AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	Gemtek
DUT Product Model	W1701K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1 (Successful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1 (Successful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
	AFC DUT transmit power in the		

AFC DUT Compliance Test Report

AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (19.2 dBm/MHz PSD) in Spectrum Reponse] on channel 141 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

AFC DUT Compliance Test Report

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DUT Information

AFC DUT System	Standard Power AP
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DUT Product Model	W1701K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1 (Successful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1 (Successful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS

3.3_10623.html[2025/2/27 上午 09:21:19]

AFC DUT Compliance Test Report

AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (26.5 dBm EIRP) in Spectrum Reponse] on channel 37 bandwidth 20.	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	Gemtek
DUT Product Model	W1701K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1 (Successful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1 (Successful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION_1	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
	AFC DUT transmit		

AFC DUT Compliance Test Report

AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (17.9 dBm/MHz PSD, 30.9 dBm EIRP) in Spectrum Reponse] on channel 141 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS_1	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

AFC Capability – Inquired Frequency

CT_AFC_SP_AP_AFCDSAU33_Frequency_10616_1

############################ 2025-02-24T09:40:48Z ############################


```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "libcrp/0.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "X-Forwarded-For": "192.168.50.179",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "640",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "87948631",
                "deviceDescriptor": {
                    "serialNumber": "W1701K2405000030",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "MXF-W1701K"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "longitude": -121.985869,
                            "latitude": 37.381933
                        },
                        "majorAxis": 150,
```

```
                    "minorAxis": 150,
                    "orientation": 0
                },
                "elevation": {
                    "height": 15,
                    "heightType": "AGL",
                    "verticalUncertainty": 2
                },
                "indoorDeployment": 0
            },
            "inquiredFrequencyRange": [
                {
                    "lowFrequency": 5925,
                    "highFrequency": 6425
                },
                {
                    "lowFrequency": 6525,
                    "highFrequency": 6875
                }
            ],
            "minDesiredPower": -1
        }
    ]
  }
}

############################  2025-02-24T09:40:48Z  ############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
```

```
            "highFrequency": 5965,
            "lowFrequency": 5945
        },
        "maxPsd": 19.1
    },
    {
        "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
        },
        "maxPsd": 15.4
    },
    {
        "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
        },
        "maxPsd": 16.6
    },
    {
        "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
        },
        "maxPsd": 17.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6045,
            "lowFrequency": 6025
        },
        "maxPsd": 21.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6065,
            "lowFrequency": 6045
```

```
        },
        "maxPsd": 12.2
    },
    {
        "frequencyRange": {
            "highFrequency": 6085,
            "lowFrequency": 6065
        },
        "maxPsd": 17.3
    },
    {
        "frequencyRange": {
            "highFrequency": 6105,
            "lowFrequency": 6085
        },
        "maxPsd": 21.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
        },
        "maxPsd": 13.7
    },
    {
        "frequencyRange": {
            "highFrequency": 6385,
            "lowFrequency": 6365
        },
        "maxPsd": 18.6
    },
    {
        "frequencyRange": {
            "highFrequency": 6405,
            "lowFrequency": 6385
        },
        "maxPsd": 17.0
```

```
        },
        {
            "frequencyRange": {
                "highFrequency": 6425,
                "lowFrequency": 6405
            },
            "maxPsd": 15.7
        },
        {
            "frequencyRange": {
                "highFrequency": 6605,
                "lowFrequency": 6585
            },
            "maxPsd": 18.4
        },
        {
            "frequencyRange": {
                "highFrequency": 6625,
                "lowFrequency": 6605
            },
            "maxPsd": 18.3
        },
        {
            "frequencyRange": {
                "highFrequency": 6645,
                "lowFrequency": 6625
            },
            "maxPsd": 20.9
        },
        {
            "frequencyRange": {
                "highFrequency": 6665,
                "lowFrequency": 6645
            },
            "maxPsd": 19.2
        }
    ],
```

```
            "requestId": "87948631",
            "availabilityExpireTime": "2025-02-25T09:40:48Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

AFC Capability – Inquired Channel

CT_AFC_SP_AP_AFCDSAU33_Channel_10623_1

############################ 2025-02-25T03:18:35Z ############################


```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "libcrp/0.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Expect": "100-continue",
        "X-Forwarded-For": "192.168.50.179",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1365",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "60798371",
                "deviceDescriptor": {
                    "serialNumber": "W1701K2405000030",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "MXF-W1701K"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "longitude": -121.985869,
                            "latitude": 37.381933
                        },
                        "majorAxis": 150,
```

```
            "minorAxis": 150,
            "orientation": 0
        },
        "elevation": {
            "height": 15,
            "heightType": "AGL",
            "verticalUncertainty": 2
        },
        "indoorDeployment": 0
    },
    "inquiredChannels": [
        {
            "globalOperatingClass": 131,
            "channelCfi": [
                1,
                5,
                9,
                13,
                17,
                21,
                25,
                29,
                33,
                37,
                41,
                45,
                49,
                53,
                57,
                61,
                65,
                69,
                73,
                77,
                81,
                85,
                89,
```

93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
217,
221,
225,
229,
233
]

```
},
{
    "globalOperatingClass": 132,
    "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        99,
        107,
        115,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179,
        187,
        195,
        203,
        211,
        219,
        227
    ]
},
{
    "globalOperatingClass": 133,
```

```
        "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            103,
            119,
            135,
            151,
            167,
            183,
            199,
            215
        ]
    },
    {
        "globalOperatingClass": 134,
        "channelCfi": [
            15,
            47,
            79,
            111,
            143,
            175,
            207
        ]
    },
    {
        "globalOperatingClass": 136,
        "channelCfi": [
            2
        ]
    },
    {
        "globalOperatingClass": 137,
```

```
                        "channelCfi": [
                            31,
                            63,
                            95,
                            127,
                            159,
                            191
                        ]
                    }
                ],
                "minDesiredPower": -1
            }
        ]
    }
}

############################## 2025-02-25T03:18:35Z ##############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        33,
                        37,
                        41,
                        45,
                        49,
                        53,
                        57,
                        61,
                        65,
                        69,
```

```
            73,
            77,
            129,
            133,
            137,
            141
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
            26.9,
            26.5,
            27.9,
            30.1,
            29.3,
            34.5,
            24.8,
            22.9,
            22.3,
            24.6,
            27.1,
            26.4,
            31.2,
            34.6,
            31.4,
            34.1
        ]
    },
    {
        "channelCfi": [
            35,
            43,
            51,
            59,
            67,
            75,
            131,
            139
```

```
        ],
        "globalOperatingClass": 132,
        "maxEirp": [
            29.5,
            30.9,
            32.3,
            25.9,
            25.3,
            29.4,
            34.2,
            34.4
        ]
    },
    {
        "channelCfi": [
            39,
            55,
            71,
            135
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            32.5,
            28.9,
            28.3,
            36.0
        ]
    },
    {
        "channelCfi": [
            47
        ],
        "globalOperatingClass": 134,
        "maxEirp": [
            31.9
        ]
    }
```

```
            ],
            "requestId": "60798371",
            "availabilityExpireTime": "2025-02-26T03:18:35Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

AFC Capability – Inquired Frequency and Channel

CT_AFC_SP_AP_AFCDSAU33_FrequencyChannel_10630_1

############################ 2025-02-25T08:58:21Z ############################


```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "libcrp/0.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Expect": "100-continue",
        "X-Forwarded-For": "192.168.50.179",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1493",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "91365101",
                "deviceDescriptor": {
                    "serialNumber": "W1701K2405000030",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "MXF-W1701K"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "longitude": -121.985869,
                            "latitude": 37.381933
                        },
                        "majorAxis": 150,
```

```
            "minorAxis": 150,
            "orientation": 0
        },
        "elevation": {
            "height": 15,
            "heightType": "AGL",
            "verticalUncertainty": 2
        },
        "indoorDeployment": 0
    },
    "inquiredFrequencyRange": [
        {
            "lowFrequency": 5925,
            "highFrequency": 6425
        },
        {
            "lowFrequency": 6525,
            "highFrequency": 6875
        }
    ],
    "inquiredChannels": [
        {
            "globalOperatingClass": 131,
            "channelCfi": [
                1,
                5,
                9,
                13,
                17,
                21,
                25,
                29,
                33,
                37,
                41,
                45,
                49,
```

