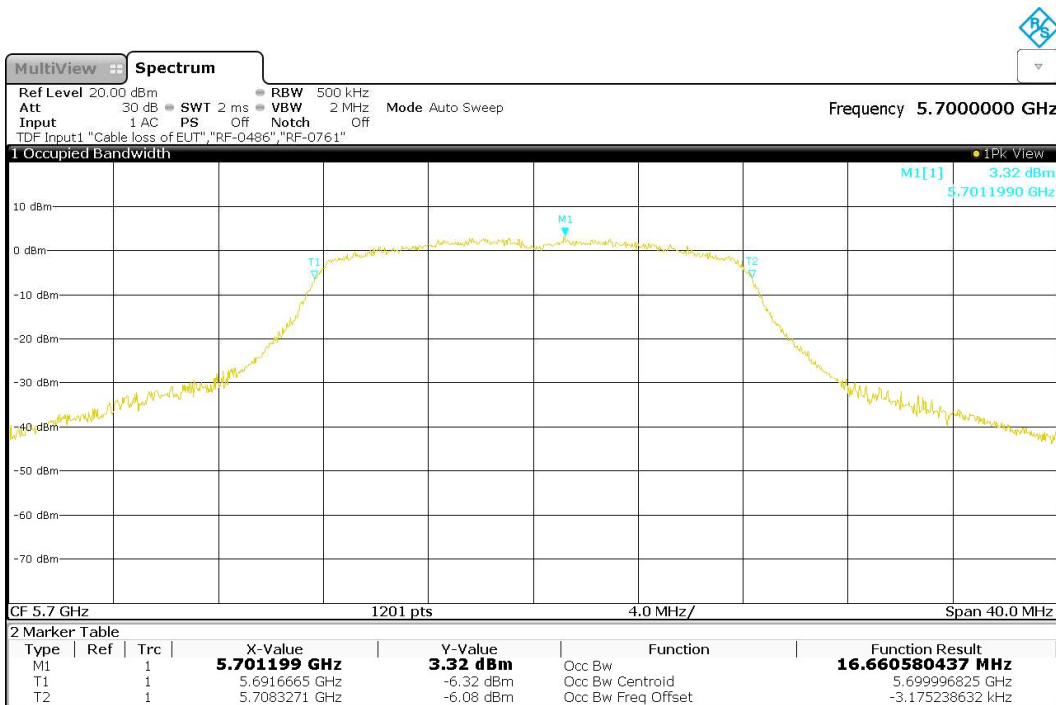


Figure 35: 99% Bandwidth, 802.11a, 5580MHz



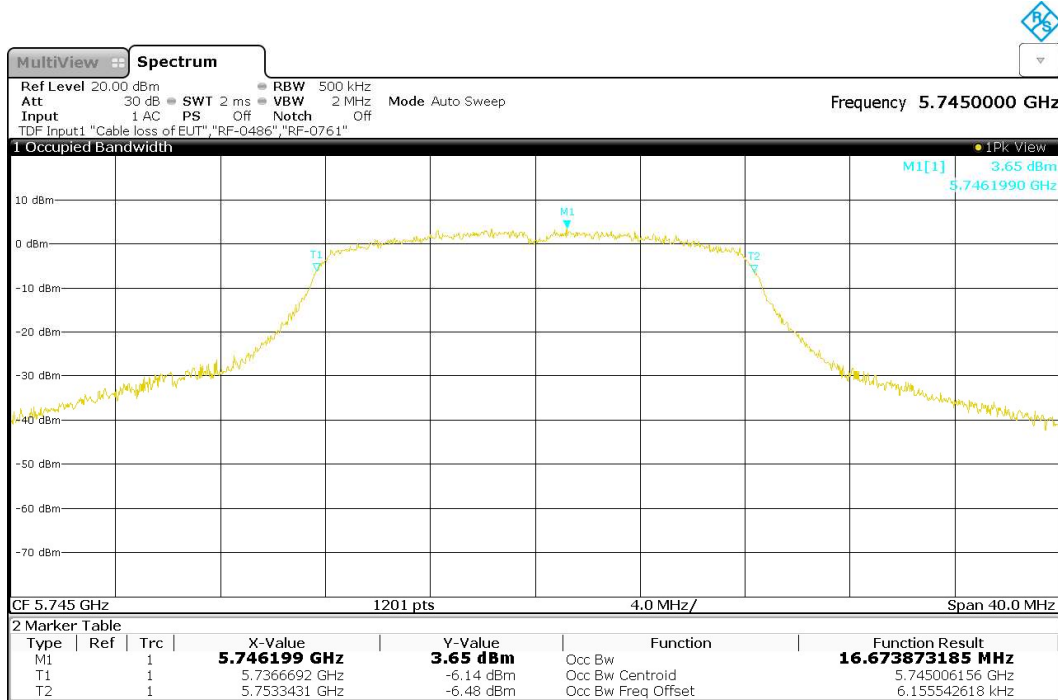
13:23:43 25.01.2021

Figure 36: 99% Bandwidth, 802.11a, 5700MHz



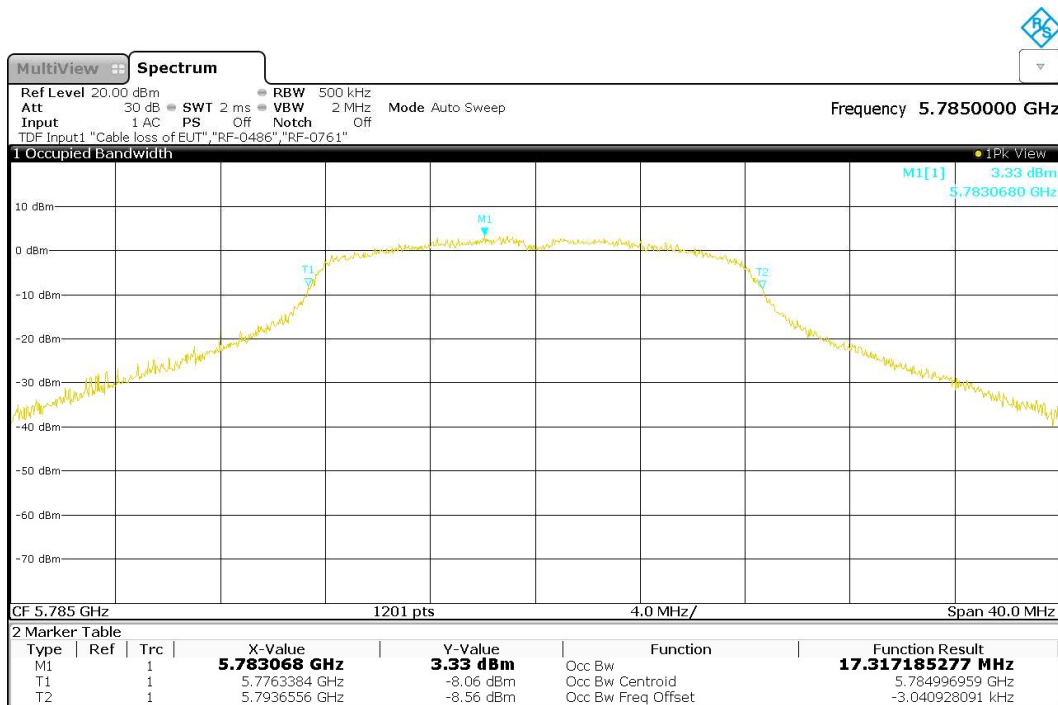
13:21:49 25.01.2021

