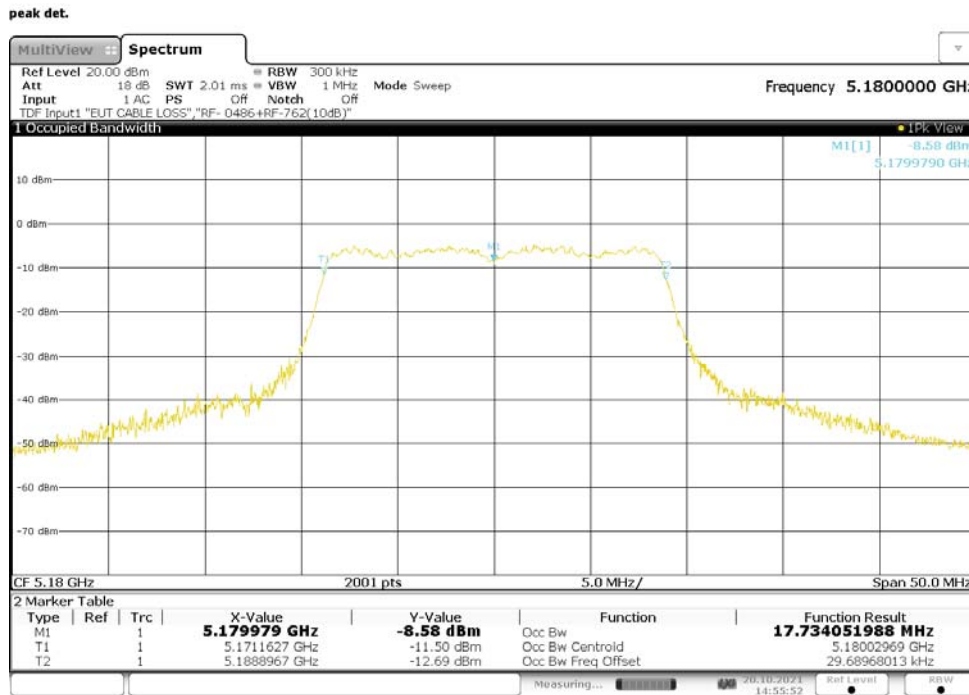


**Table 90: 99% Bandwidth, 802.11ac-20, SISO, RF0**

Operating Frequency [MHz]	99% Bandwidth [MHz]
5180	17.734
5220	17.735
5240	17.736
5745	17.731
5785	17.742
5825	17.744

**Figure 71: 99% Bandwidth, 802.11ac-20, SISO, RF0, 5180MHz**



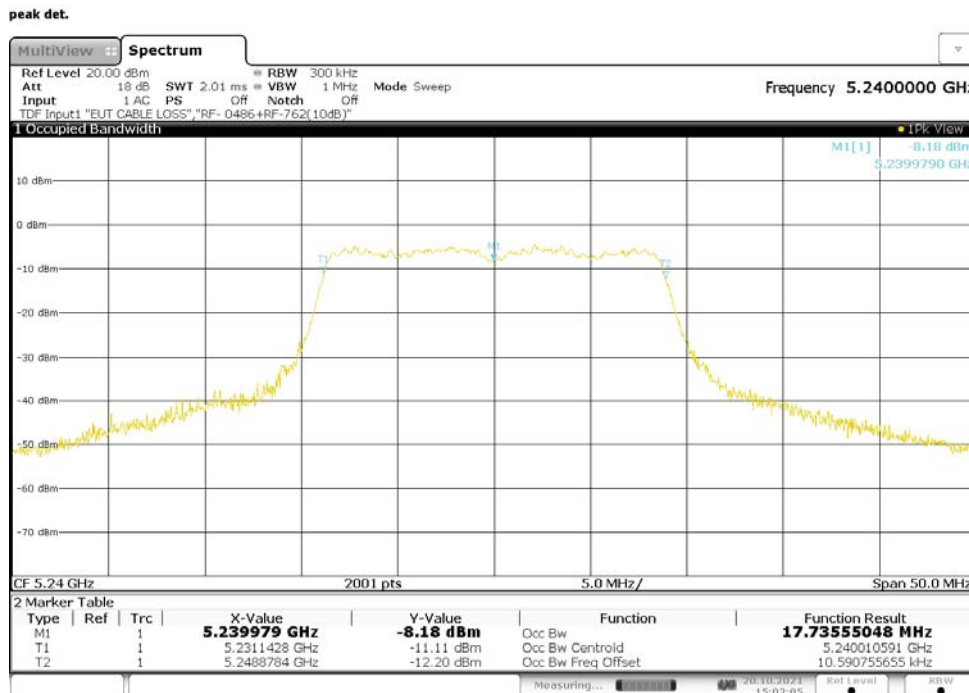
14:55:53 20.10.2021

Figure 72: 99% Bandwidth, 802.11ac-20, SISO, RF0, 5220MHz



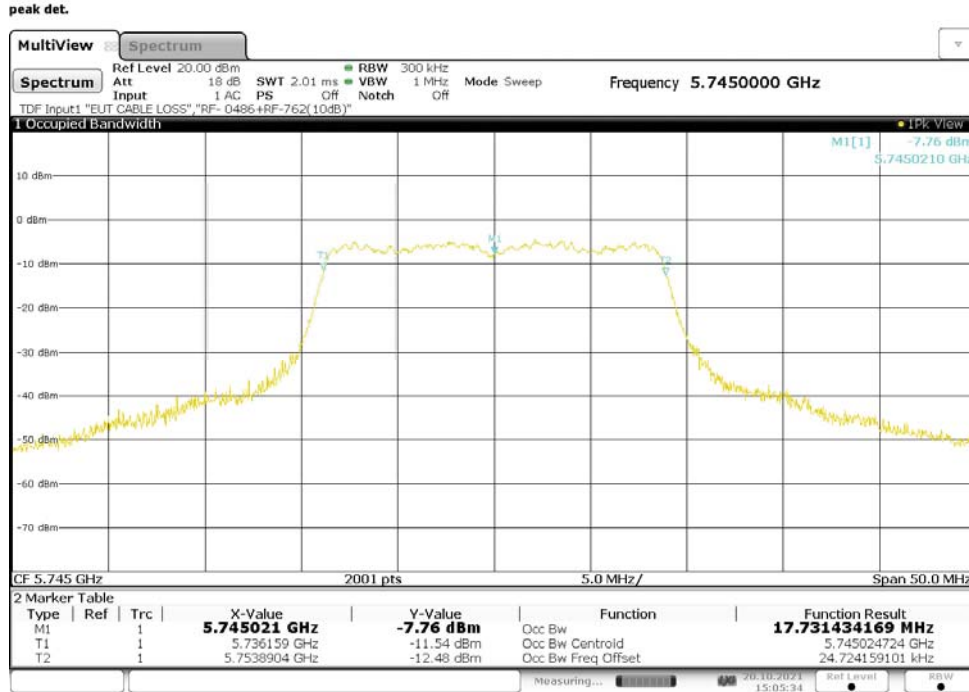
14:59:32 20.10.2021

Figure 73: 99% Bandwidth, 802.11ac-20, SISO, RF0, 5240MHz



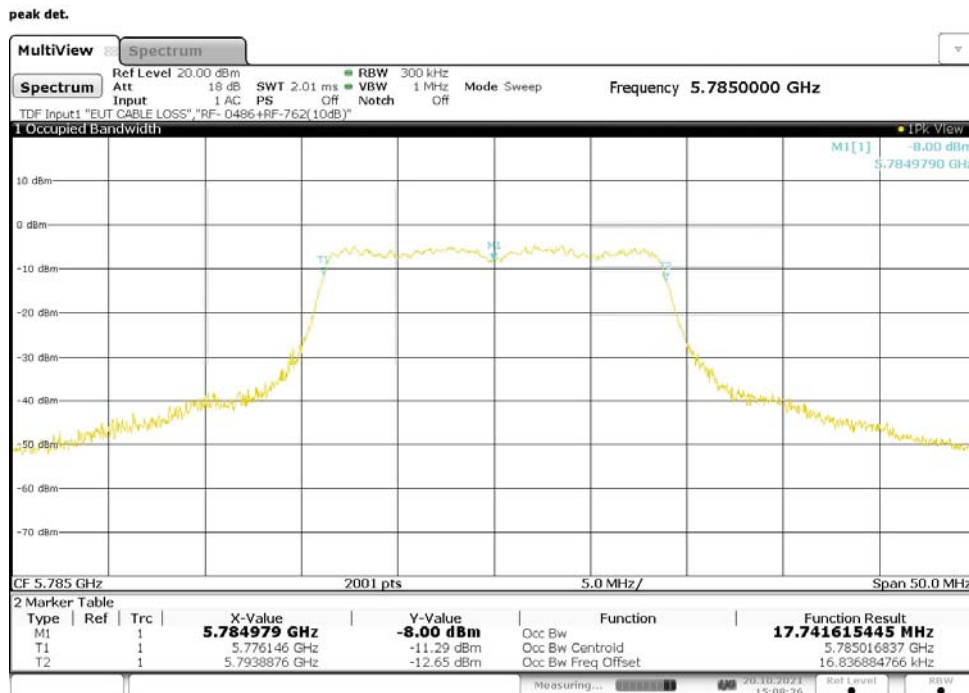
15:02:06 20.10.2021

**Figure 74: 99% Bandwidth, 802.11ac-20, SISO, RF0, 5745MHz**



15:05:34 20.10.2021

**Figure 75: 99% Bandwidth, 802.11ac-20, SISO, RF0, 5785MHz**



15:08:27 20.10.2021

**Figure 76: 99% Bandwidth, 802.11ac-20, SISO, RF0, 5825MHz**

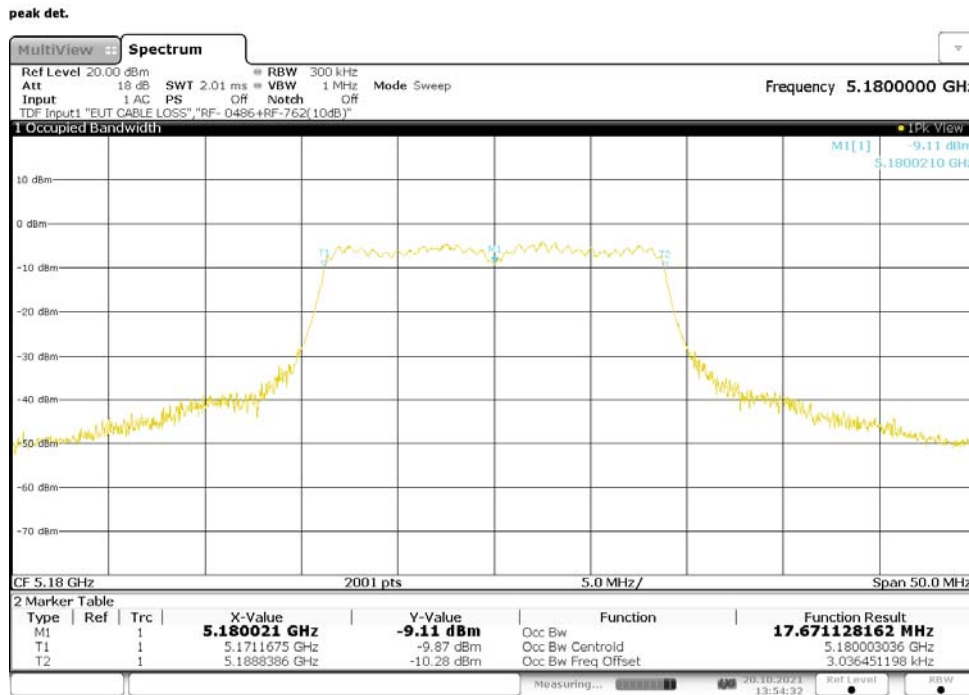


15:12:05 20.10.2021

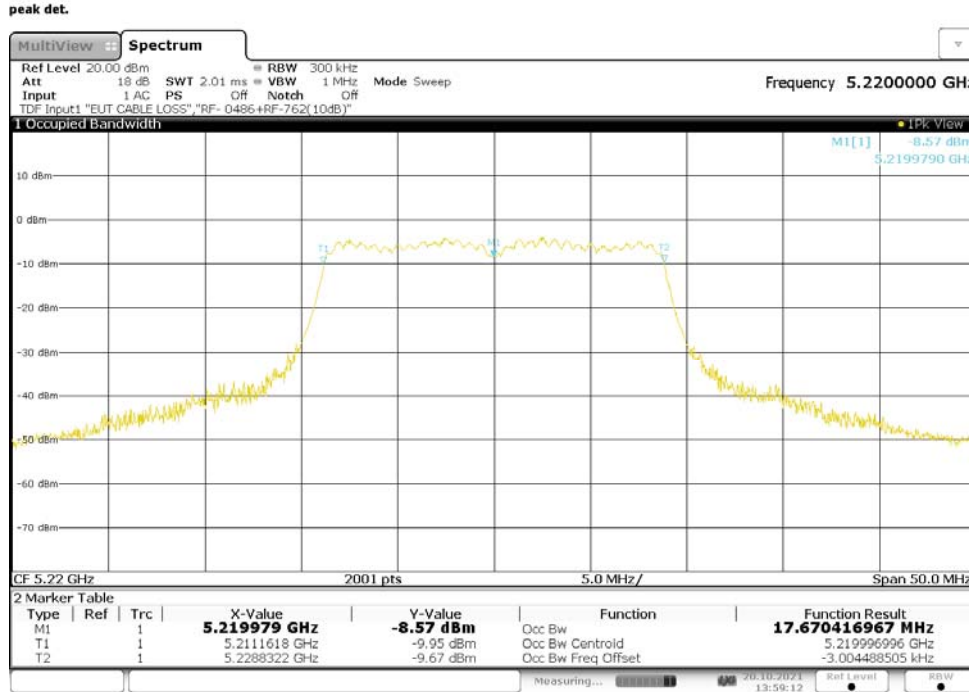
**Table 91: 99% Bandwidth, 802.11ac-20, CDD, RF0**

Operating Frequency [MHz]	99% Bandwidth [MHz]
5180	17.671
5220	17.670
5240	17.670
5745	17.670
5785	17.676
5825	17.676

