

Test Logs

FCC ID: 2ASK5AIOID5GSC03

Test Model: Nokia AIO SC Indoor 5G n48

Received Date: Dec. 31, 2024

Test Date: Aug. 18, 2025 ~ Jan. 16, 2026

Issued Date: Jan. 20, 2026

Applicant: Nokia

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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1 CBSD Registration Process

1.1 WINNF.FT.D.REG.2

2026-01-08T07:57:20.688Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T07:57:20.688Z - INFO - the selected test from the user : WINNF.FT.D.REG.2 is starting now

2026-01-08T08:04:34.140Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T08:04:34.184Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T08:04:36.101Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      }
    ]
  }
]
```

```

    "highFrequency": 3670000000,
    "lowFrequency": 3660000000
  },
  "measReport": {
    "rcvdPowerMeasReports": [
      {
        "measBandwidth": 10000000,
        "measFrequency": 3550000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3560000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3570000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3580000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3590000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3600000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3610000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3620000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,

```

```

        "measFrequency": 3650000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
]
}
]
}
]
}
2026-01-08T08:04:36.101Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3555000000,
            "lowFrequency": 3550000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ],
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-08T08:04:41.118Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        }
      ]
    }
  ]
}

```

```
"highFrequency": 3650000000,
"lowFrequency": 3640000000
},
{
  "highFrequency": 3660000000,
  "lowFrequency": 3650000000
},
{
  "highFrequency": 3670000000,
  "lowFrequency": 3660000000
}
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}
]
}
]
}
2026-01-08T08:04:41.121Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3555000000,
            "lowFrequency": 3550000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ],
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
]
}
2026-01-08T08:05:16.240Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [

```

```
{
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "inquiredSpectrum": [
    {
      "highFrequency": 3640000000,
      "lowFrequency": 3630000000
    },
    {
      "highFrequency": 3650000000,
      "lowFrequency": 3640000000
    },
    {
      "highFrequency": 3660000000,
      "lowFrequency": 3650000000
    },
    {
      "highFrequency": 3670000000,
      "lowFrequency": 3660000000
    }
  ],
  "measReport": {
    "rcvdPowerMeasReports": [
      {
        "measBandwidth": 10000000,
        "measFrequency": 3550000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3560000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3570000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3580000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3590000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3600000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3610000000,
        "measRcvdPower": -99
      }
    ]
  }
}
```



```

    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
}

```

```
2026-01-08T08:05:16.240Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3555000000,
            "lowFrequency": 3550000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ],
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",

```

```

        "response": {
            "responseCode": 0
        }
    ]
}
2026-01-08T08:05:21.260Z - INFO - spectrumInquiry request from CBRS : {
    "spectrumInquiryRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "inquiredSpectrum": [
                {
                    "highFrequency": 3640000000,
                    "lowFrequency": 3630000000
                },
                {
                    "highFrequency": 3650000000,
                    "lowFrequency": 3640000000
                },
                {
                    "highFrequency": 3660000000,
                    "lowFrequency": 3650000000
                },
                {
                    "highFrequency": 3670000000,
                    "lowFrequency": 3660000000
                }
            ],
            "measReport": {
                "rcvdPowerMeasReports": [
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3550000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3560000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3570000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3580000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3590000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3600000000,

```

```

        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3610000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3620000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  }
}

2026-01-08T08:05:21.260Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",

```

```

        "frequencyRange": {
            "highFrequency": 3555000000,
            "lowFrequency": 3550000000
        },
        "ruleApplied": "FCC_PART_96"
    }
},
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
    "responseCode": 0
}
}
]
}
2026-01-08T08:05:29.234Z - INFO - registration request from CBRS : {
    "registrationRequest": [
        {
            "airInterface": {
                "radioTechnology": "NR"
            },
            "cbstdCategory": "A",
            "cbstdInfo": {
                "model": "INDOOR",
                "softwareVersion": "IndoorV1",
                "vendor": "Kolibri-Indoor"
            },
            "cbstdSerialNumber": "LBNKIASRC230172208.NR",
            "fccId": "2ASK5AIOID5GSC03",
            "measCapability": [
                "RECEIVED_POWER_WITHOUT_GRANT"
            ],
            "userId": "nokia"
        }
    ]
}
2026-01-08T08:05:29.262Z - INFO - engine sent successfully, the response to CBRS : {
    "registrationResponse": [
        {
            "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "response": {
                "responseCode": 0
            }
        }
    ]
}
2026-01-08T08:05:30.901Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-08T08:05:30.903Z - INFO - the question is : Were there RF transmissions from the CBSD1 during
the test? please choose one of the answers :
2026-01-08T08:15:27.969Z - INFO - for the question : Were there RF transmissions from the CBSD1 during
the test? , the user choose n
2026-01-08T08:15:27.970Z - INFO - the question is : Were there RF transmissions from the CBSD2 during
the test? please choose one of the answers :
2026-01-08T08:15:34.279Z - INFO - for the question : Were there RF transmissions from the CBSD2 during
the test? , the user choose n
2026-01-08T08:15:35.046Z - INFO - The final result of the test : WINNF.FT.D.REG.2 is - passed

```

1.2 WINNF.FT.C.REG.9

2026-01-08T08:27:03.194Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T08:27:03.194Z - INFO - the selected test from the user : WINNF.FT.D.REG.9 is starting now

2026-01-08T08:32:39.697Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T08:32:39.736Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "response": {
      "responseCode": 102
    }
  }
]
```

2026-01-08T08:32:49.655Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T08:32:49.674Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [  
  {  
    "response": {  
      "responseCode": 102  
    }  
  }  
]
```

2026-01-08T08:32:51.348Z - INFO - arrived to nstep starting question answer session with the technician

2026-01-08T08:32:51.348Z - INFO - the question is : Were there RF transmissions from the CBSD1 during the test? please choose one of the answers :

2026-01-08T08:36:56.711Z - INFO - for the question : Were there RF transmissions from the CBSD1 during the test? , the user choose n

2026-01-08T08:36:56.713Z - INFO - the question is : Were there RF transmissions from the CBSD2 during the test? please choose one of the answers :

2026-01-08T08:36:58.055Z - INFO - for the question : Were there RF transmissions from the CBSD2 during the test? , the user choose n

2026-01-08T08:36:58.493Z - INFO - The final result of the test : WINNF.FT.D.REG.9 is - passed

1.3 WINNF.FT.C.REG.11

2026-01-08T08:39:21.040Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T08:39:21.042Z - INFO - the selected test from the user : WINNF.FT.D.REG.11 is starting now

2026-01-08T08:45:42.283Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T08:45:42.302Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "response": {
      "responseCode": 200
    }
  }
]
```

2026-01-08T08:46:02.267Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T08:46:02.288Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [  
  {  
    "response": {  
      "responseCode": 200  
    }  
  }  
]
```

```
}  
2026-01-08T08:46:04.213Z - INFO - arrived to nstep starting question answer session with the technician  
2026-01-08T08:46:04.213Z - INFO - the question is : Were there RF transmissions from the CBSD2 during  
the test? please choose one of the answers :  
2026-01-08T08:50:31.934Z - INFO - for the question : Were there RF transmissions from the CBSD2 during  
the test? , the user choose n  
2026-01-08T08:50:31.934Z - INFO - the question is : Were there RF transmissions from the CBSD1 during  
the test? please choose one of the answers :  
2026-01-08T08:50:33.904Z - INFO - for the question : Were there RF transmissions from the CBSD1 during  
the test? , the user choose n  
2026-01-08T08:50:34.334Z - INFO - The final result of the test : WINNF.FT.D.REG.11 is - passed
```


1.4 WINNF.FT.C.REG.13

2026-01-08T08:52:01.153Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T08:52:01.153Z - INFO - the selected test from the user : WINNF.FT.D.REG.13 is starting now

2026-01-08T08:58:59.911Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T08:58:59.947Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T08:59:02.259Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

        {
            "measBandwidth": 10000000,
            "measFrequency": 3660000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3670000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3680000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3690000000,
            "measRcvdPower": -99
        }
    ]
}

2026-01-08T08:59:02.260Z - INFO - engine sent successfully, the response to CBRS : {
    "spectrumInquiryResponse": [
        {
            "availableChannel": [
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3555000000,
                        "lowFrequency": 3550000000
                    },
                    "ruleApplied": "FCC_PART_96"
                }
            ],
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "response": {
                "responseCode": 0
            }
        }
    ]
}

2026-01-08T08:59:04.861Z - INFO - registration request from CBRS : {
    "registrationRequest": [
        {
            "airInterface": {
                "radioTechnology": "NR"
            },
            "cbsdCategory": "A",
            "cbsdInfo": {
                "model": "INDOOR",
                "softwareVersion": "IndoorV1",
                "vendor": "Kolibri-Indoor"
            },
            "cbsdSerialNumber": "LBNKIASRC230172208.NR",

```

```

    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
}
2026-01-08T08:59:04.880Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "response": {
        "responseCode": 103
      }
    }
  ]
}
2026-01-08T08:59:06.336Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-08T08:59:06.338Z - INFO - the question is : Were there RF transmissions from the CBSD1 during
the test? please choose one of the answers :
2026-01-08T09:04:04.648Z - INFO - for the question : Were there RF transmissions from the CBSD1 during
the test? , the user choose n
2026-01-08T09:04:04.648Z - INFO - the question is : Were there RF transmissions from the CBSD2 during
the test? please choose one of the answers :
2026-01-08T09:04:05.648Z - INFO - for the question : Were there RF transmissions from the CBSD2 during
the test? , the user choose n
2026-01-08T09:04:06.237Z - INFO - The final result of the test : WINNF.FT.D.REG.13 is - passed

```

1.5 WINNF.FT.C.REG.15

2026-01-08T09:10:23.453Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T09:10:23.453Z - INFO - the selected test from the user : WINNF.FT.D.REG.15 is starting now

2026-01-08T09:11:02.068Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T09:11:02.101Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "response": {
      "responseCode": 101
    }
  }
]
```

2026-01-08T09:11:37.164Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T09:11:37.165Z - INFO - engine sent successfully, the response to CBRS : {

```

    "registrationResponse": [
      {
        "response": {
          "responseCode": 200
        }
      }
    ]
  }
}
2026-01-08T09:12:42.346Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230172208.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}
2026-01-08T09:12:42.346Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "response": {
        "responseCode": 200
      }
    }
  ]
}
2026-01-08T09:14:17.670Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230172208.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}

```

```

}
2026-01-08T09:14:17.671Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "response": {
        "responseCode": 200
      }
    }
  ]
}
2026-01-08T09:16:18.035Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230172208.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}
2026-01-08T09:16:18.035Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "response": {
        "responseCode": 200
      }
    }
  ]
}
2026-01-08T09:16:58.145Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230170825.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}

```

```
    }  
  ]  
}  
2026-01-08T09:16:58.171Z - INFO - engine sent successfully, the response to CBRS : {  
  "registrationResponse": [  
    {  
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
      "response": {  
        "responseCode": 0  
      }  
    }  
  ]  
}
```

2026-01-08T09:16:59.631Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-08T09:16:59.631Z - INFO - the question is : Were there RF transmissions from the CBSD2 during the test? please choose one of the answers :
2026-01-08T09:21:46.503Z - INFO - for the question : Were there RF transmissions from the CBSD2 during the test? , the user choose n
2026-01-08T09:21:46.509Z - INFO - the question is : Were there RF transmissions from the CBSD1 during the test? please choose one of the answers :
2026-01-08T09:21:48.105Z - INFO - for the question : Were there RF transmissions from the CBSD1 during the test? , the user choose n
2026-01-08T09:21:49.016Z - INFO - The final result of the test : WINNF.FT.D.REG.15 is - passed

1.6 WINNF.FT.C.REG.17

2026-01-08T09:38:52.858Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T09:38:52.858Z - INFO - the selected test from the user : WINNF.FT.D.REG.17 is starting now

2026-01-08T09:39:37.566Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T09:39:37.609Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "response": {
      "responseCode": 100
    }
  }
]
```

2026-01-08T09:40:12.641Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T09:40:12.641Z - INFO - engine sent successfully, the response to CBRS : {

```

    "registrationResponse": [
      {
        "response": {
          "responseCode": 200
        }
      }
    ]
  }
}
2026-01-08T09:41:17.881Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230172208.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}
2026-01-08T09:41:17.881Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "response": {
        "responseCode": 200
      }
    }
  ]
}
2026-01-08T09:42:53.160Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230172208.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}

```

```

}
2026-01-08T09:42:53.160Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "response": {
        "responseCode": 200
      }
    }
  ]
}
2026-01-08T09:44:53.562Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230172208.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}
2026-01-08T09:44:53.562Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "response": {
        "responseCode": 200
      }
    }
  ]
}
2026-01-08T09:46:18.835Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230170825.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}

```

```
    }  
  ]  
}  
2026-01-08T09:46:18.854Z - INFO - engine sent successfully, the response to CBRS : {  
  "registrationResponse": [  
    {  
      "response": {  
        "responseCode": 100  
      }  
    }  
  ]  
}  
2026-01-08T09:46:20.052Z - INFO - arrived to nstep starting question answer session with the technician  
2026-01-08T09:46:20.052Z - INFO - the question is : Were there RF transmissions from the CBSD2 during  
the test? please choose one of the answers :  
2026-01-08T09:52:37.211Z - INFO - for the question : Were there RF transmissions from the CBSD2 during  
the test? , the user choose n  
2026-01-08T09:52:37.216Z - INFO - the question is : Were there RF transmissions from the CBSD1 during  
the test? please choose one of the answers :  
2026-01-08T09:52:37.974Z - INFO - for the question : Were there RF transmissions from the CBSD1 during  
the test? , the user choose n  
2026-01-08T09:52:38.303Z - INFO - The final result of the test : WINNF.FT.D.REG.17 is - passed
```

1.7 WINNF.FT.C.REG.19

2026-01-08T09:57:09.357Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T09:57:09.358Z - INFO - the selected test from the user : WINNF.FT.D.REG.19 is starting now

2026-01-08T10:02:07.049Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T10:02:07.085Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T10:02:09.895Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

        {
            "measBandwidth": 10000000,
            "measFrequency": 3660000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3670000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3680000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3690000000,
            "measRcvdPower": -99
        }
    ]
}

2026-01-08T10:02:09.897Z - INFO - engine sent successfully, the response to CBRS : {
    "spectrumInquiryResponse": [
        {
            "availableChannel": [
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3555000000,
                        "lowFrequency": 3550000000
                    },
                    "ruleApplied": "FCC_PART_96"
                }
            ],
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "response": {
                "responseCode": 0
            }
        }
    ]
}

2026-01-08T10:02:11.973Z - INFO - registration request from CBRS : {
    "registrationRequest": [
        {
            "airInterface": {
                "radioTechnology": "NR"
            },
            "cbsdCategory": "A",
            "cbsdInfo": {
                "model": "INDOOR",
                "softwareVersion": "IndoorV1",
                "vendor": "Kolibri-Indoor"
            },
            "cbsdSerialNumber": "LBNKIASRC230172208.NR",

```

```

    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
}
2026-01-08T10:02:11.993Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "response": {
        "responseCode": 201
      }
    }
  ]
}
2026-01-08T10:02:13.480Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-08T10:02:13.480Z - INFO - the question is : Were there RF transmissions from the CBSD1 during
the test? please choose one of the answers :
2026-01-08T10:20:05.309Z - INFO - for the question : Were there RF transmissions from the CBSD1 during
the test? , the user choose n
2026-01-08T10:20:05.311Z - INFO - the question is : Were there RF transmissions from the CBSD2 during
the test? please choose one of the answers :
2026-01-08T10:20:06.221Z - INFO - for the question : Were there RF transmissions from the CBSD2 during
the test? , the user choose n
2026-01-08T10:20:06.553Z - INFO - The final result of the test : WINNF.FT.D.REG.19 is - passed

```


2 CBSD Spectrum Grant Process

2.1 WINNF.FT.C.GRA.1

2026-01-08T11:21:16.131Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T11:21:16.131Z - INFO - the selected test from the user : WINNF.FT.C.GRA.1 is starting now

2026-01-08T11:28:18.223Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T11:28:18.273Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T11:28:21.691Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      }
    ]
  }
]
```

```
        "highFrequency": 3670000000,  
        "lowFrequency": 3660000000  
    },  
    ],  
    "measReport": {  
        "rcvdPowerMeasReports": [  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3550000000,  
                "measRcvdPower": -99  
            },  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3560000000,  
                "measRcvdPower": -99  
            },  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3570000000,  
                "measRcvdPower": -99  
            },  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3580000000,  
                "measRcvdPower": -99  
            },  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3590000000,  
                "measRcvdPower": -99  
            },  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3600000000,  
                "measRcvdPower": -99  
            },  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3610000000,  
                "measRcvdPower": -99  
            },  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3620000000,  
                "measRcvdPower": -99  
            },  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3630000000,  
                "measRcvdPower": -99  
            },  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3640000000,  
                "measRcvdPower": -99  
            },  
            {  
                "measBandwidth": 10000000,  
                "measFrequency": 3650000000,  
                "measRcvdPower": -99  
            }  
        ]  
    }  
}
```

```

        "measFrequency": 3650000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
]
}
]
}
]
}
}
2026-01-08T11:28:21.700Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

    "frequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3660000000
    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-08T11:28:23.967Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,

```

```

        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  },
  "operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3630000000
    }
  }
}
]
}
2026-01-08T11:28:23.976Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "response": {
        "responseCode": 400
      }
    }
  ]
}

```

}

2026-01-08T11:28:25.323Z - INFO - arrived to nstep starting question answer session with the technician

2026-01-08T11:28:25.325Z - INFO - the question is : Were there RF transmissions from the CBSD1 during the test? please choose one of the answers :

2026-01-08T11:30:29.591Z - INFO - for the question : Were there RF transmissions from the CBSD1 during the test? , the user choose n

2026-01-08T11:30:30.132Z - INFO - The final result of the test : WINNF.FT.C.GRA.1 is - passed

2.2 WINNF.FT.C.GRA.2

2026-01-08T11:32:11.369Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T11:32:11.369Z - INFO - the selected test from the user : WINNF.FT.C.GRA.2 is starting now

2026-01-08T11:39:10.339Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T11:39:10.375Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T11:39:13.881Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```



```

        {
            "measBandwidth": 10000000,
            "measFrequency": 3660000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3670000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3680000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3690000000,
            "measRcvdPower": -99
        }
    ]
}

2026-01-08T11:39:13.890Z - INFO - engine sent successfully, the response to CBRS : {
    "spectrumInquiryResponse": [
        {
            "availableChannel": [
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3640000000,
                        "lowFrequency": 3630000000
                    },
                    "ruleApplied": "FCC_PART_96"
                },
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3650000000,
                        "lowFrequency": 3640000000
                    },
                    "ruleApplied": "FCC_PART_96"
                },
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3660000000,
                        "lowFrequency": 3650000000
                    },
                    "ruleApplied": "FCC_PART_96"
                },
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3670000000,
                        "lowFrequency": 3660000000
                    },
                    "ruleApplied": "FCC_PART_96"
                }
            ]
        }
    ]
}

```

```

    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-08T11:39:16.203Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```