Figure 37: 99% Bandwidth, 802.11a, 5745MHz



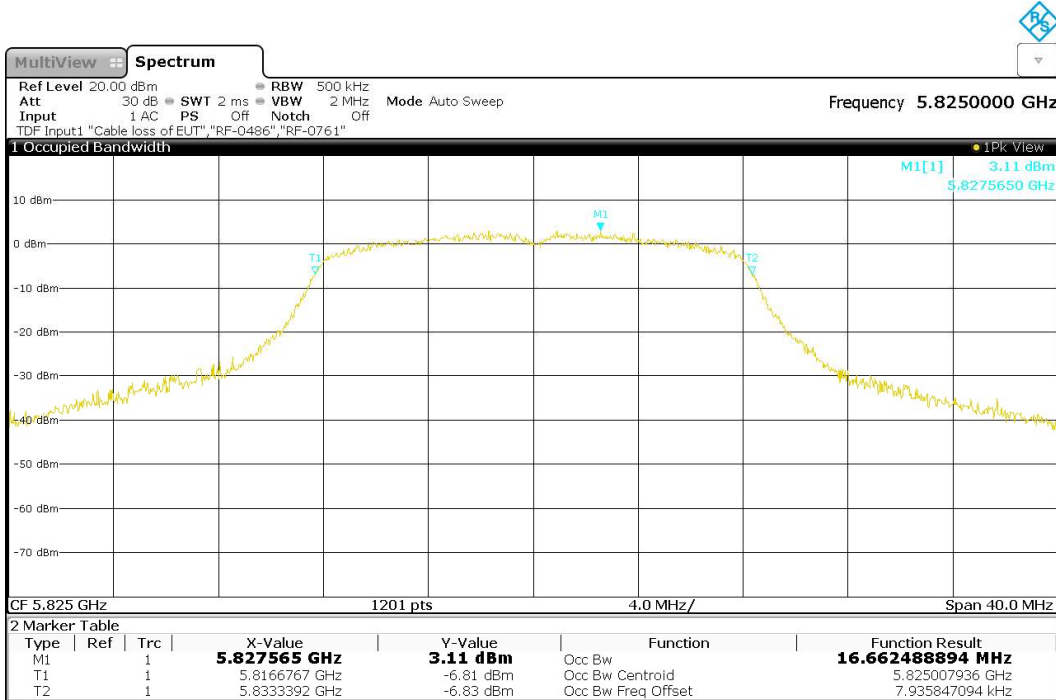
13:20:20 25.01.2021

Figure 38: 99% Bandwidth, 802.11a, 5785MHz



13:18:37 25.01.2021

Figure 39: 99% Bandwidth, 802.11a, 5825MHz

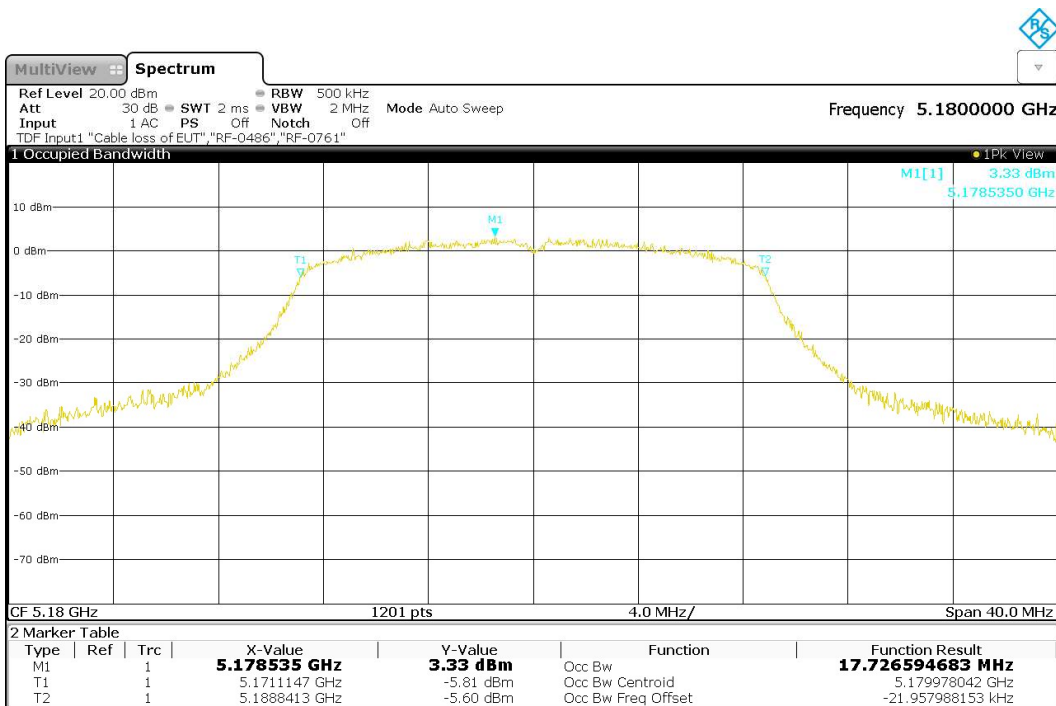


13:17:17 25.01.2021