**Figure 77: 99% Bandwidth, 802.11ac-20, CDD, RF0, 5180MHz**

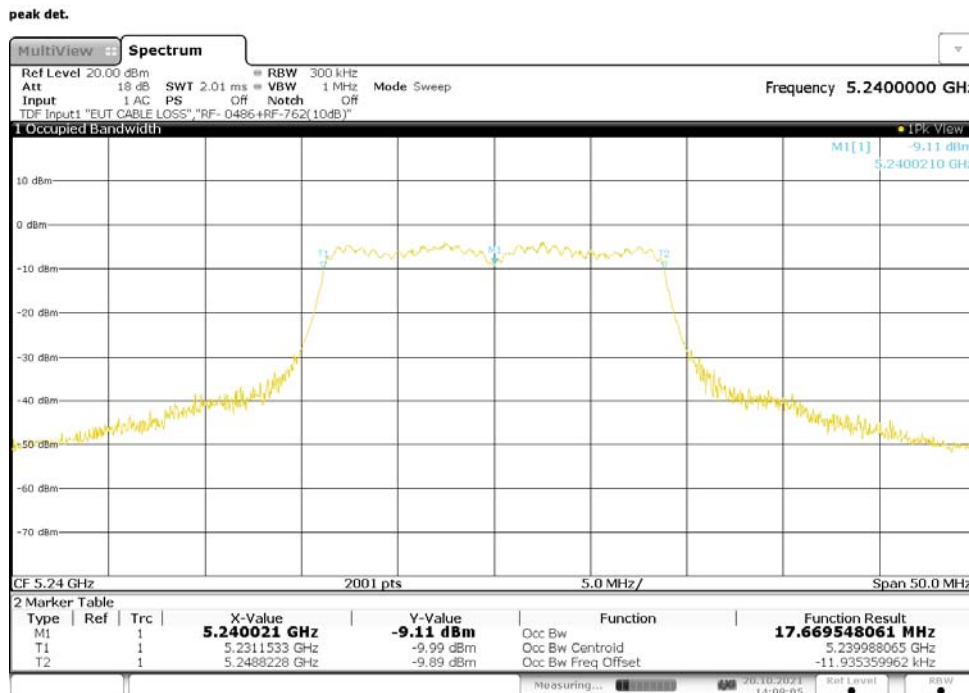


**Figure 78: 99% Bandwidth, 802.11ac-20, CDD, RF0, 5220MHz**



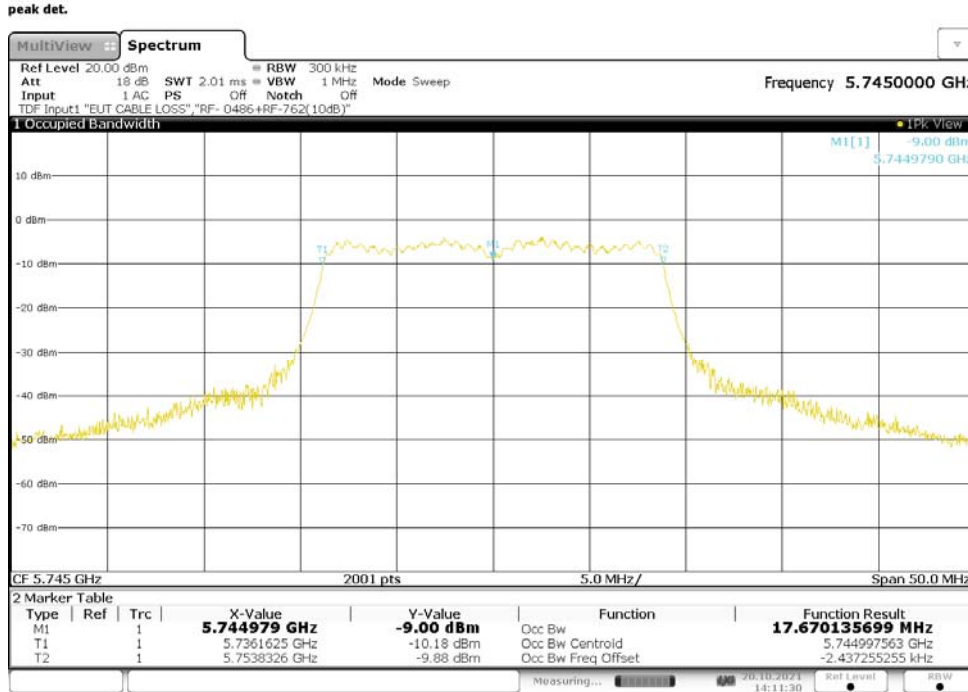
13:59:12 20.10.2021

**Figure 79: 99% Bandwidth, 802.11ac-20, CDD, RF0, 5240MHz**



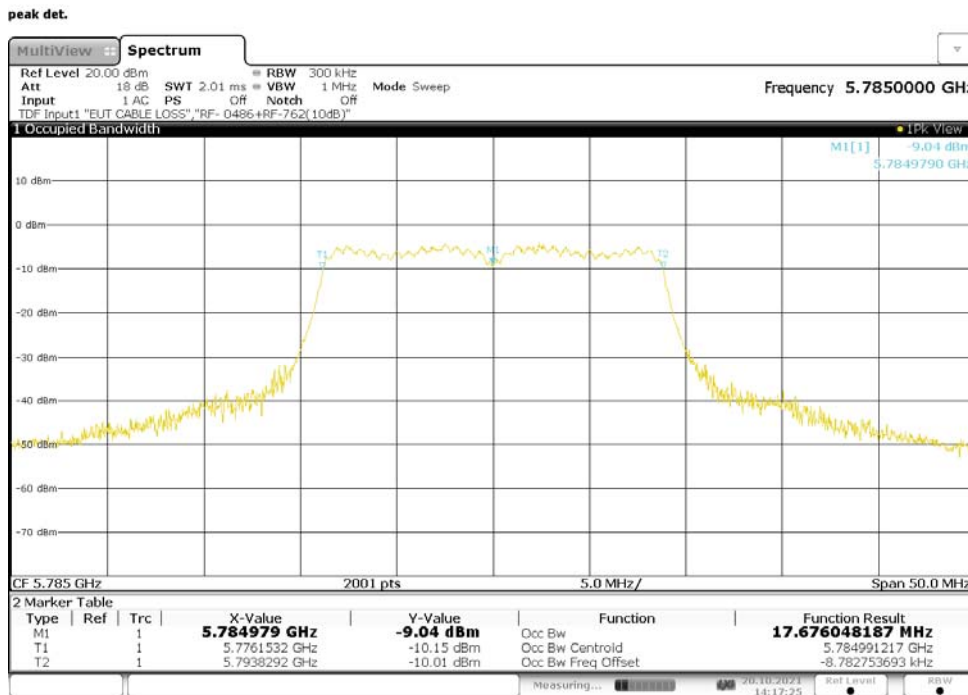
14:09:05 20.10.2021

**Figure 80: 99% Bandwidth, 802.11ac-20, CDD, RF0, 5745MHz**



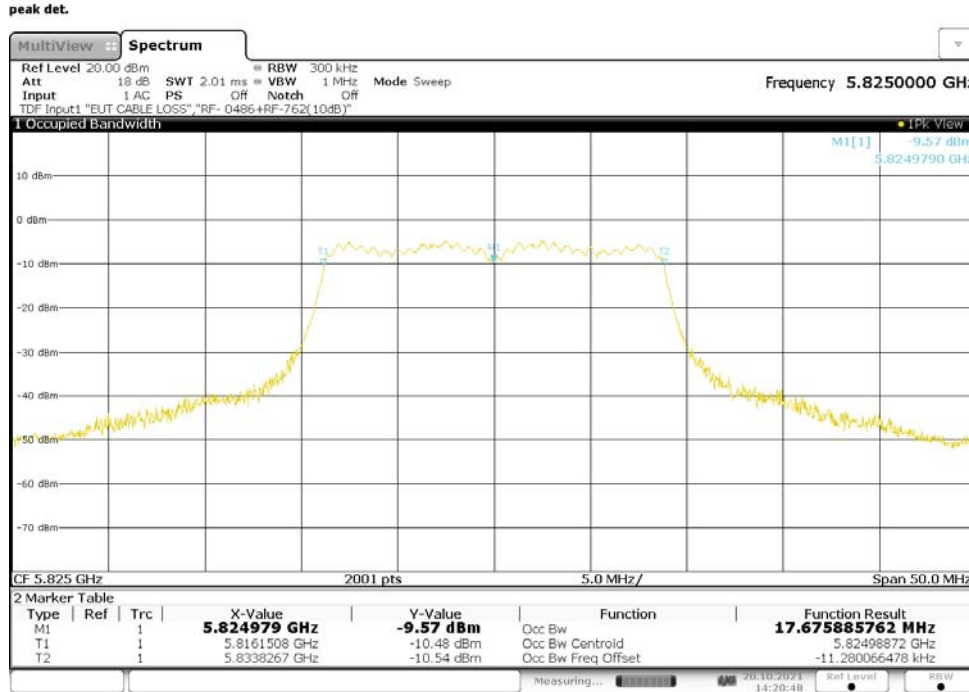
14:11:31 20.10.2021

**Figure 81: 99% Bandwidth, 802.11ac-20, CDD, RF0, 5785MHz**



14:17:26 20.10.2021

**Figure 82: 99% Bandwidth, 802.11ac-20, CDD, RF0, 5825MHz**



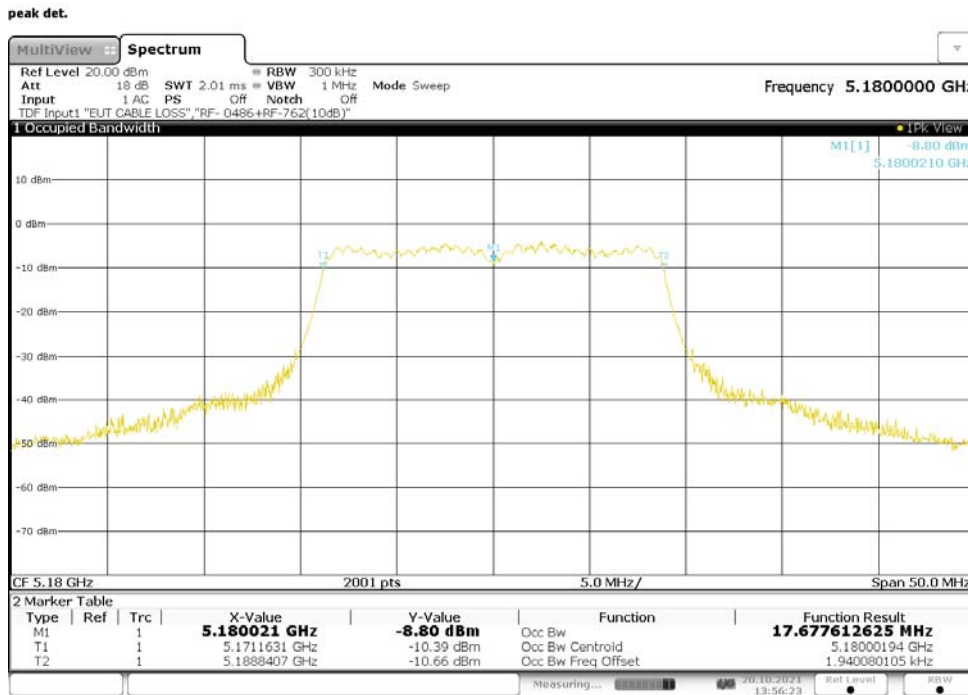
14:20:48 20.10.2021



**Table 92: 99% Bandwidth, 802.11ac-20, MIMO, RF0**

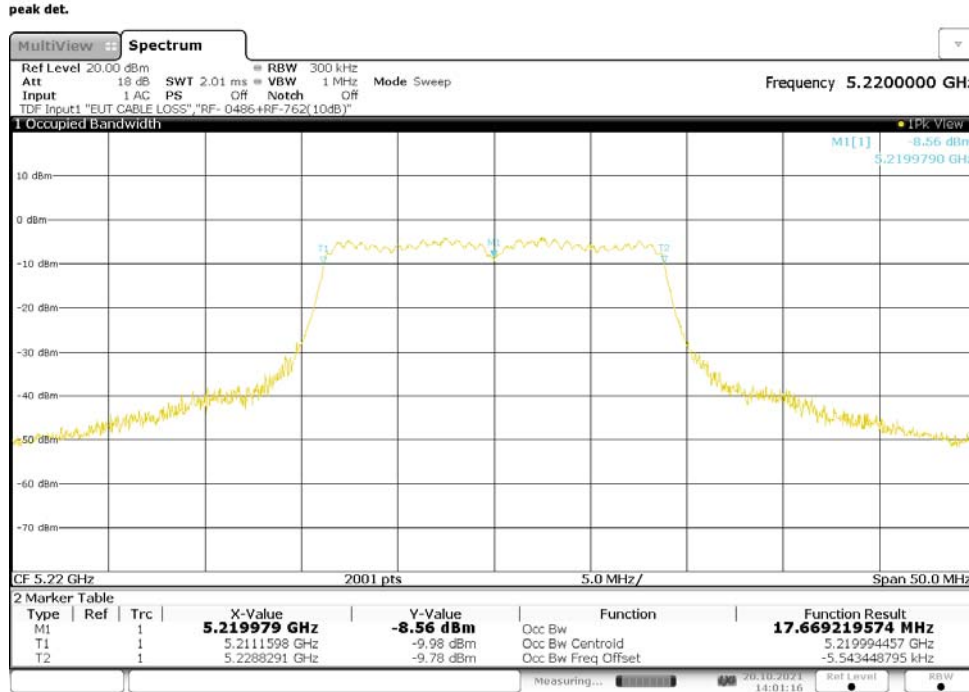
Operating Frequency [MHz]	99% Bandwidth [MHz]
5180	17.678
5220	17.669
5240	17.679
5745	17.675
5785	17.675
5825	17.675