```

        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
]
},
"operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3630000000
    }
}
}
]
}
2026-01-08T11:39:16.211Z - INFO - engine sent successfully, the response to CBRS : {
    "grantResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "response": {
                "responseCode": 401
            }
        }
    ]
}
2026-01-08T11:39:17.565Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-08T11:39:17.565Z - INFO - the question is : Were there RF transmissions from the CBSD1 during

```

the test? please choose one of the answers :

2026-01-08T11:40:58.798Z - INFO - for the question : Were there RF transmissions from the CBSD1 during the test? , the user choose n

2026-01-08T11:40:59.355Z - INFO - The final result of the test : WINNF.FT.C.GRA.2 is - passed

3 CBSD Heart Beat Process

3.1 WINNF.FT.D.HBT.2

2026-01-08T10:43:44.819Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T10:43:44.822Z - INFO - the selected test from the user : WINNF.FT.D.HBT.2 is starting now

2026-01-08T10:51:11.098Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  },
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T10:51:11.253Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  },
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

```

    ]
  }
2026-01-08T10:51:14.382Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ],
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,

```

```

        "measFrequency": 3610000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3620000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  }
},
{
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "inquiredSpectrum": [
    {
      "highFrequency": 3640000000,
      "lowFrequency": 3630000000
    },
    {
      "highFrequency": 3650000000,
      "lowFrequency": 3640000000
    }
  ]
}

```

```
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ],
    "measReport": {
      "rcvdPowerMeasReports": [
        {
          "measBandwidth": 10000000,
          "measFrequency": 3550000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3560000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3570000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3580000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3590000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3600000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3610000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3620000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3630000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3640000000,
```



```

        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  }
}
2026-01-08T10:51:14.401Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

    "ruleApplied": "FCC_PART_96"
  },
  {
    "channelType": "GAA",
    "frequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3660000000
    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
"response": {
  "responseCode": 0
}
},
{
  "availableChannel": [
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      "ruleApplied": "FCC_PART_96"
    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      "ruleApplied": "FCC_PART_96"
    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      "ruleApplied": "FCC_PART_96"
    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      },
      "ruleApplied": "FCC_PART_96"
    }
  ],
  "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "response": {
    "responseCode": 0
  }
}
]
}

```

```
2026-01-08T10:51:16.783Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3630000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3640000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
```

```

        "measFrequency": 3650000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  },
  "operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3630000000
    }
  }
},
{
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "measReport": {
    "rcvdPowerMeasReports": [
      {
        "measBandwidth": 10000000,
        "measFrequency": 3550000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3560000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3570000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3580000000,
        "measRcvdPower": -99
      }
    ]
  }
}

```

```
        "measBandwidth": 10000000,  
        "measFrequency": 3590000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3600000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3610000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3620000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3630000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3640000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3650000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3660000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3670000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3680000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3690000000,  
        "measRcvdPower": -99  
    }  
]  
,  
"operationParam": {  
    "maxEirp": 20.0,
```

```

        "operationFrequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3630000000
        }
    }
}
]
}
2026-01-08T10:51:16.798Z - INFO - engine sent successfully, the response to CBRS : {
    "grantResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-15T10:51:16Z",
            "grantId": "283789022",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        },
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-15T10:51:16Z",
            "grantId": "159949926",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        }
    ]
}
2026-01-08T10:51:17.470Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "283789022",
            "grantRenew": false,
            "operationState": "GRANTED"
        },
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "159949926",
            "grantRenew": false,
            "operationState": "GRANTED"
        }
    ]
}
2026-01-08T10:51:17.480Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "283789022",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-08T10:54:37Z"
        },
    ],
}

```

```

    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "159949926",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T10:54:37Z"
    }
  ]
}
2026-01-08T10:51:48.595Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "159949926",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "283789022",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T10:51:48.598Z - INFO - Time interval between two heartbeat request messages is: 31.125, limit is: 65.0
2026-01-08T10:51:48.605Z - INFO - Time interval between two heartbeat request messages is: 31.125, limit is: 65.0
2026-01-08T10:51:48.609Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "159949926",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T10:55:08Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "283789022",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T10:55:08Z"
    }
  ]
}
2026-01-08T10:52:19.734Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "283789022",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
  ],
}

```

```

    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "159949926",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T10:52:19.736Z - INFO - Time interval between two heartbeat request messages is: 31.139, limit
is: 65.0
2026-01-08T10:52:19.743Z - INFO - Time interval between two heartbeat request messages is: 31.139, limit
is: 65.0
2026-01-08T10:52:19.747Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "283789022",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T10:55:39Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "159949926",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T10:55:39Z"
    }
  ]
}
2026-01-08T10:52:50.871Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "159949926",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "283789022",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T10:52:50.872Z - INFO - Time interval between two heartbeat request messages is: 31.136, limit
is: 65.0
2026-01-08T10:52:50.878Z - INFO - Time interval between two heartbeat request messages is: 31.136, limit
is: 65.0
2026-01-08T10:52:50.887Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "159949926",
      "response": {

```



```

        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T10:56:10Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "283789022",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T10:56:10Z"
    }
  ]
}
2026-01-08T10:53:22.000Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "283789022",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "159949926",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T10:53:22.000Z - INFO - Time interval between two heartbeat request messages is: 31.129, limit
is: 65.0
2026-01-08T10:53:22.006Z - INFO - Time interval between two heartbeat request messages is: 31.129, limit
is: 65.0
2026-01-08T10:53:22.010Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "283789022",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T10:56:42Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "159949926",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T10:56:42Z"
    }
  ]
}
2026-01-08T10:53:53.131Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",

```

```

        "grantId": "283789022",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
    },
    {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "159949926",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
    }
]
}
2026-01-08T10:53:53.134Z - INFO - Time interval between two heartbeat request messages is: 31.132, limit is: 65.0
2026-01-08T10:53:53.140Z - INFO - Time interval between two heartbeat request messages is: 31.132, limit is: 65.0
2026-01-08T10:53:53.145Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "283789022",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-08T10:57:13Z"
        },
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "159949926",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-08T10:57:13Z"
        }
    ]
}
2026-01-08T10:53:55.081Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-08T10:53:55.082Z - INFO - the question is : Did CBSD1 transmit power prior to AUTHORIZED state (first successful HBT response)? please choose one of the answers :
2026-01-08T11:03:25.331Z - INFO - for the question : Did CBSD1 transmit power prior to AUTHORIZED state (first successful HBT response)? , the user choose n
2026-01-08T11:03:25.332Z - INFO - the question is : Did CBSD1 transmit only within the frequency range specified in its grantRequest message? please choose one of the answers :
2026-01-08T11:03:27.940Z - INFO - for the question : Did CBSD1 transmit only within the frequency range specified in its grantRequest message? , the user choose y
2026-01-08T11:03:27.940Z - INFO - the question is : Did CBSD2 transmit power prior to AUTHORIZED state (first successful HBT response)? please choose one of the answers :
2026-01-08T11:03:31.045Z - INFO - for the question : Did CBSD2 transmit power prior to AUTHORIZED state (first successful HBT response)? , the user choose n
2026-01-08T11:03:31.046Z - INFO - the question is : Did CBSD2 transmit only within the frequency range specified in its grantRequest message? please choose one of the answers :
2026-01-08T11:03:32.799Z - INFO - for the question : Did CBSD2 transmit only within the frequency range specified in its grantRequest message? , the user choose y
2026-01-08T11:03:33.380Z - INFO - The final result of the test : WINNF.FT.D.HBT.2 is - passed

```

3.2 WINNF.FT.C.HBT.3

2026-01-08T11:43:15.336Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T11:43:15.336Z - INFO - the selected test from the user : WINNF.FT.C.HBT.3 is starting now

2026-01-08T11:50:52.707Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T11:50:52.759Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T11:50:56.217Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

        {
            "measBandwidth": 10000000,
            "measFrequency": 3660000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3670000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3680000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3690000000,
            "measRcvdPower": -99
        }
    ]
}

2026-01-08T11:50:56.226Z - INFO - engine sent successfully, the response to CBRS : {
    "spectrumInquiryResponse": [
        {
            "availableChannel": [
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3640000000,
                        "lowFrequency": 3630000000
                    },
                    "ruleApplied": "FCC_PART_96"
                },
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3650000000,
                        "lowFrequency": 3640000000
                    },
                    "ruleApplied": "FCC_PART_96"
                },
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3660000000,
                        "lowFrequency": 3650000000
                    },
                    "ruleApplied": "FCC_PART_96"
                },
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3670000000,
                        "lowFrequency": 3660000000
                    },
                    "ruleApplied": "FCC_PART_96"
                }
            ]
        }
    ]
}

```

```

    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-08T11:50:58.539Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```

```

    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
}

```

```

    ],
    "operationParam": {
      "maxEirp": 20.0,
      "operationFrequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3630000000
      }
    }
  }
}

2026-01-08T11:50:58.546Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-15T11:50:58Z",
      "grantId": "955639197",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}

```

```

    ]
  }
2026-01-08T11:50:59.167Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "955639197",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T11:50:59.173Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "955639197",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T11:54:19Z"
    }
  ]
}
2026-01-08T11:51:30.283Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "955639197",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T11:51:30.285Z - INFO - Time interval between two heartbeat request messages is: 31.117, limit
is: 65.0
2026-01-08T11:51:30.289Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "955639197",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T11:54:50Z"
    }
  ]
}
2026-01-08T11:52:01.411Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "955639197",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

```



```
2026-01-08T11:52:01.414Z - INFO - Time interval between two heartbeat request messages is: 31.128, limit is: 65.0
2026-01-08T11:52:01.418Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "955639197",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T11:55:21Z"
    }
  ]
}
2026-01-08T11:52:32.552Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "955639197",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T11:52:32.552Z - INFO - Time interval between two heartbeat request messages is: 31.14, limit is: 65.0
2026-01-08T11:52:32.559Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "955639197",
      "response": {
        "responseCode": 105
      },
      "transmitExpireTime": "2026-01-08T11:52:32Z"
    }
  ]
}
2026-01-08T11:52:33.578Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-08T11:52:33.579Z - INFO - the question is : Did the CBSD stop RF transmission within 60 seconds of receiving Heartbeat response with responseCode = 105? please choose one of the answers :
2026-01-08T11:56:25.997Z - INFO - for the question : Did the CBSD stop RF transmission within 60 seconds of receiving Heartbeat response with responseCode = 105? , the user choose y
2026-01-08T11:56:26.230Z - INFO - The final result of the test : WINNF.FT.C.HBT.3 is - passed
```

3.3 WINNF.FT.C.HBT.5

2026-01-08T11:58:13.493Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T11:58:13.494Z - INFO - the selected test from the user : WINNF.FT.C.HBT.5 is starting now

2026-01-08T12:07:05.930Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T12:07:05.979Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T12:07:09.372Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}

2026-01-08T12:07:09.381Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-08T12:07:11.697Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```

```

        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
]
},
"operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3630000000
    }
}
}
]
}
}
2026-01-08T12:07:11.703Z - INFO - engine sent successfully, the response to CBRS : {
    "grantResponse": [
        {
            "cbsdlId": "2ASK5AIOID5GSC03Mock-SASLBKNIASRC230170825.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-15T12:07:11Z",
            "grantId": "33924738",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        }
    ]
}

```

```

    ]
  }
  2026-01-08T12:07:12.433Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "33924738",
        "grantRenew": false,
        "operationState": "GRANTED"
      }
    ]
  }
  2026-01-08T12:07:12.438Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "33924738",
        "response": {
          "responseCode": 501
        },
        "transmitExpireTime": "2026-01-08T12:07:12Z"
      }
    ]
  }
  2026-01-08T12:07:14.380Z - INFO - spectrumInquiry request from CBRS : {
    "spectrumInquiryRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "inquiredSpectrum": [
          {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          }
        ],
        "measReport": {
          "rcvdPowerMeasReports": [
            {
              "measBandwidth": 10000000,
              "measFrequency": 3550000000,
              "measRcvdPower": -99
            },
            {
              "measBandwidth": 10000000,
              "measFrequency": 3560000000,
              "measRcvdPower": -99
            }
          ]
        }
      }
    ]
  }

```

```
{
  "measBandwidth": 10000000,
  "measFrequency": 3570000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3580000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3590000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3600000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3610000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3620000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3630000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3640000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3650000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3660000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3670000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3680000000,
```



```

        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  }
}

2026-01-08T12:07:14.394Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ],
      "cbsId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}

2026-01-08T12:07:43.542Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [

```

```
{
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "grantId": "33924738",
  "grantRenew": false,
  "operationState": "GRANTED"
}
]
```

2026-01-08T12:07:43.545Z - INFO - Time interval between two heartbeat request messages is: 31.11, limit is: 65.0

2026-01-08T12:07:43.551Z - INFO - engine sent successfully, the response to CBRS : {

```
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "33924738",
      "response": {
        "responseCode": 501
      },
      "transmitExpireTime": "2026-01-08T12:07:43Z"
    }
  ]
}
```

2026-01-08T12:07:44.739Z - INFO - arrived to nstep starting question answer session with the technician

2026-01-08T12:07:44.740Z - INFO - the question is : Did the CBSD transmit at any time during the test?
please choose one of the answers :

2026-01-08T12:10:44.030Z - INFO - for the question : Did the CBSD transmit at any time during the test? , the user choose n

2026-01-08T12:10:44.334Z - INFO - The final result of the test : WINNF.FT.C.HBT.5 is - passed

3.4 WINNF.FT.C.HBT.6

2026-01-08T12:12:23.538Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T12:12:23.539Z - INFO - the selected test from the user : WINNF.FT.C.HBT.6 is starting now

2026-01-08T12:19:48.490Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T12:19:48.546Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T12:19:51.905Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}

2026-01-08T12:19:51.914Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-08T12:19:54.227Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```

```
2026-01-08T12:19:54.236Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-15T12:19:54Z",
      "grantId": "853310501",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}
```

```

    ]
  }
  2026-01-08T12:19:55.414Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "853310501",
        "grantRenew": false,
        "operationState": "GRANTED"
      }
    ]
  }
  2026-01-08T12:19:55.420Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "853310501",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-08T12:23:15Z"
      }
    ]
  }
  2026-01-08T12:20:26.582Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "853310501",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
  2026-01-08T12:20:26.584Z - INFO - Time interval between two heartbeat request messages is: 31.169, limit
  is: 65.0
  2026-01-08T12:20:26.589Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "853310501",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-08T12:23:46Z"
      }
    ]
  }
  2026-01-08T12:20:58.721Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "853310501",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }

```


2026-01-08T12:20:58.723Z - INFO - Time interval between two heartbeat request messages is: 32.139, limit is: 65.0

2026-01-08T12:20:58.729Z - INFO - engine sent successfully, the response to CBRS : {

```
"heartbeatResponse": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "853310501",  
    "response": {  
      "responseCode": 0  
    },  
    "transmitExpireTime": "2026-01-08T12:24:18Z"  
  }  
]
```

}
2026-01-08T12:21:29.846Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "853310501",  
    "grantRenew": false,  
    "operationState": "AUTHORIZED"  
  }  
]
```

}
2026-01-08T12:21:29.848Z - INFO - Time interval between two heartbeat request messages is: 31.125, limit is: 65.0

2026-01-08T12:21:29.854Z - INFO - engine sent successfully, the response to CBRS : {

```
"heartbeatResponse": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "853310501",  
    "response": {  
      "responseCode": 501  
    },  
    "transmitExpireTime": "2026-01-08T12:21:29Z"  
  }  
]
```

}
2026-01-08T12:21:32.266Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "inquiredSpectrum": [  
      {  
        "highFrequency": 3640000000,  
        "lowFrequency": 3630000000  
      },  
      {  
        "highFrequency": 3650000000,  
        "lowFrequency": 3640000000  
      },  
      {  
        "highFrequency": 3660000000,  
        "lowFrequency": 3650000000  
      },  
      {  
        "highFrequency": 3670000000,  
        "lowFrequency": 3660000000  
      }  
    ]  
  }  
]
```

```
    }
  ],
  "measReport": {
    "rcvdPowerMeasReports": [
      {
        "measBandwidth": 10000000,
        "measFrequency": 3550000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3560000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3570000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3580000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3590000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3600000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3610000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3620000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
      }
    ]
  }
}
```

```

    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}
]
}
]
}
}
2026-01-08T12:21:32.276Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,

```

```

        "lowFrequency": 3660000000
      },
      "ruleApplied": "FCC_PART_96"
    }
  ],
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "response": {
    "responseCode": 0
  }
}
]
}
2026-01-08T12:22:00.967Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "853310501",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:22:00.969Z - INFO - Time interval between two heartbeat request messages is: 31.121, limit
is: 65.0
2026-01-08T12:22:00.976Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "853310501",
      "response": {
        "responseCode": 501
      },
      "transmitExpireTime": "2026-01-08T12:22:00Z"
    }
  ]
}
2026-01-08T12:22:02.789Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-08T12:22:02.789Z - INFO - the question is : Did the CBSD stop RF transmission within 60 seconds
of receiving Heartbeat response with responseCode = 501? please choose one of the answers :
2026-01-08T12:25:36.290Z - INFO - for the question : Did the CBSD stop RF transmission within 60 seconds
of receiving Heartbeat response with responseCode = 501? , the user choose y
2026-01-08T12:25:36.898Z - INFO - The final result of the test : WINNF.FT.C.HBT.6 is - passed

```

3.5 WINNF.FT.C.HBT.7

2026-01-08T12:27:31.917Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T12:27:31.918Z - INFO - the selected test from the user : WINNF.FT.C.HBT.7 is starting now

2026-01-08T12:33:41.207Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T12:33:41.262Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T12:33:44.782Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}

2026-01-08T12:33:44.790Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-08T12:33:46.957Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```



```

        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
]
},
"operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3630000000
    }
}
}
]
}
}
2026-01-08T12:33:46.963Z - INFO - engine sent successfully, the response to CBRS : {
    "grantResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-15T12:33:46Z",
            "grantId": "777955313",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        }
    ]
}

```

```

    ]
  }
2026-01-08T12:33:48.290Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "777955313",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:33:48.296Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "777955313",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T12:37:08Z"
    }
  ]
}
2026-01-08T12:34:19.401Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "777955313",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T12:34:19.403Z - INFO - Time interval between two heartbeat request messages is: 31.111, limit
is: 65.0
2026-01-08T12:34:19.408Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "777955313",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T12:37:39Z"
    }
  ]
}
2026-01-08T12:34:50.532Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "777955313",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

```