53,
57,
61,
65,
69,
73,
77,
81,
85,
89,
93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,

```
            201,
            205,
            209,
            213,
            217,
            221,
            225,
            229,
            233
        ]
    },
    {
        "globalOperatingClass": 132,
        "channelCfi": [
            3,
            11,
            19,
            27,
            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91,
            99,
            107,
            115,
            123,
            131,
            139,
            147,
            155,
            163,
            171,
            179,
```

```
            187,
            195,
            203,
            211,
            219,
            227
        ]
    },
    {
        "globalOperatingClass": 133,
        "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            103,
            119,
            135,
            151,
            167,
            183,
            199,
            215
        ]
    },
    {
        "globalOperatingClass": 134,
        "channelCfi": [
            15,
            47,
            79,
            111,
            143,
            175,
            207
```

```
                    ]
                },
                {
                    "globalOperatingClass": 136,
                    "channelCfi": [
                        2
                    ]
                },
                {
                    "globalOperatingClass": 137,
                    "channelCfi": [
                        31,
                        63,
                        95,
                        127,
                        159,
                        191
                    ]
                }
            ],
            "minDesiredPower": -1
        }
    ]
  }
}

############################  2025-02-25T08:58:22Z  ############################
{
  "availableSpectrumInquiryResponses": [
    {
      "response": {
        "responseCode": 0,
        "shortDescription": "SUCCESS"
      },
      "availableFrequencyInfo": [
        {
          "frequencyRange": {
```

```
            "highFrequency": 5965,
            "lowFrequency": 5945
        },
        "maxPsd": 19.4
    },
    {
        "frequencyRange": {
            "highFrequency": 5985,
            "lowFrequency": 5965
        },
        "maxPsd": 8.0
    },
    {
        "frequencyRange": {
            "highFrequency": 6005,
            "lowFrequency": 5985
        },
        "maxPsd": 13.4
    },
    {
        "frequencyRange": {
            "highFrequency": 6025,
            "lowFrequency": 6005
        },
        "maxPsd": 15.2
    },
    {
        "frequencyRange": {
            "highFrequency": 6205,
            "lowFrequency": 6185
        },
        "maxPsd": 18.8
    },
    {
        "frequencyRange": {
            "highFrequency": 6225,
            "lowFrequency": 6205
```

```
        },
        "maxPsd": 9.9
    },
    {
        "frequencyRange": {
            "highFrequency": 6245,
            "lowFrequency": 6225
        },
        "maxPsd": 13.8
    },
    {
        "frequencyRange": {
            "highFrequency": 6265,
            "lowFrequency": 6245
        },
        "maxPsd": 14.6
    },
    {
        "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
        },
        "maxPsd": 13.1
    },
    {
        "frequencyRange": {
            "highFrequency": 6305,
            "lowFrequency": 6285
        },
        "maxPsd": 15.8
    },
    {
        "frequencyRange": {
            "highFrequency": 6325,
            "lowFrequency": 6305
        },
        "maxPsd": 17.8
```

```
        },
        {
            "frequencyRange": {
                "highFrequency": 6345,
                "lowFrequency": 6325
            },
            "maxPsd": 11.2
        },
        {
            "frequencyRange": {
                "highFrequency": 6605,
                "lowFrequency": 6585
            },
            "maxPsd": 19.8
        },
        {
            "frequencyRange": {
                "highFrequency": 6625,
                "lowFrequency": 6605
            },
            "maxPsd": 12.8
        },
        {
            "frequencyRange": {
                "highFrequency": 6645,
                "lowFrequency": 6625
            },
            "maxPsd": 11.2
        },
        {
            "frequencyRange": {
                "highFrequency": 6665,
                "lowFrequency": 6645
            },
            "maxPsd": 17.9
        }
    ],
```

```
"availableChannelInfo": [
    {
        "channelCfi": [
            1,
            5,
            9,
            13,
            49,
            53,
            57,
            61,
            65,
            69,
            73,
            77,
            129,
            133,
            137,
            141
        ],
        "globalOperatingClass": 131,
        "maxEirp": [
            32.4,
            21.0,
            26.4,
            28.2,
            31.8,
            22.9,
            26.8,
            27.6,
            26.1,
            28.8,
            30.8,
            24.2,
            32.8,
            25.8,
            24.2,
```

```
            30.9
        ]
    },
    {
        "channelCfi": [
            3,
            11,
            51,
            59,
            67,
            75,
            131,