**Figure 83: 99% Bandwidth, 802.11ac-20, MIMO, RF0, 5180MHz**



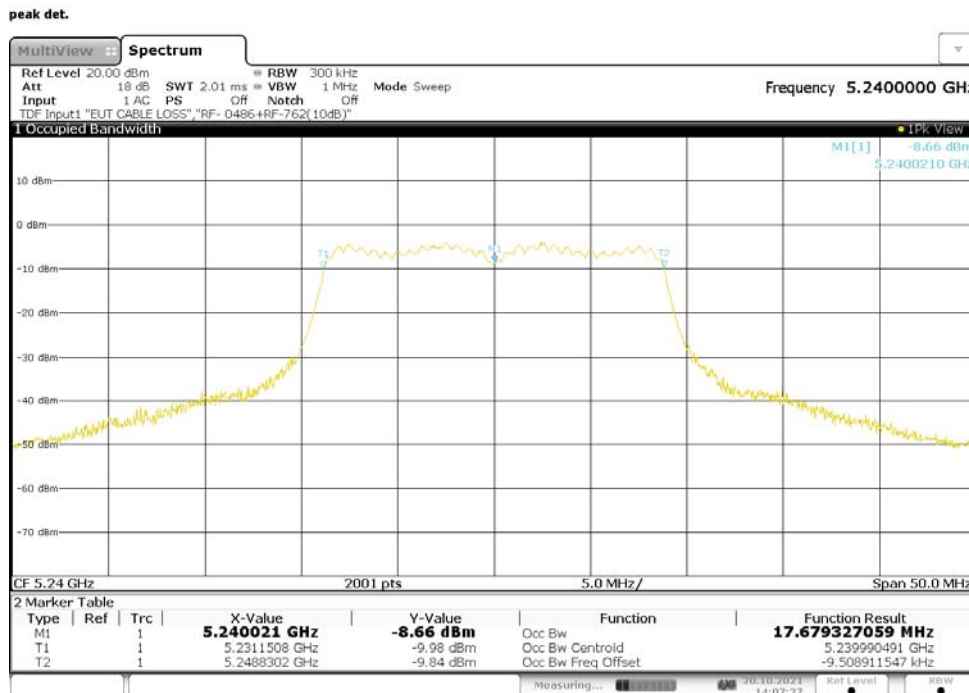
13:56:23 20.10.2021

Figure 84: 99% Bandwidth, 802.11ac-20, MIMO, RF0, 5220MHz



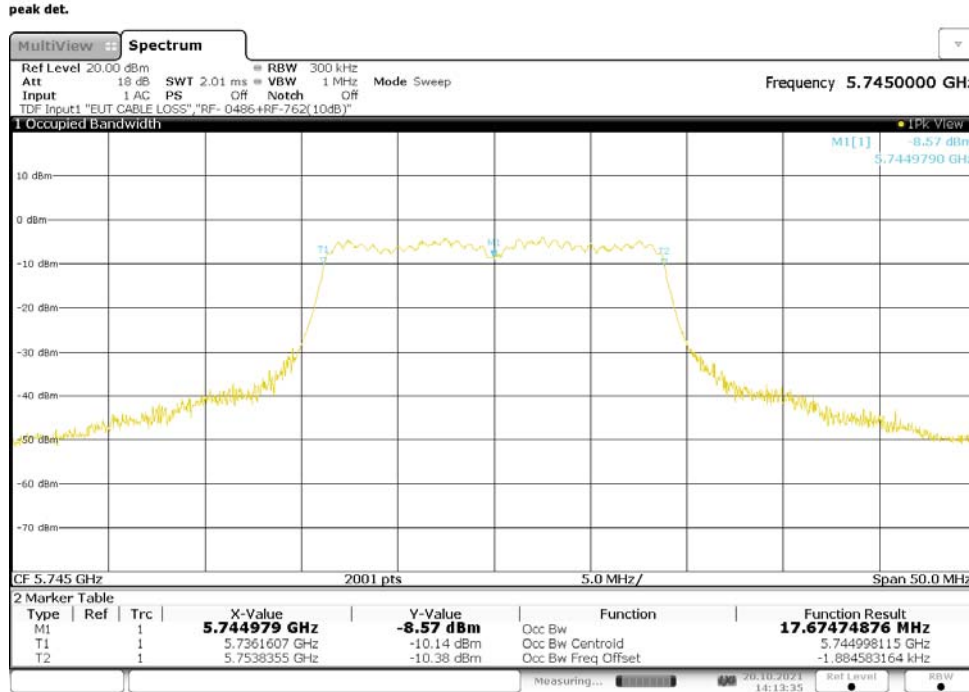
14:01:17 20.10.2021

Figure 85: 99% Bandwidth, 802.11ac-20, MIMO, RF0, 5240MHz



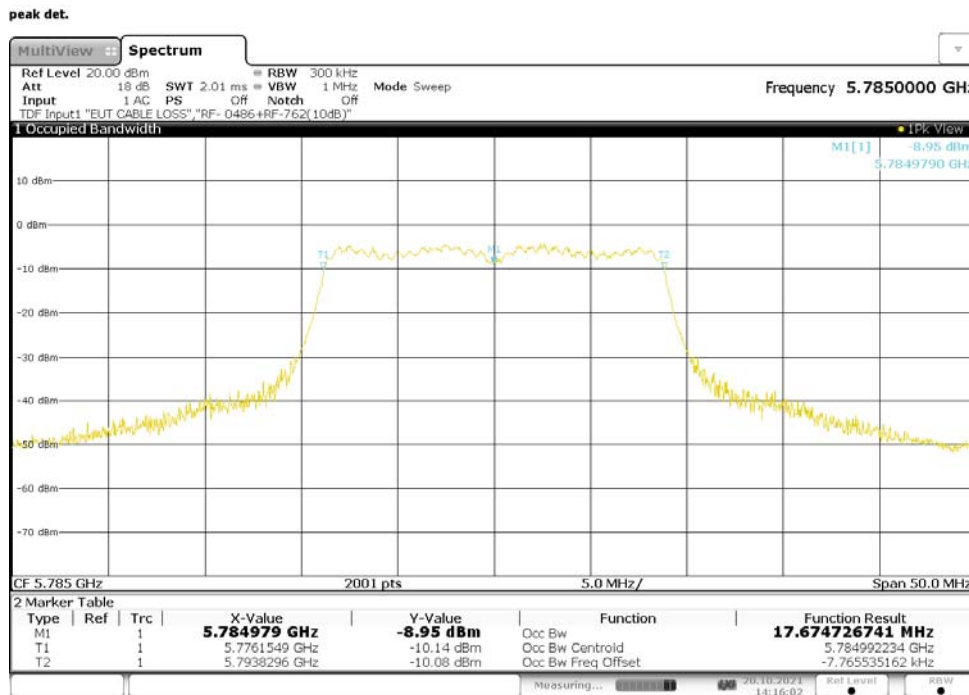
14:07:28 20.10.2021

Figure 86: 99% Bandwidth, 802.11ac-20, MIMO, RF0, 5745MHz



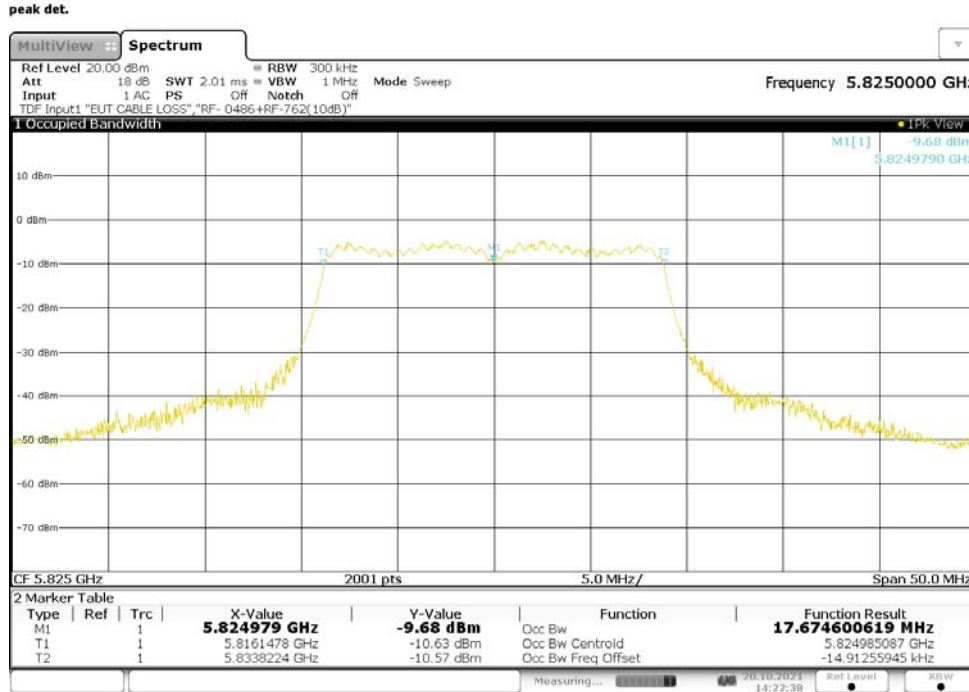
14:13:36 20.10.2021

Figure 87: 99% Bandwidth, 802.11ac-20, MIMO, RF0, 5785MHz



14:16:03 20.10.2021

**Figure 88: 99% Bandwidth, 802.11ac-20, MIMO, RF0, 5825MHz**



14:22:39 20.10.2021

**Table 93: 99% Bandwidth, 802.11n-40, SISO, RF0**

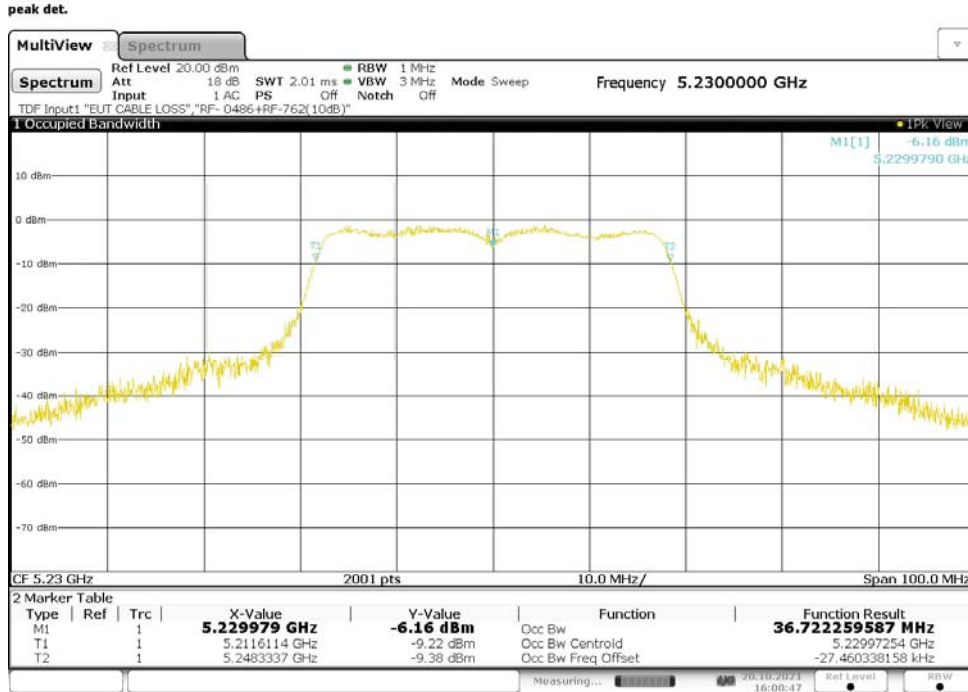
Operating Frequency [MHz]	99% Bandwidth [MHz]	Remarks
5190	36.760	
5230	36.722	
5755	36.753	Widest, 36M7D1D
5795	36.741	

**Figure 89: 99% Bandwidth, 802.11n-40, SISO, RF0, 5190MHz**



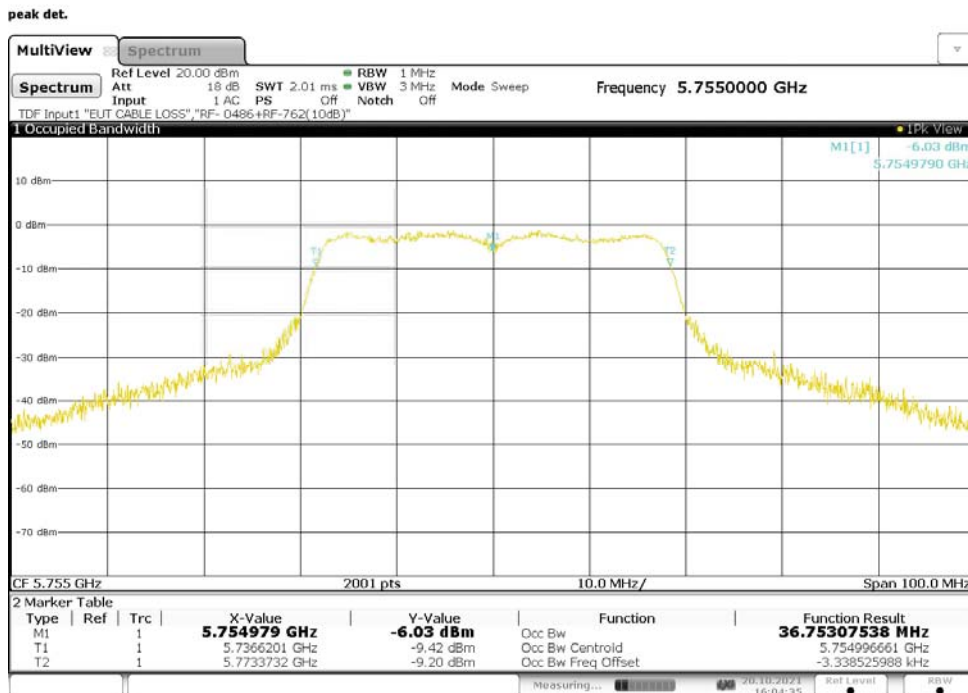
15:58:16 20.10.2021

Figure 90: 99% Bandwidth, 802.11n-40, SISO, RF0, 5230MHz



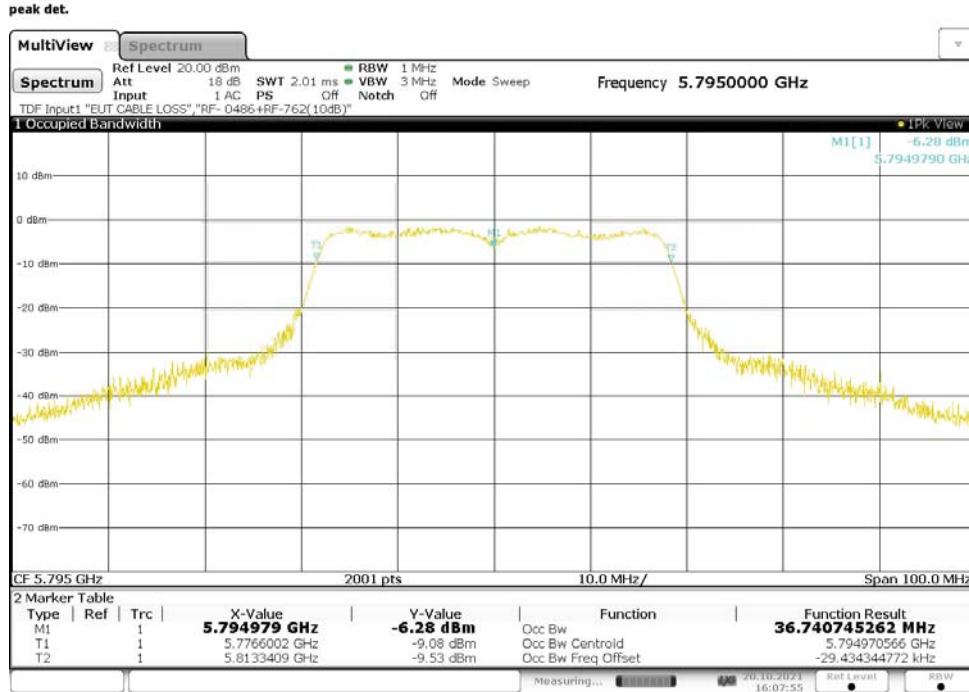
16:00:47 20.10.2021

Figure 91: 99% Bandwidth, 802.11n-40, SISO, RF0, 5755MHz



16:04:36 20.10.2021

Figure 92: 99% Bandwidth, 802.11n-40, SISO, RF0, 5795MHz



16:07:55 20.10.2021

**Table 94: 99% Bandwidth, 802.11n-40, CDD, RF0**

Operating Frequency [MHz]	99% Bandwidth [MHz]
5190	36.388
5230	36.378
5755	36.410
5795	36.407

**Figure 93: 99% Bandwidth, 802.11n-40, CDD, RF0, 5190MHz**



16:23:31 20.10.2021

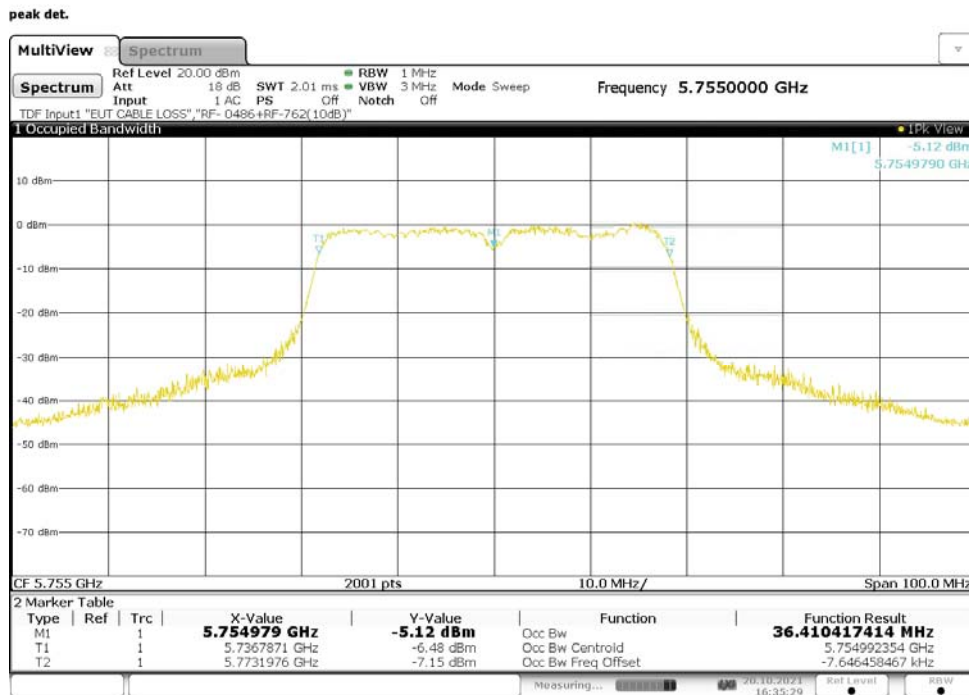


**Figure 94: 99% Bandwidth, 802.11n-40, CDD, RF0, 5230MHz**



16:26:42 20.10.2021

**Figure 95: 99% Bandwidth, 802.11n-40, CDD, RF0, 5755MHz**



16:35:30 20.10.2021

**Figure 96: 99% Bandwidth, 802.11n-40, CDD, RF0, 5795MHz**



16:42:21 20.10.2021

**Table 95: 99% Bandwidth, 802.11n-40, MIMO, RF0**

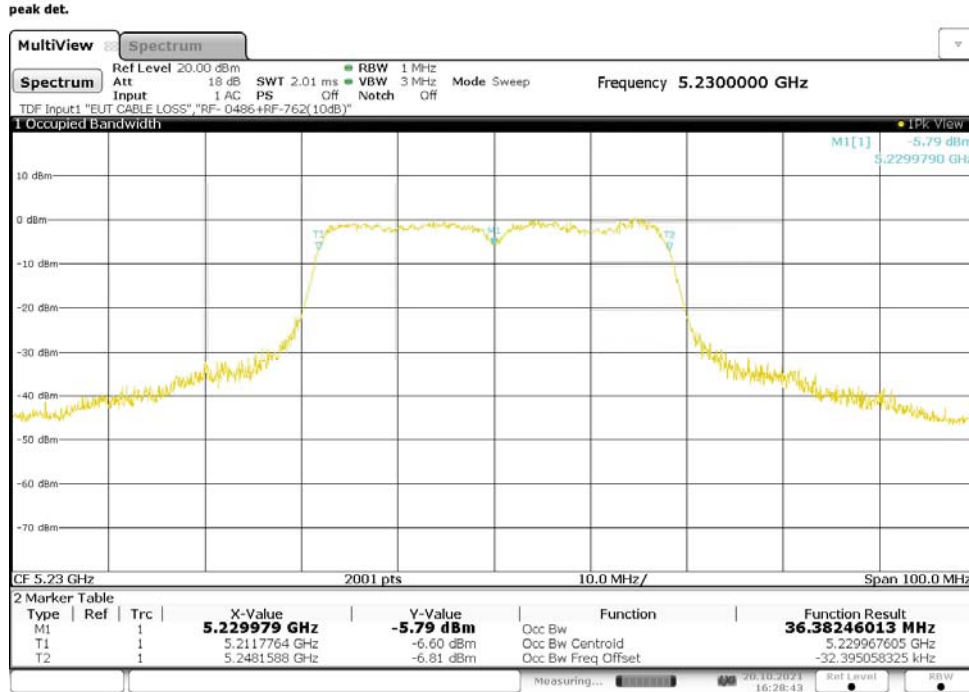
Operating Frequency [MHz]	99% Bandwidth [MHz]	Remarks
5190	36.780	Widest, 36M8D1D
5230	36.382	
5755	36.403	
5795	36.393	