Table 19: 99% Bandwidth, 802.11n (20HT)

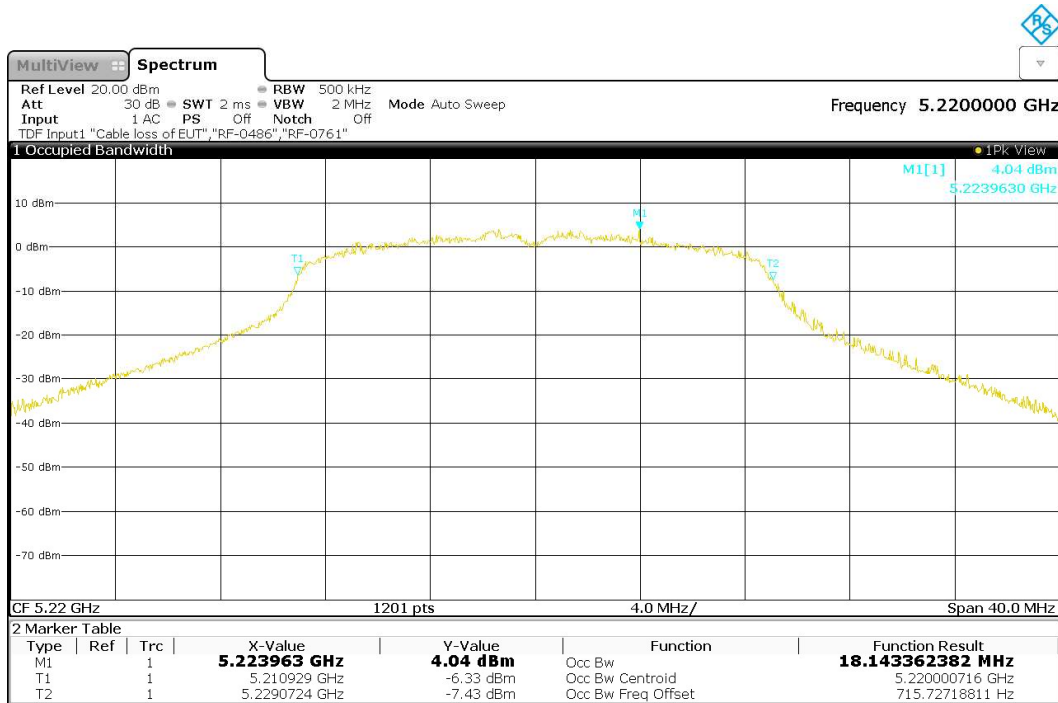
Operating Frequency [MHz]	99% Bandwidth [MHz]
5180	17.727
5220	18.143
5240	18.108
5260	18.138
5300	18.103
5320	17.791
5500	17.754
5580	18.180
5700	17.784
5745	17.772
5785	18.132
5825	17.783