```

2026-01-08T12:34:50.532Z - INFO - Time interval between two heartbeat request messages is: 31.13, limit is:
65.0
2026-01-08T12:34:50.539Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "777955313",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T12:38:10Z"
    }
  ]
}
2026-01-08T12:35:21.657Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "777955313",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T12:35:21.657Z - INFO - Time interval between two heartbeat request messages is: 31.125, limit
is: 65.0
2026-01-08T12:35:21.663Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "777955313",
      "response": {
        "responseCode": 502
      },
      "transmitExpireTime": "2026-01-08T12:35:21Z"
    }
  ]
}
2026-01-08T12:35:27.151Z - INFO - relinquishment request from CBRS : {
  "relinquishmentRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "777955313"
    }
  ]
}
2026-01-08T12:35:27.174Z - INFO - engine sent successfully, the response to CBRS : {
  "relinquishmentResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "777955313",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-08T12:35:29.131Z - INFO - arrived to nstep starting question answer session with the technician

```

2026-01-08T12:35:29.131Z - INFO - the question is : Did the CBSD stop RF transmission within 60 seconds of receiving Heartbeat response with responseCode = 502? please choose one of the answers :
2026-01-08T12:37:43.193Z - INFO - for the question : Did the CBSD stop RF transmission within 60 seconds of receiving Heartbeat response with responseCode = 502? , the user choose y
2026-01-08T12:37:43.539Z - INFO - The final result of the test : WINNF.FT.C.HBT.7 is - passed

3.6 WINNF.FT.D.HBT.8

2026-01-08T11:05:23.793Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T11:05:23.793Z - INFO - the selected test from the user : WINNF.FT.D.HBT.8 is starting now

2026-01-08T11:12:20.163Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T11:12:20.216Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T11:12:23.493Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

        {
            "measBandwidth": 10000000,
            "measFrequency": 3660000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3670000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3680000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3690000000,
            "measRcvdPower": -99
        }
    ]
}

2026-01-08T11:12:23.506Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

        },
        "ruleApplied": "FCC_PART_96"
    }
},
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
"response": {
    "responseCode": 0
}
}
]
}
2026-01-08T11:12:25.927Z - INFO - grant request from CBRS : {
    "grantRequest": [
        {
            "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "measReport": {
                "rcvdPowerMeasReports": [
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3550000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3560000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3570000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3580000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3590000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3600000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3610000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3620000000,
                        "measRcvdPower": -99
                    }
                ]
            }
        }
    ]
}

```



```

        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
]
},
"operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3630000000
    }
}
}
]
}
}
2026-01-08T11:12:25.937Z - INFO - engine sent successfully, the response to CBRS : {
    "grantResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBKNIASRC230172208.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-15T11:12:25Z",
            "grantId": "869478332",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        }
    ]
}

```

```

    ]
  }
2026-01-08T11:12:27.076Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "869478332",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T11:12:27.082Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "869478332",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T11:15:47Z"
    }
  ]
}
2026-01-08T11:12:58.187Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "869478332",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T11:12:58.188Z - INFO - Time interval between two heartbeat request messages is: 31.111, limit
is: 65.0
2026-01-08T11:12:58.194Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "869478332",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T11:16:18Z"
    }
  ]
}
2026-01-08T11:13:20.313Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",

```

```

        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230170825.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}
2026-01-08T11:13:20.339Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-08T11:13:23.664Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ]
    },
    {
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,

```

```
"measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3580000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3590000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3600000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3610000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3620000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3630000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3640000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3650000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3660000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3670000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3680000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3690000000,
  "measRcvdPower": -99
}
```

```

        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  }
}
2026-01-08T11:13:23.674Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ],
      "cbsId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-08T11:13:26.142Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbsId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {

```

```
"rcvdPowerMeasReports": [
  {
    "measBandwidth": 10000000,
    "measFrequency": 3550000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3560000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3570000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3580000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3590000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3600000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3610000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  }
]
```

```

        "measFrequency": 3660000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
]
},
"operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3630000000
    }
}
}
]
}
2026-01-08T11:13:26.151Z - INFO - engine sent successfully, the response to CBRS : {
    "grantResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-15T11:13:26Z",
            "grantId": "45882539",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        }
    ]
}
2026-01-08T11:13:27.279Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "45882539",
            "grantRenew": false,
            "operationState": "GRANTED"
        }
    ]
}
2026-01-08T11:13:27.286Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",

```

```

    "grantId": "45882539",
    "response": {
      "responseCode": 0
    },
    "transmitExpireTime": "2026-01-08T11:16:47Z"
  }
]
}
2026-01-08T11:13:29.302Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "869478332",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T11:13:29.303Z - INFO - Time interval between two heartbeat request messages is: 31.115, limit
is: 65.0
2026-01-08T11:13:29.312Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "869478332",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T11:16:49Z"
    }
  ]
}
}
2026-01-08T11:13:58.443Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "45882539",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-08T11:13:58.444Z - INFO - Time interval between two heartbeat request messages is: 31.163, limit
is: 65.0
2026-01-08T11:13:58.450Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "45882539",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T11:17:18Z"
    }
  ]
}
}
2026-01-08T11:14:00.493Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [

```



```

    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "869478332",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T11:14:00.496Z - INFO - Time interval between two heartbeat request messages is: 31.191, limit
is: 65.0
2026-01-08T11:14:00.502Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "869478332",
      "response": {
        "responseCode": 500
      },
      "transmitExpireTime": "2026-01-08T11:14:00Z"
    }
  ]
}
2026-01-08T11:14:03.825Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ]
    },
    {
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```

```
"measFrequency": 3570000000,  
"measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3580000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3590000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3600000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3610000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3620000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3630000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3640000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3650000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3660000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3670000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3680000000,  
  "measRcvdPower": -99  
},  
}
```

```

        {
            "measBandwidth": 10000000,
            "measFrequency": 3690000000,
            "measRcvdPower": -99
        }
    ]
}

2026-01-08T11:14:03.825Z - INFO - engine sent successfully, the response to CBRS : {
    "spectrumInquiryResponse": [
        {
            "availableChannel": [
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3555000000,
                        "lowFrequency": 3550000000
                    },
                    "ruleApplied": "FCC_PART_96"
                }
            ],
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "response": {
                "responseCode": 0
            }
        }
    ]
}

2026-01-08T11:14:08.848Z - INFO - spectrumInquiry request from CBRS : {
    "spectrumInquiryRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "inquiredSpectrum": [
                {
                    "highFrequency": 3640000000,
                    "lowFrequency": 3630000000
                },
                {
                    "highFrequency": 3650000000,
                    "lowFrequency": 3640000000
                },
                {
                    "highFrequency": 3660000000,
                    "lowFrequency": 3650000000
                },
                {
                    "highFrequency": 3670000000,
                    "lowFrequency": 3660000000
                }
            ],
            "measReport": {
                "rcvdPowerMeasReports": [
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3550000000,
                        "measRcvdPower": -99
                    }
                ]
            }
        }
    ]
}

```

```
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3560000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3570000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3580000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3590000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3600000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3610000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3620000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3630000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3640000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3650000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,  
      "measFrequency": 3660000000,  
      "measRcvdPower": -99  
    },  
    {  
      "measBandwidth": 10000000,
```

```

        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
    ]
}
}
2026-01-08T11:14:08.849Z - INFO - engine sent successfully, the response to CBRS : {
    "spectrumInquiryResponse": [
        {
            "availableChannel": [
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3555000000,
                        "lowFrequency": 3550000000
                    },
                    "ruleApplied": "FCC_PART_96"
                }
            ],
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "response": {
                "responseCode": 0
            }
        }
    ]
}
2026-01-08T11:14:30.595Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "45882539",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-08T11:14:30.596Z - INFO - Time interval between two heartbeat request messages is: 32.152, limit
is: 65.0
2026-01-08T11:14:30.601Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "45882539",
            "response": {
                "responseCode": 0
            }
        },
    ]
}

```

```
"transmitExpireTime": "2026-01-08T11:17:50Z"
    }
  ]
}
2026-01-08T11:14:43.976Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ],
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}
```

```

    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}

2026-01-08T11:14:43.976Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3555000000,

```

```
        "lowFrequency": 3550000000
      },
      "ruleApplied": "FCC_PART_96"
    }
  ],
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
  "response": {
    "responseCode": 0
  }
}
]
}
2026-01-08T11:14:48.996Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ],
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
```



```
        "measFrequency": 3590000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3600000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3610000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3620000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3630000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3640000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3650000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3660000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3670000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3680000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3690000000,  
        "measRcvdPower": -99  
    }  
    ]  
}  
]
```

2026-01-08T11:14:48.997Z - INFO - engine sent successfully, the response to CBRS : {

```
"spectrumInquiryResponse": [
  {
    "availableChannel": [
      {
        "channelType": "GAA",
        "frequencyRange": {
          "highFrequency": 3555000000,
          "lowFrequency": 3550000000
        },
        "ruleApplied": "FCC_PART_96"
      }
    ],
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T11:15:01.739Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "grantId": "45882539",
    "grantRenew": false,
    "operationState": "AUTHORIZED"
  }
]
```

2026-01-08T11:15:01.740Z - INFO - Time interval between two heartbeat request messages is: 31.144, limit is: 65.0

2026-01-08T11:15:01.749Z - INFO - engine sent successfully, the response to CBRS : {

```
"heartbeatResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "grantId": "45882539",
    "response": {
      "responseCode": 0
    },
    "transmitExpireTime": "2026-01-08T11:18:21Z"
  }
]
```

2026-01-08T11:15:03.049Z - INFO - arrived to nstep starting question answer session with the technician

2026-01-08T11:15:03.051Z - INFO - the question is : Did the CBSD2 stop RF transmission within 60 seconds of receiving Heartbeat response with responseCode = 500? please choose one of the answers :

2026-01-08T11:18:38.619Z - INFO - for the question : Did the CBSD2 stop RF transmission within 60 seconds of receiving Heartbeat response with responseCode = 500? , the user choose y

2026-01-08T11:18:38.624Z - INFO - the question is : Did the CBSD1 transmit power prior to AUTHORIZED state (first successful HBT response)? please choose one of the answers :

2026-01-08T11:18:43.463Z - INFO - for the question : Did the CBSD1 transmit power prior to AUTHORIZED state (first successful HBT response)? , the user choose n

2026-01-08T11:18:43.941Z - INFO - The final result of the test : WINNF.FT.D.HBT.8 is - passed

3.7 WINNF.FT.C.HBT.9

2026-01-08T12:38:31.316Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T12:38:31.316Z - INFO - the selected test from the user : WINNF.FT.C.HBT.9 is starting now

2026-01-08T12:45:38.627Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T12:45:38.673Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T12:45:42.203Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

        {
            "measBandwidth": 10000000,
            "measFrequency": 3660000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3670000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3680000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3690000000,
            "measRcvdPower": -99
        }
    ]
}

2026-01-08T12:45:42.213Z - INFO - engine sent successfully, the response to CBRS : {
    "spectrumInquiryResponse": [
        {
            "availableChannel": [
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3640000000,
                        "lowFrequency": 3630000000
                    },
                    "ruleApplied": "FCC_PART_96"
                },
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3650000000,
                        "lowFrequency": 3640000000
                    },
                    "ruleApplied": "FCC_PART_96"
                },
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3660000000,
                        "lowFrequency": 3650000000
                    },
                    "ruleApplied": "FCC_PART_96"
                },
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3670000000,
                        "lowFrequency": 3660000000
                    },
                    "ruleApplied": "FCC_PART_96"
                }
            ]
        }
    ]
}

```

```

    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-08T12:45:44.282Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```

```

        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
]
},
"operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3630000000
    }
}
}
]
}
}
2026-01-08T12:45:44.289Z - INFO - engine sent successfully, the response to CBRS : {
    "grantResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-15T12:45:44Z",
            "grantId": "190499616",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        }
    ]
}

```

```

    ]
  }
2026-01-08T12:45:44.769Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:45:51.905Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:45:51.905Z - INFO - request message received while HBT is absent, sleep 197 sec before
responding
2026-01-08T12:45:58.937Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:45:58.937Z - INFO - request message received while HBT is absent, sleep 190 sec before
responding
2026-01-08T12:46:05.966Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:46:05.967Z - INFO - request message received while HBT is absent, sleep 183 sec before
responding
2026-01-08T12:46:13.002Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
}

```


2026-01-08T12:46:13.002Z - INFO - request message received while HBT is absent, sleep 176 sec before responding

2026-01-08T12:46:20.042Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "190499616",  
    "grantRenew": false,  
    "operationState": "GRANTED"  
  }  
]
```

}
2026-01-08T12:46:20.043Z - INFO - request message received while HBT is absent, sleep 169 sec before responding

2026-01-08T12:46:27.069Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "190499616",  
    "grantRenew": false,  
    "operationState": "GRANTED"  
  }  
]
```

}
2026-01-08T12:46:27.069Z - INFO - request message received while HBT is absent, sleep 162 sec before responding

2026-01-08T12:46:34.099Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "190499616",  
    "grantRenew": false,  
    "operationState": "GRANTED"  
  }  
]
```

}
2026-01-08T12:46:34.099Z - INFO - request message received while HBT is absent, sleep 155 sec before responding

2026-01-08T12:46:41.131Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "190499616",  
    "grantRenew": false,  
    "operationState": "GRANTED"  
  }  
]
```

}
2026-01-08T12:46:41.131Z - INFO - request message received while HBT is absent, sleep 148 sec before responding

2026-01-08T12:46:48.164Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "190499616",  
    "grantRenew": false,  
    "operationState": "GRANTED"  
  }  
]
```

```
]
}
2026-01-08T12:46:48.164Z - INFO - request message received while HBT is absent, sleep 141 sec before
responding
2026-01-08T12:46:55.247Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:46:55.249Z - INFO - request message received while HBT is absent, sleep 134 sec before
responding
2026-01-08T12:47:02.288Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:47:02.289Z - INFO - request message received while HBT is absent, sleep 127 sec before
responding
2026-01-08T12:47:09.325Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:47:09.325Z - INFO - request message received while HBT is absent, sleep 120 sec before
responding
2026-01-08T12:47:52.467Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:47:52.467Z - INFO - request message received while HBT is absent, sleep 77 sec before
responding
2026-01-08T12:47:59.507Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
```

```

    "operationState": "GRANTED"
  }
]
}
2026-01-08T12:47:59.507Z - INFO - request message received while HBT is absent, sleep 70 sec before
responding
2026-01-08T12:48:06.532Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:48:06.532Z - INFO - request message received while HBT is absent, sleep 63 sec before
responding
2026-01-08T12:48:13.609Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:48:13.609Z - INFO - request message received while HBT is absent, sleep 56 sec before
responding
2026-01-08T12:48:20.634Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:48:20.634Z - INFO - request message received while HBT is absent, sleep 49 sec before
responding
2026-01-08T12:48:27.661Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "190499616",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:48:27.661Z - INFO - request message received while HBT is absent, sleep 42 sec before
responding
2026-01-08T12:48:34.690Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",

```

```

        "grantId": "190499616",
        "grantRenew": false,
        "operationState": "GRANTED"
    }
]
}
2026-01-08T12:48:34.691Z - INFO - request message received while HBT is absent, sleep 35 sec before
responding
2026-01-08T12:48:41.713Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "190499616",
            "grantRenew": false,
            "operationState": "GRANTED"
        }
    ]
}
2026-01-08T12:48:41.713Z - INFO - request message received while HBT is absent, sleep 28 sec before
responding
2026-01-08T12:49:04.779Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "190499616",
            "response": {
                "responseCode": 501
            },
            "transmitExpireTime": "2026-01-08T12:49:04Z"
        }
    ]
}
}
2026-01-08T12:49:06.596Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-08T12:49:06.598Z - INFO - the question is : Were there RF transmissions from the CBSD during the
test? please choose one of the answers :
2026-01-08T12:49:08.907Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:08.938Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:08.969Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:09.003Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:09.045Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:09.072Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:09.101Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:09.131Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:09.167Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:09.250Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:09.289Z - INFO - engine sent successfully, the response to CBRS : "list index out of
range"
2026-01-08T12:49:09.325Z - INFO - engine sent successfully, the response to CBRS : "list index out of

```

range"

2026-01-08T12:49:09.470Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T12:49:09.509Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T12:49:09.535Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T12:49:09.612Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T12:49:09.637Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T12:49:09.664Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T12:49:09.693Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T12:49:09.714Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T12:49:26.335Z - INFO - for the question : Were there RF transmissions from the CBSD during the test? , the user choose n

2026-01-08T12:49:26.673Z - INFO - The final result of the test : WINNF.FT.C.HBT.9 is - passed

3.8 WINNF.FT.C.HBT.10

2026-01-08T12:51:20.578Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-08T12:51:20.578Z - INFO - the selected test from the user : WINNF.FT.C.HBT.10 is starting now

2026-01-08T12:58:11.124Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-08T12:58:11.170Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-08T12:58:14.729Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

        {
            "measBandwidth": 10000000,
            "measFrequency": 3660000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3670000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3680000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3690000000,
            "measRcvdPower": -99
        }
    ]
}

2026-01-08T12:58:14.740Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```



```
    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-08T12:58:16.700Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}
```

```

        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  },
  "operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3630000000
    }
  }
}
]
}
}
2026-01-08T12:58:16.707Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBKNIASRC230170825.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-15T12:58:16Z",
      "grantId": "886530560",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}

```

```

    ]
  }
2026-01-08T12:58:17.997Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T12:58:18.003Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T13:01:38Z"
    }
  ]
}
2026-01-08T12:58:49.115Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T12:58:49.117Z - INFO - Time interval between two heartbeat request messages is: 31.118, limit
is: 65.0
2026-01-08T12:58:49.121Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-08T13:02:09Z"
    }
  ]
}
2026-01-08T12:59:20.239Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

```

```

2026-01-08T12:59:20.240Z - INFO - Time interval between two heartbeat request messages is: 31.123, limit
is: 65.0
2026-01-08T12:59:20.243Z - INFO - LAST HBT RESPONSE THAT SET TRANSMIT_EXPIRE_TIME WAS AT:
2026-01-08 12:58:49.116000
2026-01-08T12:59:27.371Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T12:59:27.371Z - INFO - request message received while HBT is absent, sleep 197 sec before
responding
2026-01-08T12:59:34.400Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T12:59:34.400Z - INFO - request message received while HBT is absent, sleep 190 sec before
responding
2026-01-08T12:59:41.466Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T12:59:41.466Z - INFO - request message received while HBT is absent, sleep 183 sec before
responding
2026-01-08T12:59:48.503Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T12:59:48.503Z - INFO - request message received while HBT is absent, sleep 176 sec before
responding
2026-01-08T12:59:55.543Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,

```

```

    "operationState": "AUTHORIZED"
  }
]
}
2026-01-08T12:59:55.543Z - INFO - request message received while HBT is absent, sleep 169 sec before
responding
2026-01-08T13:00:02.605Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T13:00:02.607Z - INFO - request message received while HBT is absent, sleep 162 sec before
responding
2026-01-08T13:00:09.647Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T13:00:09.648Z - INFO - request message received while HBT is absent, sleep 155 sec before
responding
2026-01-08T13:00:16.680Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T13:00:16.681Z - INFO - request message received while HBT is absent, sleep 148 sec before
responding
2026-01-08T13:00:23.714Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T13:00:23.714Z - INFO - request message received while HBT is absent, sleep 141 sec before
responding
2026-01-08T13:00:30.756Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",

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    "grantId": "886530560",
    "grantRenew": false,
    "operationState": "AUTHORIZED"
  }
]
}
2026-01-08T13:00:30.756Z - INFO - request message received while HBT is absent, sleep 134 sec before
responding
2026-01-08T13:00:37.788Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-08T13:00:37.788Z - INFO - request message received while HBT is absent, sleep 127 sec before
responding
2026-01-08T13:00:44.815Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-08T13:00:44.816Z - INFO - request message received while HBT is absent, sleep 120 sec before
responding
2026-01-08T13:01:27.976Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-08T13:01:27.977Z - INFO - request message received while HBT is absent, sleep 77 sec before
responding
2026-01-08T13:01:35.009Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-08T13:01:35.009Z - INFO - request message received while HBT is absent, sleep 70 sec before
responding
2026-01-08T13:01:42.039Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [

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    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T13:01:42.039Z - INFO - request message received while HBT is absent, sleep 63 sec before
responding
2026-01-08T13:01:49.069Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T13:01:49.069Z - INFO - request message received while HBT is absent, sleep 56 sec before
responding
2026-01-08T13:01:56.105Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T13:01:56.105Z - INFO - request message received while HBT is absent, sleep 49 sec before
responding
2026-01-08T13:02:03.138Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-08T13:02:03.140Z - INFO - request message received while HBT is absent, sleep 42 sec before
responding
2026-01-08T13:02:10.167Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T13:02:10.167Z - INFO - request message received while HBT is absent, sleep 35 sec before
responding

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```

2026-01-08T13:02:17.164Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-08T13:02:17.164Z - INFO - request message received while HBT is absent, sleep 28 sec before responding
2026-01-08T13:02:40.250Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "886530560",
      "response": {
        "responseCode": 501
      },
      "transmitExpireTime": "2026-01-08T13:02:40Z"
    }
  ]
}
2026-01-08T13:02:41.859Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-08T13:02:41.861Z - INFO - the question is : Did the CBSD stop RF transmissions within
(transmitExpireTime + 60seconds) of last valid heartbeat response? please choose one of the answers :
2026-01-08T13:02:44.371Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.400Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.466Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.505Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.545Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.608Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.648Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.683Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.716Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.756Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.789Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.816Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:44.979Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:45.009Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:45.040Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"
2026-01-08T13:02:45.071Z - INFO - engine sent successfully, the response to CBRS : "list index out of