**Figure 97: 99% Bandwidth, 802.11n-40, MIMO, RF0, 5190MHz**



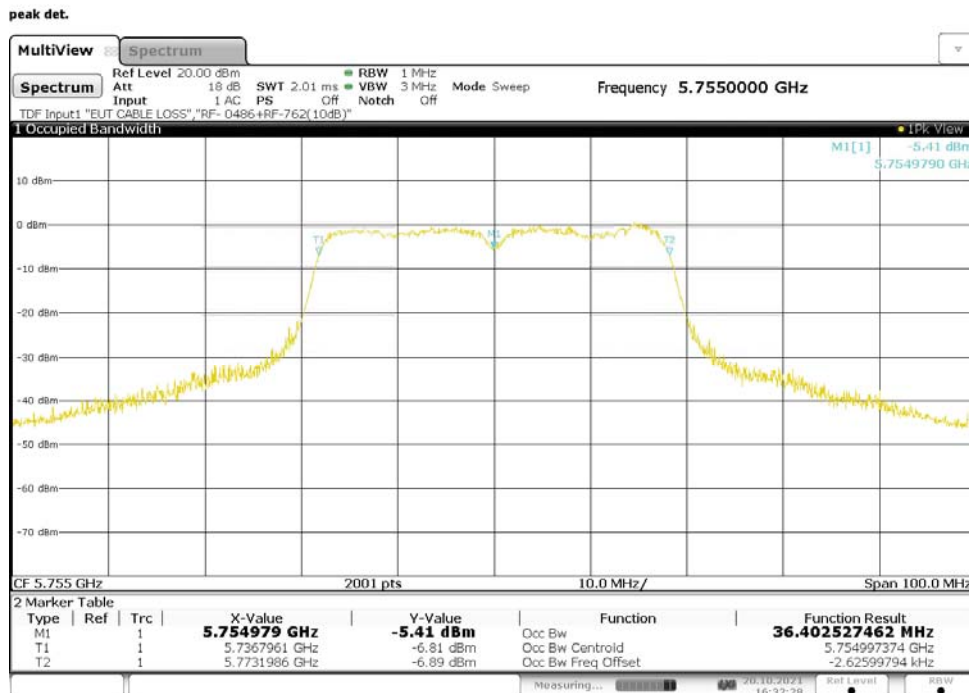
16:20:31 20.10.2021

**Figure 98: 99% Bandwidth, 802.11n-40, MIMO, RF0, 5230MHz**



16:28:43 20.10.2021

**Figure 99: 99% Bandwidth, 802.11n-40, MIMO, RF0, 5755MHz**



16:32:29 20.10.2021

**Figure 100: 99% Bandwidth, 802.11n-40, MIMO, RF0, 5795MHz**

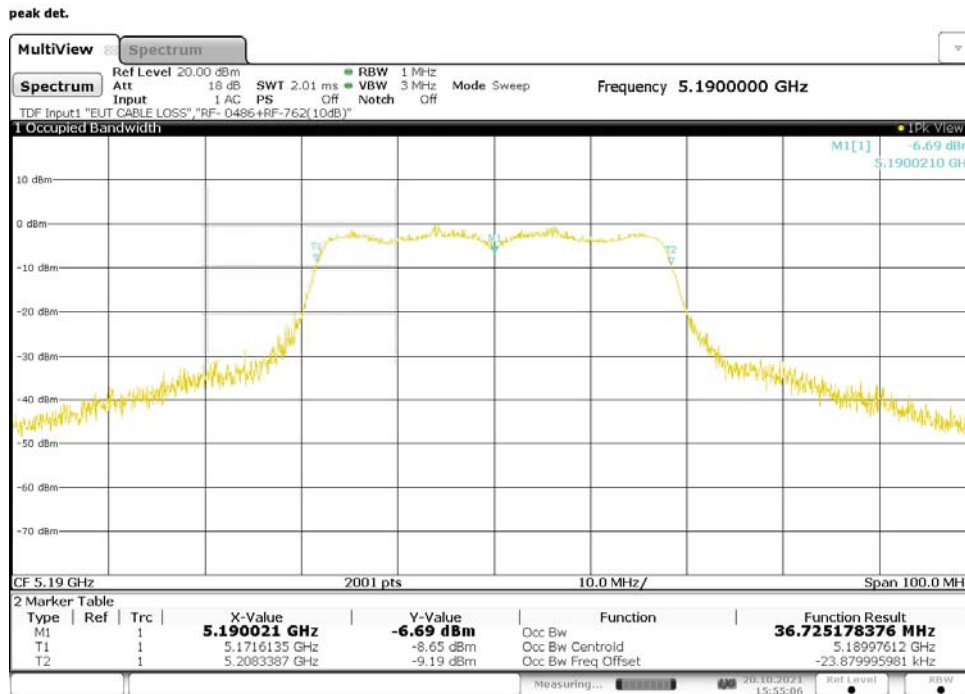


16:46:21 20.10.2021

**Table 96: 99% Bandwidth, 802.11ac-40, SISO, RF0**

Operating Frequency [MHz]	99% Bandwidth [MHz]
5190	36.725
5230	36.711
5755	36.728
5795	36.727

**Figure 101: 99% Bandwidth, 802.11ac-40, SISO, RF0, 5190MHz**



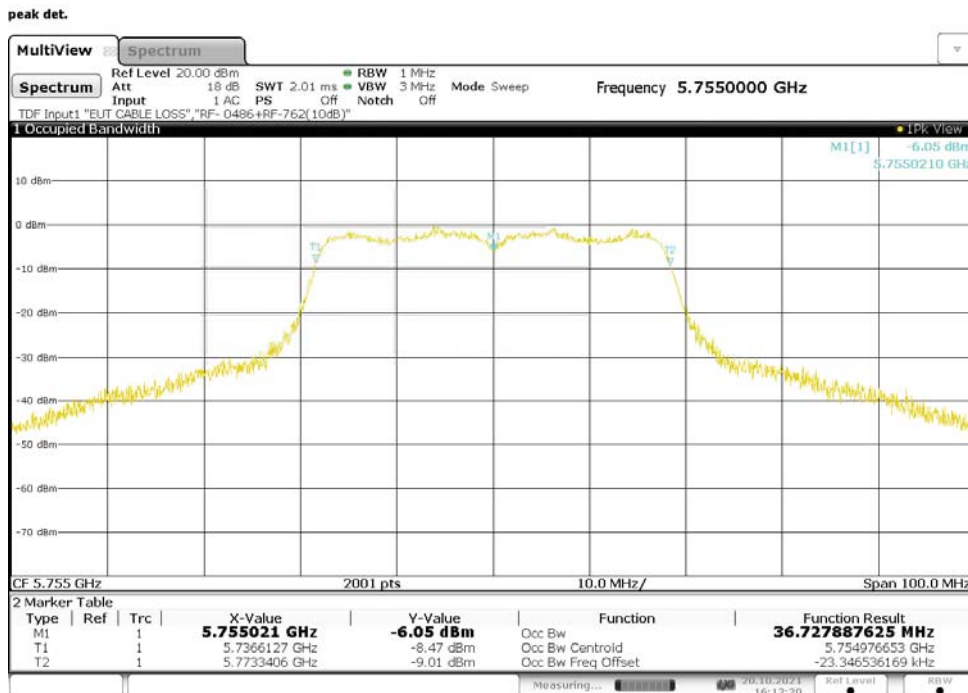
15:55:06 20.10.2021

Figure 102: 99% Bandwidth, 802.11ac-40, SISO, RF0, 5230MHz



15:51:56 20.10.2021

Figure 103: 99% Bandwidth, 802.11ac-40, SISO, RF0, 5755MHz



16:12:21 20.10.2021

Figure 104: 99% Bandwidth, 802.11ac-40, SISO, RF0, 5795MHz



16:16:18 20.10.2021



**Table 97: 99% Bandwidth, 802.11ac-40, CDD, RF0**

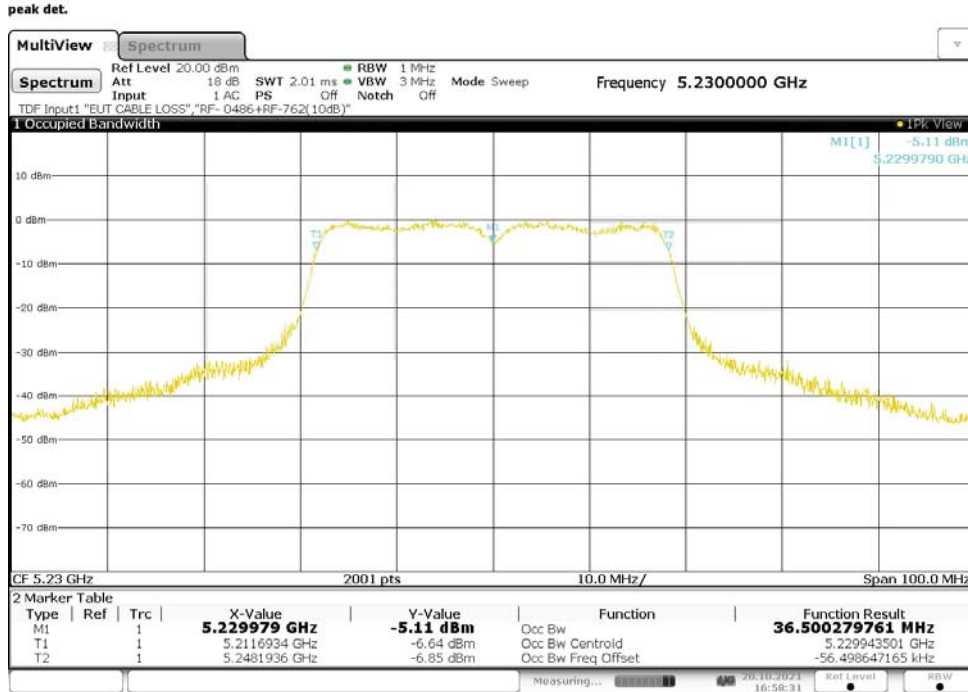
Operating Frequency [MHz]	99% Bandwidth [MHz]
5190	36.480
5230	36.500
5755	36.485
5795	36.488

**Figure 105: 99% Bandwidth, 802.11ac-40, CDD, RF0, 5190MHz**



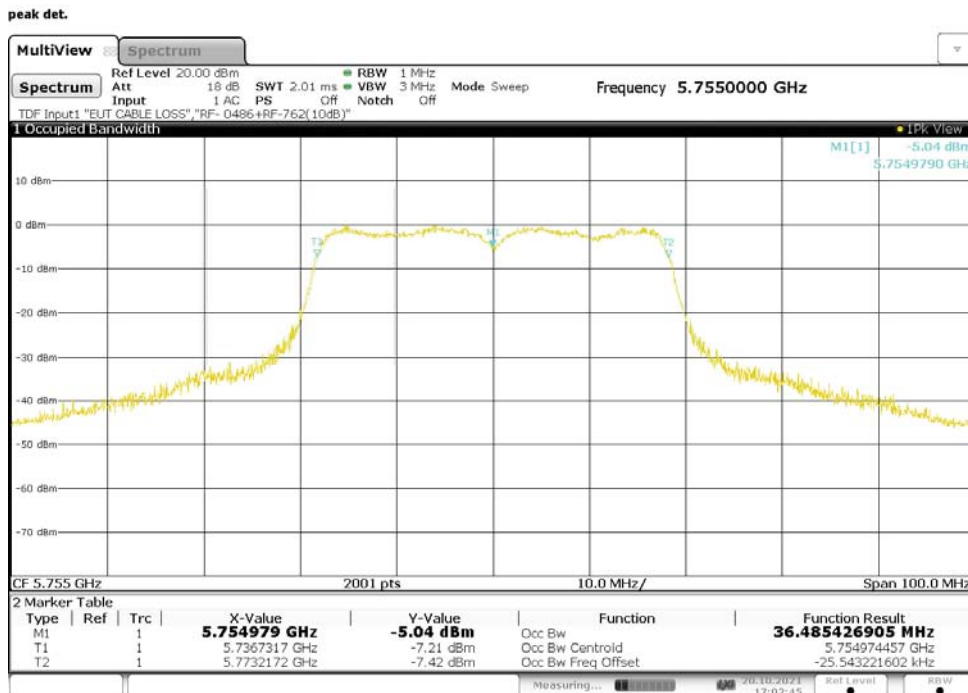
16:49:51 20.10.2021

Figure 106: 99% Bandwidth, 802.11ac-40, CDD, RF0, 5230MHz



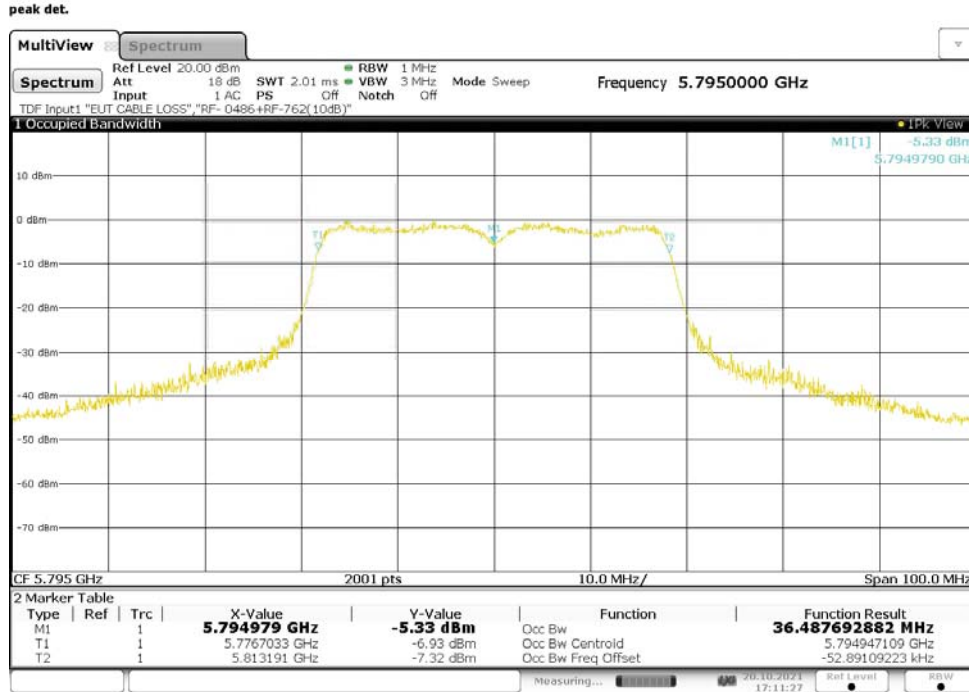
16:58:31 20.10.2021

Figure 107: 99% Bandwidth, 802.11ac-40, CDD, RF0, 5755MHz



17:02:46 20.10.2021

Figure 108: 99% Bandwidth, 802.11ac-40, CDD, RF0, 5795MHz



17:11:27 20.10.2021

**Table 98: 99% Bandwidth, 802.11ac-40, MIMO, RF0**

Operating Frequency [MHz]	99% Bandwidth [MHz]
5190	36.488
5230	36.510
5755	36.495
5795	36.487