Figure 40: 99% Bandwidth, 802.11n (20HT), 5180MHz



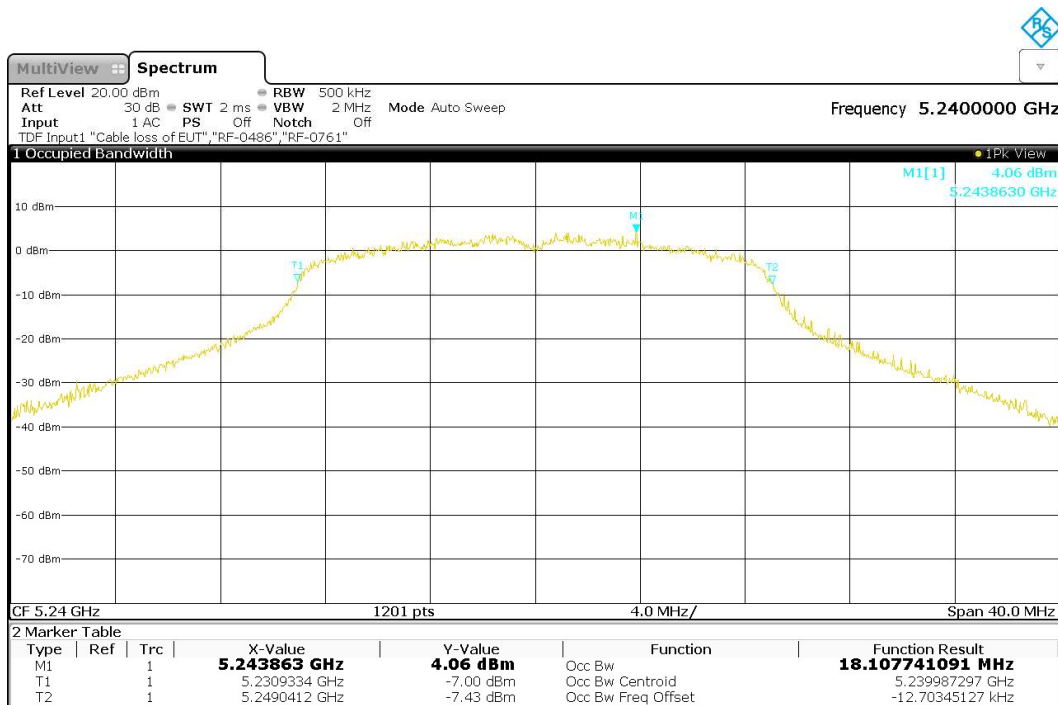
12:56:22 25.01.2021

Figure 41: 99% Bandwidth, 802.11n (20HT), 5220MHz



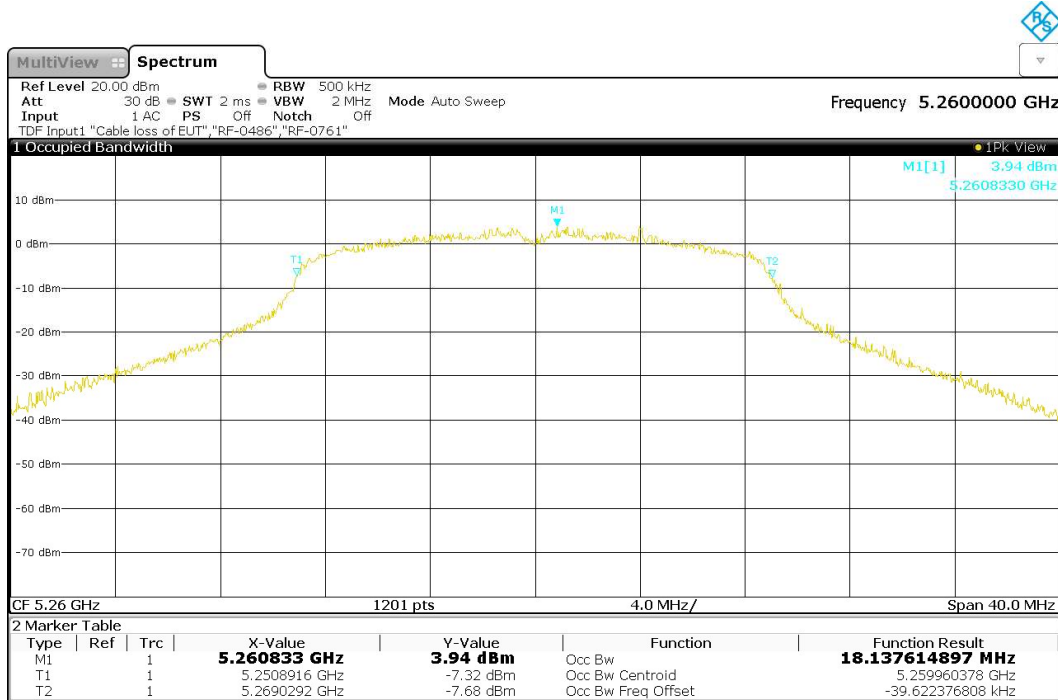
12:58:20 25.01.2021

Figure 42: 99% Bandwidth, 802.11n (20HT), 5240MHz



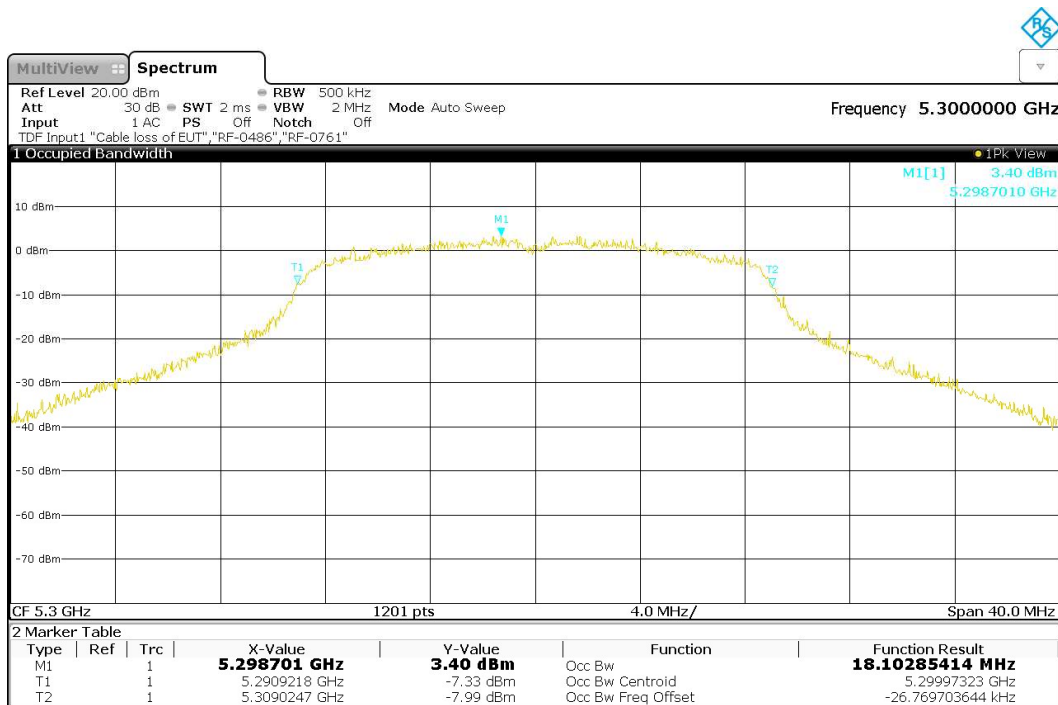
12:59:29 25.01.2021