```


range"

2026-01-08T13:02:45.108Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T13:02:45.141Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T13:02:45.167Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T13:02:45.168Z - INFO - engine sent successfully, the response to CBRS : "list index out of range"

2026-01-08T13:03:54.842Z - INFO - for the question : Did the CBSD stop RF transmissions within (transmitExpireTime + 60seconds) of last valid heartbeat response? , the user choose y

2026-01-08T13:03:55.401Z - INFO - The final result of the test : WINNF.FT.C.HBT.10 is - passed

4 CBSD Measurement Report

4.1 WINNF.FT.D.MES.2

2025-12-23T07:00:41.832Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2025-12-23T07:00:41.832Z - INFO - the selected test from the user : WINNF.FT.D.MES.2 is starting now

2025-12-23T07:07:08.789Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2025-12-23T07:07:08.822Z - INFO - Response message contains measReportConfig

2025-12-23T07:07:08.823Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "measReportConfig": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "response": {
      "responseCode": 0
    }
  }
]
```

2025-12-23T07:07:09.575Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      }
    ]
  }
]
```

```
{
  "highFrequency": 3670000000,
  "lowFrequency": 3660000000
}
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    }
  ]
}
```

```

        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
]
}
]
}
]
}
}
2025-12-23T07:07:09.582Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

    "channelType": "GAA",
    "frequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3660000000
    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2025-12-23T07:07:13.667Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,

```



```

    "response": {
      "responseCode": 0
    }
  ]
}
2025-12-23T07:07:14.573Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "206112837",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2025-12-23T07:07:14.575Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "206112837",
      "response": {
        "responseCode": 501
      },
      "transmitExpireTime": "2025-12-23T07:07:14Z"
    }
  ]
}
2025-12-23T07:07:19.622Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ],
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {

```

```
"measBandwidth": 10000000,  
"measFrequency": 3560000000,  
"measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3570000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3580000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3590000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3600000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3610000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3620000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3630000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3640000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3650000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3660000000,  
  "measRcvdPower": -99  
},  
{  
  "measBandwidth": 10000000,  
  "measFrequency": 3670000000,  
  "measRcvdPower": -99
```



```

    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}
]
}
]
}
2025-12-23T07:07:19.624Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3555000000,
            "lowFrequency": 3550000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ],
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2025-12-23T07:07:43.845Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230172208.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}
2025-12-23T07:07:43.871Z - INFO - Response message contains measReportConfig

```

```
2025-12-23T07:07:43.872Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "measReportConfig": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "response": {
        "responseCode": 0
      }
    }
  ]
}
```

```
2025-12-23T07:07:44.700Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ],
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}
```

```
        "measBandwidth": 10000000,  
        "measFrequency": 3590000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3600000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3610000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3620000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3630000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3640000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3650000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3660000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3670000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3680000000,  
        "measRcvdPower": -99  
    },  
    {  
        "measBandwidth": 10000000,  
        "measFrequency": 3690000000,  
        "measRcvdPower": -99  
    }  
    ]  
}
```

```

}
2025-12-23T07:07:44.707Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ],
      "cbsId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2025-12-23T07:07:45.736Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "206112837",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2025-12-23T07:07:45.736Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {

```

```

    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "grantId": "206112837",
    "response": {
      "responseCode": 501
    },
    "transmitExpireTime": "2025-12-23T07:07:45Z"
  }
]
}
2025-12-23T07:07:48.842Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3630000000,

```

```

        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  },
  "operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3630000000
    }
  }
}

]
}

2025-12-23T07:07:48.852Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "channelType": "GAA",
      "grantExpireTime": "2025-12-30T07:07:48Z",
      "grantId": "650518685",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}

```

2025-12-23T07:07:50.020Z - INFO - arrived to nstep starting question answer session with the technician
2025-12-23T07:18:06.852Z - INFO - The final result of the test : WINNF.FT.D.MES.2 is - passed

5 CBSD Relinquishment Process

5.1 WINNF.FT.D.RLQ.2

2026-01-09T05:41:16.344Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-09T05:41:16.344Z - INFO - the selected test from the user : WINNF.FT.D.RLQ.2 is starting now

2026-01-09T05:41:19.798Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-09T05:41:19.872Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-09T05:41:23.753Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      }
    ]
  }
]
```



```
        "highFrequency": 3670000000,  
        "lowFrequency": 3660000000  
    },  
],  
"measReport": {  
    "rcvdPowerMeasReports": [  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3550000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3560000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3570000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3580000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3590000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3600000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3610000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3620000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3630000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3640000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3650000000,  
            "measRcvdPower": -99  
        }  
    ]  
}
```

```

    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
]
}
]
}
]
}
}
2026-01-09T05:41:23.766Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

    "frequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3660000000
    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-09T05:41:25.747Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,

```

```

    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
]
},
"operationParam": {
  "maxEirp": 20.0,
  "operationFrequencyRange": {
    "highFrequency": 3670000000,
    "lowFrequency": 3630000000
  }
}
}
]
}
2026-01-09T05:41:25.766Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-16T05:41:25Z",
      "grantId": "524235182",
      "heartbeatInterval": 60,
      "response": {

```

```

        "responseCode": 0
      }
    ]
  }
  2026-01-09T05:41:26.891Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "524235182",
        "grantRenew": false,
        "operationState": "GRANTED"
      }
    ]
  }
  2026-01-09T05:41:26.910Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "524235182",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-09T05:44:46Z"
      }
    ]
  }
  2026-01-09T05:41:49.895Z - INFO - registration request from CBRS : {
    "registrationRequest": [
      {
        "airInterface": {
          "radioTechnology": "NR"
        },
        "cbsdCategory": "A",
        "cbsdInfo": {
          "model": "INDOOR",
          "softwareVersion": "IndoorV1",
          "vendor": "Kolibri-Indoor"
        },
        "cbsdSerialNumber": "LBNKIASRC230172208.NR",
        "fccId": "2ASK5AIOID5GSC03",
        "measCapability": [
          "RECEIVED_POWER_WITHOUT_GRANT"
        ],
        "userId": "nokia"
      }
    ]
  }
  2026-01-09T05:41:49.933Z - INFO - engine sent successfully, the response to CBRS : {
    "registrationResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "response": {
          "responseCode": 0
        }
      }
    ]
  }

```

```
2026-01-09T05:41:53.882Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ]
    },
    "measReport": {
      "rcvdPowerMeasReports": [
        {
          "measBandwidth": 10000000,
          "measFrequency": 3550000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3560000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3570000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3580000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3590000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3600000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3610000000,
          "measRcvdPower": -99
        }
      ]
    }
  ]
}
```

```

    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}

2026-01-09T05:41:53.891Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
      ],
    },
  ],
}

```

```

    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      "ruleApplied": "FCC_PART_96"
    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      "ruleApplied": "FCC_PART_96"
    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      },
      "ruleApplied": "FCC_PART_96"
    }
  ],
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
  "response": {
    "responseCode": 0
  }
}

]
}

2026-01-09T05:41:55.854Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```



```

    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ],
  "operationParam": {

```

```

        "maxEirp": 20.0,
        "operationFrequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3630000000
        }
    }
}
]
}
2026-01-09T05:41:55.861Z - INFO - engine sent successfully, the response to CBRS : {
    "grantResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-16T05:41:55Z",
            "grantId": "465987085",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        }
    ]
}
2026-01-09T05:41:57.010Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "465987085",
            "grantRenew": false,
            "operationState": "GRANTED"
        }
    ]
}
2026-01-09T05:41:57.019Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "465987085",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-09T05:45:17Z"
        }
    ]
}
2026-01-09T05:41:58.022Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "524235182",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-09T05:41:58.023Z - INFO - Time interval between two heartbeat request messages is: 31.131, limit
is: 65.0
2026-01-09T05:41:58.029Z - INFO - engine sent successfully, the response to CBRS : {

```

```

    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "524235182",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-09T05:45:18Z"
      }
    ]
  }
}
2026-01-09T05:42:28.132Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "465987085",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-09T05:42:28.134Z - INFO - Time interval between two heartbeat request messages is: 31.121, limit
is: 65.0
2026-01-09T05:42:28.138Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "465987085",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T05:45:48Z"
    }
  ]
}
}
2026-01-09T05:42:29.150Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "524235182",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-09T05:42:29.151Z - INFO - Time interval between two heartbeat request messages is: 31.128, limit
is: 65.0
2026-01-09T05:42:29.155Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "524235182",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T05:45:49Z"
    }
  ]
}
}

```

```

}
2026-01-09T05:42:59.286Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "465987085",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T05:42:59.286Z - INFO - Time interval between two heartbeat request messages is: 31.153, limit
is: 65.0
2026-01-09T05:42:59.292Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "465987085",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T05:46:19Z"
    }
  ]
}
2026-01-09T05:43:00.325Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "524235182",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T05:43:00.325Z - INFO - Time interval between two heartbeat request messages is: 31.175, limit
is: 65.0
2026-01-09T05:43:00.332Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "524235182",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T05:46:20Z"
    }
  ]
}
2026-01-09T05:43:30.456Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "465987085",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

```

```
}
2026-01-09T05:43:30.457Z - INFO - Time interval between two heartbeat request messages is: 31.17, limit is:
65.0
2026-01-09T05:43:30.461Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "465987085",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T05:46:50Z"
    }
  ]
}
2026-01-09T05:43:31.493Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "524235182",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T05:43:31.496Z - INFO - Time interval between two heartbeat request messages is: 31.169, limit
is: 65.0
2026-01-09T05:43:31.502Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "524235182",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T05:46:51Z"
    }
  ]
}
2026-01-09T05:44:01.617Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "465987085",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T05:44:01.618Z - INFO - Time interval between two heartbeat request messages is: 31.161, limit
is: 65.0
2026-01-09T05:44:01.624Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "465987085",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
```

```

    },
    "transmitExpireTime": "2026-01-09T05:47:21Z"
  }
]
}
2026-01-09T05:44:06.089Z - INFO - relinquishment request from CBRS : {
  "relinquishmentRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "524235182"
    }
  ]
}
2026-01-09T05:44:06.095Z - INFO - engine sent successfully, the response to CBRS : {
  "relinquishmentResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "524235182",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-09T05:44:36.168Z - INFO - relinquishment request from CBRS : {
  "relinquishmentRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "465987085"
    }
  ]
}
2026-01-09T05:44:36.174Z - INFO - engine sent successfully, the response to CBRS : {
  "relinquishmentResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "465987085",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-09T05:44:37.434Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-09T05:44:37.436Z - INFO - the question is : Did CBSD1 cease RF transmission before receipt of Relinquishment Request by Test Harness? please choose one of the answers :
2026-01-09T05:52:15.905Z - INFO - for the question : Did CBSD1 cease RF transmission before receipt of Relinquishment Request by Test Harness? , the user choose y
2026-01-09T05:52:15.907Z - INFO - the question is : Did CBSD2 cease RF transmission before receipt of Relinquishment Request by Test Harness? please choose one of the answers :
2026-01-09T05:52:17.112Z - INFO - for the question : Did CBSD2 cease RF transmission before receipt of Relinquishment Request by Test Harness? , the user choose y
2026-01-09T05:52:17.539Z - INFO - The final result of the test : WINNF.FT.D.RLQ.2 is - passed

```

6 CBSD Deregistration Process

6.1 WINNF.FT.D.DRG.2

2026-01-09T05:57:53.424Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-09T05:57:53.424Z - INFO - the selected test from the user : WINNF.FT.D.DRG.2 is starting now

2026-01-09T06:04:19.253Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-09T06:04:19.296Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-09T06:04:23.234Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ]
  }
]
```

```
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    }
  ]
}
```



```

        {
            "measBandwidth": 10000000,
            "measFrequency": 3660000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3670000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3680000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3690000000,
            "measRcvdPower": -99
        }
    ]
}

2026-01-09T06:04:23.246Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

    },
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-09T06:04:25.219Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```

```

        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  },
  "operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3630000000
    }
  }
}
]
}
}
2026-01-09T06:04:25.226Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsId": "2ASK5AIOID5GSC03Mock-SASLBKNIASRC230170825.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-16T06:04:25Z",
      "grantId": "66787036",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}

```

```

    ]
  }
  2026-01-09T06:04:26.558Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "66787036",
        "grantRenew": false,
        "operationState": "GRANTED"
      }
    ]
  }
  2026-01-09T06:04:26.565Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "66787036",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-09T06:07:46Z"
      }
    ]
  }
  2026-01-09T06:04:29.223Z - INFO - registration request from CBRS : {
    "registrationRequest": [
      {
        "airInterface": {
          "radioTechnology": "NR"
        },
        "cbsdCategory": "A",
        "cbsdInfo": {
          "model": "INDOOR",
          "softwareVersion": "IndoorV1",
          "vendor": "Kolibri-Indoor"
        },
        "cbsdSerialNumber": "LBNKIASRC230172208.NR",
        "fccId": "2ASK5AIOID5GSC03",
        "measCapability": [
          "RECEIVED_POWER_WITHOUT_GRANT"
        ],
        "userId": "nokia"
      }
    ]
  }
  2026-01-09T06:04:29.253Z - INFO - engine sent successfully, the response to CBRS : {
    "registrationResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "response": {
          "responseCode": 0
        }
      }
    ]
  }
  2026-01-09T06:04:33.233Z - INFO - spectrumInquiry request from CBRS : {
    "spectrumInquiryRequest": [
      {

```

```
"cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
"inquiredSpectrum": [
  {
    "highFrequency": 3640000000,
    "lowFrequency": 3630000000
  },
  {
    "highFrequency": 3650000000,
    "lowFrequency": 3640000000
  },
  {
    "highFrequency": 3660000000,
    "lowFrequency": 3650000000
  },
  {
    "highFrequency": 3670000000,
    "lowFrequency": 3660000000
  }
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
```

```

        "measFrequency": 3620000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  }
]
}
2026-01-09T06:04:33.243Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {

```

```

        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      "ruleApplied": "FCC_PART_96"
    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      "ruleApplied": "FCC_PART_96"
    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      },
      "ruleApplied": "FCC_PART_96"
    }
  ],
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
  "response": {
    "responseCode": 0
  }
}

]
}

2026-01-09T06:04:35.263Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,

```

```

    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3600000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3610000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
]
},
"operationParam": {
  "maxEirp": 20.0,
  "operationFrequencyRange": {
    "highFrequency": 3670000000,

```



```

        "lowFrequency": 3630000000
      }
    }
  ]
}
2026-01-09T06:04:35.269Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-16T06:04:35Z",
      "grantId": "418908915",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-09T06:04:36.598Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-09T06:04:36.605Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:07:56Z"
    }
  ]
}
2026-01-09T06:04:57.667Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:04:57.668Z - INFO - Time interval between two heartbeat request messages is: 31.11, limit is:
65.0
2026-01-09T06:04:57.674Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",

```

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        "grantId": "66787036",
        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-09T06:08:17Z"
    }
}
2026-01-09T06:05:07.716Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "418908915",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-09T06:05:07.717Z - INFO - Time interval between two heartbeat request messages is: 31.118, limit
is: 65.0
2026-01-09T06:05:07.723Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "418908915",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-09T06:08:27Z"
        }
    ]
}
2026-01-09T06:05:29.818Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "66787036",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-09T06:05:29.819Z - INFO - Time interval between two heartbeat request messages is: 32.15, limit is:
65.0
2026-01-09T06:05:29.826Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "66787036",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-09T06:08:49Z"
        }
    ]
}
2026-01-09T06:05:39.882Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [

```

```

    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:05:39.884Z - INFO - Time interval between two heartbeat request messages is: 32.167, limit
is: 65.0
2026-01-09T06:05:39.891Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:08:59Z"
    }
  ]
}
2026-01-09T06:06:00.970Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:06:00.970Z - INFO - Time interval between two heartbeat request messages is: 31.152, limit
is: 65.0
2026-01-09T06:06:00.976Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:09:20Z"
    }
  ]
}
2026-01-09T06:06:11.015Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:06:11.016Z - INFO - Time interval between two heartbeat request messages is: 31.132, limit
is: 65.0

```

```

2026-01-09T06:06:11.020Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:09:31Z"
    }
  ]
}
2026-01-09T06:06:32.183Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:06:32.184Z - INFO - Time interval between two heartbeat request messages is: 31.214, limit
is: 65.0
2026-01-09T06:06:32.188Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:09:52Z"
    }
  ]
}
2026-01-09T06:06:42.223Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:06:42.226Z - INFO - Time interval between two heartbeat request messages is: 31.21, limit is:
65.0
2026-01-09T06:06:42.230Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:10:02Z"
    }
  ]
}

```

```
]
}
2026-01-09T06:07:03.298Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:07:03.299Z - INFO - Time interval between two heartbeat request messages is: 31.114, limit
is: 65.0
2026-01-09T06:07:03.303Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:10:23Z"
    }
  ]
}
2026-01-09T06:07:13.381Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:07:13.382Z - INFO - Time interval between two heartbeat request messages is: 31.156, limit
is: 65.0
2026-01-09T06:07:13.391Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:10:33Z"
    }
  ]
}
2026-01-09T06:07:34.463Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
```

```

    ]
  }
2026-01-09T06:07:34.464Z - INFO - Time interval between two heartbeat request messages is: 31.166, limit
is: 65.0
2026-01-09T06:07:34.470Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:10:54Z"
    }
  ]
}
2026-01-09T06:07:44.494Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:07:44.496Z - INFO - Time interval between two heartbeat request messages is: 31.114, limit
is: 65.0
2026-01-09T06:07:44.500Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:11:04Z"
    }
  ]
}
2026-01-09T06:08:05.578Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:08:05.579Z - INFO - Time interval between two heartbeat request messages is: 31.115, limit
is: 65.0
2026-01-09T06:08:05.585Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "response": {

```