**Figure 109: 99% Bandwidth, 802.11ac-40, MIMO, RF0, 5190MHz**



16:52:00 20.10.2021

Figure 110: 99% Bandwidth, 802.11ac-40, MIMO, RF0, 5230MHz



Figure 111: 99% Bandwidth, 802.11ac-40, MIMO, RF0, 5755MHz

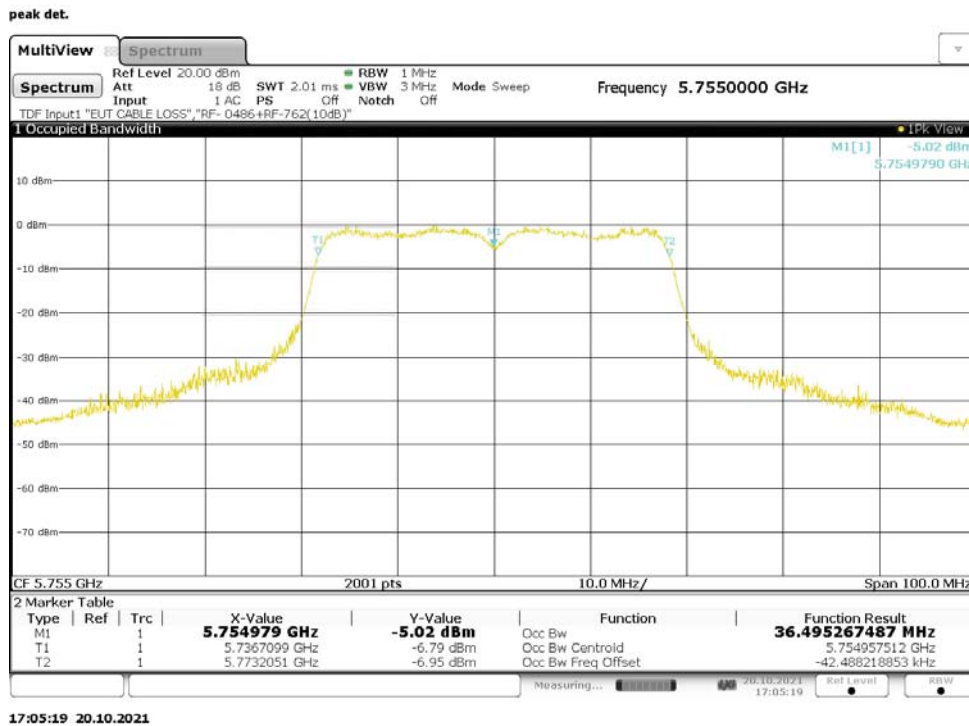


Figure 112: 99% Bandwidth, 802.11ac-40, MIMO, RF0, 5795MHz

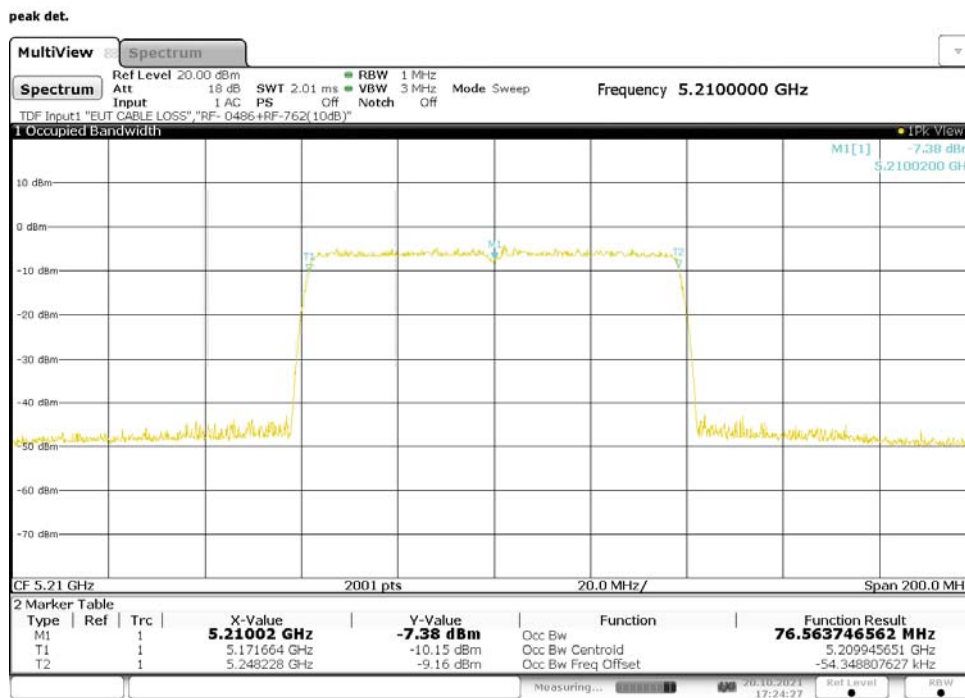


17:09:03 20.10.2021

**Table 99: 99% Bandwidth, 802.11ac-80, SISO, RF0**

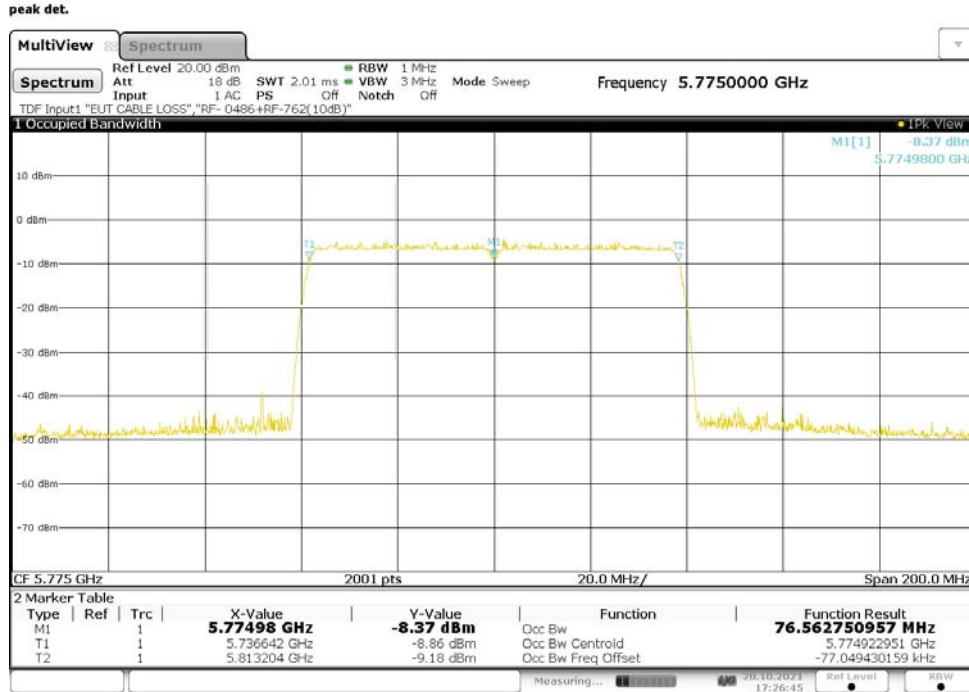
Operating Frequency [MHz]	99% Bandwidth [MHz]	Remarks
5210	76.564	Widest, 76M6D1D
5775	76.563	Widest, 76M6D1D

**Figure 113: 99% Bandwidth, 802.11ac-80, SISO, RF0, 5210MHz**



17:24:27 20.10.2021

Figure 114: 99% Bandwidth, 802.11ac-80, SISO, RF0, 5775MHz



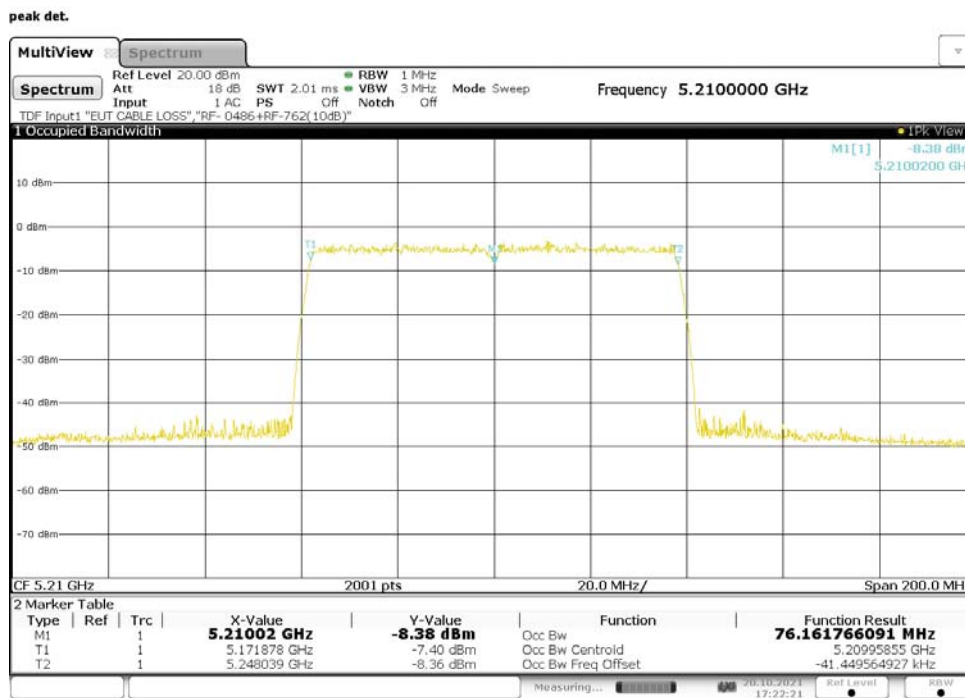
17:26:45 20.10.2021



**Table 100: 99% Bandwidth, 802.11ac-80, CDD, RF0**

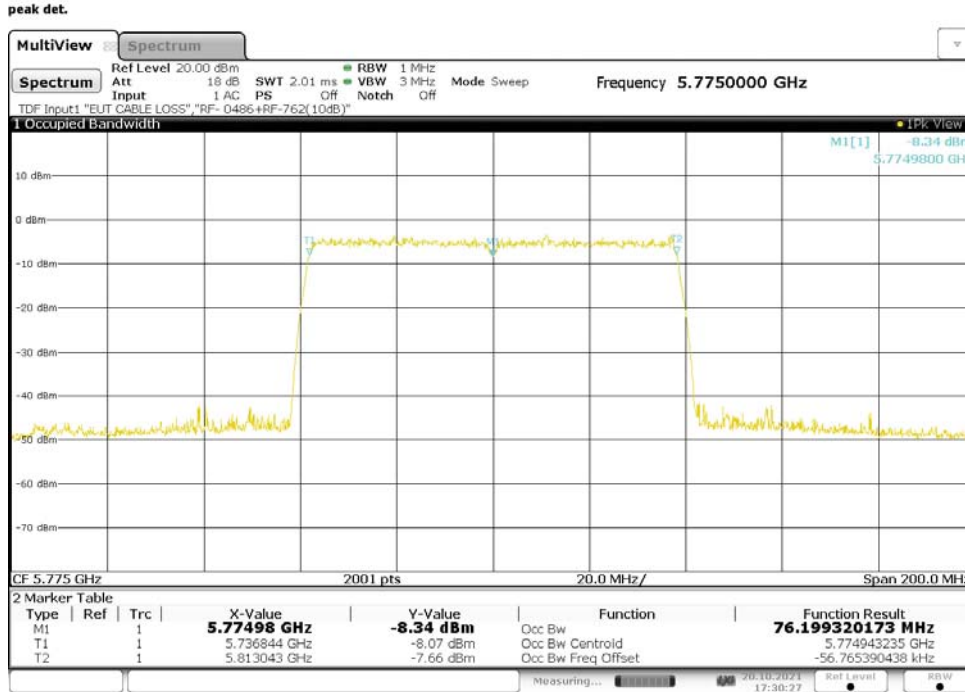
Operating Frequency [MHz]	99% Bandwidth [MHz]
5210	76.162
5775	76.199

**Figure 115: 99% Bandwidth, 802.11ac-80, CDD, RF0, 5210MHz**



17:22:21 20.10.2021

Figure 116: 99% Bandwidth, 802.11ac-80, CDD, RF0, 5775MHz

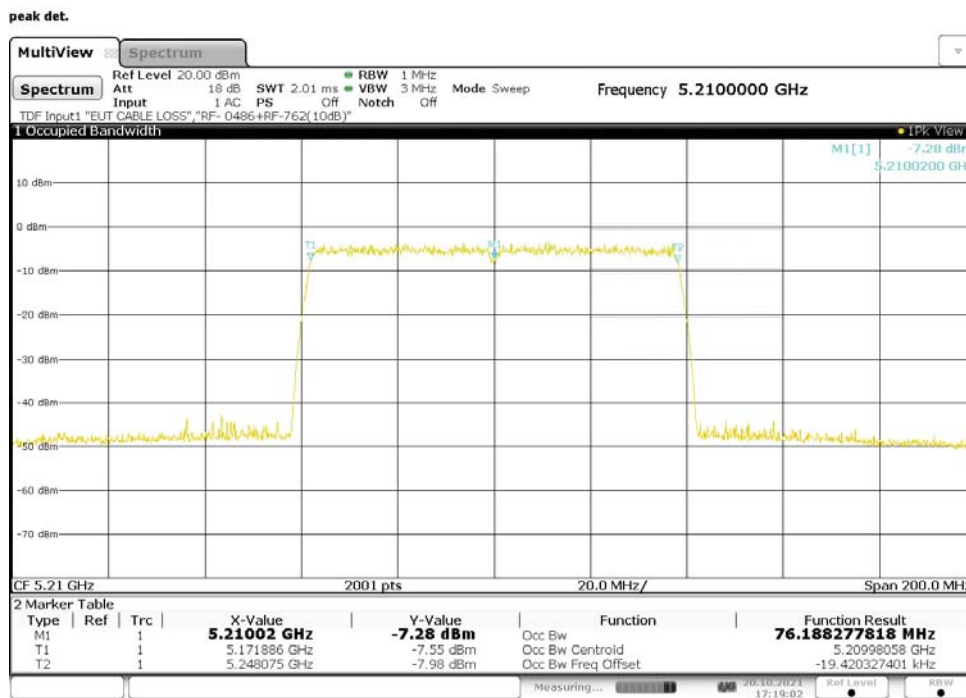


17:30:27 20.10.2021

**Table 101: 99% Bandwidth, 802.11ac-80, MIMO, RF0**

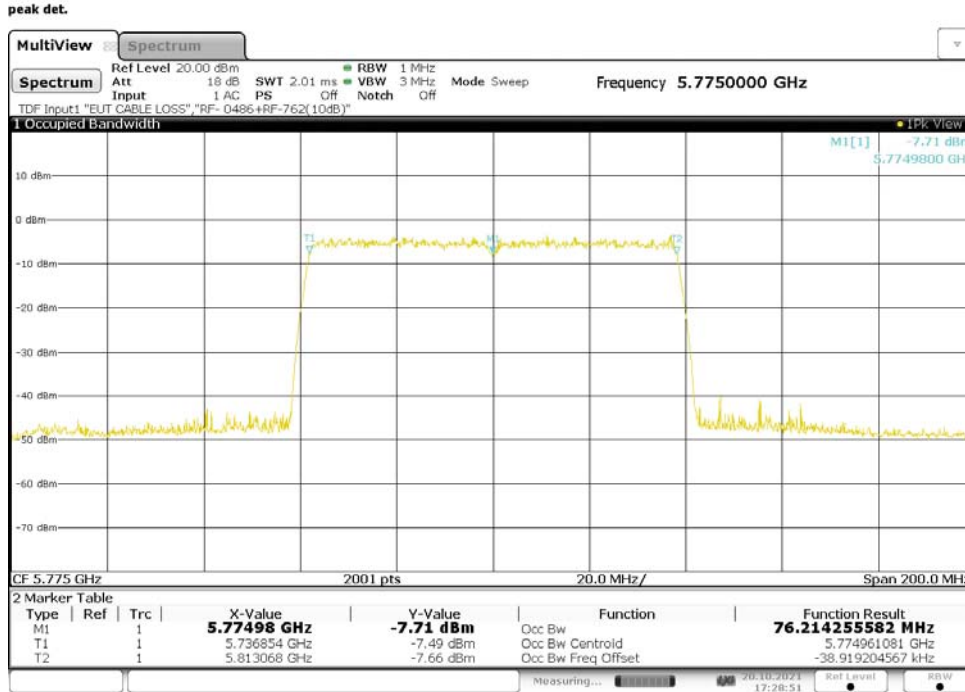
Operating Frequency [MHz]	99% Bandwidth [MHz]
5210	76.188
5775	76.214

**Figure 117: 99% Bandwidth, 802.11ac-80, MIMO, RF0, 5210MHz**



17:19:02 20.10.2021

Figure 118: 99% Bandwidth, 802.11ac-80, MIMO, RF0, 5775MHz



17:28:51 20.10.2021

## 5.2.5 Maximum Power Spectral Density

**RESULT:**

**PASS**

Date of testing: 2021-10-19, 2021-10-20

Ambient temperature: 22, 22°C  
Relative humidity: 51, 53%  
Atmospheric pressure: 1007, 1003hPa

Requirements:

FCC 15.407 (a)(1)-(3) and RSS-247 §6.2.1.1, 6.2.4.1

For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test procedure:

ANSI C63.10:2013 §12.5, KDB 789033 D02 § II. F.