Figure 43: 99% Bandwidth, 802.11n (20HT), 5260MHz



13:00:46 25.01.2021

Figure 44: 99% Bandwidth, 802.11n (20HT), 5300MHz



13:02:28 25.01.2021

Figure 45: 99% Bandwidth, 802.11n (20HT), 5320MHz



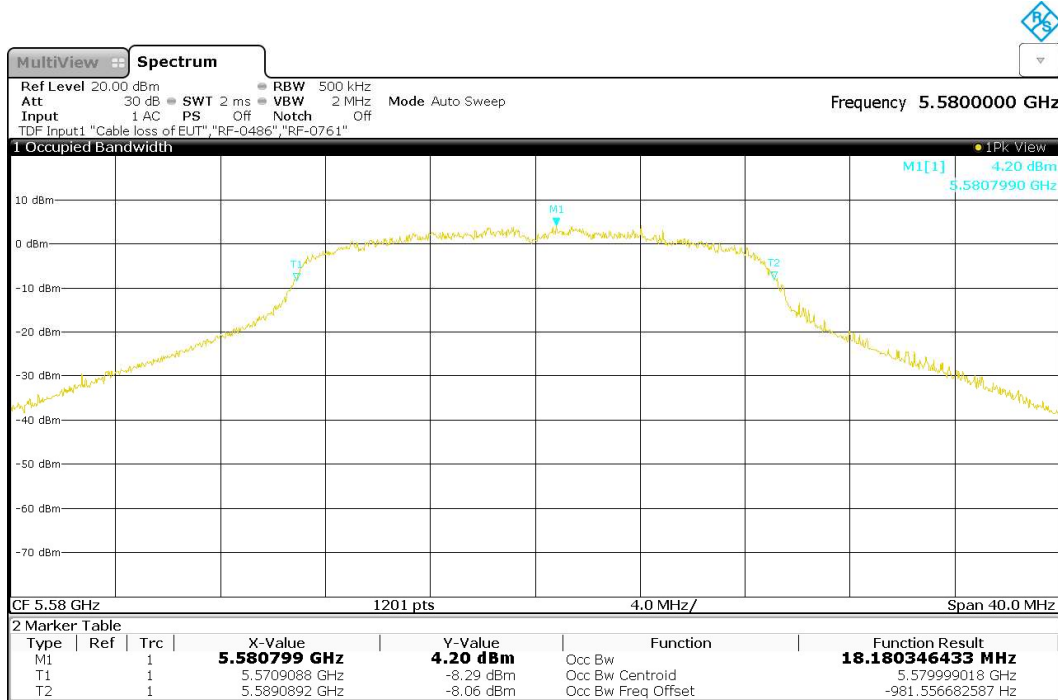
13:03:54 25.01.2021

Figure 46: 99% Bandwidth, 802.11n (20HT), 5500MHz



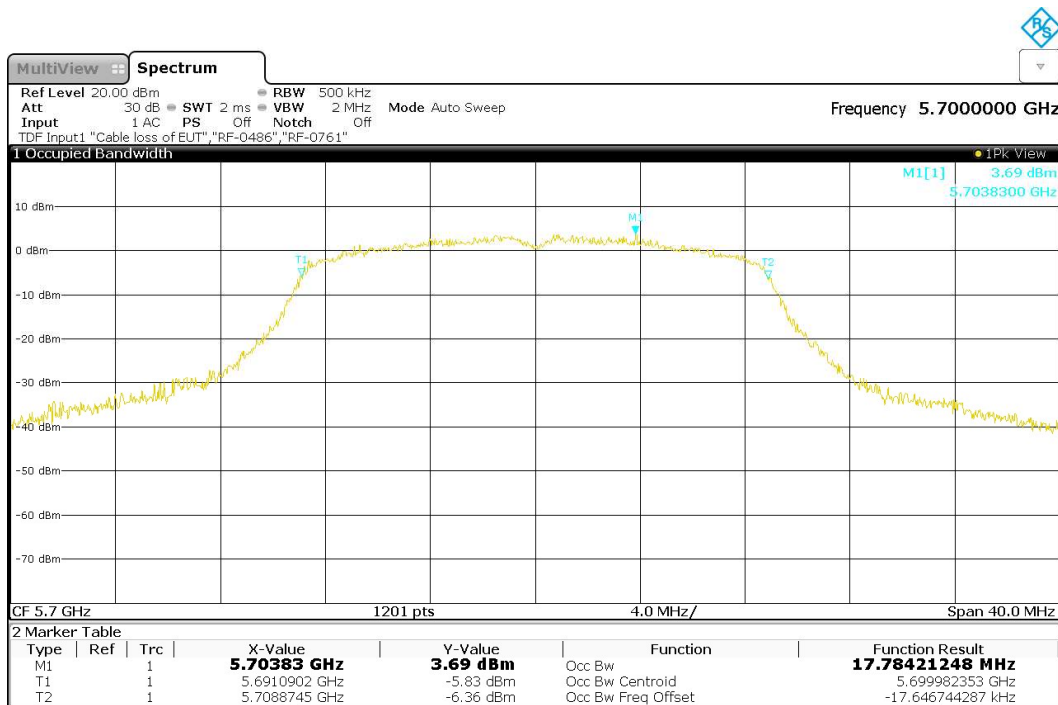
13:05:05 25.01.2021