```

        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:11:25Z"
    }
  ]
}
2026-01-09T06:08:15.614Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-09T06:08:15.615Z - INFO - Time interval between two heartbeat request messages is: 31.119, limit
is: 65.0
2026-01-09T06:08:15.619Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "418908915",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-09T06:11:35Z"
    }
  ]
}
2026-01-09T06:08:40.785Z - INFO - relinquishment request from CBRS : {
  "relinquishmentRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036"
    }
  ]
}
2026-01-09T06:08:40.789Z - INFO - engine sent successfully, the response to CBRS : {
  "relinquishmentResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "66787036",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-09T06:08:46.233Z - INFO - deregistration request from CBRS : {
  "deregistrationRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR"
    }
  ]
}
2026-01-09T06:08:46.253Z - INFO - engine sent successfully, the response to CBRS : {
  "deregistrationResponse": [

```

```

        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "response": {
                "responseCode": 0
            }
        }
    ]
}
2026-01-09T06:08:50.815Z - INFO - relinquishment request from CBRS : {
    "relinquishmentRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "418908915"
        }
    ]
}
2026-01-09T06:08:50.821Z - INFO - engine sent successfully, the response to CBRS : {
    "relinquishmentResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "418908915",
            "response": {
                "responseCode": 0
            }
        }
    ]
}
2026-01-09T06:08:56.197Z - INFO - deregistration request from CBRS : {
    "deregistrationRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR"
        }
    ]
}
2026-01-09T06:08:56.203Z - INFO - engine sent successfully, the response to CBRS : {
    "deregistrationResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "response": {
                "responseCode": 0
            }
        }
    ]
}
2026-01-09T06:08:57.707Z - INFO - arrived to nstep starting question answer session with the technician
2026-01-09T06:08:57.709Z - INFO - the question is : Did CBSD1 cease RF transmission before receipt of
Relinquishment request (if sent) or Deregistration request at Test Harness? please choose one of the
answers :
2026-01-09T06:14:16.315Z - INFO - for the question : Did CBSD1 cease RF transmission before receipt of
Relinquishment request (if sent) or Deregistration request at Test Harness? , the user choose y
2026-01-09T06:14:16.316Z - INFO - the question is : Did CBSD2 cease RF transmission before receipt of
Relinquishment request (if sent) or Deregistration request at Test Harness? please choose one of the
answers :
2026-01-09T06:14:17.380Z - INFO - for the question : Did CBSD2 cease RF transmission before receipt of
Relinquishment request (if sent) or Deregistration request at Test Harness? , the user choose y
2026-01-09T06:14:17.921Z - INFO - The final result of the test : WINNF.FT.D.DRG.2 is - passed

```


7 CBSD Security Validation

7.1 WINNF.FT.C.SCS.1

2026-01-09T06:31:19.979Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-09T06:31:19.979Z - INFO - the selected test from the user : WINNF.FT.C.SCS.1 is starting now

2026-01-09T06:31:24.469Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-09T06:31:24.490Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-09T06:31:25.982Z - INFO - arrived to nstep starting question answer session with the technician

2026-01-09T06:31:25.983Z - INFO - the question is : Were there RF transmissions from the CBSD1 during the test? please choose one of the answers :

2026-01-09T06:38:02.984Z - INFO - for the question : Were there RF transmissions from the CBSD1 during the test? , the user choose n

2026-01-09T06:38:03.318Z - INFO - The final result of the test : WINNF.FT.C.SCS.1 is - passed

7.2 WINNF.FT.C.SCS.2

2025-09-05T07:57:02.785Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2025-09-05T07:57:02.786Z - INFO - the selected test from the user : WINNF.FT.C.SCS.2 is starting now

7.3 WINNF.FT.C.SCS.3

2025-09-05T10:17:33.038Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2025-09-05T10:17:33.039Z - INFO - the selected test from the user : WINNF.FT.C.SCS.3 is starting now

7.4 WINNF.FT.C.SCS.4

2025-09-09T03:40:18.049Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2025-09-09T03:40:18.049Z - INFO - the selected test from the user : WINNF.FT.C.SCS.4 is starting now

7.5 WINNF.FT.C.SCS.5

2025-09-09T04:15:45.121Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2025-09-09T04:15:45.122Z - INFO - the selected test from the user : WINNF.FT.C.SCS.5 is starting now

8 CBSD RF Power Measurement

8.1 For Internal

8.1.1 WINNF.PT.C.HBT.1(MAX EIRP = 10 DBM/MHZ)

2026-01-15T12:00:41.142Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-15T12:00:41.142Z - INFO - Selected spectrum frequency is {'lowFrequency': 3630000000L, 'highFrequency': 3670000000L}

2026-01-15T12:00:41.144Z - INFO - Granted Spectrum Max Eirp = 10dBm/MHz

2026-01-15T12:00:41.144Z - INFO - the selected test from the user : PowerMeasTest is starting now

2026-01-15T12:07:45.345Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

} 2026-01-15T12:07:45.368Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

} 2026-01-15T12:07:47.937Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      }
    ]
  }
]
```

```
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ],
    "measReport": {
      "rcvdPowerMeasReports": [
        {
          "measBandwidth": 10000000,
          "measFrequency": 3550000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3560000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3570000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3580000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3590000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3600000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3610000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3620000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3630000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3640000000,
```

```

    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}

```

```

}
2026-01-15T12:07:47.946Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T12:07:47.947Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T12:07:47.947Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T12:07:47.948Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T12:07:47.950Z - INFO - engine sent successfully, the response to CBRS  : {
    "spectrumInquiryResponse": [
        {
            "availableChannel": [
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3640000000,
                        "lowFrequency": 3630000000
                    },
                    "maxEirp": 10,
                    "ruleApplied": "FCC_PART_96"
                },
                {
                    "channelType": "GAA",
                    "frequencyRange": {
                        "highFrequency": 3650000000,
                        "lowFrequency": 3640000000
                    }
                }
            ]
        }
    ]
}

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    },
    "maxEirp": 10,
    "ruleApplied": "FCC_PART_96"
  },
  {
    "channelType": "GAA",
    "frequencyRange": {
      "highFrequency": 3660000000,
      "lowFrequency": 3650000000
    },
    "maxEirp": 10,
    "ruleApplied": "FCC_PART_96"
  },
  {
    "channelType": "GAA",
    "frequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3660000000
    },
    "maxEirp": 10,
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-15T12:07:50.019Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

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    "measFrequency": 3590000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3600000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3610000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
]
},
"operationParam": {
  "maxEirp": 10.0,
  "operationFrequencyRange": {

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        "highFrequency": 3670000000,
        "lowFrequency": 3630000000
      }
    }
  ]
}
2026-01-15T12:07:50.026Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-22T12:07:50Z",
      "grantId": "433996343",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-15T12:07:51.230Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-15T12:07:51.236Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:11:11Z"
    }
  ]
}
2026-01-15T12:08:10.381Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230170825.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [

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    "RECEIVED_POWER_WITHOUT_GRANT"
  ],
  "userId": "nokia"
}
]
}
2026-01-15T12:08:10.407Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-15T12:08:13.028Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ]
    },
    {
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,

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    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3590000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3600000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3610000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
]

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    }
  }
]
}
2026-01-15T12:08:13.036Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T12:08:13.038Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T12:08:13.040Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T12:08:13.042Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T12:08:13.042Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "maxEirp": 10,
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "maxEirp": 10,
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "maxEirp": 10,
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "maxEirp": 10,
          "ruleApplied": "FCC_PART_96"
        }
      ],
      "cbsId": "2ASK5AIOID5GSC03Mock-SASLBKNIASRC230170825.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}

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]
}
2026-01-15T12:08:15.108Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3610000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3620000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3630000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3640000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}
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        {
            "measBandwidth": 10000000,
            "measFrequency": 3650000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3660000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3670000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3680000000,
            "measRcvdPower": -99
        },
        {
            "measBandwidth": 10000000,
            "measFrequency": 3690000000,
            "measRcvdPower": -99
        }
    ]
},
"operationParam": {
    "maxEirp": 10.0,
    "operationFrequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3630000000
    }
}
}
]
}
}
2026-01-15T12:08:15.115Z - INFO - engine sent successfully, the response to CBRS : {
    "grantResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-22T12:08:15Z",
            "grantId": "901191583",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        }
    ]
}
}
2026-01-15T12:08:16.305Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "grantRenew": false,
            "operationState": "GRANTED"
        }
    ]
}

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    }
  ]
}
2026-01-15T12:08:16.312Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:11:36Z"
    }
  ]
}
2026-01-15T12:08:22.342Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:08:22.348Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:11:42Z"
    }
  ]
}
2026-01-15T12:08:47.470Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:08:47.476Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:12:07Z"
    }
  ]
}

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}
2026-01-15T12:08:53.506Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:08:53.513Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:12:13Z"
    }
  ]
}
2026-01-15T12:09:18.630Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:09:18.635Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:12:38Z"
    }
  ]
}
2026-01-15T12:09:24.691Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:09:24.697Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {

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        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "433996343",
        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T12:12:44Z"
    }
}
2026-01-15T12:09:49.858Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:09:49.862Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:13:09Z"
        }
    ]
}
2026-01-15T12:09:55.908Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:09:55.914Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:13:15Z"
        }
    ]
}
2026-01-15T12:10:21.030Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",

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    "grantRenew": false,
    "operationState": "AUTHORIZED"
  }
]
}
2026-01-15T12:10:21.036Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:13:41Z"
    }
  ]
}
2026-01-15T12:10:27.069Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:10:27.075Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:13:47Z"
    }
  ]
}
2026-01-15T12:10:52.164Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:10:52.170Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:14:12Z"
    }
  ]
}

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    }
  ]
}
2026-01-15T12:10:58.194Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:10:58.200Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:14:18Z"
    }
  ]
}
2026-01-15T12:11:23.305Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:11:23.312Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:14:43Z"
    }
  ]
}
2026-01-15T12:11:29.357Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:11:29.362Z - INFO - engine sent successfully, the response to CBRS : {

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    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "433996343",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T12:14:49Z"
      }
    ]
  }
}
2026-01-15T12:11:54.477Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-15T12:11:54.483Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:15:14Z"
    }
  ]
}
}
2026-01-15T12:12:00.519Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-15T12:12:00.525Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:15:20Z"
    }
  ]
}
}
2026-01-15T12:12:25.618Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {

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        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "901191583",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
  2026-01-15T12:12:25.624Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "901191583",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T12:15:45Z"
      }
    ]
  }
  2026-01-15T12:12:31.683Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "433996343",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
  2026-01-15T12:12:31.687Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "433996343",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T12:15:51Z"
      }
    ]
  }
  2026-01-15T12:12:56.806Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "901191583",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
  2026-01-15T12:12:56.812Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "901191583",
        "response": {
          "responseCode": 0

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    },
    "transmitExpireTime": "2026-01-15T12:16:16Z"
  }
]
}
2026-01-15T12:13:02.861Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:13:02.868Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:16:22Z"
    }
  ]
}
2026-01-15T12:13:28.000Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:13:28.007Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:16:48Z"
    }
  ]
}
2026-01-15T12:13:34.028Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

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}
2026-01-15T12:13:34.035Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:16:54Z"
    }
  ]
}
2026-01-15T12:13:59.114Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:13:59.119Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:17:19Z"
    }
  ]
}
2026-01-15T12:14:05.142Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:14:05.148Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:17:25Z"
    }
  ]
}
2026-01-15T12:14:30.244Z - INFO - heartbeat request from CBRS : {

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    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "901191583",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
}
2026-01-15T12:14:30.250Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:17:50Z"
    }
  ]
}
}
2026-01-15T12:14:36.298Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-15T12:14:36.305Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:17:56Z"
    }
  ]
}
}
2026-01-15T12:15:01.411Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-15T12:15:01.418Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",

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        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T12:18:21Z"
    }
}
2026-01-15T12:15:07.466Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:15:07.473Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:18:27Z"
        }
    ]
}
2026-01-15T12:15:32.602Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:15:32.608Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:18:52Z"
        }
    ]
}
2026-01-15T12:15:38.648Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}

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    }
  ]
}
2026-01-15T12:15:38.654Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:18:58Z"
    }
  ]
}
2026-01-15T12:16:03.740Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:16:03.744Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:19:23Z"
    }
  ]
}
2026-01-15T12:16:09.756Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:16:09.762Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:19:29Z"
    }
  ]
}

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}
2026-01-15T12:16:34.865Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:16:34.871Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:19:54Z"
    }
  ]
}
2026-01-15T12:16:40.914Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:16:40.918Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:20:00Z"
    }
  ]
}
2026-01-15T12:17:06.016Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:17:06.022Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
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        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "901191583",
        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T12:20:26Z"
    }
}
2026-01-15T12:17:12.082Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:17:12.088Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:20:32Z"
        }
    ]
}
2026-01-15T12:17:37.180Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:17:37.196Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:20:57Z"
        }
    ]
}
2026-01-15T12:17:43.243Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",

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    "grantRenew": false,
    "operationState": "AUTHORIZED"
  }
]
}
2026-01-15T12:17:43.250Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:21:03Z"
    }
  ]
}
2026-01-15T12:18:08.342Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:18:08.348Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:21:28Z"
    }
  ]
}
2026-01-15T12:18:14.407Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:18:14.414Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:21:34Z"
    }
  ]
}

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    }
  ]
}
2026-01-15T12:18:39.483Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:18:39.492Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:21:59Z"
    }
  ]
}
2026-01-15T12:18:45.519Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:18:45.525Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:22:05Z"
    }
  ]
}
2026-01-15T12:19:10.622Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:19:10.628Z - INFO - engine sent successfully, the response to CBRS : {

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    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "901191583",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T12:22:30Z"
      }
    ]
  }
}
2026-01-15T12:19:16.677Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-15T12:19:16.683Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:22:36Z"
    }
  ]
}
}
2026-01-15T12:19:41.786Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-15T12:19:41.792Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:23:01Z"
    }
  ]
}
}
2026-01-15T12:19:47.846Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {

```

```

        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "433996343",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
    }
]
}
2026-01-15T12:19:47.852Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:23:07Z"
        }
    ]
}
2026-01-15T12:20:12.950Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:20:12.957Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:23:32Z"
        }
    ]
}
2026-01-15T12:20:19.010Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:20:19.019Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:23:32Z"
        }
    ]
}

```

```

    },
    "transmitExpireTime": "2026-01-15T12:23:39Z"
  }
]
}
2026-01-15T12:20:44.128Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:20:44.134Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:24:04Z"
    }
  ]
}
2026-01-15T12:20:50.176Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:20:50.181Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:24:10Z"
    }
  ]
}
2026-01-15T12:21:15.266Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

```



```

}
2026-01-15T12:21:15.273Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:24:35Z"
    }
  ]
}
2026-01-15T12:21:21.295Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:21:21.302Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:24:41Z"
    }
  ]
}
2026-01-15T12:21:46.392Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:21:46.398Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:25:06Z"
    }
  ]
}
2026-01-15T12:21:52.457Z - INFO - heartbeat request from CBRS : {

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```

    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "433996343",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
}
2026-01-15T12:21:52.463Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:25:12Z"
    }
  ]
}
}
2026-01-15T12:22:17.559Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-15T12:22:17.565Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:25:37Z"
    }
  ]
}
}
2026-01-15T12:22:23.578Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-15T12:22:23.585Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",

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        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T12:25:43Z"
    }
]
}
2026-01-15T12:22:48.678Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:22:48.684Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:26:08Z"
        }
    ]
}
2026-01-15T12:22:54.740Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:22:54.749Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:26:14Z"
        }
    ]
}
2026-01-15T12:23:19.839Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}

```

```

    }
  ]
}
2026-01-15T12:23:19.846Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:26:39Z"
    }
  ]
}
2026-01-15T12:23:25.868Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:23:25.875Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:26:45Z"
    }
  ]
}
2026-01-15T12:23:50.963Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:23:50.970Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:27:10Z"
    }
  ]
}

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}
2026-01-15T12:23:57.028Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:23:57.033Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:27:17Z"
    }
  ]
}
2026-01-15T12:24:22.147Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:24:22.154Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:27:42Z"
    }
  ]
}
2026-01-15T12:24:28.210Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:24:28.214Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
```

```

        "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "433996343",
        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T12:27:48Z"
    }
}
2026-01-15T12:24:53.329Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:24:53.338Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:28:13Z"
        }
    ]
}
2026-01-15T12:24:59.368Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T12:24:59.378Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "433996343",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T12:28:19Z"
        }
    ]
}
2026-01-15T12:25:24.450Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "901191583",

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    "grantRenew": false,
    "operationState": "AUTHORIZED"
  }
]
}
2026-01-15T12:25:24.457Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:28:44Z"
    }
  ]
}
2026-01-15T12:25:30.490Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:25:30.496Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:28:50Z"
    }
  ]
}
2026-01-15T12:25:55.618Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:25:55.627Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:29:15Z"
    }
  ]
}

```

```

    }
  ]
}
2026-01-15T12:26:01.664Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:26:01.674Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:29:21Z"
    }
  ]
}
2026-01-15T12:26:26.788Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:26:26.796Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "901191583",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T12:29:46Z"
    }
  ]
}
2026-01-15T12:26:32.828Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "433996343",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T12:26:32.836Z - INFO - engine sent successfully, the response to CBRS : {

```



```
"heartbeatResponse": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",  
    "grantId": "433996343",  
    "response": {  
      "responseCode": 0  
    },  
    "transmitExpireTime": "2026-01-15T12:29:52Z"  
  }  
]  
}
```

8.1.2 WINNF.PT.C.HBT.1(MAX EIRP = 15 DBM/MHZ)

2026-01-15T11:23:49.019Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-15T11:23:49.020Z - INFO - Selected spectrum frequency is {'lowFrequency': 3630000000L, 'highFrequency': 3670000000L}

2026-01-15T11:23:49.020Z - INFO - Granted Spectrum Max Eirp = 15dBm/MHz

2026-01-15T11:23:49.022Z - INFO - the selected test from the user : PowerMeasTest is starting now

2026-01-15T11:24:21.822Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  },
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-15T11:24:21.911Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "response": {
      "responseCode": 0
    }
  },
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
```

```
        "responseCode": 0
      }
    }
  ]
}
2026-01-15T11:24:24.492Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ],
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3600000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}
```

```

    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}
},
{
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "inquiredSpectrum": [
    {
      "highFrequency": 3640000000,
      "lowFrequency": 3630000000
    },
    {
      "highFrequency": 3650000000,

```

```
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ],
    "measReport": {
      "rcvdPowerMeasReports": [
        {
          "measBandwidth": 10000000,
          "measFrequency": 3550000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3560000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3570000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3580000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3590000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3600000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3610000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3620000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3630000000,
          "measRcvdPower": -99
        }
      ]
    }
  },
  "measReport": {
    "rcvdPowerMeasReports": [
      {
        "measBandwidth": 10000000,
        "measFrequency": 3550000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3560000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3570000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3580000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3590000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3600000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3610000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3620000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
      }
    ]
  }
}
```

```

    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}

2026-01-15T11:24:24.526Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T11:24:24.526Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T11:24:24.526Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T11:24:24.526Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T11:24:24.536Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T11:24:24.536Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T11:24:24.536Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T11:24:24.538Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T11:24:24.539Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {

```