The maximum power spectral density was measured at the antenna port with a spectrum analyzer using an RMS detector.

The readings of the measurements take into account the loss generated by all the involved cables.

OET 13TR1003 (KDB 662911) was applied for CDD.

**Table 102: Maximum Power Spectral Density, 802.11a, SISO, RF0**

Freq. [MHz]	Cond. PSD [dBm]	Cond. PSD Limit [dBm]	Cond. PSD Margin [dB]	Antenna Gain [dBi]	PSD e.i.r.p. [dBm]	PSD e.i.r.p. Limit [dBm]	PSD e.i.r.p. Margin [dB]
5180	-7.54	11	18.54	2.14	-5.40	17	22.40
5220	-8.20	11	19.20	2.14	-6.06	17	23.06
5240	-7.81	11	18.81	2.14	-5.67	17	22.67
5745	-7.65	30	37.65	1.00	-6.65	36	42.65
5785	-7.54	30	37.54	1.00	-6.54	36	42.54
5825	-8.22	30	38.22	1.00	-7.22	36	43.22

Note:

Cable (including temporary RF cable) and attenuator loss has been compensated for Cond. PSD.  
 $PSD\ e.i.r.p.\ [dBm/MHz] = Cond.\ PSD\ [dBm/MHz] + Antenna\ Gain\ [dBi]$   
 For the band 5.725-5.85 GHz, power density in 1MHz is measured to show conformity.

**Table 103: Maximum Power Spectral Density, 802.11a, SISO, RF1**

Freq. [MHz]	Cond. PSD [dBm]	Cond. PSD Limit [dBm]	Cond. PSD Margin [dB]	Antenna Gain [dBi]	PSD e.i.r.p. [dBm]	PSD e.i.r.p. Limit [dBm]	PSD e.i.r.p. Margin [dB]
5180	-6.83	11	17.83	2.43	-4.40	17	21.40
5220	-6.64	11	17.64	2.43	-4.21	17	21.21
5240	-6.53	11	17.53	2.43	-4.10	17	21.10
5745	-7.56	30	37.56	2.59	-4.97	36	40.97
5785	-7.26	30	37.26	2.59	-4.67	36	40.67
5825	-8.14	30	38.14	2.59	-5.55	36	41.55

Note:

Cable (including temporary RF cable) and attenuator loss has been compensated for Cond. PSD.  
 $PSD\ e.i.r.p.\ [dBm/MHz] = Cond.\ PSD\ [dBm/MHz] + Antenna\ Gain\ [dBi]$   
 For the band 5.725-5.85 GHz, power density in 1MHz is measured to show conformity.

Figure 119: Maximum Power Spectral Density, 802.11a, SISO, RF0, 5180MHz



09:14:08 20.10.2021

Figure 120: Maximum Power Spectral Density, 802.11a, SISO, RF0, 5220MHz



09:15:54 20.10.2021

Figure 121: Maximum Power Spectral Density, 802.11a, SISO, RF0, 5240MHz



09:16:58 20.10.2021

Figure 122: Maximum Power Spectral Density, 802.11a, SISO, RF0, 5745MHz



09:17:59 20.10.2021



Figure 123: Maximum Power Spectral Density, 802.11a, SISO, RF0, 5785MHz



09:19:07 20.10.2021

Figure 124: Maximum Power Spectral Density, 802.11a, SISO, RF0, 5825MHz



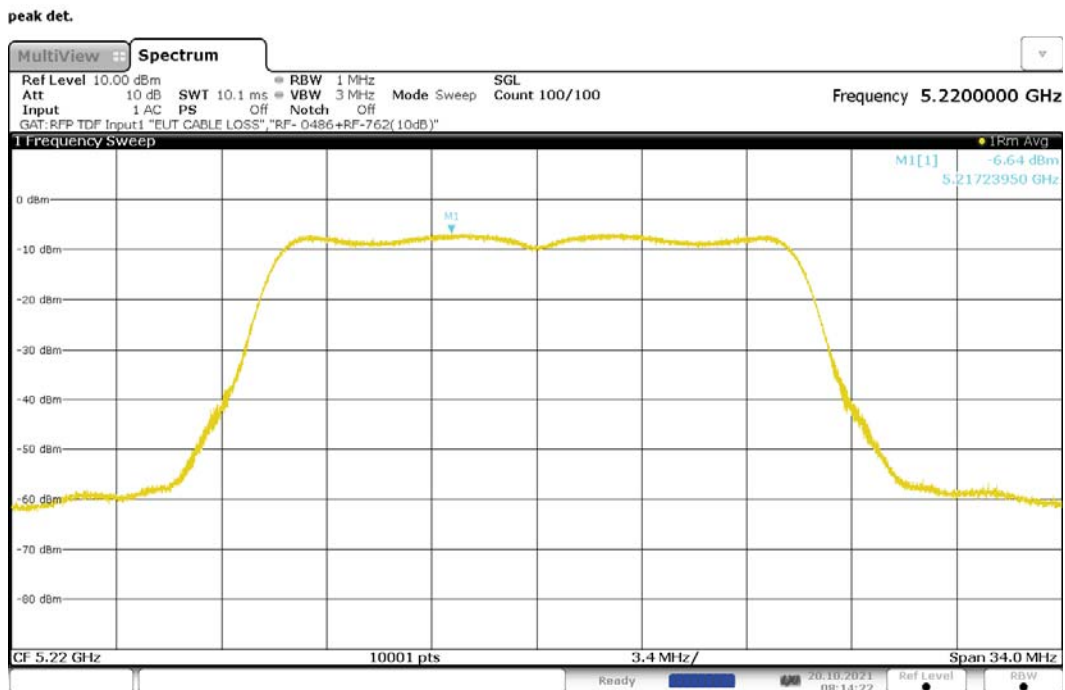
09:20:29 20.10.2021

Figure 125: Maximum Power Spectral Density, 802.11a, SISO, RF1, 5180MHz



08:12:46 20.10.2021

Figure 126: Maximum Power Spectral Density, 802.11a, SISO, RF1, 5220MHz



08:14:23 20.10.2021

Figure 127: Maximum Power Spectral Density, 802.11a, SISO, RF1, 5240MHz



08:15:40 20.10.2021

Figure 128: Maximum Power Spectral Density, 802.11a, SISO, RF1, 5745MHz



08:17:24 20.10.2021

Figure 129: Maximum Power Spectral Density, 802.11a, SISO, RF1, 5785MHz



08:18:29 20.10.2021

Figure 130: Maximum Power Spectral Density, 802.11a, SISO, RF1, 5825MHz



08:19:53 20.10.2021

**Table 104: Maximum Power Spectral Density, 802.11a, CDD, RF0+RF1**

Freq. [MHz]	Sum Cond. PSD [dBm/MHz]	Cond. PSD Limit [dBm/MHz]	Cond. PSD Margin [dB]	Sum PSD e.i.r.p. [dBm/MHz]	PSD e.i.r.p. Limit [dBm/MHz]	PSD e.i.r.p. Margin [dB]
5180	-3.96	11	14.96	1.48	17	15.52
5220	-3.97	11	14.97	1.47	17	15.53
5240	-4.00	11	15.00	1.44	17	15.56
5745	-4.41	30	34.41	1.19	36	34.81
5785	-4.52	30	34.52	1.08	36	34.92
5825	-5.04	30	35.04	0.56	36	35.44

**Table 105: Individual - Maximum Power Spectral Density, 802.11a, CDD, RF0**

Freq. [MHz]	Cond. PSD [dBm/MHz]	Directional Gain [dBi]	PSD e.i.r.p. [dBm/MHz]
5180	-7.56	5.44	-2.12
5220	-7.25	5.44	-1.81
5240	-7.47	5.44	-2.03
5745	-7.61	5.60	-2.01
5785	-7.63	5.60	-2.03
5825	-8.11	5.60	-2.51

**Table 106: Individual - Maximum Power Spectral Density, 802.11a, CDD, RF1**

Freq. [MHz]	Cond. PSD [dBm/MHz]	Directional Gain [dBi]	PSD e.i.r.p. [dBm/MHz]
5180	-6.45	5.44	-1.01
5220	-6.72	5.44	-1.28
5240	-6.60	5.44	-1.16
5745	-7.23	5.60	-1.63
5785	-7.43	5.60	-1.83
5825	-7.99	5.60	-2.39

Note:

Cable (including temporary RF cable) and attenuator loss has been compensated for Cond. PSD.  
 $PSD\ e.i.r.p.\ [dBm/MHz] = Cond.\ PSD\ [dBm/MHz] + Directional\ Gain\ [dBi]$   
 $Directional\ Gain\ [dBi] = Individual\ Antenna\ Gain\ [dBi] + Array\ Gain\ [dB]$   
 $Array\ Gain = 10 \times \log_{10}(N_{ANT}/N_{SS})\ [dB]$ , here  $N_{ANT} = 2$ ,  $N_{SS} = 1$   
 For the band 5.725-5.85 GHz, power density in 1MHz is measured to show conformity.

Figure 131: Maximum Power Spectral Density, 802.11a, CDD, RF0, 5180MHz



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Figure 132: Maximum Power Spectral Density, 802.11a, CDD, RF0, 5220MHz



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Figure 133: Maximum Power Spectral Density, 802.11a, CDD, RF0, 5240MHz



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Figure 134: Maximum Power Spectral Density, 802.11a, CDD, RF0, 5745MHz



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Figure 135: Maximum Power Spectral Density, 802.11a, CDD, RF0, 5785MHz



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Figure 136: Maximum Power Spectral Density, 802.11a, CDD, RF0, 5825MHz



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Figure 137: Maximum Power Spectral Density, 802.11a, CDD, RF1, 5180MHz



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Figure 138: Maximum Power Spectral Density, 802.11a, CDD, RF1, 5220MHz



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Figure 139: Maximum Power Spectral Density, 802.11a, CDD, RF1, 5240MHz



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Figure 140: Maximum Power Spectral Density, 802.11a, CDD, RF1, 5745MHz



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Figure 141: Maximum Power Spectral Density, 802.11a, CDD, RF1, 5785MHz



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Figure 142: Maximum Power Spectral Density, 802.11a, CDD, RF1, 5825MHz



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**Table 107: Maximum Power Spectral Density, 802.11n-20, SISO, RF0**

Freq. [MHz]	Cond. PSD [dBm]	Cond. PSD Limit [dBm]	Cond. PSD Margin [dB]	Antenna Gain [dBi]	PSD e.i.r.p. [dBm]	PSD e.i.r.p. Limit [dBm]	PSD e.i.r.p. Margin [dB]
5180	-7.94	11	18.94	2.14	-5.80	17	22.80
5220	-7.64	11	18.64	2.14	-5.50	17	22.50
5240	-7.91	11	18.91	2.14	-5.77	17	22.77
5745	-8.10	30	38.10	1.00	-7.10	36	43.10
5785	-7.94	30	37.94	1.00	-6.94	36	42.94
5825	-8.29	30	38.29	1.00	-7.29	36	43.29

Note:

Cable (including temporary RF cable) and attenuator loss has been compensated for Cond. PSD.  
 $PSD\ e.i.r.p.\ [dBm/MHz] = Cond.\ PSD\ [dBm/MHz] + Antenna\ Gain\ [dBi]$   
 For the band 5.725-5.85 GHz, power density in 1MHz is measured to show conformity.

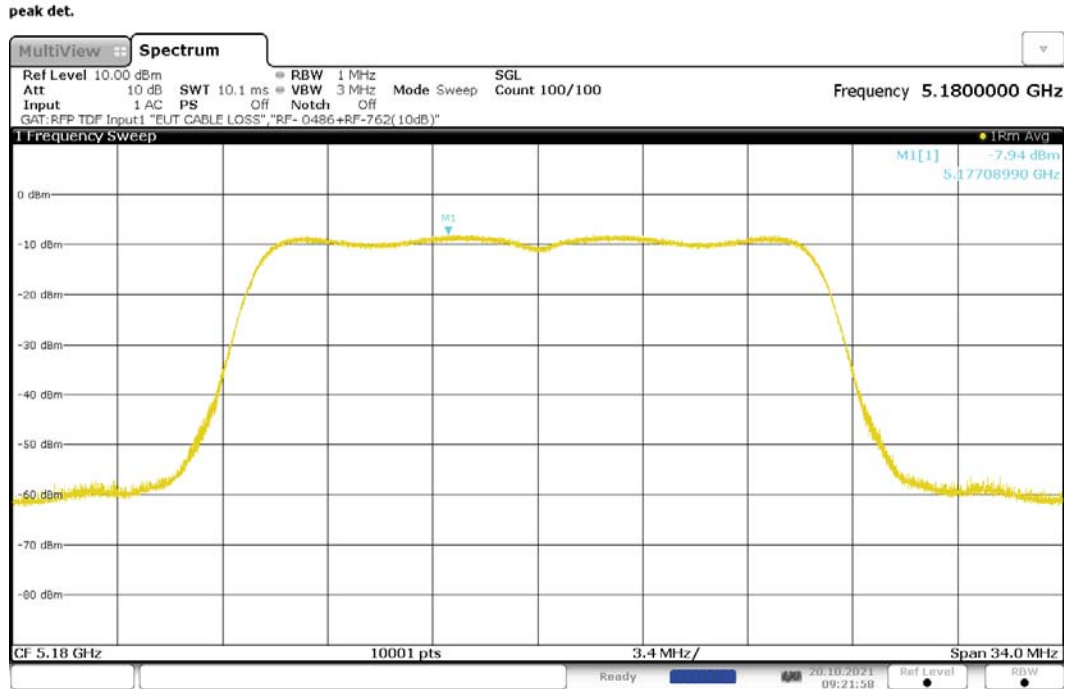
**Table 108: Maximum Power Spectral Density, 802.11n-20, SISO, RF1**

Freq. [MHz]	Cond. PSD [dBm]	Cond. PSD Limit [dBm]	Cond. PSD Margin [dB]	Antenna Gain [dBi]	PSD e.i.r.p. [dBm]	PSD e.i.r.p. Limit [dBm]	PSD e.i.r.p. Margin [dB]
5180	-7.04	11	18.04	2.43	-4.61	17	21.61
5220	-7.02	11	18.02	2.43	-4.59	17	21.59
5240	-7.04	11	18.04	2.43	-4.61	17	21.61
5745	-7.44	30	37.44	2.59	-4.85	36	40.85
5785	-7.71	30	37.71	2.59	-5.12	36	41.12
5825	-8.52	30	38.52	2.59	-5.93	36	41.93

Note:

Cable (including temporary RF cable) and attenuator loss has been compensated for Cond. PSD.  
 $PSD\ e.i.r.p.\ [dBm/MHz] = Cond.\ PSD\ [dBm/MHz] + Antenna\ Gain\ [dBi]$   
 For the band 5.725-5.85 GHz, power density in 1MHz is measured to show conformity.