Figure 47: 99% Bandwidth, 802.11n (20HT), 5580MHz



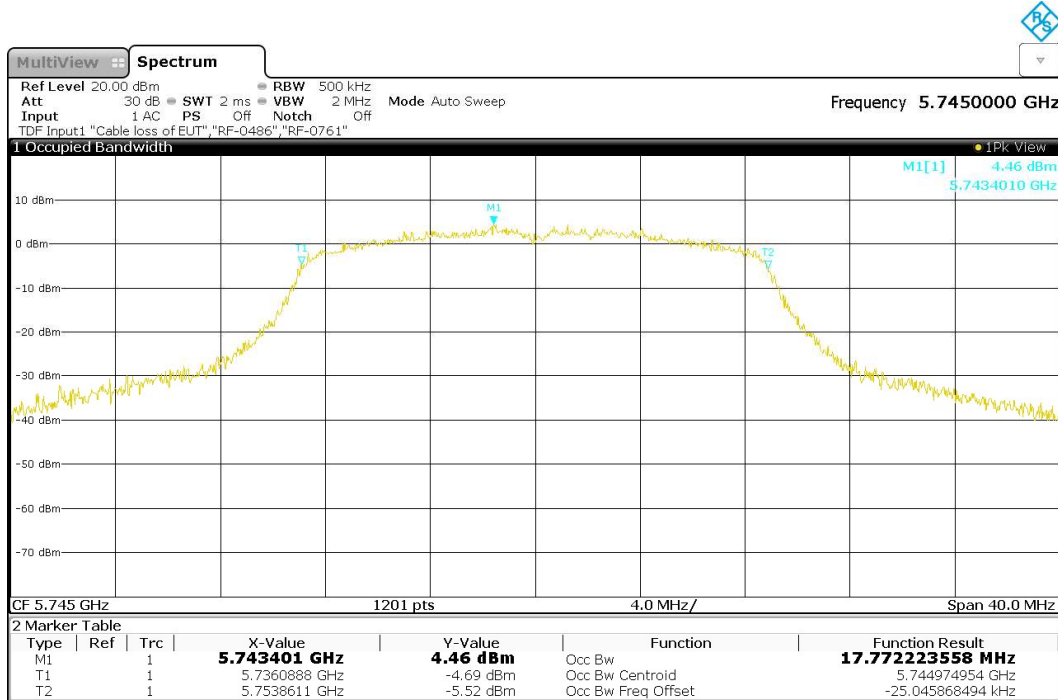
13:06:46 25.01.2021

Figure 48: 99% Bandwidth, 802.11n (20HT), 5700MHz



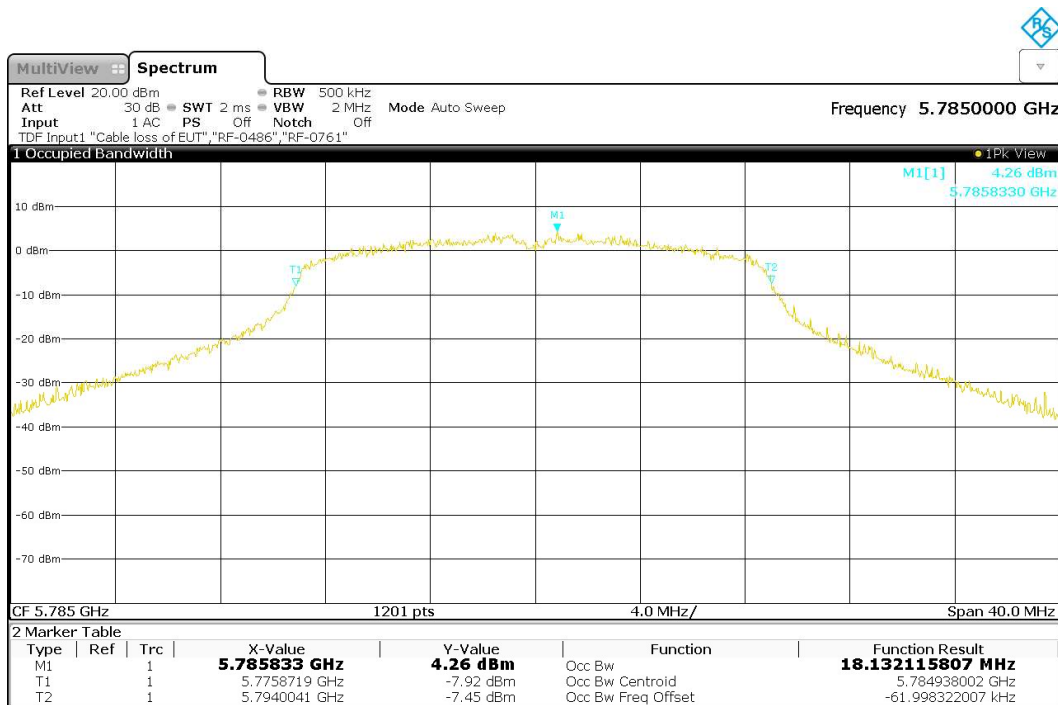
13:08:28 25.01.2021

Figure 49: 99% Bandwidth, 802.11n (20HT), 5745MHz



13:10:24 25.01.2021

Figure 50: 99% Bandwidth, 802.11n (20HT), 5785MHz