```
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
    },
    "maxEirp": 15,
    "ruleApplied": "FCC_PART_96"
},
{
    "channelType": "GAA",
    "frequencyRange": {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
    },
    "maxEirp": 15,
    "ruleApplied": "FCC_PART_96"
},
{
    "channelType": "GAA",
    "frequencyRange": {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
    },
    "maxEirp": 15,
    "ruleApplied": "FCC_PART_96"
},
{
    "channelType": "GAA",
    "frequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
    },
    "maxEirp": 15,
    "ruleApplied": "FCC_PART_96"
}
],
"cbsdId": "2ASK5AIOID5GSC03Mock-SASLBKNIASRC230172208.NR",
"response": {
    "responseCode": 0
}
},
{
    "availableChannel": [
        {
            "channelType": "GAA",
            "frequencyRange": {
                "highFrequency": 3640000000,
                "lowFrequency": 3630000000
            },
            "maxEirp": 15,
            "ruleApplied": "FCC_PART_96"
        },
        {
            "channelType": "GAA",
            "frequencyRange": {
                "highFrequency": 3650000000,
                "lowFrequency": 3640000000
            },
            "maxEirp": 15,
            "ruleApplied": "FCC_PART_96"
        }
    ]
}
```

```

    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      "maxEirp": 15,
      "ruleApplied": "FCC_PART_96"
    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      },
      "maxEirp": 15,
      "ruleApplied": "FCC_PART_96"
    }
  ],
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "response": {
    "responseCode": 0
  }
}
]
}
2026-01-15T11:24:26.664Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```



```

    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
},
"operationParam": {
  "maxEirp": 15.0,
  "operationFrequencyRange": {
    "highFrequency": 3670000000,
    "lowFrequency": 3630000000
  }
}

```

```
    }  
  },  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",  
    "measReport": {  
      "rcvdPowerMeasReports": [  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3550000000,  
          "measRcvdPower": -99  
        },  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3560000000,  
          "measRcvdPower": -99  
        },  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3570000000,  
          "measRcvdPower": -99  
        },  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3580000000,  
          "measRcvdPower": -99  
        },  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3590000000,  
          "measRcvdPower": -99  
        },  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3600000000,  
          "measRcvdPower": -99  
        },  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3610000000,  
          "measRcvdPower": -99  
        },  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3620000000,  
          "measRcvdPower": -99  
        },  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3630000000,  
          "measRcvdPower": -99  
        },  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3640000000,  
          "measRcvdPower": -99  
        },  
        {  
          "measBandwidth": 10000000,  
          "measFrequency": 3650000000,  
          "measRcvdPower": -99  
        }  
      ]  
    }  
  }  
}
```

```

        "measFrequency": 3650000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3660000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3670000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3680000000,
        "measRcvdPower": -99
    },
    {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
    }
]
},
"operationParam": {
    "maxEirp": 15.0,
    "operationFrequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3630000000
    }
}
}
]
}
}
2026-01-15T11:24:26.707Z - INFO - engine sent successfully, the response to CBRS : {
    "grantResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-22T11:24:26Z",
            "grantId": "779763961",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        },
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "channelType": "GAA",
            "grantExpireTime": "2026-01-22T11:24:26Z",
            "grantId": "34422769",
            "heartbeatInterval": 60,
            "response": {
                "responseCode": 0
            }
        }
    ]
}

```

```
}
2026-01-15T11:24:27.565Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "GRANTED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-15T11:24:27.605Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:27:47Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:27:47Z"
    }
  ]
}
2026-01-15T11:24:58.673Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:24:58.684Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
```

```

        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T11:28:18Z"
    },
    {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "779763961",
        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-15T11:28:18Z"
    }
]
}
2026-01-15T11:25:29.805Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "779763961",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        },
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "34422769",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T11:25:29.816Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "779763961",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T11:28:49Z"
        },
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "34422769",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T11:28:49Z"
        }
    ]
}
2026-01-15T11:26:00.933Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "779763961",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}

```

```

    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:26:00.946Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:29:20Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:29:20Z"
    }
  ]
}
2026-01-15T11:26:32.102Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:26:32.112Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:29:52Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",

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```

    "response": {
      "responseCode": 0
    },
    "transmitExpireTime": "2026-01-15T11:29:52Z"
  }
]
}
2026-01-15T11:27:03.243Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:27:03.253Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:30:23Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:30:23Z"
    }
  ]
}
2026-01-15T11:27:34.390Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

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}
2026-01-15T11:27:34.398Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:30:54Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:30:54Z"
    }
  ]
}
2026-01-15T11:28:05.532Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:28:05.542Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:31:25Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:31:25Z"
    }
  ]
}
2026-01-15T11:28:36.674Z - INFO - heartbeat request from CBRS : {

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    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "34422769",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      },
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "779763961",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
}
2026-01-15T11:28:36.684Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:31:56Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:31:56Z"
    }
  ]
}
2026-01-15T11:29:07.779Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:29:07.789Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:31:56Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:31:56Z"
    }
  ]
}

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    },
    "transmitExpireTime": "2026-01-15T11:32:27Z"
  },
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "grantId": "779763961",
    "response": {
      "responseCode": 0
    },
    "transmitExpireTime": "2026-01-15T11:32:27Z"
  }
]
}
2026-01-15T11:29:38.907Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:29:38.918Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:32:58Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:32:58Z"
    }
  ]
}
2026-01-15T11:30:10.032Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {

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        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "779763961",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
}
2026-01-15T11:30:10.042Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:33:30Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:33:30Z"
    }
  ]
}
2026-01-15T11:30:41.157Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:30:41.168Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:34:01Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      }
    }
  ]
}

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    },
    "transmitExpireTime": "2026-01-15T11:34:01Z"
  }
]
}
2026-01-15T11:31:12.302Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:31:12.312Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:34:32Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:34:32Z"
    }
  ]
}
2026-01-15T11:31:43.444Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:31:43.456Z - INFO - engine sent successfully, the response to CBRS : {

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"heartbeatResponse": [  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",  
    "grantId": "34422769",  
    "response": {  
      "responseCode": 0  
    },  
    "transmitExpireTime": "2026-01-15T11:35:03Z"  
  },  
  {  
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "779763961",  
    "response": {  
      "responseCode": 0  
    },  
    "transmitExpireTime": "2026-01-15T11:35:03Z"  
  }  
]  
}  
2026-01-15T11:32:14.572Z - INFO - heartbeat request from CBRS : {  
  "heartbeatRequest": [  
    {  
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",  
      "grantId": "34422769",  
      "grantRenew": false,  
      "operationState": "AUTHORIZED"  
    },  
    {  
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
      "grantId": "779763961",  
      "grantRenew": false,  
      "operationState": "AUTHORIZED"  
    }  
  ]  
}  
2026-01-15T11:32:14.585Z - INFO - engine sent successfully, the response to CBRS : {  
  "heartbeatResponse": [  
    {  
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",  
      "grantId": "34422769",  
      "response": {  
        "responseCode": 0  
      },  
      "transmitExpireTime": "2026-01-15T11:35:34Z"  
    },  
    {  
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
      "grantId": "779763961",  
      "response": {  
        "responseCode": 0  
      },  
      "transmitExpireTime": "2026-01-15T11:35:34Z"  
    }  
  ]  
}  
2026-01-15T11:32:45.709Z - INFO - heartbeat request from CBRS : {  
  "heartbeatRequest": [  
    {
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    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "grantId": "34422769",
    "grantRenew": false,
    "operationState": "AUTHORIZED"
  },
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "grantId": "779763961",
    "grantRenew": false,
    "operationState": "AUTHORIZED"
  }
]
}
2026-01-15T11:32:45.720Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:36:05Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:36:05Z"
    }
  ]
}
2026-01-15T11:33:16.848Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:33:16.858Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:36:36Z"
    }
  ]
}

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    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:36:36Z"
    }
  ]
}
2026-01-15T11:33:47.984Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:33:47.996Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:37:07Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:37:07Z"
    }
  ]
}
2026-01-15T11:34:19.127Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",

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    "grantRenew": false,
    "operationState": "AUTHORIZED"
  }
]
}
2026-01-15T11:34:19.140Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:37:39Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:37:39Z"
    }
  ]
}
2026-01-15T11:34:50.232Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:34:50.253Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:38:10Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:38:10Z"
    }
  ]
}

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    }
  ]
}
2026-01-15T11:35:21.365Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:35:21.377Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:38:41Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:38:41Z"
    }
  ]
}
2026-01-15T11:35:52.502Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:35:52.512Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
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"cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
"grantId": "34422769",
"response": {
  "responseCode": 0
},
"transmitExpireTime": "2026-01-15T11:39:12Z"
},
{
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "grantId": "779763961",
  "response": {
    "responseCode": 0
  },
  "transmitExpireTime": "2026-01-15T11:39:12Z"
}
]
}
2026-01-15T11:36:23.641Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:36:23.651Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:39:43Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:39:43Z"
    }
  ]
}
2026-01-15T11:36:54.739Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
```

```

        "grantRenew": false,
        "operationState": "AUTHORIZED"
    },
    {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "779763961",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
    }
]
}
2026-01-15T11:36:54.750Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "34422769",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T11:40:14Z"
        },
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "779763961",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T11:40:14Z"
        }
    ]
}
2026-01-15T11:37:25.877Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "34422769",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        },
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "779763961",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T11:37:25.887Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "34422769",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T11:40:45Z"
        },
        {

```

```

    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "grantId": "779763961",
    "response": {
      "responseCode": 0
    },
    "transmitExpireTime": "2026-01-15T11:40:45Z"
  }
]
}
2026-01-15T11:37:57.019Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T11:37:57.030Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "34422769",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:41:17Z"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "779763961",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T11:41:17Z"
    }
  ]
}

```

8.1.3 WINNF.PT.C.HBT.1(MAX EIRP = 20 DBM/MHZ)

2026-01-15T08:35:23.549Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-15T08:35:23.551Z - INFO - Selected spectrum frequency is {'lowFrequency': 3630000000L, 'highFrequency': 3670000000L}

2026-01-15T08:35:23.552Z - INFO - Granted Spectrum Max Eirp = 20dBm/MHz

2026-01-15T08:35:23.552Z - INFO - the selected test from the user : PowerMeasTest is starting now

2026-01-15T08:41:55.611Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230172208.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-15T08:41:55.661Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-15T08:41:57.625Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      }
    ]
  }
]
```

```
"highFrequency": 3670000000,
"lowFrequency": 3660000000
}
],
"measReport": {
  "rcvdPowerMeasReports": [
    {
      "measBandwidth": 10000000,
      "measFrequency": 3550000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3560000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3570000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3580000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3590000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3600000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3610000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3620000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3630000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3640000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
```

```

    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}

```

```

}
2026-01-15T08:41:57.638Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T08:41:57.638Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T08:41:57.638Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T08:41:57.640Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-15T08:41:57.640Z - INFO - engine sent successfully, the response to CBRS  : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "maxEirp": 20,
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "maxEirp": 20,
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      "maxEirp": 20,
      "ruleApplied": "FCC_PART_96"
    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      },
      "maxEirp": 20,
      "ruleApplied": "FCC_PART_96"
    }
  ],
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
  "response": {
    "responseCode": 0
  }
}
]
}
2026-01-15T08:41:59.750Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```



```

    "measBandwidth": 10000000,
    "measFrequency": 3600000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3610000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
]
},
"operationParam": {
  "maxEirp": 20.0,
  "operationFrequencyRange": {
    "highFrequency": 3670000000,
    "lowFrequency": 3630000000
  }
}
}

```

```
    }
  ]
}
2026-01-15T08:41:59.762Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-22T08:41:59Z",
      "grantId": "877761854",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-15T08:42:00.171Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-15T08:42:00.177Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:45:20Z"
    }
  ]
}
2026-01-15T08:42:31.273Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T08:42:31.279Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:45:51Z"
    }
  ]
}
```

```

    }
  ]
}
2026-01-15T08:43:00.799Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230170825.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}
2026-01-15T08:43:00.828Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-15T08:43:02.372Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T08:43:02.378Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:46:22Z"
    }
  ]
}
2026-01-15T08:43:02.852Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [

```

```
{
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "inquiredSpectrum": [
    {
      "highFrequency": 3640000000,
      "lowFrequency": 3630000000
    },
    {
      "highFrequency": 3650000000,
      "lowFrequency": 3640000000
    },
    {
      "highFrequency": 3660000000,
      "lowFrequency": 3650000000
    },
    {
      "highFrequency": 3670000000,
      "lowFrequency": 3660000000
    }
  ],
  "measReport": {
    "rcvdPowerMeasReports": [
      {
        "measBandwidth": 10000000,
        "measFrequency": 3550000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3560000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3570000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3580000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3590000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3600000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3610000000,
        "measRcvdPower": -99
      }
    ]
  }
}
```

```

    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
}

```

```

}
2026-01-15T08:43:02.864Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-15T08:43:02.865Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-15T08:43:02.868Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-15T08:43:02.871Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-15T08:43:02.871Z - INFO - engine sent successfully, the response to CBRS  : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",

```

```

        "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
        },
        "maxEirp": 20,
        "ruleApplied": "FCC_PART_96"
    },
    {
        "channelType": "GAA",
        "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
        },
        "maxEirp": 20,
        "ruleApplied": "FCC_PART_96"
    },
    {
        "channelType": "GAA",
        "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
        },
        "maxEirp": 20,
        "ruleApplied": "FCC_PART_96"
    },
    {
        "channelType": "GAA",
        "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
        },
        "maxEirp": 20,
        "ruleApplied": "FCC_PART_96"
    }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
    "responseCode": 0
}
}
]
}
2026-01-15T08:43:04.982Z - INFO - grant request from CBRS : {
    "grantRequest": [
        {
            "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "measReport": {
                "rcvdPowerMeasReports": [
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3550000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3560000000,
                        "measRcvdPower": -99
                    }
                ]
            }
        }
    ]
}

```

```
{
  "measBandwidth": 10000000,
  "measFrequency": 3570000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3580000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3590000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3600000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3610000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3620000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3630000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3640000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3650000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3660000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3670000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3680000000,
```

```

        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  },
  "operationParam": {
    "maxEirp": 20.0,
    "operationFrequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3630000000
    }
  }
}
]
}
2026-01-15T08:43:04.989Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-22T08:43:04Z",
      "grantId": "433681786",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-15T08:43:05.430Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "433681786",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-15T08:43:05.436Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "433681786",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:46:25Z"
    }
  ]
}
2026-01-15T08:43:33.533Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {

```



```

        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "877761854",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
    }
]
}
2026-01-15T08:43:33.539Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "877761854",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T08:46:53Z"
        }
    ]
}
2026-01-15T08:43:36.549Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "433681786",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T08:43:36.555Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "433681786",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T08:46:56Z"
        }
    ]
}
2026-01-15T08:44:04.641Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "877761854",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-15T08:44:04.647Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "877761854",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-15T08:46:59Z"
        }
    ]
}

```

```

    },
    "transmitExpireTime": "2026-01-15T08:47:24Z"
  }
]
}
2026-01-15T08:44:07.665Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "433681786",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T08:44:07.671Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "433681786",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:47:27Z"
    }
  ]
}
2026-01-15T08:44:35.790Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T08:44:35.796Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:47:55Z"
    }
  ]
}
2026-01-15T08:44:38.842Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "433681786",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

```

```

}
2026-01-15T08:44:38.848Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "433681786",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:47:58Z"
    }
  ]
}
2026-01-15T08:45:06.941Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T08:45:06.947Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:48:26Z"
    }
  ]
}
2026-01-15T08:45:09.954Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "433681786",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-15T08:45:09.963Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "433681786",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:48:29Z"
    }
  ]
}
2026-01-15T08:45:38.045Z - INFO - heartbeat request from CBRS : {

```

```

    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "877761854",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
}
2026-01-15T08:45:38.052Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "877761854",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:48:58Z"
    }
  ]
}
}
2026-01-15T08:45:41.071Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "433681786",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-15T08:45:41.076Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "433681786",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-15T08:49:01Z"
    }
  ]
}
}

```

8.2 For External

8.2.1 WINNF.PT.C.HBT.1(MAX EIRP = 10 DBM/MHZ)

2026-01-16T09:26:08.319Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-16T09:26:08.319Z - INFO - Selected spectrum frequency is {'lowFrequency': 3630000000L, 'highFrequency': 3670000000L}

2026-01-16T09:26:08.319Z - INFO - Granted Spectrum Max Eirp = 10dBm/MHz

2026-01-16T09:26:08.321Z - INFO - the selected test from the user : PowerMeasTest is starting now

2026-01-16T09:26:13.329Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-16T09:26:13.381Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-16T09:26:15.517Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
```

```
        "lowFrequency": 3650000000
      },
      {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      }
    ],
    "measReport": {
      "rcvdPowerMeasReports": [
        {
          "measBandwidth": 10000000,
          "measFrequency": 3550000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3560000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3570000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3580000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3590000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3600000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3610000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3620000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3630000000,
          "measRcvdPower": -99
        },
        {
          "measBandwidth": 10000000,
          "measFrequency": 3640000000,
          "measRcvdPower": -99
        }
      ]
    }
  }
}
```

```

    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3650000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
}
]
}
]
}
}
2026-01-16T09:26:15.532Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-16T09:26:15.533Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-16T09:26:15.533Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-16T09:26:15.535Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-16T09:26:15.536Z - INFO - engine sent successfully, the response to CBRS : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "maxEirp": 10,
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          }
        }
      ]
    }
  ]
}

```

```

    "maxEirp": 10,
    "ruleApplied": "FCC_PART_96"
  },
  {
    "channelType": "GAA",
    "frequencyRange": {
      "highFrequency": 3660000000,
      "lowFrequency": 3650000000
    },
    "maxEirp": 10,
    "ruleApplied": "FCC_PART_96"
  },
  {
    "channelType": "GAA",
    "frequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3660000000
    },
    "maxEirp": 10,
    "ruleApplied": "FCC_PART_96"
  }
],
"cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
  "responseCode": 0
}
}
]
}
2026-01-16T09:26:16.805Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,

```



```

    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3600000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3610000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
]
},
"operationParam": {
  "maxEirp": 10.0,
  "operationFrequencyRange": {
    "highFrequency": 3670000000,

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```

        "lowFrequency": 3630000000
      }
    }
  ]
}
2026-01-16T09:26:16.818Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-23T09:26:16Z",
      "grantId": "649744595",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-16T09:26:17.714Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T09:26:17.720Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:29:37Z"
    }
  ]
}
2026-01-16T09:26:48.838Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:26:48.846Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {

```

```

        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:30:08Z"
    }
  ]
}
2026-01-16T09:27:19.964Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:27:19.971Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:30:39Z"
    }
  ]
}
2026-01-16T09:27:51.098Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:27:51.105Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:31:11Z"
    }
  ]
}
2026-01-16T09:28:22.242Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

```

```

    ]
  }
  2026-01-16T09:28:22.247Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "649744595",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T09:31:42Z"
      }
    ]
  }
  2026-01-16T09:28:53.382Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "649744595",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
  2026-01-16T09:28:53.388Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "649744595",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T09:32:13Z"
      }
    ]
  }
  2026-01-16T09:29:24.523Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "649744595",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
  2026-01-16T09:29:24.529Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "649744595",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T09:32:44Z"
      }
    ]
  }
}

```

```

2026-01-16T09:29:55.660Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:29:55.665Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:33:15Z"
    }
  ]
}
2026-01-16T09:30:26.799Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:30:26.805Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:33:46Z"
    }
  ]
}
2026-01-16T09:30:57.940Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:30:57.946Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",

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    "grantId": "649744595",
    "response": {
      "responseCode": 0
    },
    "transmitExpireTime": "2026-01-16T09:34:17Z"
  }
]
}
2026-01-16T09:31:29.073Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:31:29.079Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:34:49Z"
    }
  ]
}
2026-01-16T09:32:00.207Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:32:00.213Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:35:20Z"
    }
  ]
}
2026-01-16T09:32:31.335Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,

```