            139
        ],
        "globalOperatingClass": 132,
        "maxEirp": [
            24.0,
            29.4,
            25.9,
            29.8,
            29.1,
            27.2,
            28.8,
            27.2
        ]
    },
    {
        "channelCfi": [
            7,
            55,
            71,
            135
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            27.0,
            28.9,
```

```
                        30.2,
                        30.2
                    ]
                }
            ],
            "requestId": "91365101",
            "availabilityExpireTime": "2025-02-26T08:58:22Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

Transmitting Power Measurement

AFC Capability – Inquired Frequency

AFCD.SAU: Successful spectrum access update												
Freq (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Power (dBm)	Power Directional Gain (dBi)	EIRP (dBm)	AFC Response EIRP Limit (dBm)	Result	PSD (dBm/MHz)	PSD Directional Gain (dBi)	EIRP PSD (dBm/MHz)	AFC Response EIRP PSD Limit (dBm/MHz)	Result
6135	LPI	20	14.26	4.20	18.46	-	N/A	0.67	4.20	4.87	5	Pass
6655	SP	20	27.39	5.31	32.70	-	N/A	13.70	5.31	19.01	19.2	Pass
6655	LPI	20	13.29	5.31	18.60	-	N/A	-0.42	5.31	4.89	5	Pass

AFC Capability – Inquired Channel

AFCD.SAU: Successful spectrum access update												
Freq (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Power (dBm)	Power Directional Gain (dBi)	EIRP (dBm)	AFC Response EIRP Limit (dBm)	Result	PSD (dBm/MHz)	PSD Directional Gain (dBi)	EIRP PSD (dBm/MHz)	AFC Response EIRP PSD Limit (dBm/MHz)	Result
6135	LPI	20	14.29	4.20	18.49	-	N/A	0.57	4.20	4.77	5	Pass
6135	SP	20	21.14	4.20	25.34	26.5	Pass	7.45	4.20	11.65	-	N/A
6135	LPI	20	14.11	4.20	18.31	-	N/A	0.46	4.20	4.66	5	Pass

AFC Capability – Inquired Frequency & Channel

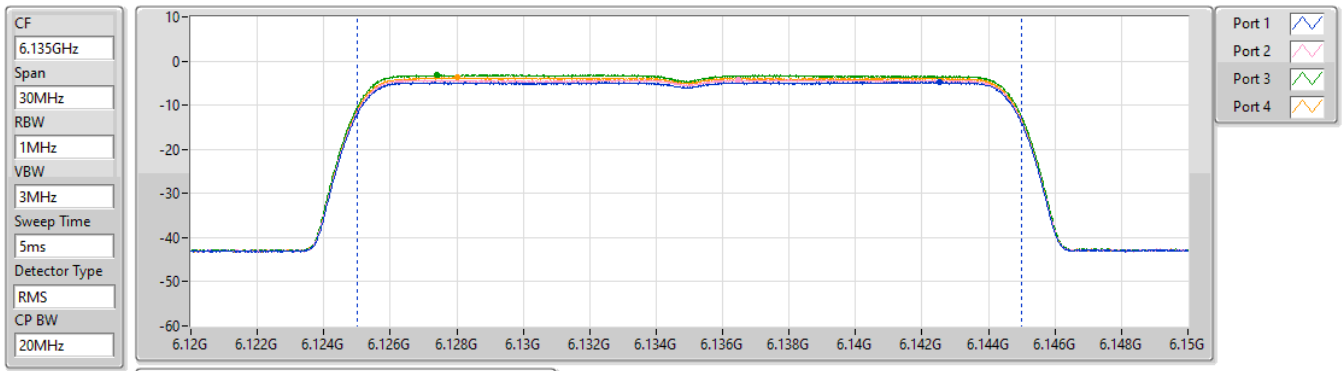
AFCD.SAU: Successful spectrum access update												
Freq (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Power (dBm)	Power Directional Gain (dBi)	EIRP (dBm)	AFC Response EIRP Limit (dBm)	Result	PSD (dBm/MHz)	PSD Directional Gain (dBi)	EIRP PSD (dBm/MHz)	AFC Response EIRP PSD Limit (dBm/MHz)	Result
6135	LPI	20	14.27	4.20	18.47	-	N/A	0.57	4.20	4.77	5	Pass
6655	SP	20	25.39	5.31	30.70	30.9	Pass	11.73	5.31	17.04	17.9	Pass
6655	LPI	20	13.13	5.31	18.44	-	N/A	-0.63	5.31	4.68	5	Pass

AFC Capability – Inquired Frequency

Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_4TX **AV Power**

6135MHz_TX

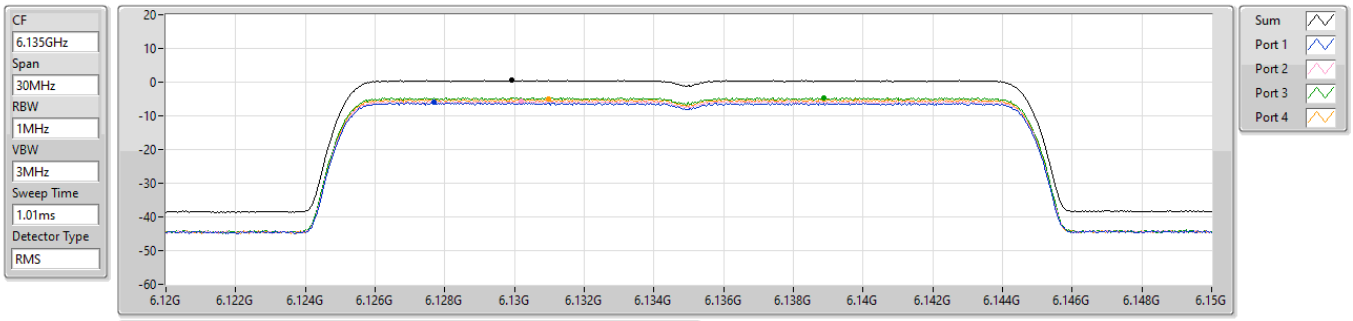


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.26	7.44	7.92	9.02	8.42

5.925-6.425GHz_802.11be EHT20_4TX **PSD**

6135MHz



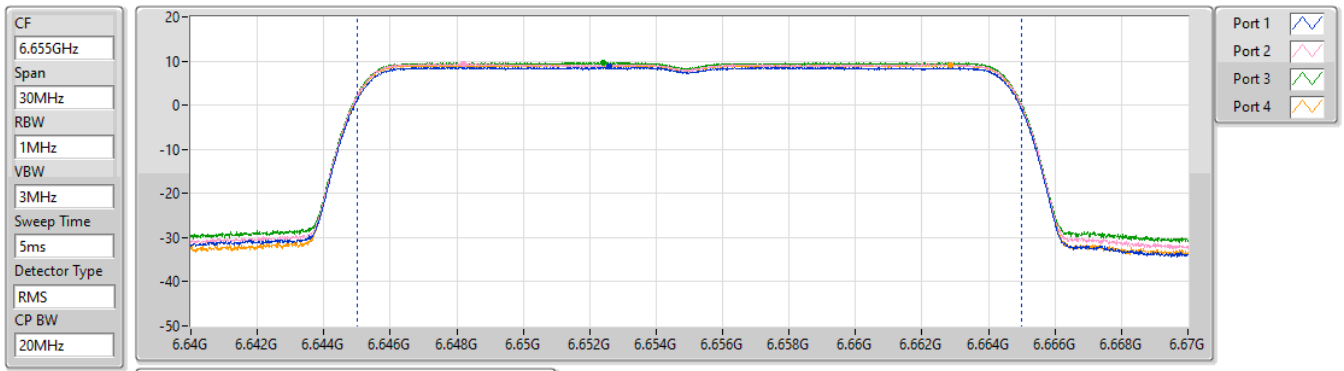
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.67	0.67	-6.01	-5.52	-4.57	-4.94

AFC Capability – Inquired Frequency

Frequency (MHz): 6655

6.525-6.875GHz_802.11be EHT20_4TX **AV Power**

6655MHz_TX

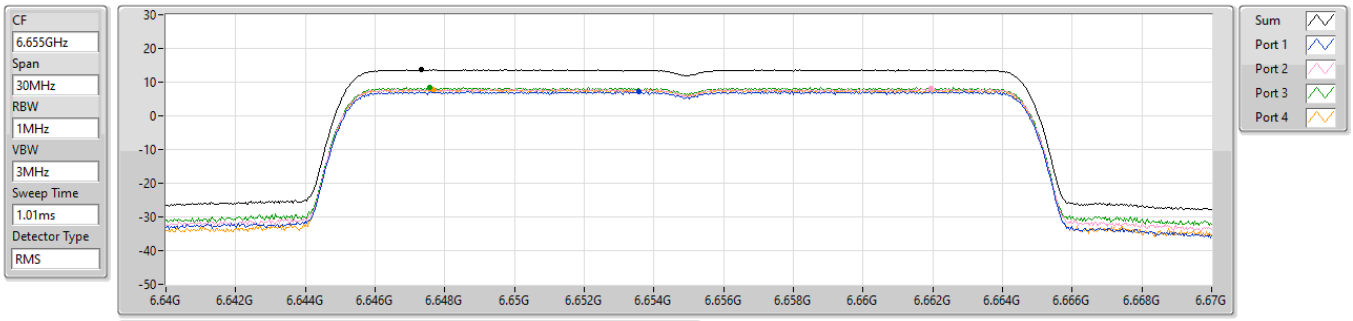


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
27.39	20.79	21.47	21.82	21.32

6.525-6.875GHz_802.11be EHT20_4TX **PSD**

6655MHz



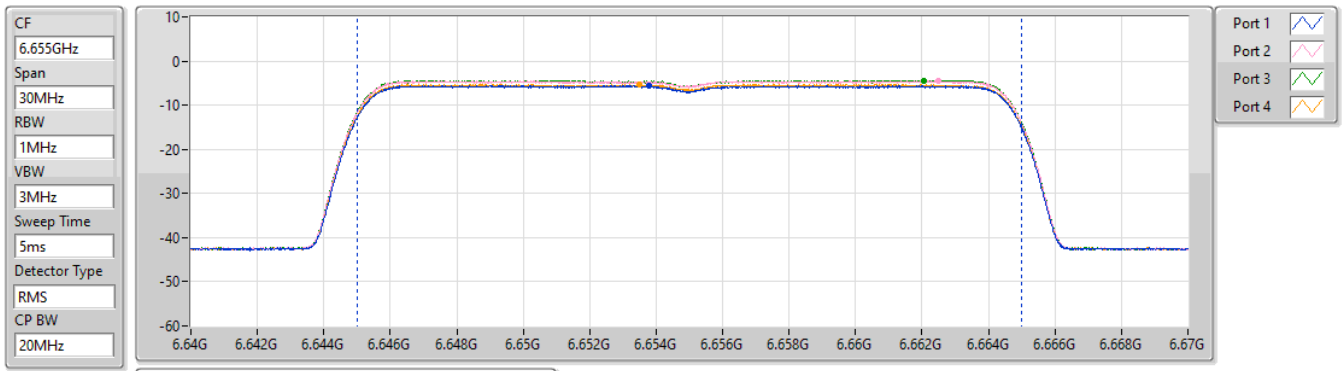
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.70	13.70	7.33	8.01	8.45	7.96

AFC Capability – Inquired Frequency

Frequency (MHz): 6655

6.525-6.875GHz_802.11be EHT20_4TX **AV Power**

6655MHz_TX

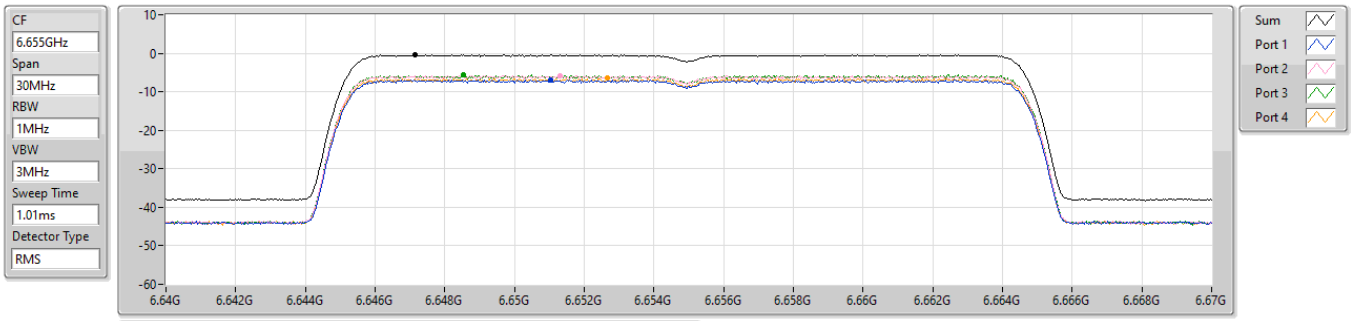


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.29	6.60	7.66	7.80	6.89

6.525-6.875GHz_802.11be EHT20_4TX **PSD**

6655MHz



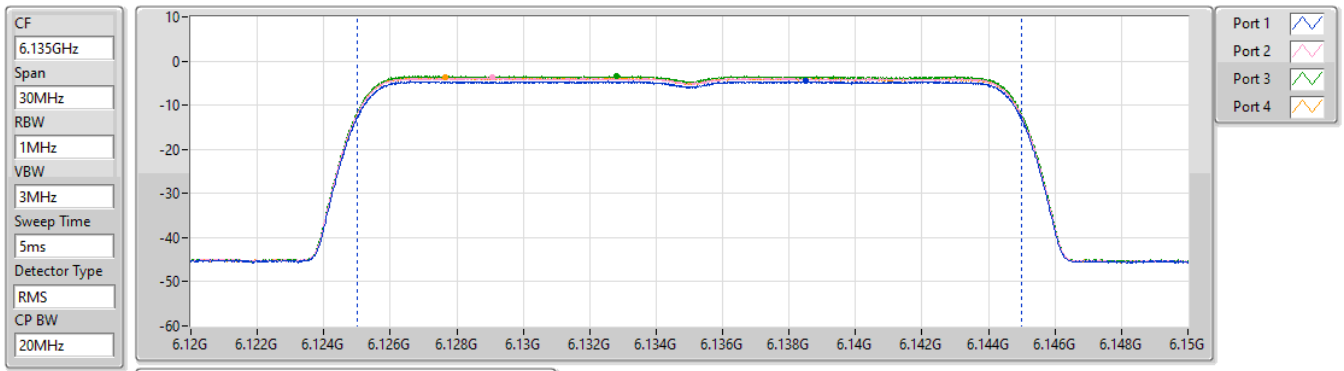
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.42	-0.42	-6.85	-5.79	-5.50	-6.45

AFC Capability – Inquired Channel

Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_4TX **AV Power**

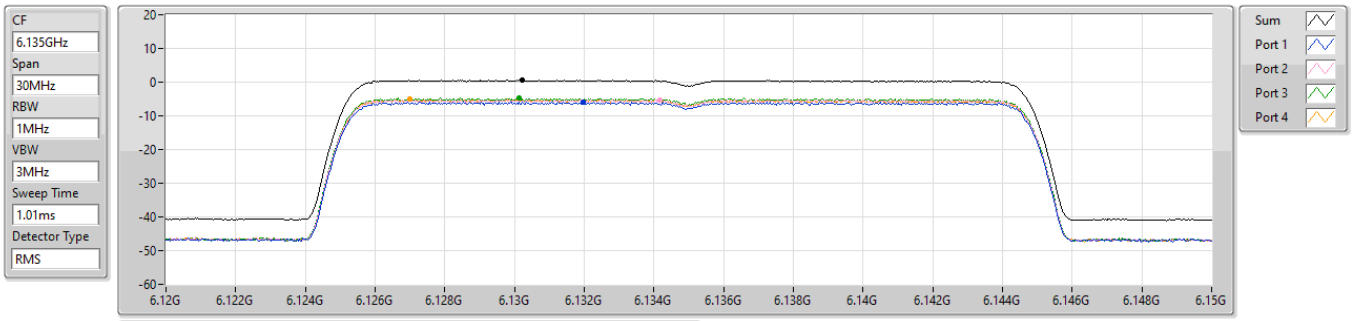
6135MHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.29	7.59	8.32	8.74	8.34

5.925-6.425GHz_802.11be EHT20_4TX **PSD**

6135MHz



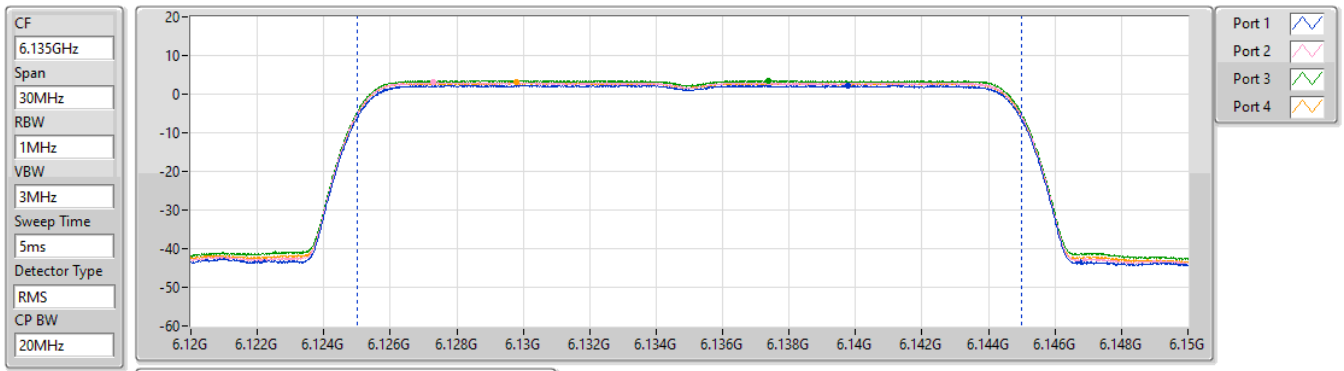
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.57	0.57	-5.90	-5.22	-4.75	-5.12

AFC Capability – Inquired Channel

Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_4TX **AV Power**

6135MHz_TX

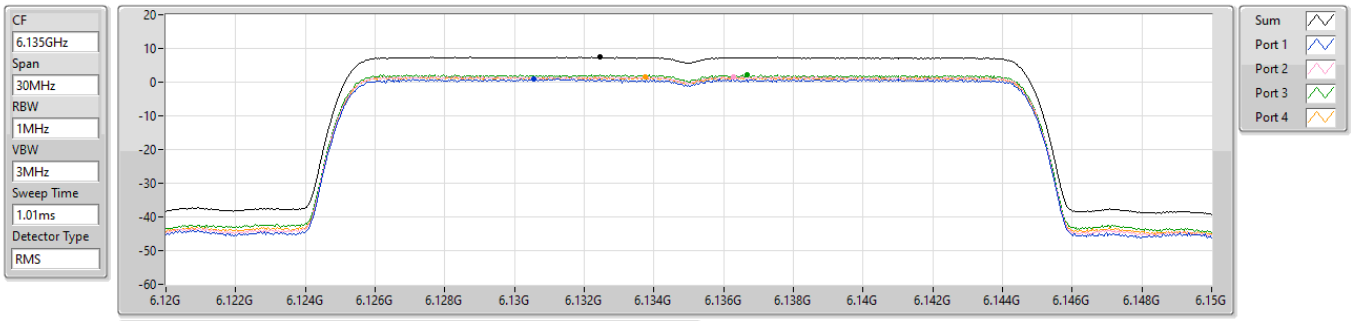


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
21.14	14.46	15.17	15.71	15.06

5.925-6.425GHz_802.11be EHT20_4TX **PSD**

6135MHz



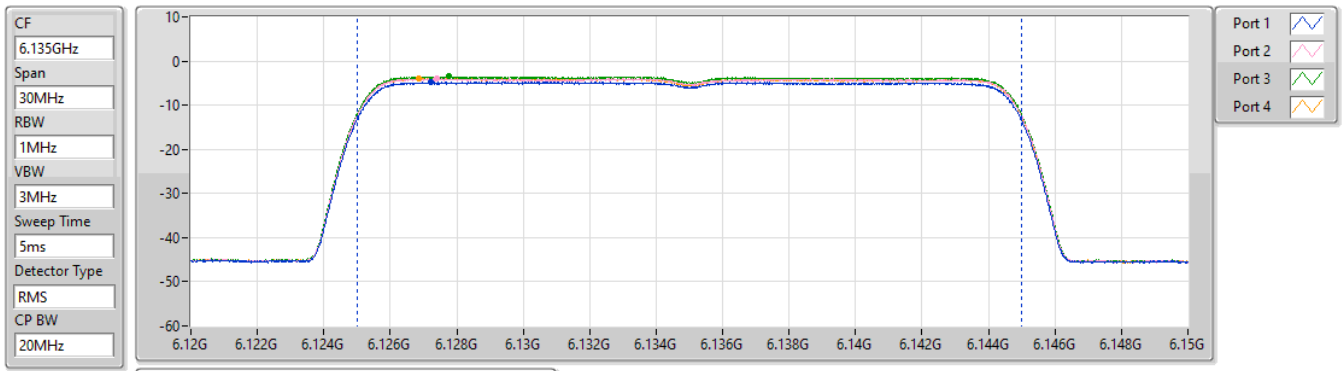
Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)
7.45	7.45	0.98	1.66	2.27	1.49

AFC Capability – Inquired Channel

Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_4TX **AV Power**

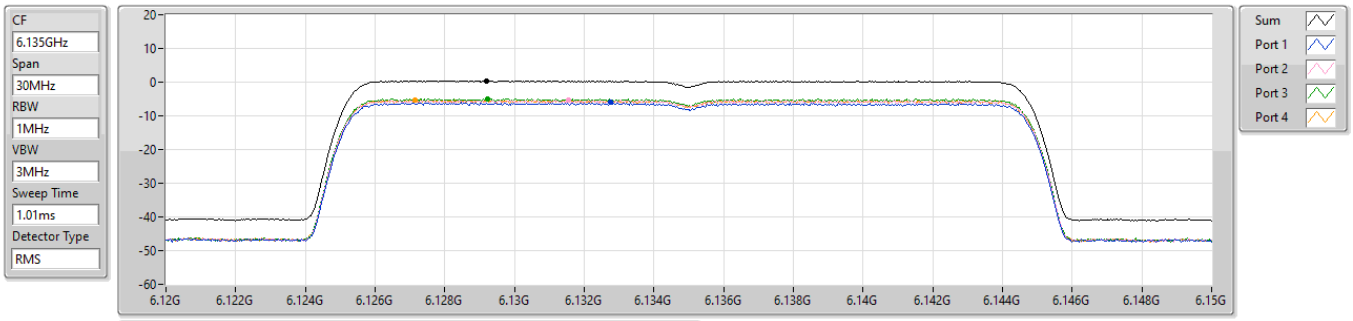
6135MHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.11	7.39	8.14	8.56	8.17

5.925-6.425GHz_802.11be EHT20_4TX **PSD**

6135MHz



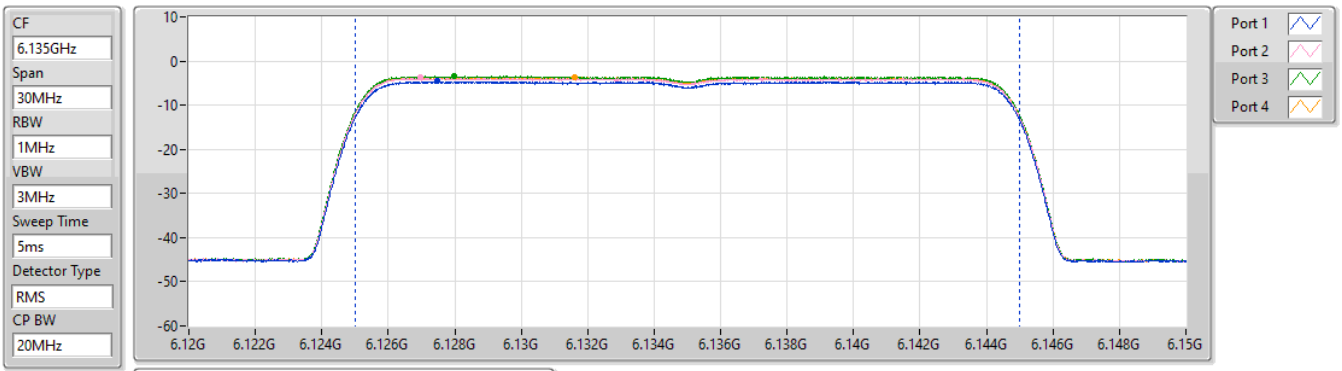
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.46	0.46	-6.02	-5.31	-4.90	-5.22

AFC Capability – Inquired Frequency & Channel

Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_4TX **AV Power**

6135MHz_TX

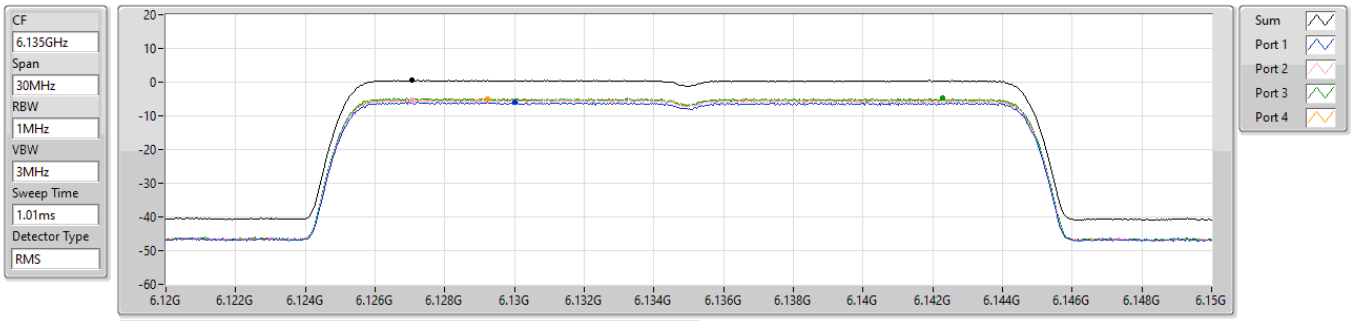


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.27	7.50	8.25	8.68	8.47

5.925-6.425GHz_802.11be EHT20_4TX **PSD**

6135MHz



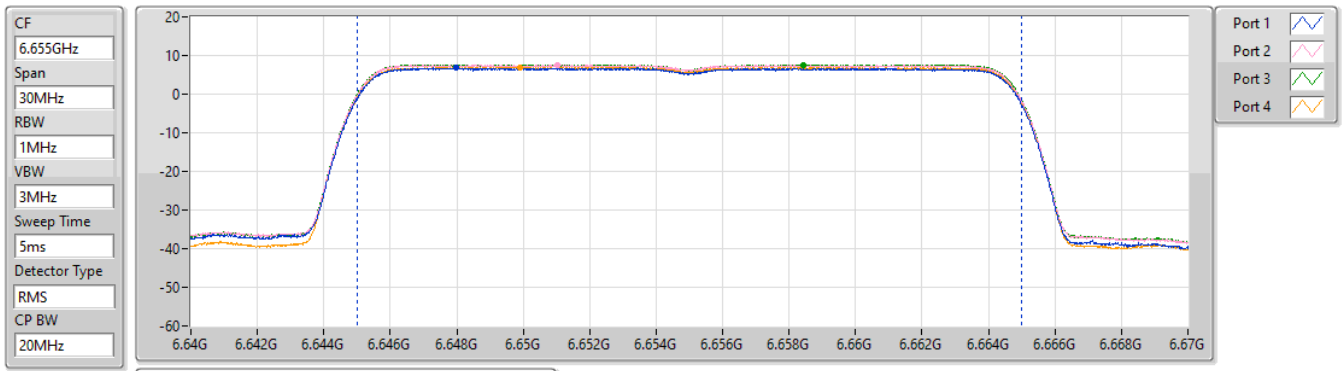
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.57	0.57	-5.90	-5.32	-4.76	-4.95

AFC Capability – Inquired Frequency & Channel

Frequency (MHz): 6655