Figure 143: Maximum Power Spectral Density, 802.11n-20, SISO, RF0, 5180MHz



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Figure 144: Maximum Power Spectral Density, 802.11n-20, SISO, RF0, 5220MHz



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Figure 145: Maximum Power Spectral Density, 802.11n-20, SISO, RF0, 5240MHz



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Figure 146: Maximum Power Spectral Density, 802.11n-20, SISO, RF0, 5745MHz



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Figure 147: Maximum Power Spectral Density, 802.11n-20, SISO, RF0, 5785MHz



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Figure 148: Maximum Power Spectral Density, 802.11n-20, SISO, RF0, 5825MHz



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Figure 149: Maximum Power Spectral Density, 802.11n-20, SISO, RF1, 5180MHz



08:22:38 20.10.2021

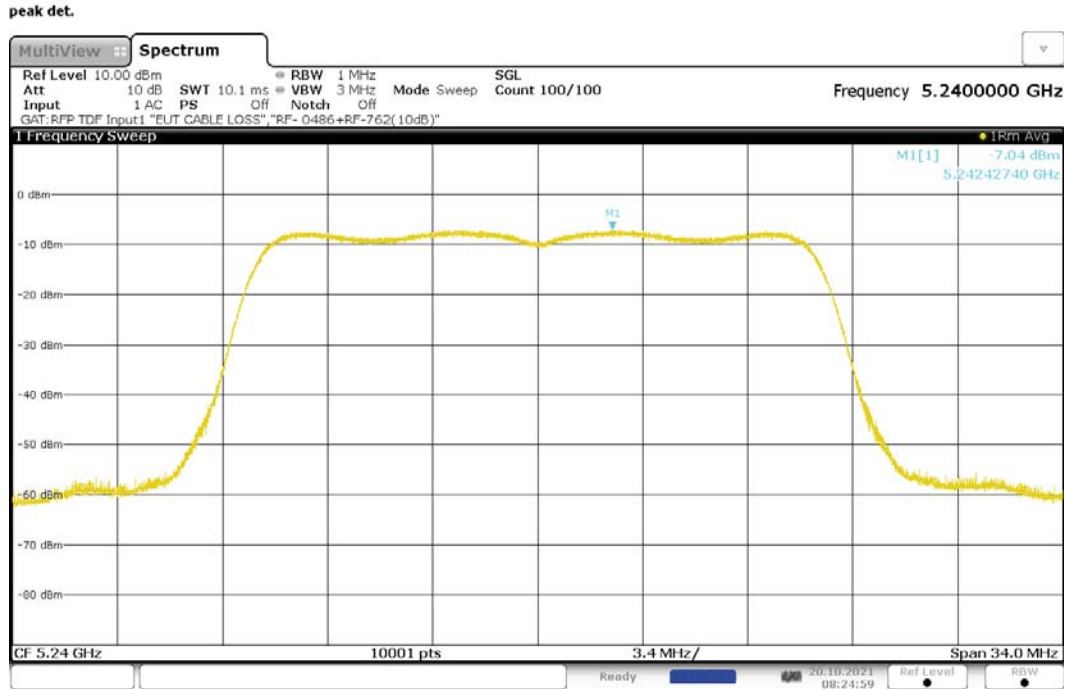
Figure 150: Maximum Power Spectral Density, 802.11n-20, SISO, RF1, 5220MHz



08:23:45 20.10.2021

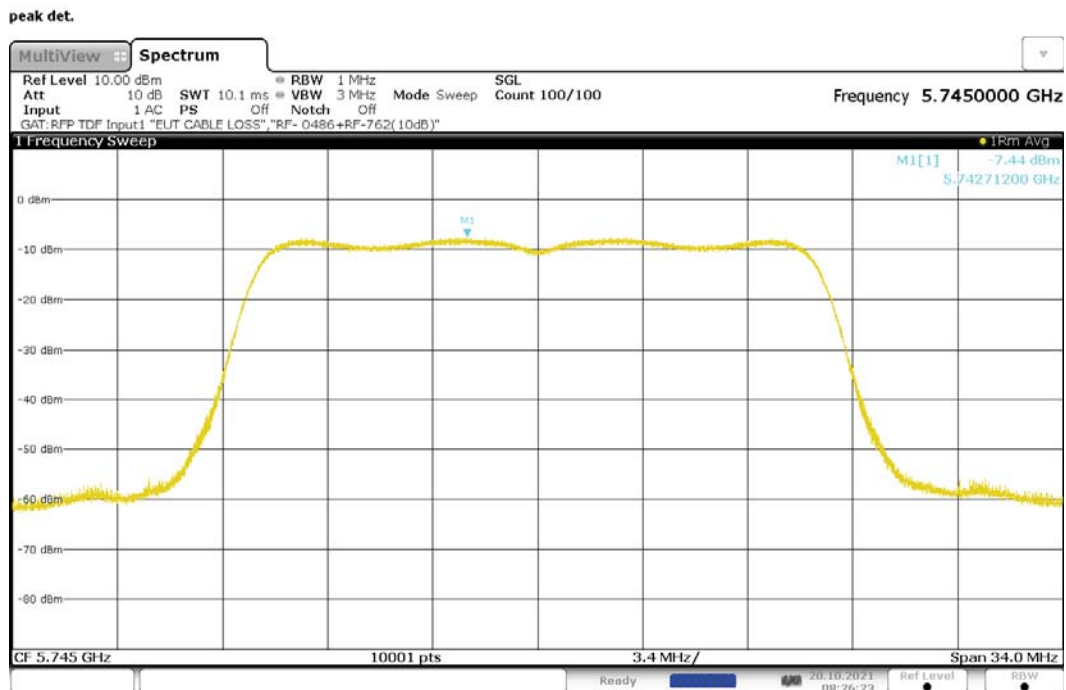


Figure 151: Maximum Power Spectral Density, 802.11n-20, SISO, RF1, 5240MHz



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Figure 152: Maximum Power Spectral Density, 802.11n-20, SISO, RF1, 5745MHz



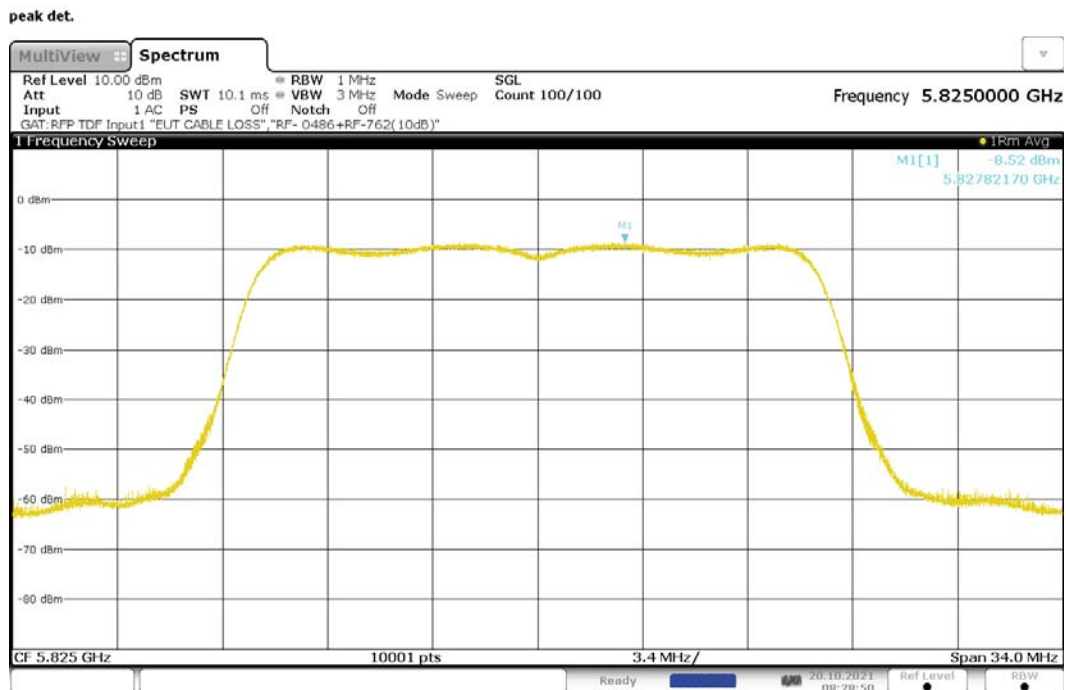
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Figure 153: Maximum Power Spectral Density, 802.11n-20, SISO, RF1, 5785MHz



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Figure 154: Maximum Power Spectral Density, 802.11n-20, SISO, RF1, 5825MHz



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**Table 109: Maximum Power Spectral Density, 802.11n-20, CDD, RF0+RF1**

Freq. [MHz]	Sum Cond. PSD [dBm/MHz]	Cond. PSD Limit [dBm/MHz]	Cond. PSD Margin [dB]	Sum PSD e.i.r.p. [dBm/MHz]	PSD e.i.r.p. Limit [dBm/MHz]	PSD e.i.r.p. Margin [dB]
5180	-4.39	11	15.39	1.05	17	15.95
5220	-4.17	11	15.17	1.27	17	15.73
5240	-4.38	11	15.38	1.06	17	15.94
5745	-4.80	30	34.80	0.80	36	35.20
5785	-4.83	30	34.83	0.77	36	35.23
5825	-5.47	30	35.47	0.13	36	35.87

**Table 110: Individual - Maximum Power Spectral Density, 802.11n-20, CDD, RF0**

Freq. [MHz]	Cond. PSD [dBm/MHz]	Directional Gain [dBi]	PSD e.i.r.p. [dBm/MHz]
5180	-7.76	5.44	-2.32
5220	-7.52	5.44	-2.08
5240	-7.84	5.44	-2.40
5745	-7.91	5.60	-2.31
5785	-7.98	5.60	-2.38
5825	-8.30	5.60	-2.70

**Table 111: Individual - Maximum Power Spectral Density, 802.11n-20, CDD, RF1**

Freq. [MHz]	Cond. PSD [dBm/MHz]	Directional Gain [dBi]	PSD e.i.r.p. [dBm/MHz]
5180	-7.06	5.44	-1.62
5220	-6.87	5.44	-1.43
5240	-6.99	5.44	-1.55
5745	-7.72	5.60	-2.12
5785	-7.70	5.60	-2.10
5825	-8.66	5.60	-3.06

Note:

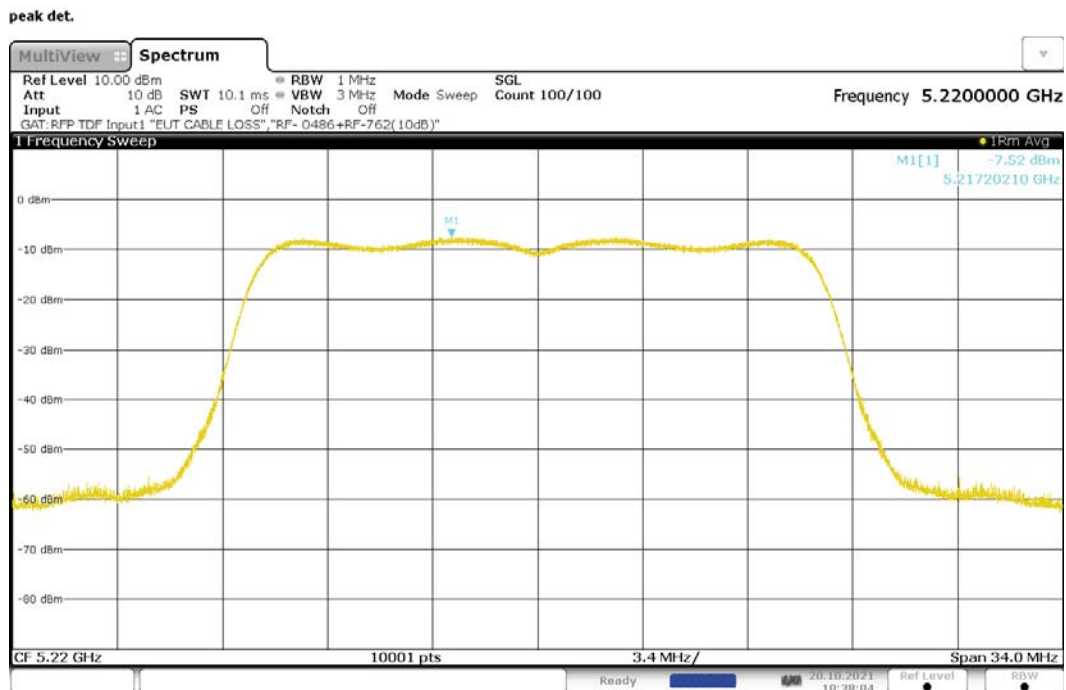
Cable (including temporary RF cable) and attenuator loss has been compensated for Cond. PSD.  
 $PSD\ e.i.r.p.\ [dBm/MHz] = Cond.\ PSD\ [dBm/MHz] + Directional\ Gain\ [dBi]$   
 $Directional\ Gain\ [dBi] = Individual\ Antenna\ Gain\ [dBi] + Array\ Gain\ [dB]$   
 $Array\ Gain = 10 \times \log_{10}(N_{ANT}/N_{SS})\ [dB]$ , here  $N_{ANT} = 2$ ,  $N_{SS} = 1$   
 For the band 5.725-5.85 GHz, power density in 1MHz is measured to show conformity.