```

    "operationState": "AUTHORIZED"
  }
]
}
2026-01-16T09:32:31.342Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:35:51Z"
    }
  ]
}
2026-01-16T09:33:02.470Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:33:02.476Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:36:22Z"
    }
  ]
}
2026-01-16T09:33:33.615Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:33:33.621Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:36:53Z"
    }
  ]
}

```

```
]
}
2026-01-16T09:34:04.753Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:34:04.759Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:37:24Z"
    }
  ]
}
2026-01-16T09:34:35.887Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:34:35.894Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:37:55Z"
    }
  ]
}
2026-01-16T09:35:07.032Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:35:07.039Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
```



```

        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "649744595",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T09:38:27Z"
        }
    ]
}
2026-01-16T09:35:38.131Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "649744595",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T09:35:38.137Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "649744595",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T09:38:58Z"
        }
    ]
}
2026-01-16T09:36:09.275Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "649744595",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T09:36:09.280Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "649744595",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T09:39:29Z"
        }
    ]
}
2026-01-16T09:36:40.414Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",

```

```

        "grantId": "649744595",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
    }
]
}
2026-01-16T09:36:40.421Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "649744595",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T09:40:00Z"
        }
    ]
}
2026-01-16T09:37:11.548Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "649744595",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T09:37:11.553Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "649744595",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T09:40:31Z"
        }
    ]
}
2026-01-16T09:37:42.688Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "649744595",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T09:37:42.694Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "649744595",
            "response": {
                "responseCode": 0
            },

```

```

    "transmitExpireTime": "2026-01-16T09:41:02Z"
  }
]
}
2026-01-16T09:38:13.825Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:38:13.834Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:41:33Z"
    }
  ]
}
2026-01-16T09:38:44.964Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:38:44.973Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:42:04Z"
    }
  ]
}
2026-01-16T09:39:16.086Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

```

```

2026-01-16T09:39:16.092Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:42:36Z"
    }
  ]
}
2026-01-16T09:39:47.221Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:39:47.230Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:43:07Z"
    }
  ]
}
2026-01-16T09:40:18.323Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:40:18.332Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:43:38Z"
    }
  ]
}
2026-01-16T09:40:49.461Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [

```

```

    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:40:49.467Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:44:09Z"
    }
  ]
}
2026-01-16T09:41:20.605Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:41:20.611Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:44:40Z"
    }
  ]
}
2026-01-16T09:41:51.704Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:41:51.710Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {

```

```

        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:45:11Z"
    }
  ]
}
2026-01-16T09:42:22.799Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:42:22.808Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:45:42Z"
    }
  ]
}
2026-01-16T09:42:53.927Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:42:53.933Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:46:13Z"
    }
  ]
}
2026-01-16T09:43:25.094Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

```

```
]
}
2026-01-16T09:43:25.099Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "649744595",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:46:45Z"
    }
  ]
}
```

8.2.2 WINNF.PT.C.HBT.1(MAX EIRP = 15 DBM/MHZ)

2026-01-16T08:26:59.124Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-16T08:26:59.125Z - INFO - Selected spectrum frequency is {'lowFrequency': 3630000000L, 'highFrequency': 3670000000L}

2026-01-16T08:26:59.125Z - INFO - Granted Spectrum Max Eirp = 15dBm/MHz

2026-01-16T08:26:59.125Z - INFO - the selected test from the user : PowerMeasTest is starting now

2026-01-16T08:45:00.196Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "grantId": "305363656",
    "grantRenew": true,
    "operationState": "GRANTED"
  }
]
```

}
2026-01-16T08:45:00.196Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber : LBNKIASRC230172208.NR

2026-01-16T08:45:31.244Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "grantId": "305363656",
    "grantRenew": true,
    "operationState": "GRANTED"
  }
]
```

}
2026-01-16T08:45:31.244Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber : LBNKIASRC230172208.NR

2026-01-16T08:46:02.371Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "grantId": "305363656",
    "grantRenew": true,
    "operationState": "GRANTED"
  }
]
```

}
2026-01-16T08:46:02.371Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber : LBNKIASRC230172208.NR

2026-01-16T08:47:09.612Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "grantId": "305363656",
    "grantRenew": true,
    "operationState": "GRANTED"
  }
]
```

}
2026-01-16T08:47:09.612Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber : LBNKIASRC230172208.NR

2026-01-16T08:47:40.755Z - INFO - heartbeat request from CBRS : {


```

    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "305363656",
        "grantRenew": true,
        "operationState": "GRANTED"
      }
    ]
  }
}
2026-01-16T08:47:40.755Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T08:48:47.963Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
}
2026-01-16T08:48:47.963Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T08:49:19.092Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
}
2026-01-16T08:49:19.092Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T08:50:26.345Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
}
2026-01-16T08:50:26.345Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T08:50:57.471Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
}
}
2026-01-16T08:50:57.471Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :

```

LBNKIASRC230172208.NR

2026-01-16T08:52:04.710Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "grantId": "305363656",
    "grantRenew": true,
    "operationState": "GRANTED"
  }
]
```

2026-01-16T08:52:04.710Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR

2026-01-16T08:52:35.821Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "grantId": "305363656",
    "grantRenew": true,
    "operationState": "GRANTED"
  }
]
```

2026-01-16T08:52:35.821Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR

2026-01-16T08:52:41.775Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-16T08:52:41.805Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-16T08:52:43.930Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
```

```
{
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "inquiredSpectrum": [
    {
      "highFrequency": 3640000000,
      "lowFrequency": 3630000000
    },
    {
      "highFrequency": 3650000000,
      "lowFrequency": 3640000000
    },
    {
      "highFrequency": 3660000000,
      "lowFrequency": 3650000000
    },
    {
      "highFrequency": 3670000000,
      "lowFrequency": 3660000000
    }
  ],
  "measReport": {
    "rcvdPowerMeasReports": [
      {
        "measBandwidth": 10000000,
        "measFrequency": 3550000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3560000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3570000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3580000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3590000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3600000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3610000000,
        "measRcvdPower": -99
      }
    ]
  }
}
```

```

    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
}

```

```

}
2026-01-16T08:52:43.930Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-16T08:52:43.930Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-16T08:52:43.947Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-16T08:52:43.947Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-16T08:52:43.947Z - INFO - engine sent successfully, the response to CBRS  : {
    "spectrumInquiryResponse": [
        {
            "availableChannel": [
                {
                    "channelType": "GAA",

```

```

        "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
        },
        "maxEirp": 15,
        "ruleApplied": "FCC_PART_96"
    },
    {
        "channelType": "GAA",
        "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
        },
        "maxEirp": 15,
        "ruleApplied": "FCC_PART_96"
    },
    {
        "channelType": "GAA",
        "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
        },
        "maxEirp": 15,
        "ruleApplied": "FCC_PART_96"
    },
    {
        "channelType": "GAA",
        "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
        },
        "maxEirp": 15,
        "ruleApplied": "FCC_PART_96"
    }
],
"cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
"response": {
    "responseCode": 0
}
}
]
}
2026-01-16T08:52:45.211Z - INFO - grant request from CBRS : {
    "grantRequest": [
        {
            "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "measReport": {
                "rcvdPowerMeasReports": [
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3550000000,
                        "measRcvdPower": -99
                    },
                    {
                        "measBandwidth": 10000000,
                        "measFrequency": 3560000000,
                        "measRcvdPower": -99
                    }
                ]
            }
        }
    ]
}

```

```
{
  "measBandwidth": 10000000,
  "measFrequency": 3570000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3580000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3590000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3600000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3610000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3620000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3630000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3640000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3650000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3660000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3670000000,
  "measRcvdPower": -99
},
{
  "measBandwidth": 10000000,
  "measFrequency": 3680000000,
```

```

        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3690000000,
        "measRcvdPower": -99
      }
    ]
  },
  "operationParam": {
    "maxEirp": 15.0,
    "operationFrequencyRange": {
      "highFrequency": 3670000000,
      "lowFrequency": 3630000000
    }
  }
}
]
}
2026-01-16T08:52:45.211Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-23T08:52:45Z",
      "grantId": "456825811",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-16T08:52:45.900Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T08:52:45.915Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:56:05Z"
    }
  ]
}
2026-01-16T08:53:17.073Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {

```

```

        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "456825811",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
    }
]
}
2026-01-16T08:53:17.073Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:56:37Z"
        }
    ]
}
2026-01-16T08:53:43.184Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "grantRenew": true,
            "operationState": "GRANTED"
        }
    ]
}
2026-01-16T08:53:43.184Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T08:53:48.246Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T08:53:48.246Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:57:08Z"
        }
    ]
}
2026-01-16T08:54:14.342Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",

```



```

    "grantRenew": true,
    "operationState": "GRANTED"
  }
]
}
2026-01-16T08:54:14.342Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T08:54:19.358Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:54:19.374Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:57:39Z"
    }
  ]
}
2026-01-16T08:54:50.484Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:54:50.500Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:58:10Z"
    }
  ]
}
2026-01-16T08:55:21.611Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}

```

```

    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:55:21.611Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T08:55:52.733Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    },
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:55:52.733Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T08:56:23.892Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:56:23.907Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:59:43Z"
    }
  ]
}
2026-01-16T08:56:55.019Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

```

```

    }
  ]
}
2026-01-16T08:56:55.019Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:00:15Z"
    }
  ]
}
2026-01-16T08:57:00.065Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T08:57:00.065Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T08:57:26.194Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:57:26.210Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:00:46Z"
    }
  ]
}
2026-01-16T08:57:31.226Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}

```

```

}
2026-01-16T08:57:31.226Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T08:57:57.338Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:57:57.338Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:01:17Z"
    }
  ]
}
2026-01-16T08:58:28.434Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:58:28.434Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:01:48Z"
    }
  ]
}
2026-01-16T08:58:38.466Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T08:58:38.466Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :

```

LBNKIASRC230172208.NR

2026-01-16T08:58:59.561Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [  
  {  
    "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "456825811",  
    "grantRenew": false,  
    "operationState": "AUTHORIZED"  
  }  
]
```

}
2026-01-16T08:58:59.561Z - INFO - engine sent successfully, the response to CBRS : {

```
"heartbeatResponse": [  
  {  
    "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "456825811",  
    "response": {  
      "responseCode": 0  
    },  
    "transmitExpireTime": "2026-01-16T09:02:19Z"  
  }  
]
```

}
2026-01-16T08:59:09.625Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [  
  {  
    "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",  
    "grantId": "305363656",  
    "grantRenew": true,  
    "operationState": "GRANTED"  
  }  
]
```

}
2026-01-16T08:59:09.625Z - INFO - ERROR - there is no cbrc obj registered with the cbstdSerialNumber :

LBNKIASRC230172208.NR

2026-01-16T08:59:30.706Z - INFO - heartbeat request from CBRS : {

```
"heartbeatRequest": [  
  {  
    "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "456825811",  
    "grantRenew": false,  
    "operationState": "AUTHORIZED"  
  }  
]
```

}
2026-01-16T08:59:30.720Z - INFO - engine sent successfully, the response to CBRS : {

```
"heartbeatResponse": [  
  {  
    "cbstdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",  
    "grantId": "456825811",  
    "response": {  
      "responseCode": 0  
    },  
    "transmitExpireTime": "2026-01-16T09:02:50Z"  
  }  
]
```

}
2026-01-16T09:00:01.849Z - INFO - heartbeat request from CBRS : {

```

    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "456825811",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
}
2026-01-16T09:00:01.849Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:03:21Z"
    }
  ]
}
}
2026-01-16T09:00:16.960Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
}
2026-01-16T09:00:16.960Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:00:33.007Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T09:00:33.023Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:03:53Z"
    }
  ]
}
}
2026-01-16T09:00:48.071Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {

```

```

    "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "grantId": "305363656",
    "grantRenew": true,
    "operationState": "GRANTED"
  }
]
}
2026-01-16T09:00:48.071Z - INFO - ERROR - there is no cbid obj registered with the cbidSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:01:04.165Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:01:04.165Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:04:24Z"
    }
  ]
}
2026-01-16T09:01:35.293Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:01:35.309Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:04:55Z"
    }
  ]
}
2026-01-16T09:01:55.380Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",

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        "grantRenew": true,
        "operationState": "GRANTED"
    }
]
}
2026-01-16T09:01:55.380Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:02:06.427Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T09:02:06.443Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T09:05:26Z"
        }
    ]
}
2026-01-16T09:02:26.490Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "grantRenew": true,
            "operationState": "GRANTED"
        }
    ]
}
2026-01-16T09:02:26.490Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:02:37.569Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T09:02:37.569Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "response": {
                "responseCode": 0
            }
        }
    ]
}

```



```

    },
    "transmitExpireTime": "2026-01-16T09:05:57Z"
  }
]
}
2026-01-16T09:03:08.713Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:03:08.713Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:06:28Z"
    }
  ]
}
2026-01-16T09:03:33.793Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T09:03:33.793Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:03:39.842Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:03:39.858Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:06:59Z"
    }
  ]
}

```

```

    }
  ]
}
2026-01-16T09:04:04.953Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T09:04:04.953Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:04:10.986Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:04:10.986Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:07:30Z"
    }
  ]
}
2026-01-16T09:04:42.111Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:04:42.128Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:08:02Z"
    }
  ]
}

```

```

}
2026-01-16T09:05:12.240Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T09:05:12.240Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:05:13.255Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:05:13.255Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:08:33Z"
    }
  ]
}
2026-01-16T09:05:43.415Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T09:05:43.415Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:05:44.430Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:05:44.430Z - INFO - engine sent successfully, the response to CBRS : {

```

```

    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "456825811",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T09:09:04Z"
      }
    ]
  }
}
2026-01-16T09:06:15.559Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T09:06:15.575Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:09:35Z"
    }
  ]
}
}
2026-01-16T09:06:46.701Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T09:06:46.701Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:10:06Z"
    }
  ]
}
}
2026-01-16T09:06:50.717Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {

```

```
"cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
"grantId": "305363656",
"grantRenew": true,
"operationState": "GRANTED"
}
]
}
2026-01-16T09:06:50.717Z - INFO - ERROR - there is no cbid obj registered with the cbidSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:07:17.829Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T09:07:17.845Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:10:37Z"
    }
  ]
}
}
2026-01-16T09:07:21.877Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
}
2026-01-16T09:07:21.877Z - INFO - ERROR - there is no cbid obj registered with the cbidSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:07:48.973Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T09:07:48.973Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
```

```

        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T09:11:08Z"
    }
}
2026-01-16T09:08:20.101Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T09:08:20.101Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T09:11:40Z"
        }
    ]
}
2026-01-16T09:08:29.164Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "grantRenew": true,
            "operationState": "GRANTED"
        }
    ]
}
2026-01-16T09:08:29.164Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:08:51.259Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T09:08:51.259Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "456825811",
            "response": {
                "responseCode": 0
            }
        }
    ]
}

```

```

    },
    "transmitExpireTime": "2026-01-16T09:12:11Z"
  }
]
}
2026-01-16T09:09:00.338Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T09:09:00.338Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:09:22.418Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T09:09:22.434Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:12:42Z"
    }
  ]
}
}
2026-01-16T09:09:53.548Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T09:09:53.548Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:13:13Z"
    }
  ]
}

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```

    }
  ]
}
2026-01-16T09:10:07.642Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T09:10:07.642Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:10:24.721Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T09:10:24.736Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:13:44Z"
    }
  ]
}
}
2026-01-16T09:10:38.801Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
}
2026-01-16T09:10:38.801Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:10:55.894Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
]

```



```

}
2026-01-16T09:10:55.911Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:14:15Z"
    }
  ]
}
2026-01-16T09:11:27.023Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:11:27.023Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:14:47Z"
    }
  ]
}
2026-01-16T09:11:46.105Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T09:11:46.105Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:11:58.138Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T09:11:58.153Z - INFO - engine sent successfully, the response to CBRS : {

```

```

    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "456825811",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T09:15:18Z"
      }
    ]
  }
}
2026-01-16T09:12:17.217Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": true,
      "operationState": "GRANTED"
    }
  ]
}
}
2026-01-16T09:12:17.217Z - INFO - ERROR - there is no cbrs obj registered with the cbsdSerialNumber :
LBNKIASRC230172208.NR
2026-01-16T09:12:29.270Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T09:12:29.270Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "456825811",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T09:15:49Z"
    }
  ]
}
}

```

8.2.3 WINNF.PT.C.HBT.1(MAX EIRP = 20 DBM/MHZ)

2026-01-16T07:33:35.556Z - INFO - WINNF TEST HARNESS RELEASE: 1.0.0.3 - 2018-November-13

2026-01-16T07:33:35.558Z - INFO - Selected spectrum frequency is {'lowFrequency': 3630000000L, 'highFrequency': 3670000000L}

2026-01-16T07:33:35.559Z - INFO - Granted Spectrum Max Eirp = 20dBm/MHz

2026-01-16T07:33:35.559Z - INFO - the selected test from the user : PowerMeasTest is starting now

2026-01-16T07:40:37.739Z - INFO - registration request from CBRS : {

```
"registrationRequest": [
  {
    "airInterface": {
      "radioTechnology": "NR"
    },
    "cbsdCategory": "A",
    "cbsdInfo": {
      "model": "INDOOR",
      "softwareVersion": "IndoorV1",
      "vendor": "Kolibri-Indoor"
    },
    "cbsdSerialNumber": "LBNKIASRC230170825.NR",
    "fccId": "2ASK5AIOID5GSC03",
    "measCapability": [
      "RECEIVED_POWER_WITHOUT_GRANT"
    ],
    "userId": "nokia"
  }
]
```

2026-01-16T07:40:37.763Z - INFO - engine sent successfully, the response to CBRS : {

```
"registrationResponse": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "response": {
      "responseCode": 0
    }
  }
]
```

2026-01-16T07:40:39.874Z - INFO - spectrumInquiry request from CBRS : {

```
"spectrumInquiryRequest": [
  {
    "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
    "inquiredSpectrum": [
      {
        "highFrequency": 3640000000,
        "lowFrequency": 3630000000
      },
      {
        "highFrequency": 3650000000,
        "lowFrequency": 3640000000
      },
      {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      }
    ]
  }
]
```

```
        "highFrequency": 3670000000,  
        "lowFrequency": 3660000000  
    },  
],  
"measReport": {  
    "rcvdPowerMeasReports": [  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3550000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3560000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3570000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3580000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3590000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3600000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3610000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3620000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3630000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3640000000,  
            "measRcvdPower": -99  
        },  
        {  
            "measBandwidth": 10000000,  
            "measFrequency": 3650000000,  
            "measRcvdPower": -99  
        }  
    ]  
}
```

```

2026-01-16T07:40:39.881Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-16T07:40:39.882Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-16T07:40:39.884Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-16T07:40:39.884Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code is 0
2026-01-16T07:40:39.884Z - INFO - engine sent successfully, the response to CBRS  : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "maxEirp": 20,
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "maxEirp": 20,
          "ruleApplied": "FCC_PART_96"
        }
      ]
    }
  ]
}

```

```

    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3660000000,
        "lowFrequency": 3650000000
      },
      "maxEirp": 20,
      "ruleApplied": "FCC_PART_96"
    },
    {
      "channelType": "GAA",
      "frequencyRange": {
        "highFrequency": 3670000000,
        "lowFrequency": 3660000000
      },
      "maxEirp": 20,
      "ruleApplied": "FCC_PART_96"
    }
  ],
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
  "response": {
    "responseCode": 0
  }
}

]
}

2026-01-16T07:40:41.092Z - INFO - grant request from CBRS : {
  "grantRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3590000000,
            "measRcvdPower": -99
          }
        ]
      }
    }
  ]
}