6.525-6.875GHz_802.11be EHT20_4TX **AV Power**

6655MHz_TX

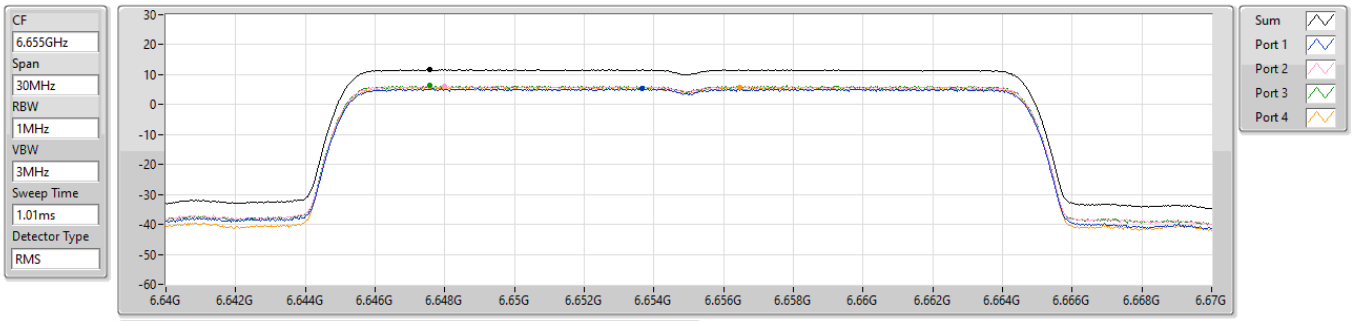


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
25.39	18.84	19.68	19.77	19.13

6.525-6.875GHz_802.11be EHT20_4TX **PSD**

6655MHz



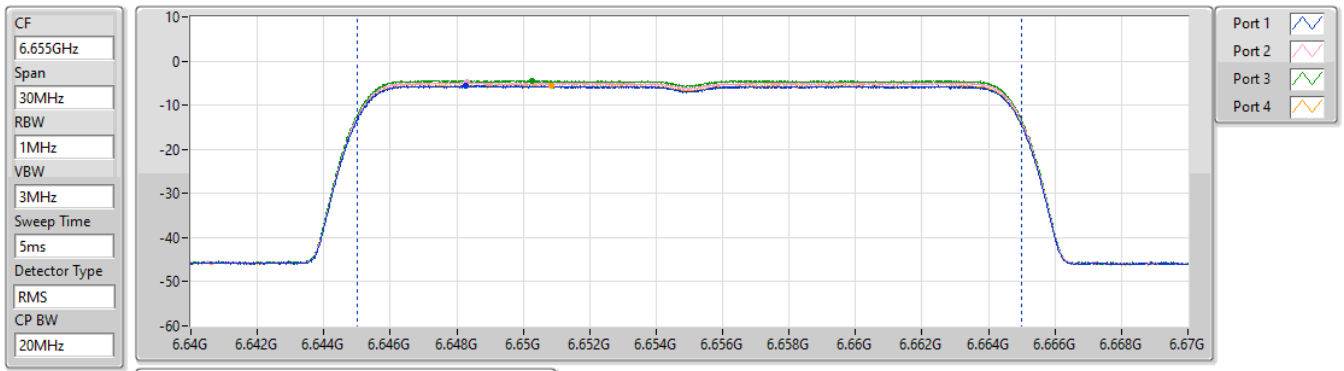
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.73	11.73	5.36	6.16	6.31	5.68

AFC Capability – Inquired Frequency & Channel

Frequency (MHz): 6655

6.525-6.875GHz_802.11be EHT20_4TX **AV Power**

6655MHz_TX

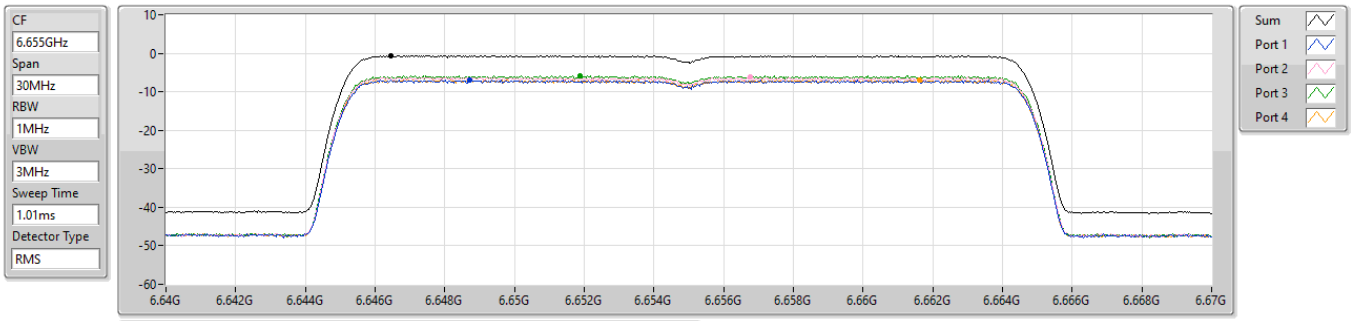


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.13	6.55	7.30	7.78	6.68

6.525-6.875GHz_802.11be EHT20_4TX **PSD**

6655MHz



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)
-0.63	-0.63	-6.83	-6.21	-5.81	-6.91

AFC DUT Compliance Test Report

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	Gemtek
DUT Product Model	W1701K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU34_Frequency_10617_1 (Unsuccessful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDUAU34_Frequency_10617_1 (Unsuccessful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
	AFC DUT transmit		

3.4_10617.html[2025/2/27 上午 09:21:18]

AFC DUT Compliance Test Report

AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (23 dBm/MHz PSD) in Spectrum Reponse] on channel 141 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

3.4_10617.html[2025/2/27 上午 09:21:18]

AFC DUT Compliance Test Report

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	Gemtek
DUT Product Model	W1701K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1 (Unsuccessful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1 (Unsuccessful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS

3.4_10624.html[2025/2/27 上午 09:21:18]

AFC DUT Compliance Test Report

AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	AFC DUT transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (36.0 dBm EIRP) in Spectrum Reponse] on channel 37 bandwidth 20.	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

3.4_10624.html[2025/2/27 上午 09:21:18]

AFC DUT Compliance Test Report

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	Gemtek
DUT Product Model	W1701K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(i), 15.407(k)(8)(ii), 15.407(k)(9)(i)	CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)	PASS

Test Measurements

TestCaseName: CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1 (Unsuccessful spectrum access update)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SP_OPERATION	AFC DUT transmit with standard power in the band before the Spectrum Inquiry Response	false	PASS
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	true	PASS
AFC_DUT_SPECTRUM_INQUIRYREQUEST_VALID_1	Valid mandatory registration information	true	PASS
	AFC DUT		

3.4_10631.html[2025/2/27 上午 09:21:14]

AFC DUT Compliance Test Report

AFC_DUT_CONFORM_SPECTRUM_INQUIRYRESPONSE_1	transmit power in the band is less than CEILING[LPI limits (5 dBm/MHz PSD) , SP limits (23 dBm/MHz PSD, 36.0 dBm EIRP) in Spectrum Reponse] on channel 141 bandwidth 20.	true	PASS
AFC_DUT_CONFORM_ADJACENT_FREQUENCIES_EMISSIONS_LIMITS	AFC DUT conforms to not exceed emissions limits in adjacent frequencies	true	PASS
AFC_DUT_SP_OPERATION_NO_REQ	AFC DUT transmit with standard power in the band in no Spectrum Inquiry Request case	false	PASS

3.4_10631.html[2025/2/27 上午 09:21:14]

AFC Capability – Inquired Frequency

CT_AFC_SP_AP_AFCDUAU34_Frequency_10617_1

############################ 2025-02-24T09:54:46Z ############################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    },
    "maxPsd": 23
},
{
    "frequencyRange": {
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        "lowFrequency": 6225
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 23
},
{
```

```
        "frequencyRange": {
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            "lowFrequency": 6265
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
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            "lowFrequency": 6345
        },
        "maxPsd": 23
    },
    {
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            "lowFrequency": 6365
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        "maxPsd": 23
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    {
        "frequencyRange": {
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            "lowFrequency": 6385
        },
        "maxPsd": 23
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        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6585,
            "lowFrequency": 6565
        },
```

```
        "maxPsd": 23
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    {
        "frequencyRange": {
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            "lowFrequency": 6585
        },
        "maxPsd": 23
    },
    {
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            "lowFrequency": 6605
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
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            "lowFrequency": 6625
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
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    },
    {
        "frequencyRange": {
            "highFrequency": 6685,
            "lowFrequency": 6665
        },
        "maxPsd": 23
    },
```