13:11:59 25.01.2021

Figure 51: 99% Bandwidth, 802.11n (20HT), 5825MHz

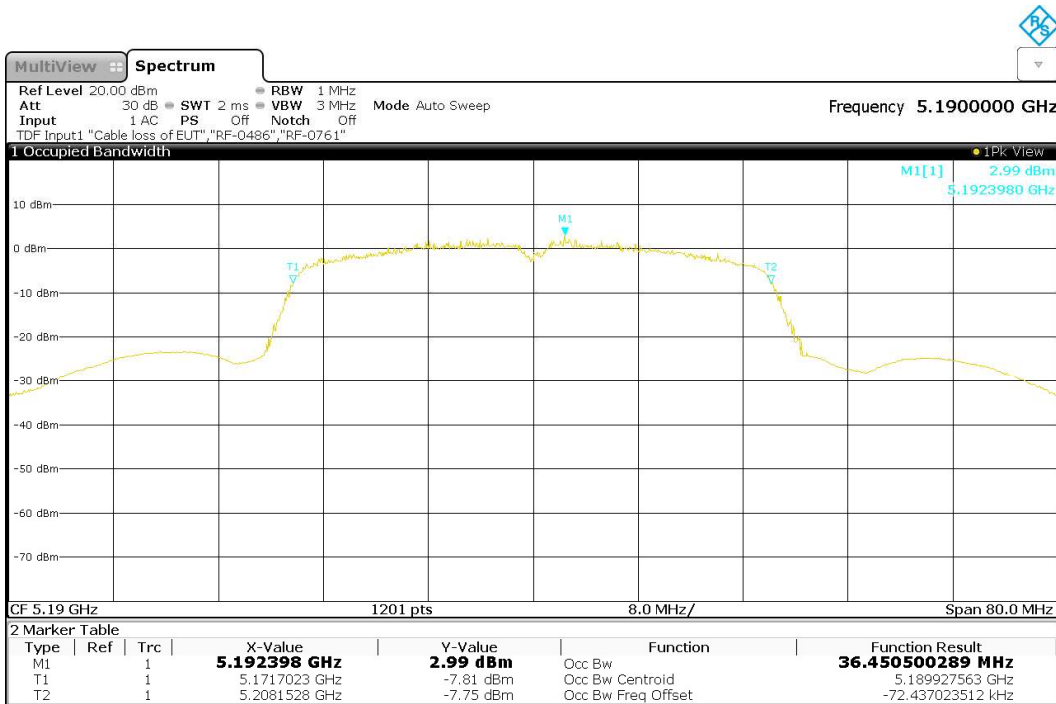


13:13:41 25.01.2021

Table 20: 99% Bandwidth, 802.11n (40HT)

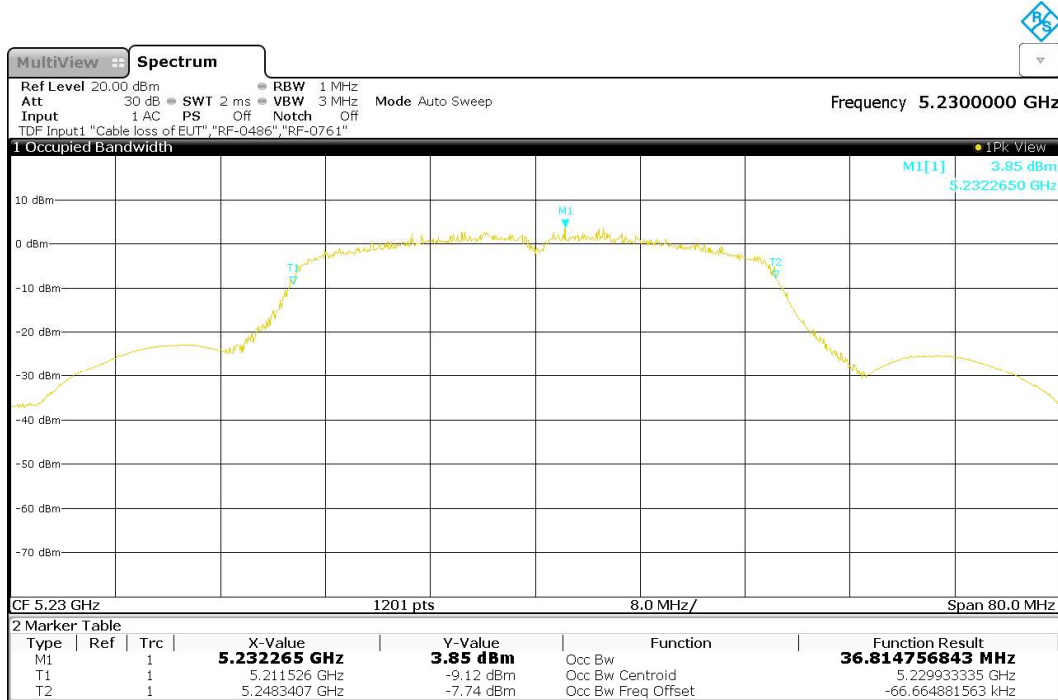
Operating Frequency [MHz]	99% Bandwidth [MHz]
5190	36.451
5230	36.815
5270	36.967
5310	36.865
5510	36.349
5550	36.958
5670	36.971
5755	36.469
5795	36.994