```

```

    "measBandwidth": 10000000,
    "measFrequency": 3600000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3610000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
]
},
"operationParam": {
  "maxEirp": 20.0,
  "operationFrequencyRange": {
    "highFrequency": 3670000000,
    "lowFrequency": 3630000000
  }
}
}

```

```

    }
  ]
}
2026-01-16T07:40:41.099Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-23T07:40:41Z",
      "grantId": "755842423",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-16T07:40:42.335Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
2026-01-16T07:40:42.342Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:44:02Z"
    }
  ]
}
2026-01-16T07:40:47.683Z - INFO - registration request from CBRS : {
  "registrationRequest": [
    {
      "airInterface": {
        "radioTechnology": "NR"
      },
      "cbsdCategory": "A",
      "cbsdInfo": {
        "model": "INDOOR",
        "softwareVersion": "IndoorV1",
        "vendor": "Kolibri-Indoor"
      },
      "cbsdSerialNumber": "LBNKIASRC230172208.NR",
      "fccId": "2ASK5AIOID5GSC03",
      "measCapability": [
        "RECEIVED_POWER_WITHOUT_GRANT"
      ],
      "userId": "nokia"
    }
  ]
}

```



```
]
}
2026-01-16T07:40:47.707Z - INFO - engine sent successfully, the response to CBRS : {
  "registrationResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-16T07:40:49.926Z - INFO - spectrumInquiry request from CBRS : {
  "spectrumInquiryRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "inquiredSpectrum": [
        {
          "highFrequency": 3640000000,
          "lowFrequency": 3630000000
        },
        {
          "highFrequency": 3650000000,
          "lowFrequency": 3640000000
        },
        {
          "highFrequency": 3660000000,
          "lowFrequency": 3650000000
        },
        {
          "highFrequency": 3670000000,
          "lowFrequency": 3660000000
        }
      ],
      "measReport": {
        "rcvdPowerMeasReports": [
          {
            "measBandwidth": 10000000,
            "measFrequency": 3550000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3560000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3570000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
            "measFrequency": 3580000000,
            "measRcvdPower": -99
          },
          {
            "measBandwidth": 10000000,
```

```

    "measFrequency": 3590000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3600000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3610000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3620000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3630000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3640000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3650000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3660000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3670000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3680000000,
    "measRcvdPower": -99
  },
  {
    "measBandwidth": 10000000,
    "measFrequency": 3690000000,
    "measRcvdPower": -99
  }
]
}

```

```

2026-01-16T07:40:49.936Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-16T07:40:49.937Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-16T07:40:49.940Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-16T07:40:49.940Z - INFO - The requested spectrum is in the range, SpectrumInquiry response code
is 0
2026-01-16T07:40:49.941Z - INFO - engine sent successfully, the response to CBRS  : {
  "spectrumInquiryResponse": [
    {
      "availableChannel": [
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3640000000,
            "lowFrequency": 3630000000
          },
          "maxEirp": 20,
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3650000000,
            "lowFrequency": 3640000000
          },
          "maxEirp": 20,
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3660000000,
            "lowFrequency": 3650000000
          },
          "maxEirp": 20,
          "ruleApplied": "FCC_PART_96"
        },
        {
          "channelType": "GAA",
          "frequencyRange": {
            "highFrequency": 3670000000,
            "lowFrequency": 3660000000
          },
          "maxEirp": 20,
          "ruleApplied": "FCC_PART_96"
        }
      ],
      "cbsId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "response": {
        "responseCode": 0
      }
    }
  ]
}
2026-01-16T07:40:51.151Z - INFO - grant request from CBRS  : {
  "grantRequest": [

```

```
{
  "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
  "measReport": {
    "rcvdPowerMeasReports": [
      {
        "measBandwidth": 10000000,
        "measFrequency": 3550000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3560000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3570000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3580000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3590000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3600000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3610000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3620000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3630000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3640000000,
        "measRcvdPower": -99
      },
      {
        "measBandwidth": 10000000,
        "measFrequency": 3650000000,
        "measRcvdPower": -99
      }
    ]
  }
}
```

```

    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3660000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3670000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3680000000,
      "measRcvdPower": -99
    },
    {
      "measBandwidth": 10000000,
      "measFrequency": 3690000000,
      "measRcvdPower": -99
    }
  ]
},
"operationParam": {
  "maxEirp": 20.0,
  "operationFrequencyRange": {
    "highFrequency": 3670000000,
    "lowFrequency": 3630000000
  }
}
}
]
}
}
2026-01-16T07:40:51.157Z - INFO - engine sent successfully, the response to CBRS : {
  "grantResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "channelType": "GAA",
      "grantExpireTime": "2026-01-23T07:40:51Z",
      "grantId": "305363656",
      "heartbeatInterval": 60,
      "response": {
        "responseCode": 0
      }
    }
  ]
}
}
2026-01-16T07:40:52.463Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "GRANTED"
    }
  ]
}
}
2026-01-16T07:40:52.470Z - INFO - engine sent successfully, the response to CBRS : {

```

```

    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "305363656",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T07:44:12Z"
      }
    ]
  }
}
2026-01-16T07:41:13.496Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:41:13.502Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:44:33Z"
    }
  ]
}
}
2026-01-16T07:41:23.576Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:41:23.582Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:44:43Z"
    }
  ]
}
}
2026-01-16T07:41:44.655Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {

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        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
    }
]
}
2026-01-16T07:41:44.663Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T07:45:04Z"
        }
    ]
}
2026-01-16T07:41:54.720Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T07:41:54.726Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T07:45:14Z"
        }
    ]
}
2026-01-16T07:42:15.786Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T07:42:15.792Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            }
        }
    ]
}

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    },
    "transmitExpireTime": "2026-01-16T07:45:35Z"
  }
]
}
2026-01-16T07:42:25.849Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:42:25.857Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:45:45Z"
    }
  ]
}
2026-01-16T07:42:46.957Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:42:46.964Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:46:06Z"
    }
  ]
}
2026-01-16T07:42:57.032Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

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}
2026-01-16T07:42:57.038Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:46:17Z"
    }
  ]
}
2026-01-16T07:43:18.125Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:43:18.131Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:46:38Z"
    }
  ]
}
2026-01-16T07:43:28.190Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:43:28.196Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:46:48Z"
    }
  ]
}
2026-01-16T07:43:49.293Z - INFO - heartbeat request from CBRS : {

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    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
}
2026-01-16T07:43:49.301Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:47:09Z"
    }
  ]
}
}
2026-01-16T07:43:59.341Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:43:59.346Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:47:19Z"
    }
  ]
}
}
2026-01-16T07:44:20.410Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:44:20.415Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",

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        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T07:47:40Z"
    }
}
2026-01-16T07:44:30.479Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T07:44:30.484Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T07:47:50Z"
        }
    ]
}
2026-01-16T07:44:51.575Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T07:44:51.582Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T07:48:11Z"
        }
    ]
}
2026-01-16T07:45:01.622Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}

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    }
  ]
}
2026-01-16T07:45:01.628Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:48:21Z"
    }
  ]
}
2026-01-16T07:45:22.703Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:45:22.710Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:48:42Z"
    }
  ]
}
2026-01-16T07:45:32.763Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:45:32.769Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:48:52Z"
    }
  ]
}

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}
2026-01-16T07:45:53.865Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:45:53.874Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:49:13Z"
    }
  ]
}
2026-01-16T07:46:03.905Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:46:03.913Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:49:23Z"
    }
  ]
}
2026-01-16T07:46:24.980Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:46:24.989Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {

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        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T07:49:44Z"
    }
}
2026-01-16T07:46:35.049Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T07:46:35.056Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T07:49:55Z"
        }
    ]
}
2026-01-16T07:46:56.144Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T07:46:56.151Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T07:50:16Z"
        }
    ]
}
2026-01-16T07:47:06.178Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",

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    "grantRenew": false,
    "operationState": "AUTHORIZED"
  }
]
}
2026-01-16T07:47:06.184Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:50:26Z"
    }
  ]
}
2026-01-16T07:47:27.263Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:47:27.269Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:50:47Z"
    }
  ]
}
2026-01-16T07:47:37.365Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:47:37.375Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:50:57Z"
    }
  ]
}

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    }
  ]
}
2026-01-16T07:47:58.451Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:47:58.459Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:51:18Z"
    }
  ]
}
2026-01-16T07:48:08.490Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:48:08.496Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:51:28Z"
    }
  ]
}
2026-01-16T07:48:29.571Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:48:29.576Z - INFO - engine sent successfully, the response to CBRS : {

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    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T07:51:49Z"
      }
    ]
  }
}
2026-01-16T07:48:39.630Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:48:39.635Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:51:59Z"
    }
  ]
}
}
2026-01-16T07:49:00.733Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:49:00.737Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:52:20Z"
    }
  ]
}
}
2026-01-16T07:49:10.779Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {

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        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "305363656",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
2026-01-16T07:49:10.783Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:52:30Z"
    }
  ]
}
2026-01-16T07:49:31.854Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:49:31.858Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:52:51Z"
    }
  ]
}
2026-01-16T07:49:41.914Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:49:41.921Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:52:51Z"
    }
  ]
}

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    },
    "transmitExpireTime": "2026-01-16T07:53:01Z"
  }
]
}
2026-01-16T07:50:03.020Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:50:03.029Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:53:23Z"
    }
  ]
}
2026-01-16T07:50:13.058Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:50:13.073Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:53:33Z"
    }
  ]
}
2026-01-16T07:50:34.132Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

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}
2026-01-16T07:50:34.138Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:53:54Z"
    }
  ]
}
2026-01-16T07:50:44.200Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:50:44.207Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:54:04Z"
    }
  ]
}
2026-01-16T07:51:05.302Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:51:05.306Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:54:25Z"
    }
  ]
}
2026-01-16T07:51:15.394Z - INFO - heartbeat request from CBRS : {
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    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "305363656",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
}
2026-01-16T07:51:15.401Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:54:35Z"
    }
  ]
}
}
2026-01-16T07:51:36.464Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:51:36.470Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:54:56Z"
    }
  ]
}
}
2026-01-16T07:51:46.540Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:51:46.546Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",

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    "response": {
      "responseCode": 0
    },
    "transmitExpireTime": "2026-01-16T07:55:06Z"
  }
]
}
2026-01-16T07:52:07.624Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:52:07.630Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:55:27Z"
    }
  ]
}
2026-01-16T07:52:17.678Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:52:17.684Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:55:37Z"
    }
  ]
}
2026-01-16T07:52:38.789Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

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    }
  ]
}
2026-01-16T07:52:38.796Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:55:58Z"
    }
  ]
}
2026-01-16T07:52:48.822Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:52:48.828Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:56:08Z"
    }
  ]
}
2026-01-16T07:53:09.934Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:53:09.938Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:56:29Z"
    }
  ]
}

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}
2026-01-16T07:53:20.016Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:53:20.023Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:56:40Z"
    }
  ]
}
2026-01-16T07:53:41.095Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:53:41.101Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:57:01Z"
    }
  ]
}
2026-01-16T07:53:51.153Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:53:51.157Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {

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    "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
    "grantId": "305363656",
    "response": {
      "responseCode": 0
    },
    "transmitExpireTime": "2026-01-16T07:57:11Z"
  }
]
}
2026-01-16T07:54:12.262Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:54:12.267Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:57:32Z"
    }
  ]
}
2026-01-16T07:54:22.293Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:54:22.299Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:57:42Z"
    }
  ]
}
2026-01-16T07:54:43.377Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbid": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",

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    "grantRenew": false,
    "operationState": "AUTHORIZED"
  }
]
}
2026-01-16T07:54:43.382Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:58:03Z"
    }
  ]
}
2026-01-16T07:54:53.430Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:54:53.437Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:58:13Z"
    }
  ]
}
2026-01-16T07:55:14.539Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:55:14.546Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:58:34Z"
    }
  ]
}

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    }
  ]
}
2026-01-16T07:55:24.625Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:55:24.630Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:58:44Z"
    }
  ]
}
2026-01-16T07:55:45.703Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:55:45.710Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:59:05Z"
    }
  ]
}
2026-01-16T07:55:55.759Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:55:55.766Z - INFO - engine sent successfully, the response to CBRS : {

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    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
        "grantId": "305363656",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T07:59:15Z"
      }
    ]
  }
}
2026-01-16T07:56:16.825Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:56:16.831Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:59:36Z"
    }
  ]
}
}
2026-01-16T07:56:26.854Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:56:26.859Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T07:59:46Z"
    }
  ]
}
}
2026-01-16T07:56:47.959Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {

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        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
    }
]
}
2026-01-16T07:56:47.964Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:00:07Z"
        }
    ]
}
2026-01-16T07:56:58.019Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T07:56:58.026Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:00:18Z"
        }
    ]
}
2026-01-16T07:57:19.117Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T07:57:19.121Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            }
        }
    ]
}

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    },
    "transmitExpireTime": "2026-01-16T08:00:39Z"
  }
]
}
2026-01-16T07:57:29.207Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:57:29.213Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:00:49Z"
    }
  ]
}
2026-01-16T07:57:50.283Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:57:50.289Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:01:10Z"
    }
  ]
}
2026-01-16T07:58:00.345Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

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}
2026-01-16T07:58:00.349Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:01:20Z"
    }
  ]
}
2026-01-16T07:58:21.444Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:58:21.450Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:01:41Z"
    }
  ]
}
2026-01-16T07:58:31.476Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T07:58:31.483Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:01:51Z"
    }
  ]
}
2026-01-16T07:58:52.555Z - INFO - heartbeat request from CBRS : {
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    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
}
2026-01-16T07:58:52.562Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:02:12Z"
    }
  ]
}
}
2026-01-16T07:59:02.615Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:59:02.625Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:02:22Z"
    }
  ]
}
}
2026-01-16T07:59:23.717Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T07:59:23.726Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",

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        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T08:02:43Z"
    }
}
2026-01-16T07:59:33.762Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T07:59:33.769Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:02:53Z"
        }
    ]
}
2026-01-16T07:59:54.834Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T07:59:54.839Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:03:14Z"
        }
    ]
}
2026-01-16T08:00:04.907Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
            "grantId": "305363656",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}

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    }
  ]
}
2026-01-16T08:00:04.914Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230172208.NR",
      "grantId": "305363656",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:03:24Z"
    }
  ]
}
2026-01-16T08:00:25.973Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:00:25.982Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:03:45Z"
    }
  ]
}
2026-01-16T08:00:57.119Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:00:57.125Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:04:17Z"
    }
  ]
}

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}
2026-01-16T08:01:28.260Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:01:28.267Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:04:48Z"
    }
  ]
}
2026-01-16T08:01:59.404Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:01:59.414Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:05:19Z"
    }
  ]
}
2026-01-16T08:02:30.546Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:02:30.552Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
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        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T08:05:50Z"
    }
}
2026-01-16T08:03:01.676Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T08:03:01.681Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:06:21Z"
        }
    ]
}
2026-01-16T08:03:32.809Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T08:03:32.815Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:06:52Z"
        }
    ]
}
2026-01-16T08:04:03.946Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",

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    "grantRenew": false,
    "operationState": "AUTHORIZED"
  }
]
}
2026-01-16T08:04:03.951Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:07:23Z"
    }
  ]
}
2026-01-16T08:04:35.085Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:04:35.091Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:07:55Z"
    }
  ]
}
2026-01-16T08:05:06.220Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:05:06.224Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:08:26Z"
    }
  ]
}

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    }
  ]
}
2026-01-16T08:05:37.325Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:05:37.331Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:08:57Z"
    }
  ]
}
2026-01-16T08:06:08.457Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:06:08.463Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:09:28Z"
    }
  ]
}
2026-01-16T08:06:39.592Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:06:39.596Z - INFO - engine sent successfully, the response to CBRS : {

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    "heartbeatResponse": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "response": {
          "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T08:09:59Z"
      }
    ]
  }
}
2026-01-16T08:07:10.726Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T08:07:10.733Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:10:30Z"
    }
  ]
}
}
2026-01-16T08:07:41.864Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T08:07:41.871Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:11:01Z"
    }
  ]
}
}
2026-01-16T08:08:12.971Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {

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        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
    }
]
}
2026-01-16T08:08:12.976Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:11:32Z"
        }
    ]
}
2026-01-16T08:08:44.104Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T08:08:44.109Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:12:04Z"
        }
    ]
}
2026-01-16T08:09:15.244Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T08:09:15.250Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            }
        }
    ]
}

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    },
    "transmitExpireTime": "2026-01-16T08:12:35Z"
  }
]
}
2026-01-16T08:09:46.382Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:09:46.390Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:13:06Z"
    }
  ]
}
2026-01-16T08:10:17.517Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:10:17.525Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:13:37Z"
    }
  ]
}
2026-01-16T08:10:48.657Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

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}
2026-01-16T08:10:48.663Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:14:08Z"
    }
  ]
}
2026-01-16T08:11:19.801Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:11:19.805Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:14:39Z"
    }
  ]
}
2026-01-16T08:11:50.900Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:11:50.907Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:15:10Z"
    }
  ]
}
2026-01-16T08:12:22.040Z - INFO - heartbeat request from CBRS : {

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    "heartbeatRequest": [
      {
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "grantRenew": false,
        "operationState": "AUTHORIZED"
      }
    ]
  }
}
2026-01-16T08:12:22.046Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:15:42Z"
    }
  ]
}
}
2026-01-16T08:12:53.178Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T08:12:53.184Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:16:13Z"
    }
  ]
}
}
2026-01-16T08:13:24.312Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
}
2026-01-16T08:13:24.319Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",

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    "response": {
      "responseCode": 0
    },
    "transmitExpireTime": "2026-01-16T08:16:44Z"
  }
]
}
2026-01-16T08:13:55.454Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:13:55.460Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:17:15Z"
    }
  ]
}
2026-01-16T08:14:26.549Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:14:26.555Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:17:46Z"
    }
  ]
}
2026-01-16T08:14:57.687Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}

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    }
  ]
}
2026-01-16T08:14:57.694Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:18:17Z"
    }
  ]
}
2026-01-16T08:15:28.812Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:15:28.819Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:18:48Z"
    }
  ]
}
2026-01-16T08:15:59.944Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:15:59.948Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:19:19Z"
    }
  ]
}

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}
2026-01-16T08:16:31.055Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:16:31.061Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:19:51Z"
    }
  ]
}
2026-01-16T08:17:02.165Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:17:02.171Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "response": {
        "responseCode": 0
      },
      "transmitExpireTime": "2026-01-16T08:20:22Z"
    }
  ]
}
2026-01-16T08:17:33.278Z - INFO - heartbeat request from CBRS : {
  "heartbeatRequest": [
    {
      "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
      "grantId": "755842423",
      "grantRenew": false,
      "operationState": "AUTHORIZED"
    }
  ]
}
2026-01-16T08:17:33.283Z - INFO - engine sent successfully, the response to CBRS : {
  "heartbeatResponse": [
    {

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```
        "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
        "grantId": "755842423",
        "response": {
            "responseCode": 0
        },
        "transmitExpireTime": "2026-01-16T08:20:53Z"
    }
]
}
2026-01-16T08:18:04.394Z - INFO - heartbeat request from CBRS : {
    "heartbeatRequest": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "grantRenew": false,
            "operationState": "AUTHORIZED"
        }
    ]
}
2026-01-16T08:18:04.401Z - INFO - engine sent successfully, the response to CBRS : {
    "heartbeatResponse": [
        {
            "cbsdId": "2ASK5AIOID5GSC03Mock-SASLBNKIASRC230170825.NR",
            "grantId": "755842423",
            "response": {
                "responseCode": 0
            },
            "transmitExpireTime": "2026-01-16T08:21:24Z"
        }
    ]
}
}
```