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{
    "frequencyRange": {
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        "lowFrequency": 6685
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6725,
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{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
```

```
                        "highFrequency": 6805,
                        "lowFrequency": 6785
                    },
                    "maxPsd": 23
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6825,
                        "lowFrequency": 6805
                    },
                    "maxPsd": 23
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6845,
                        "lowFrequency": 6825
                    },
                    "maxPsd": 23
                },
                {
                    "frequencyRange": {
                        "highFrequency": 6865,
                        "lowFrequency": 6845
                    },
                    "maxPsd": 23
                }
            ],
            "requestId": "29372685",
            "availabilityExpireTime": "2025-02-25T09:54:47Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

AFC Capability – Inquired Channel

CT_AFC_SP_AP_AFCDUAU34_Channel_10624_1

############################ 2025-02-25T03:39:46Z ############################


```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "libcrp/0.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Expect": "100-continue",
        "X-Forwarded-For": "192.168.50.179",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1365",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "95465712",
                "deviceDescriptor": {
                    "serialNumber": "W1701K2405000030",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "MXF-W1701K"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "longitude": -121.985869,
                            "latitude": 37.381933
                        },
                        "majorAxis": 150,
```

```
            "minorAxis": 150,
            "orientation": 0
        },
        "elevation": {
            "height": 15,
            "heightType": "AGL",
            "verticalUncertainty": 2
        },
        "indoorDeployment": 0
    },
    "inquiredChannels": [
        {
            "globalOperatingClass": 131,
            "channelCfi": [
                1,
                5,
                9,
                13,
                17,
                21,
                25,
                29,
                33,
                37,
                41,
                45,
                49,
                53,
                57,
                61,
                65,
                69,
                73,
                77,
                81,
                85,
                89,
```

93,
97,
101,
105,
109,
113,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,
201,
205,
209,
213,
217,
221,
225,
229,
233
]

```
},
{
    "globalOperatingClass": 132,
    "channelCfi": [
        3,
        11,
        19,
        27,
        35,
        43,
        51,
        59,
        67,
        75,
        83,
        91,
        99,
        107,
        115,
        123,
        131,
        139,
        147,
        155,
        163,
        171,
        179,
        187,
        195,
        203,
        211,
        219,
        227
    ]
},
{
    "globalOperatingClass": 133,
```

```
        "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            103,
            119,
            135,
            151,
            167,
            183,
            199,
            215
        ]
    },
    {
        "globalOperatingClass": 134,
        "channelCfi": [
            15,
            47,
            79,
            111,
            143,
            175,
            207
        ]
    },
    {
        "globalOperatingClass": 136,
        "channelCfi": [
            2
        ]
    },
    {
        "globalOperatingClass": 137,
```

```
                        "channelCfi": [
                            31,
                            63,
                            95,
                            127,
                            159,
                            191
                        ]
                    }
                ],
                "minDesiredPower": -1
            }
        ]
    }
}

############################    2025-02-25T03:39:46Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableChannelInfo": [
                {
                    "channelCfi": [
                        1,
                        5,
                        9,
                        13,
                        17,
                        21,
                        25,
                        29,
                        33,
                        37,
```

41,
45,
49,
53,
57,
61,
65,
69,
73,
77,
81,
85,
89,
93,
117,
121,
125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181
],
"globalOperatingClass": 131,
"maxEirp": [
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36.0,

36.0,
36.0,
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36.0,
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36.0,
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36.0,
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36.0,
36.0,
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36.0,
36.0,
36.0,

```
            36.0
        ]
    },
    {
        "channelCfi": [
            3,
            11,
            19,
            27,
            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91,
            123,
            131,
            139,
            147,
            155,
            163,
            171,
            179
        ],
        "globalOperatingClass": 132,
        "maxEirp": [
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
```

```
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0
        ]
    },
    {
        "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            135,
            151,
            167
        ],
        "globalOperatingClass": 133,
        "maxEirp": [
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0,
            36.0
        ]
```

```
                },
                {
                    "channelCfi": [
                        15,
                        47,
                        79,
                        143
                    ],
                    "globalOperatingClass": 134,
                    "maxEirp": [
                        36.0,
                        36.0,
                        36.0,
                        36.0
                    ]
                },
                {
                    "channelCfi": [
                        2
                    ],
                    "globalOperatingClass": 136,
                    "maxEirp": [
                        36.0
                    ]
                }
            ],
            "requestId": "95465712",
            "availabilityExpireTime": "2025-02-26T03:39:46Z",
            "rulesetId": "US_47_CFR_PART_15_SUBPART_E"
        }
    ],
    "version": "1.4"
}
```

AFC Capability – Inquired Frequency and Channel

CT_AFC_SP_AP_AFCDUAU34_FrequencyChannel_10631_1

############################ 2025-02-25T09:20:01Z ############################


```
{
    "headers": {
        "Host": "testserver.wfatestorg.org",
        "User-Agent": "libcrp/0.1",
        "Accept": "application/json",
        "Content-Type": "application/json",
        "Expect": "100-continue",
        "X-Forwarded-For": "192.168.50.179",
        "X-Forwarded-Host": "testserver.wfatestorg.org",
        "X-Forwarded-Server": "testserver.wfatestorg.org",
        "Content-Length": "1493",
        "Connection": "Keep-Alive"
    },
    "body": {
        "version": "1.4",
        "availableSpectrumInquiryRequests": [
            {
                "requestId": "17658072",
                "deviceDescriptor": {
                    "serialNumber": "W1701K2405000030",
                    "certificationId": [
                        {
                            "rulesetId": "US_47_CFR_PART_15_SUBPART_E",
                            "id": "MXF-W1701K"
                        }
                    ]
                },
                "location": {
                    "ellipse": {
                        "center": {
                            "longitude": -121.985869,
                            "latitude": 37.381933
                        },
                        "majorAxis": 150,
```

```
                "minorAxis": 150,
                "orientation": 0
            },
            "elevation": {
                "height": 15,
                "heightType": "AGL",
                "verticalUncertainty": 2
            },
            "indoorDeployment": 0
        },
        "inquiredFrequencyRange": [
            {
                "lowFrequency": 5925,
                "highFrequency": 6425
            },
            {
                "lowFrequency": 6525,
                "highFrequency": 6875
            }
        ],
        "inquiredChannels": [
            {
                "globalOperatingClass": 131,
                "channelCfi": [
                    1,
                    5,
                    9,
                    13,
                    17,
                    21,
                    25,
                    29,
                    33,
                    37,
                    41,
                    45,
                    49,
```