Figure 155: Maximum Power Spectral Density, 802.11n-20, CDD, RF0, 5180MHz



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Figure 156: Maximum Power Spectral Density, 802.11n-20, CDD, RF0, 5220MHz



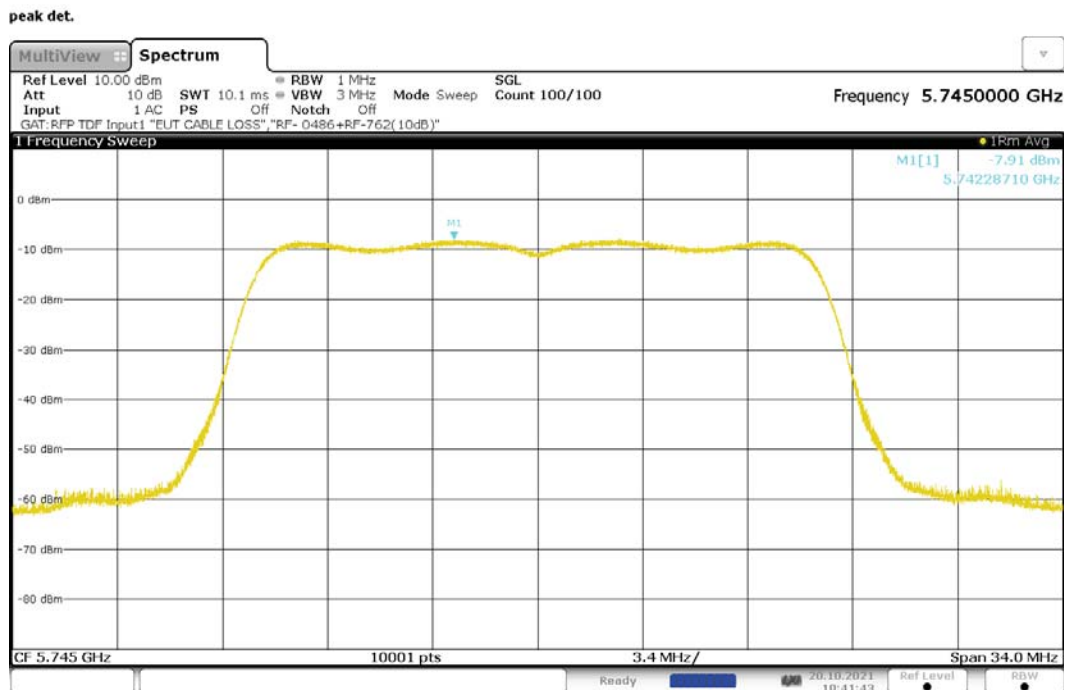
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Figure 157: Maximum Power Spectral Density, 802.11n-20, CDD, RF0, 5240MHz



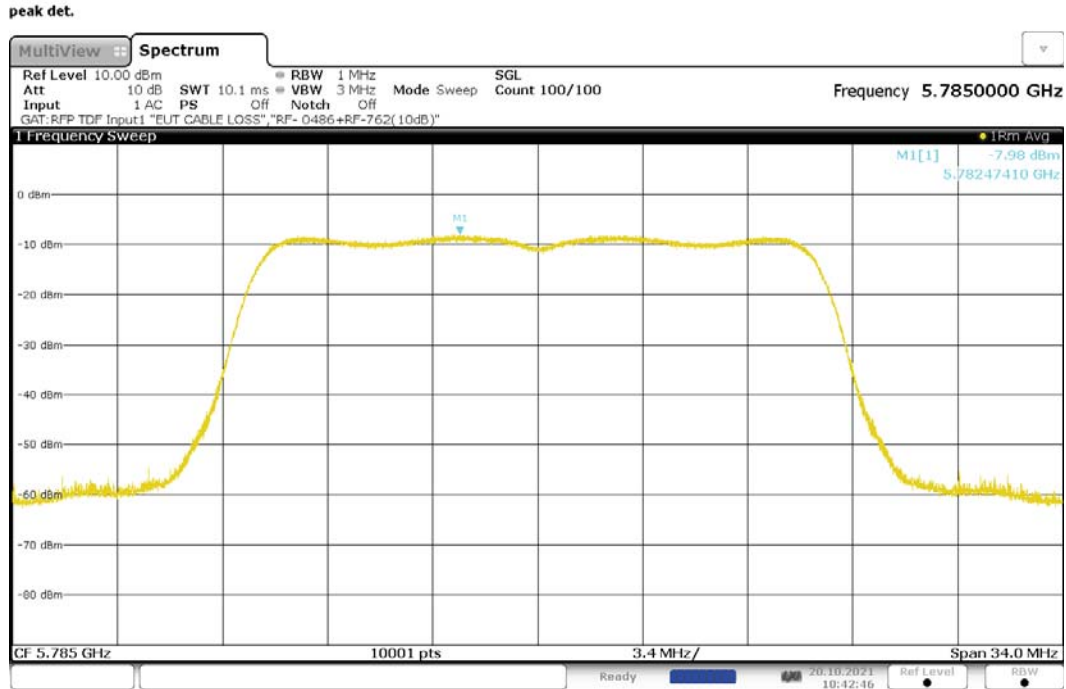
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Figure 158: Maximum Power Spectral Density, 802.11n-20, CDD, RF0, 5745MHz



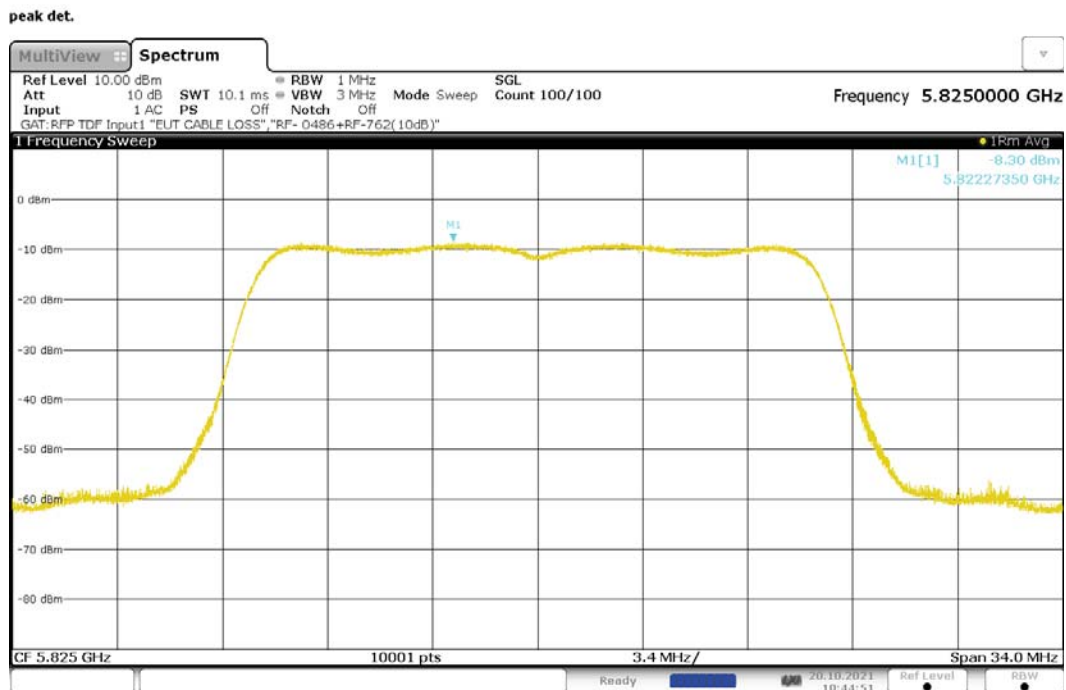
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Figure 159: Maximum Power Spectral Density, 802.11n-20, CDD, RF0, 5785MHz



10:42:47 20.10.2021

Figure 160: Maximum Power Spectral Density, 802.11n-20, CDD, RF0, 5825MHz



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Figure 161: Maximum Power Spectral Density, 802.11n-20, CDD, RF1, 5180MHz



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Figure 162: Maximum Power Spectral Density, 802.11n-20, CDD, RF1, 5220MHz



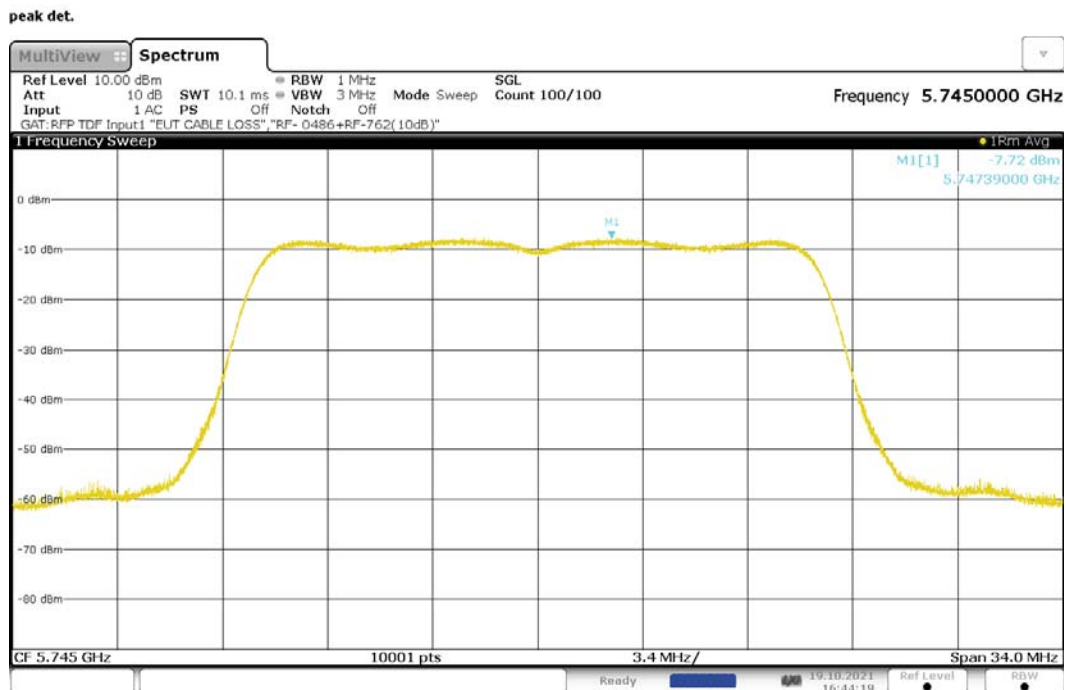
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Figure 163: Maximum Power Spectral Density, 802.11n-20, CDD, RF1, 5240MHz



16:40:38 19.10.2021

Figure 164: Maximum Power Spectral Density, 802.11n-20, CDD, RF1, 5745MHz



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Figure 165: Maximum Power Spectral Density, 802.11n-20, CDD, RF1, 5785MHz



16:46:02 19.10.2021

Figure 166: Maximum Power Spectral Density, 802.11n-20, CDD, RF1, 5825MHz



16:48:23 19.10.2021

**Table 112: Maximum Power Spectral Density, 802.11n-20, MIMO, RF0+RF1**

Freq. [MHz]	Sum Cond. PSD [dBm/MHz]	Cond. PSD Limit [dBm/MHz]	Cond. PSD Margin [dB]	Sum PSD e.i.r.p. [dBm/MHz]	PSD e.i.r.p. Limit [dBm/MHz]	PSD e.i.r.p. Margin [dB]
5180	-4.31	11	15.31	-2.02	17	19.02
5220	-3.91	11	14.91	-1.61	17	18.61
5240	-4.34	11	15.34	-2.04	17	19.04
5745	-4.77	30	34.77	-2.90	36	38.90
5785	-4.80	30	34.80	-2.92	36	38.92
5825	-5.43	30	35.43	-3.58	36	39.58

**Table 113: Individual - Maximum Power Spectral Density, 802.11n-20, MIMO, RF0**

Freq. [MHz]	Cond. PSD [dBm/MHz]	Antenna Gain [dBi]	PSD e.i.r.p. [dBm/MHz]
5180	-7.64	2.14	-5.50
5220	-7.30	2.14	-5.16
5240	-7.69	2.14	-5.55
5745	-7.81	1.00	-6.81
5785	-7.93	1.00	-6.93
5825	-8.35	1.00	-7.35

**Table 114: Individual - Maximum Power Spectral Density, 802.11n-20, MIMO, RF1**

Freq. [MHz]	Cond. PSD [dBm/MHz]	Antenna Gain [dBi]	PSD e.i.r.p. [dBm/MHz]
5180	-7.03	2.43	-4.60
5220	-6.57	2.43	-4.14
5240	-7.04	2.43	-4.61
5745	-7.76	2.59	-5.17
5785	-7.70	2.59	-5.11
5825	-8.54	2.59	-5.95

Note:

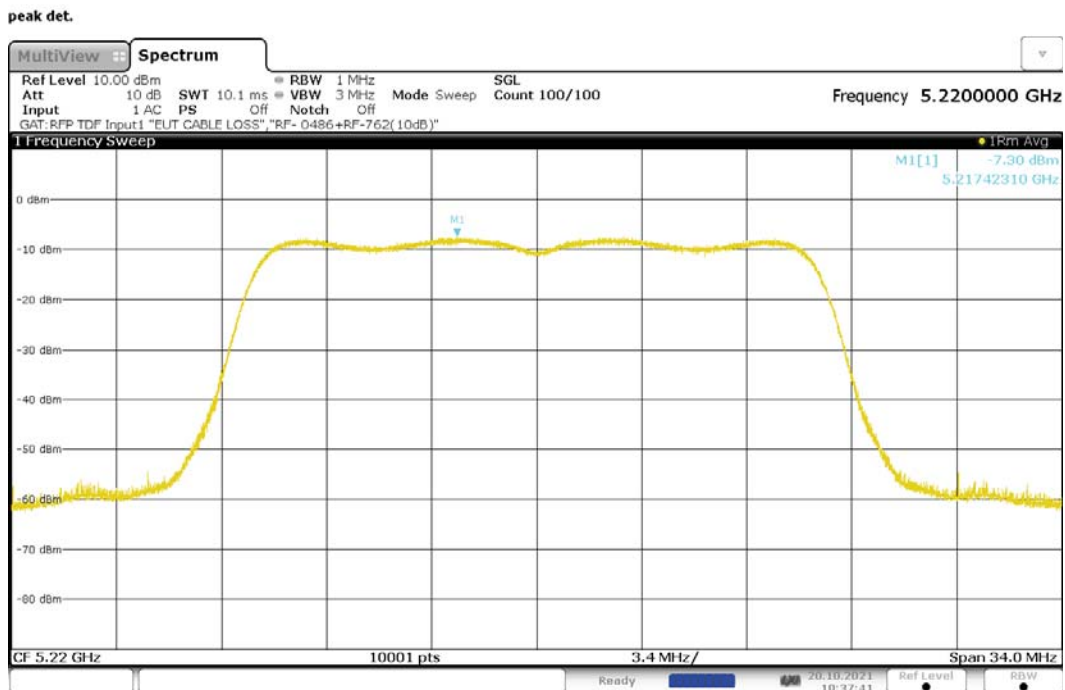
Cable (including temporary RF cable) and attenuator loss has been compensated for Cond. PSD.  
 $PSD\ e.i.r.p.\ [dBm/MHz] = Cond.\ PSD\ [dBm/MHz] + Antenna\ Gain\ [dBi]$   
 For the band 5.725-5.85 GHz, power density in 1MHz is measured to show conformity.

Figure 167: Maximum Power Spectral Density, 802.11n-20, MIMO, RF0, 5180MHz



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Figure 168: Maximum Power Spectral Density, 802.11n-20, MIMO, RF0, 5220MHz



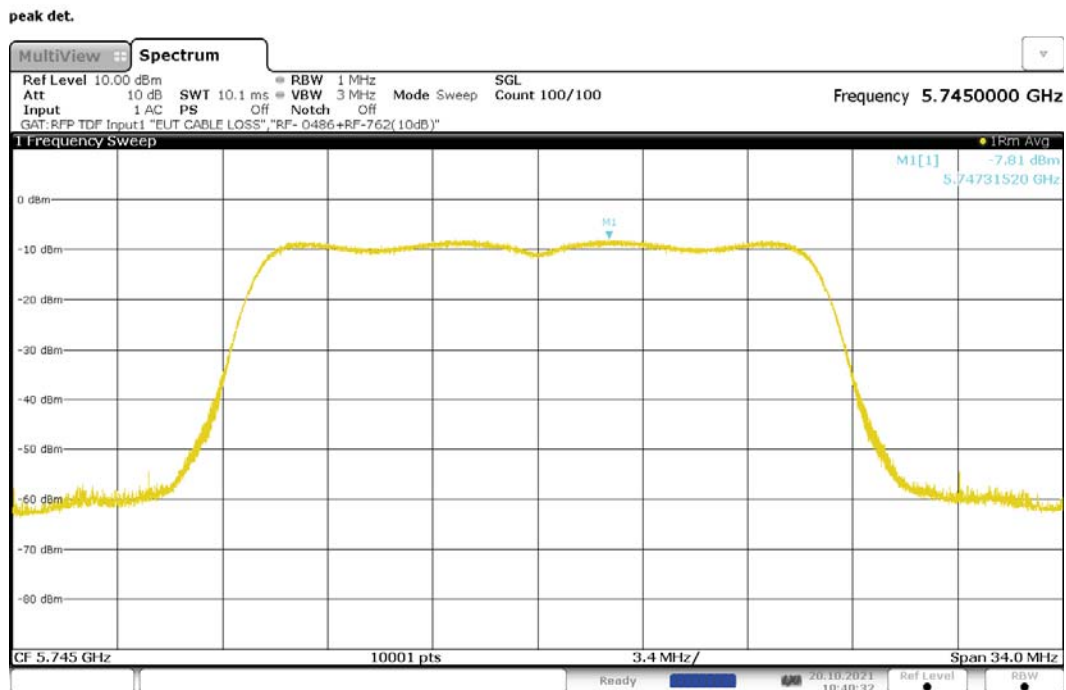
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Figure 169: Maximum Power Spectral Density, 802.11n-20, MIMO, RF0, 5240MHz



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Figure 170: Maximum Power Spectral Density, 802.11n-20, MIMO, RF0, 5745MHz



10:40:33 20.10.2021