53,
57,
61,
65,
69,
73,
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81,
85,
89,
93,
97,
101,
105,
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141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181,
185,
189,
193,
197,

```
            201,
            205,
            209,
            213,
            217,
            221,
            225,
            229,
            233
        ]
    },
    {
        "globalOperatingClass": 132,
        "channelCfi": [
            3,
            11,
            19,
            27,
            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91,
            99,
            107,
            115,
            123,
            131,
            139,
            147,
            155,
            163,
            171,
            179,
```

```
            187,
            195,
            203,
            211,
            219,
            227
        ]
    },
    {
        "globalOperatingClass": 133,
        "channelCfi": [
            7,
            23,
            39,
            55,
            71,
            87,
            103,
            119,
            135,
            151,
            167,
            183,
            199,
            215
        ]
    },
    {
        "globalOperatingClass": 134,
        "channelCfi": [
            15,
            47,
            79,
            111,
            143,
            175,
            207
```

```
                        ]
                    },
                    {
                        "globalOperatingClass": 136,
                        "channelCfi": [
                            2
                        ]
                    },
                    {
                        "globalOperatingClass": 137,
                        "channelCfi": [
                            31,
                            63,
                            95,
                            127,
                            159,
                            191
                        ]
                    }
                ],
                "minDesiredPower": -1
            }
        ]
    }
}

############################    2025-02-25T09:20:02Z    ############################
{
    "availableSpectrumInquiryResponses": [
        {
            "response": {
                "responseCode": 0,
                "shortDescription": "SUCCESS"
            },
            "availableFrequencyInfo": [
                {
                    "frequencyRange": {
```

```
            "highFrequency": 5945,
            "lowFrequency": 5925
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 5965,
            "lowFrequency": 5945
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        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
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            "lowFrequency": 6005
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
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            "lowFrequency": 6025
```

```
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
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            "lowFrequency": 6045
        },
        "maxPsd": 23
    },
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    },
    {
        "frequencyRange": {
            "highFrequency": 6145,
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        },
        "maxPsd": 23
```

```
},
{
    "frequencyRange": {
        "highFrequency": 6165,
        "lowFrequency": 6145
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
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        "lowFrequency": 6165
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6205,
        "lowFrequency": 6185
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6245,
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    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6265,
        "lowFrequency": 6245
    },
    "maxPsd": 23
},
{
```

```
        "frequencyRange": {
            "highFrequency": 6285,
            "lowFrequency": 6265
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6305,
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        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6345,
            "lowFrequency": 6325
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6365,
            "lowFrequency": 6345
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6385,
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```
            "lowFrequency": 6365
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6405,
            "lowFrequency": 6385
        },
        "maxPsd": 23
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        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6565,
            "lowFrequency": 6545
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6585,
            "lowFrequency": 6565
        },
```

```
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6605,
            "lowFrequency": 6585
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6625,
            "lowFrequency": 6605
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6645,
            "lowFrequency": 6625
        },
        "maxPsd": 23
    },
    {
        "frequencyRange": {
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        "maxPsd": 23
    },
    {
        "frequencyRange": {
            "highFrequency": 6685,
            "lowFrequency": 6665
        },
        "maxPsd": 23
    },
```

```
{
    "frequencyRange": {
        "highFrequency": 6705,
        "lowFrequency": 6685
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6725,
        "lowFrequency": 6705
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
        "highFrequency": 6745,
        "lowFrequency": 6725
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
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{
    "frequencyRange": {
        "highFrequency": 6785,
        "lowFrequency": 6765
    },
    "maxPsd": 23
},
{
    "frequencyRange": {
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```
                "highFrequency": 6805,
                "lowFrequency": 6785
            },
            "maxPsd": 23
        },
        {
            "frequencyRange": {
                "highFrequency": 6825,
                "lowFrequency": 6805
            },
            "maxPsd": 23
        },
        {
            "frequencyRange": {
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                "lowFrequency": 6825
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            "maxPsd": 23
        },
        {
            "frequencyRange": {
                "highFrequency": 6865,
                "lowFrequency": 6845
            },
            "maxPsd": 23
        }
    ],
    "availableChannelInfo": [
        {
            "channelCfi": [
                1,
                5,
                9,
                13,
                17,
                21,
                25,
```

29,
33,
37,
41,
45,
49,
53,
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65,
69,
73,
77,
81,
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125,
129,
133,
137,
141,
145,
149,
153,
157,
161,
165,
169,
173,
177,
181
],
"globalOperatingClass": 131,
"maxEirp": [

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36.0,
36.0,
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36.0,

```
            36.0,
            36.0,
            36.0,
            36.0
        ]
    },
    {
        "channelCfi": [
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            11,
            19,
            27,
            35,
            43,
            51,
            59,
            67,
            75,
            83,
            91,
            123,
            131,
            139,
            147,
            155,
            163,
            171,
            179
        ],
        "globalOperatingClass": 132,
        "maxEirp": [
            36.0,
            36.0,
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Transmitting Power Measurement

AFC Capability – Inquired Frequency

AFCD.UAU: Unsuccessful spectrum access update												
Freq (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Power (dBm)	Power Directional Gain (dBi)	EIRP (dBm)	AFC Response EIRP Limit (dBm)	Result	PSD (dBm/MHz)	PSD Directional Gain (dBi)	EIRP PSD (dBm/MHz)	AFC Response EIRP PSD Limit (dBm/MHz)	Result
6655	LPI	20	13.16	5.31	18.47	-	N/A	-0.45	5.31	4.86	5	Pass
6655	SP	20	28.33	5.31	33.64	-	N/A	14.64	5.31	19.95	23	Pass
6655	LPI	20	13.25	5.31	18.56	-	N/A	-0.46	5.31	4.85	5	Pass

AFC Capability – Inquired Channel

AFCD.UAU: Unsuccessful spectrum access update												
Freq (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Power (dBm)	Power Directional Gain (dBi)	EIRP (dBm)	AFC Response EIRP Limit (dBm)	Result	PSD (dBm/MHz)	PSD Directional Gain (dBi)	EIRP PSD (dBm/MHz)	AFC Response EIRP PSD Limit (dBm/MHz)	Result
6135	LPI	20	13.98	4.20	18.18	-	N/A	0.26	4.20	4.46	5	Pass
6135	SP	20	28.06	4.20	32.26	36	Pass	14.41	4.20	18.61	-	N/A
6135	LPI	20	14.06	4.20	18.26	-	N/A	0.39	4.20	4.59	5	Pass

AFC Capability – Inquired Frequency & Channel

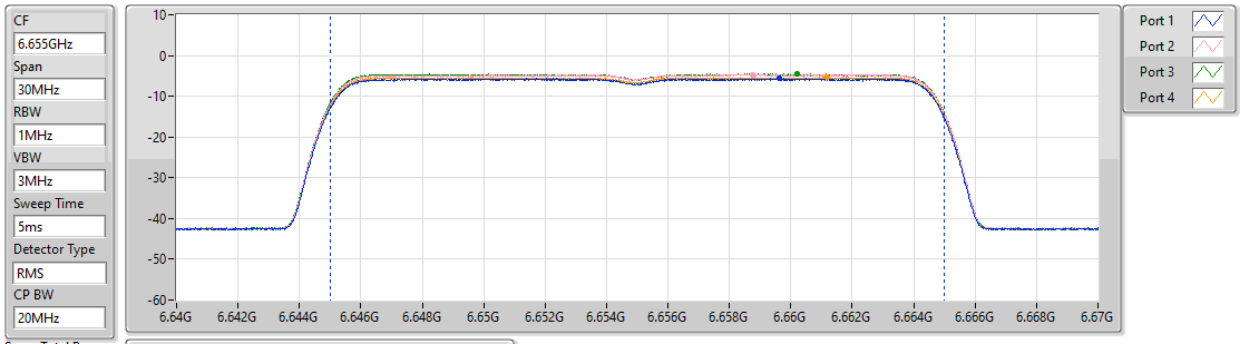
AFCD.UAU: Unsuccessful spectrum access update												
Freq (MHz)	Mode (LPI or SP)	Bandwidth (MHz)	Power (dBm)	Power Directional Gain (dBi)	EIRP (dBm)	AFC Response EIRP Limit (dBm)	Result	PSD (dBm/MHz)	PSD Directional Gain (dBi)	EIRP PSD (dBm/MHz)	AFC Response EIRP PSD Limit (dBm/MHz)	Result
6655	LPI	20	13.22	5.31	18.53	-	N/A	-0.51	5.31	4.80	5	Pass
6655	SP	20	13.26	5.31	18.57	36	Pass	-0.49	5.31	4.82	23	Pass
6655	LPI	20	13.09	5.31	18.40	-	N/A	-0.59	5.31	4.72	5	Pass

AFC Capability – Inquired Frequency

Frequency (MHz): 6655

6.525-6.875GHz_802.11be EHT20_4TX **AV Power**

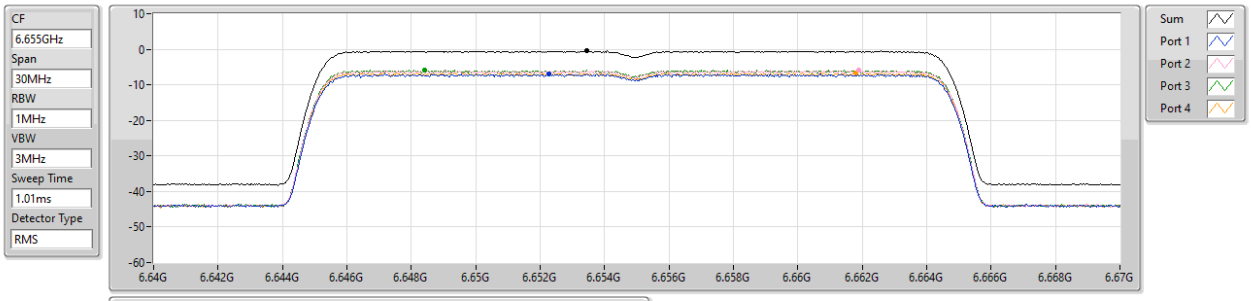
6655MHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.16	6.51	7.49	7.63	6.82

6.525-6.875GHz_802.11be EHT20_4TX **PSD**

6655MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.45	-0.45	-6.98	-5.91	-5.86	-6.68

AFC Capability – Inquired Frequency

Frequency (MHz): 6655

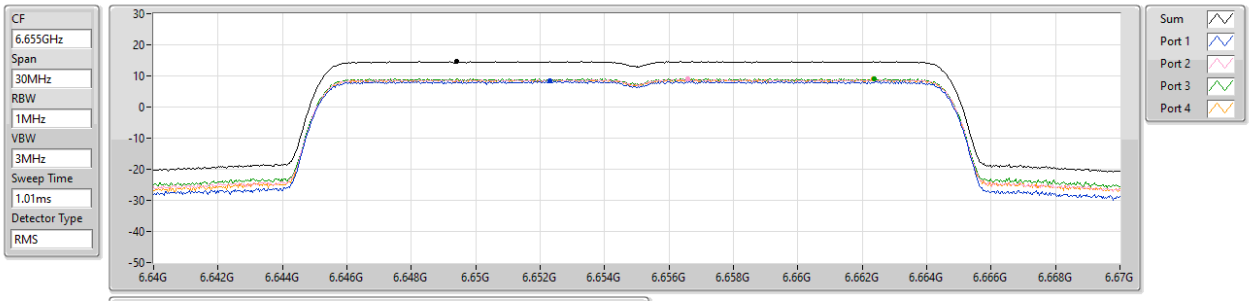
6.525-6.875GHz_802.11be EHT20_4TX **AV Power**

6655MHz_TX

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
28.33	21.79	22.42	22.66	22.33

6.525-6.875GHz_802.11be EHT20_4TX **PSD**

6655MHz



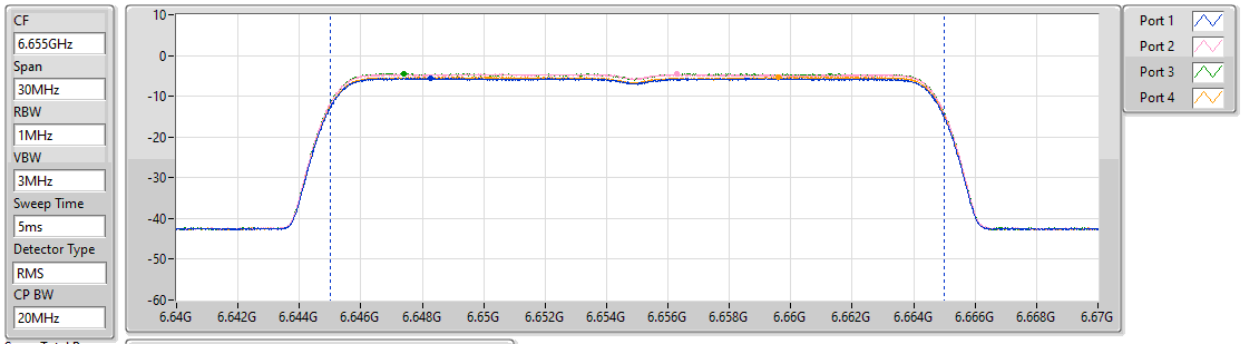
Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)
14.64	14.64	8.38	8.96	9.20	8.93

AFC Capability – Inquired Frequency

Frequency (MHz): 6655

6.525-6.875GHz_802.11be EHT20_4TX **AV Power**

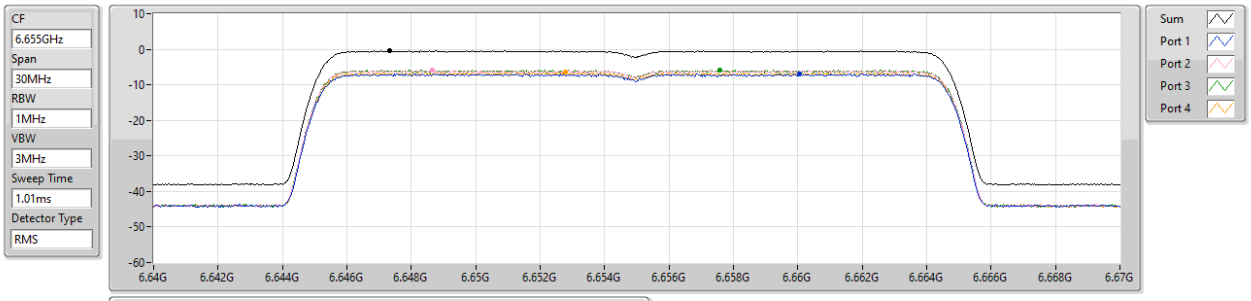
6655MHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.25	6.60	7.61	7.70	6.89

6.525-6.875GHz_802.11be EHT20_4TX **PSD**

6655MHz



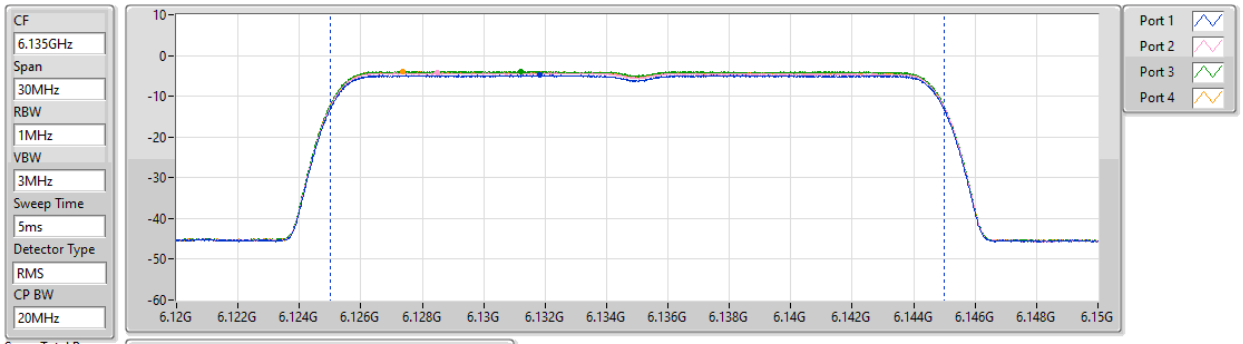
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.46	-0.46	-6.82	-5.83	-5.78	-6.47

AFC Capability – Inquired Channel

Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_4TX **AV Power**

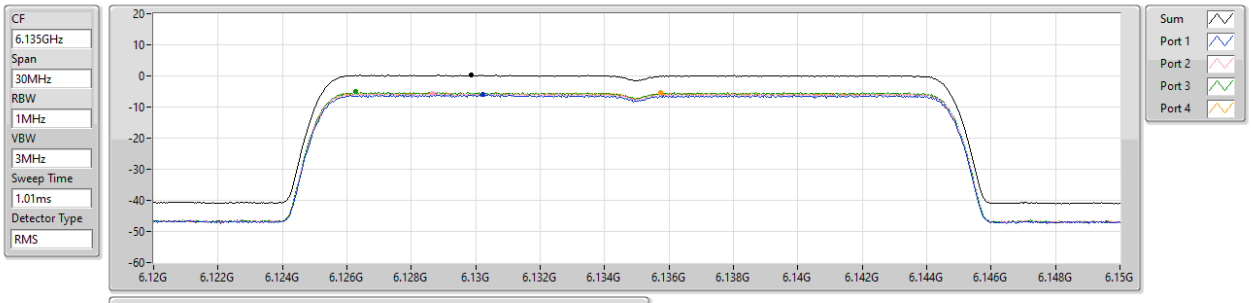
6135MHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.98	7.37	7.91	8.31	8.18

5.925-6.425GHz_802.11be EHT20_4TX **PSD**

6135MHz



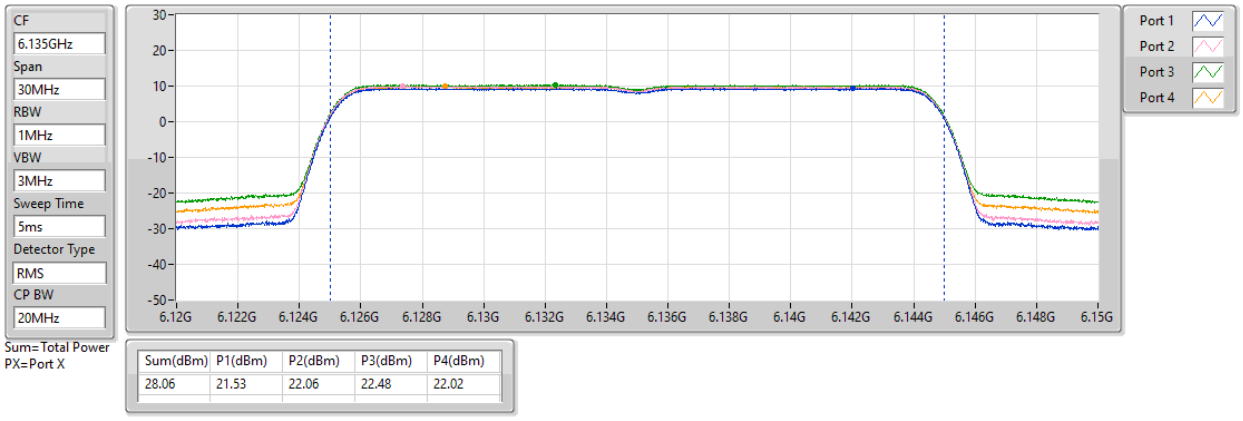
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.26	0.26	-5.96	-5.62	-5.00	-5.39

AFC Capability – Inquired Channel

Frequency (MHz): 6135

5.925-6.425GHz_802.11be EHT20_4TX **AV Power**

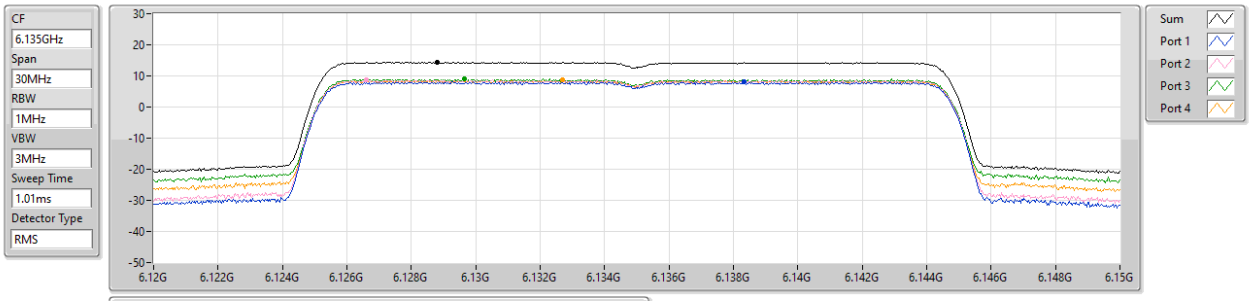
6135MHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
28.06	21.53	22.06	22.48	22.02

5.925-6.425GHz_802.11be EHT20_4TX **PSD**

6135MHz



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)
14.41	14.41	8.12	8.63	8.93	8.65

AFC Capability – Inquired Channel

Frequency (MHz): 6135

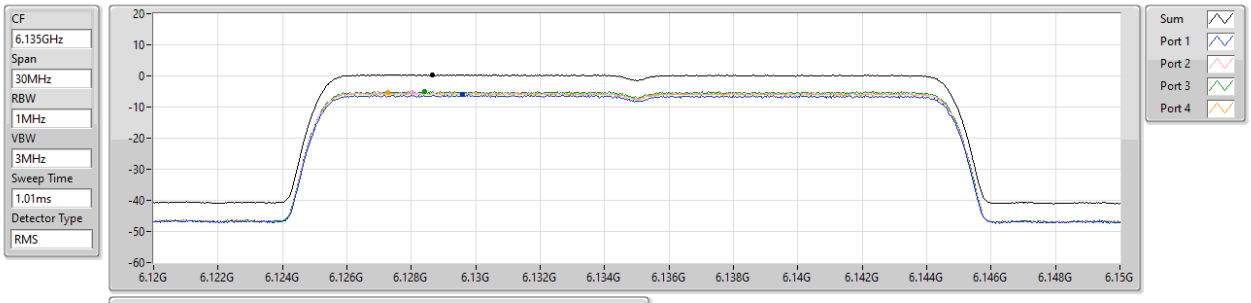
5.925-6.425GHz_802.11be EHT20_4TX **AV Power**

6135MHz_TX

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.06	7.35	8.15	8.49	8.10

5.925-6.425GHz_802.11be EHT20_4TX **PSD**

6135MHz



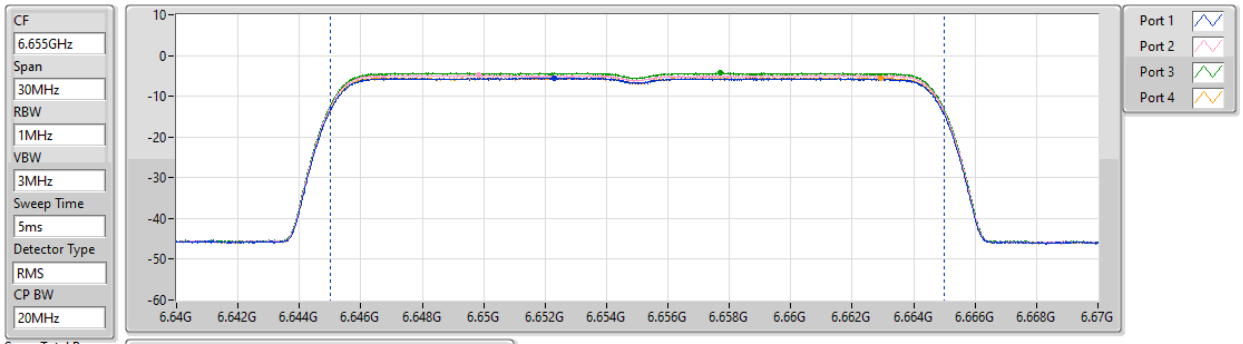
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.39	0.39	-6.02	-5.24	-4.97	-5.33

AFC Capability – Inquired Frequency & Channel

Frequency (MHz): 6655

6.525-6.875GHz_802.11be EHT20_4TX **AV Power**

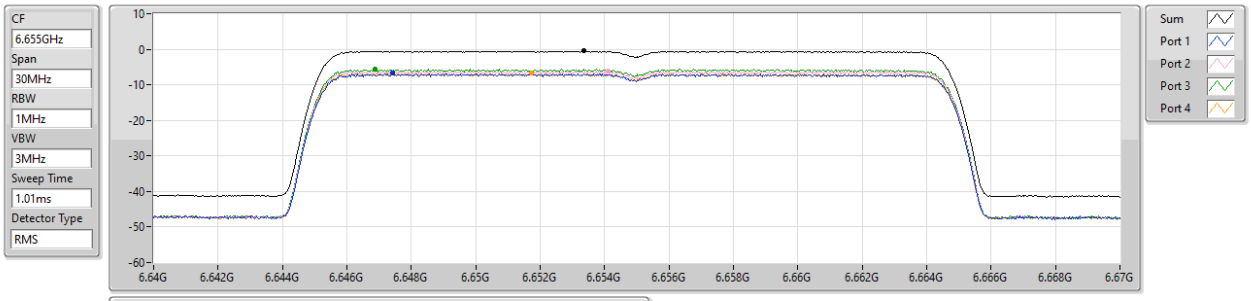
6655MHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.22	6.65	7.38	7.92	6.70

6.525-6.875GHz_802.11be EHT20_4TX **PSD**

6655MHz



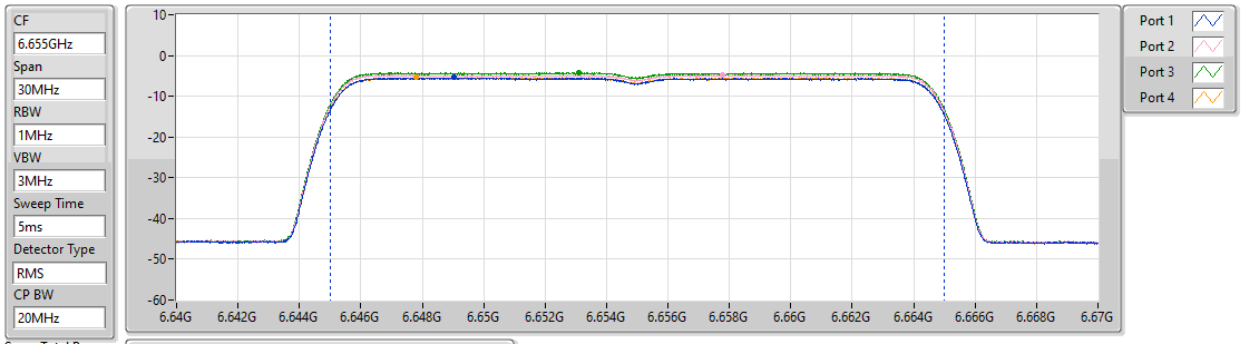
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.51	-0.51	-6.76	-6.14	-5.58	-6.75

AFC Capability – Inquired Frequency & Channel

Frequency (MHz): 6655

6.525-6.875GHz_802.11be EHT20_4TX **AV Power**

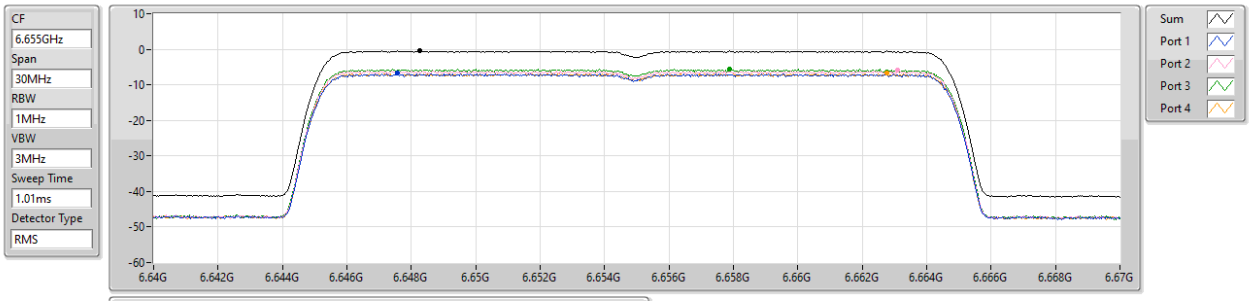
6655MHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.26	6.68	7.45	7.96	6.73

6.525-6.875GHz_802.11be EHT20_4TX **PSD**

6655MHz



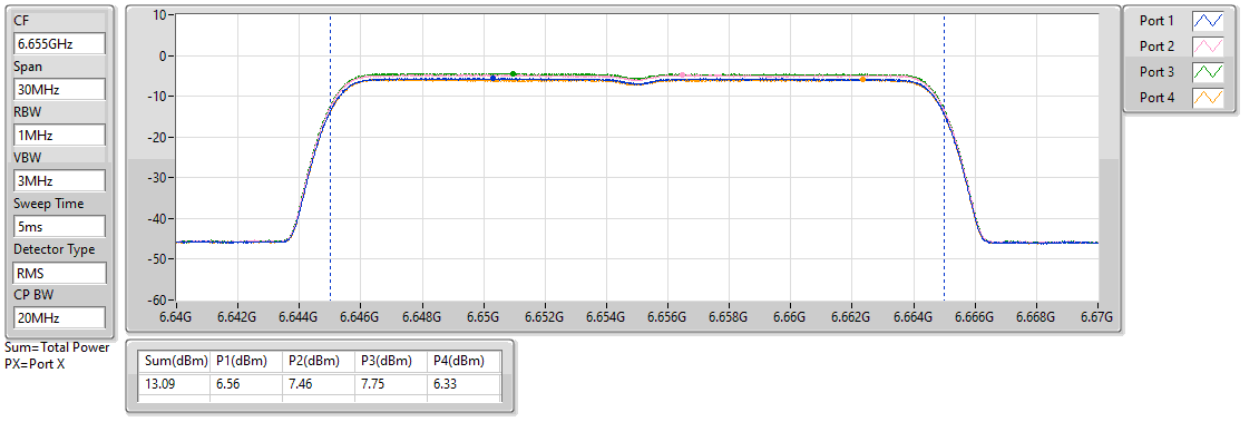
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.49	-0.49	-6.80	-5.97	-5.50	-6.77

AFC Capability – Inquired Frequency & Channel

Frequency (MHz): 6655

6.525-6.875GHz_802.11be EHT20_4TX **AV Power**

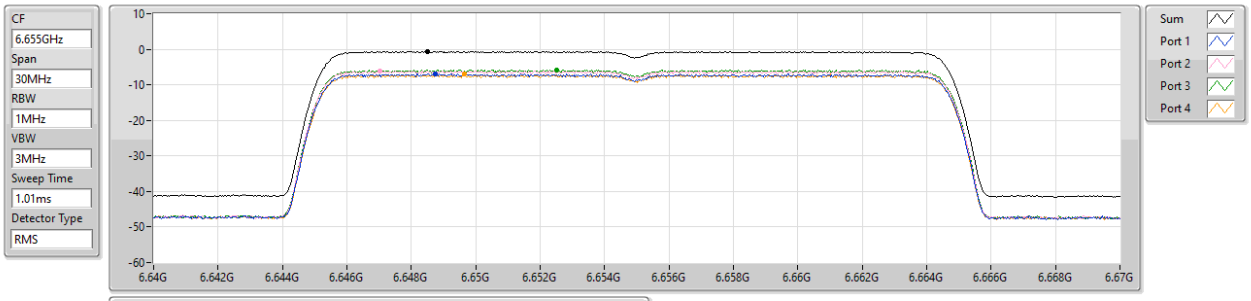
6655MHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.09	6.56	7.46	7.75	6.33

6.525-6.875GHz_802.11be EHT20_4TX **PSD**

6655MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.59	-0.59	-6.94	-6.03	-5.75	-6.98

AFC DUT Compliance Test Report

AFC DUT Compliance Test Report

DUT Information

AFC DUT System	Standard Power AP
DUT Vendor Name	Gemtek
DUT Product Model	W1701K

Test Result

FCC Requirements	TestCaseName	Test Result
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)	PASS
15.407(k)(8)(v)	CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)	PASS

Test Measurements

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NoRootCA_10639_1 (Unsuccessful server validation)
TestResult:PASS

3.5_10632-10639.html[2025/2/27 上午 09:21:17]

AFC DUT Compliance Test Report

Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_TLSCipherSuiteENULL_10638_1
(Unsuccessful server validation)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_StapledOCSPRespExpired_10637_1
(Unsuccessful server validation)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_OCSPStaplingDisabled_10636_1
(Unsuccessful server validation)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

3.5_10632-10639.html[2025/2/27 上午 09:21:17]

AFC DUT Compliance Test Report

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_ServerCertRevoked_10635_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_MatchSuffixSAN_10634_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_DifferentRootCA_10633_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result
AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS

TestCaseName: CT_AFC_ServerValidation_AP_AFCDUSV35_NonMatchSAN_10632_1 (Unsuccessful server validation)
TestResult:PASS
Band:6GHz

Measurements Name	Description	Value	Validation Result

3.5_10632-10639.html[2025/2/27 上午 09:21:17]

AFC DUT Compliance Test Report

AFC_DUT_SEND_SPECTRUM_INQUIRYREQUEST	AFC DUT sends an Available Spectrum Inquiry Request	false	PASS