Figure 52: 99% Bandwidth, 802.11n (40HT), 5190MHz



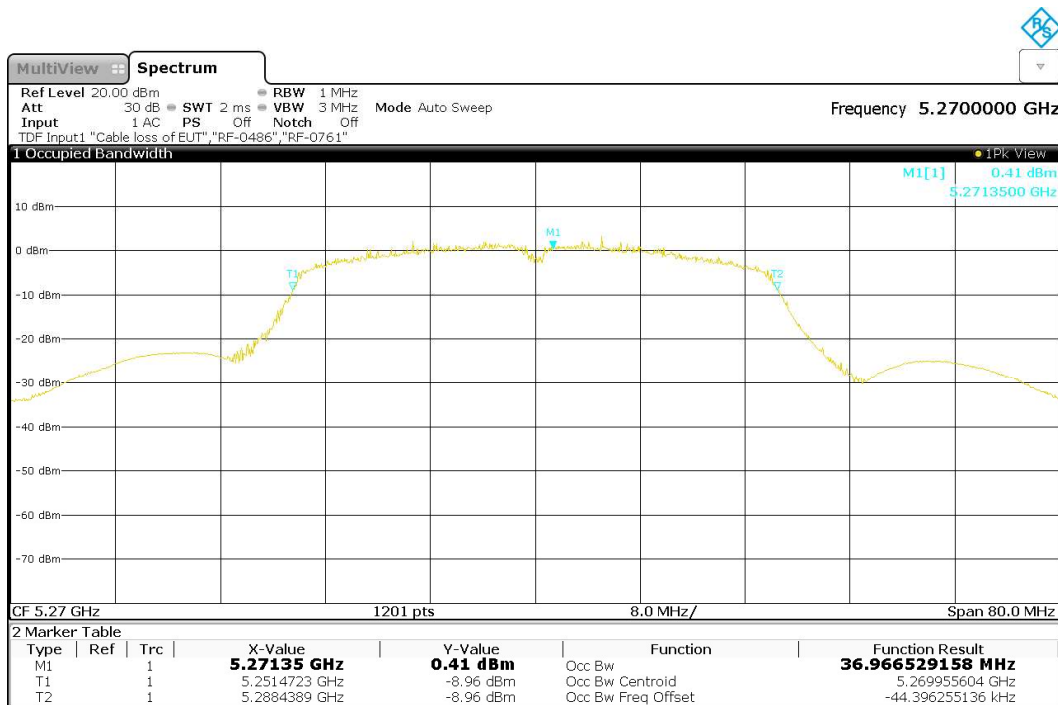
12:35:27 25.01.2021

Figure 53: 99% Bandwidth, 802.11n (40HT), 5230MHz



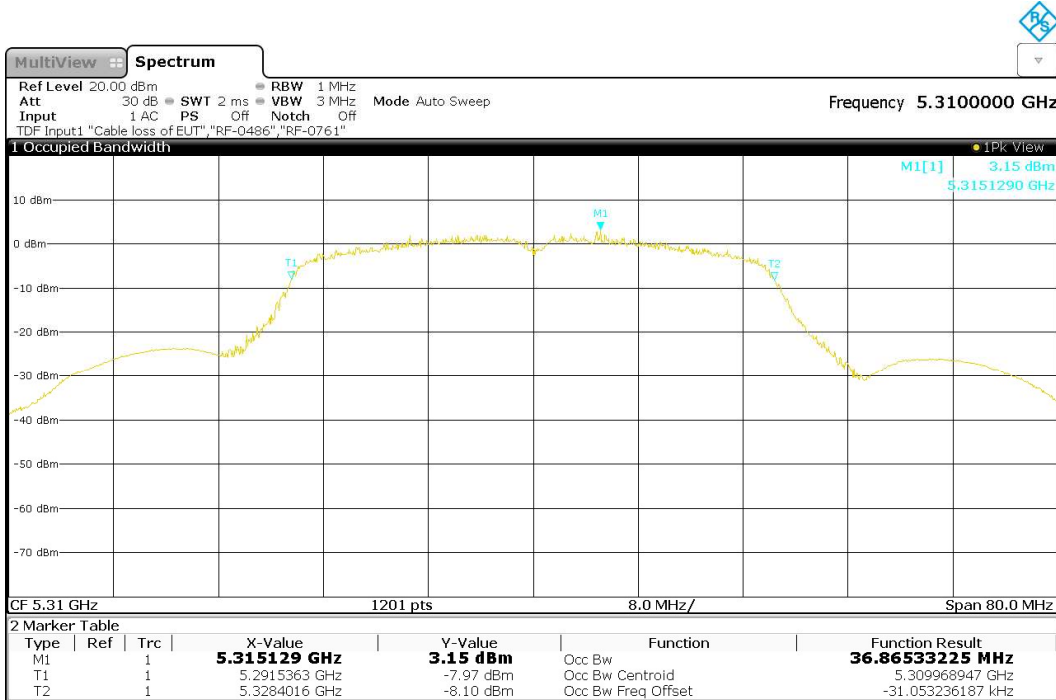
12:33:36 25.01.2021

Figure 54: 99% Bandwidth, 802.11n (40HT), 5270MHz



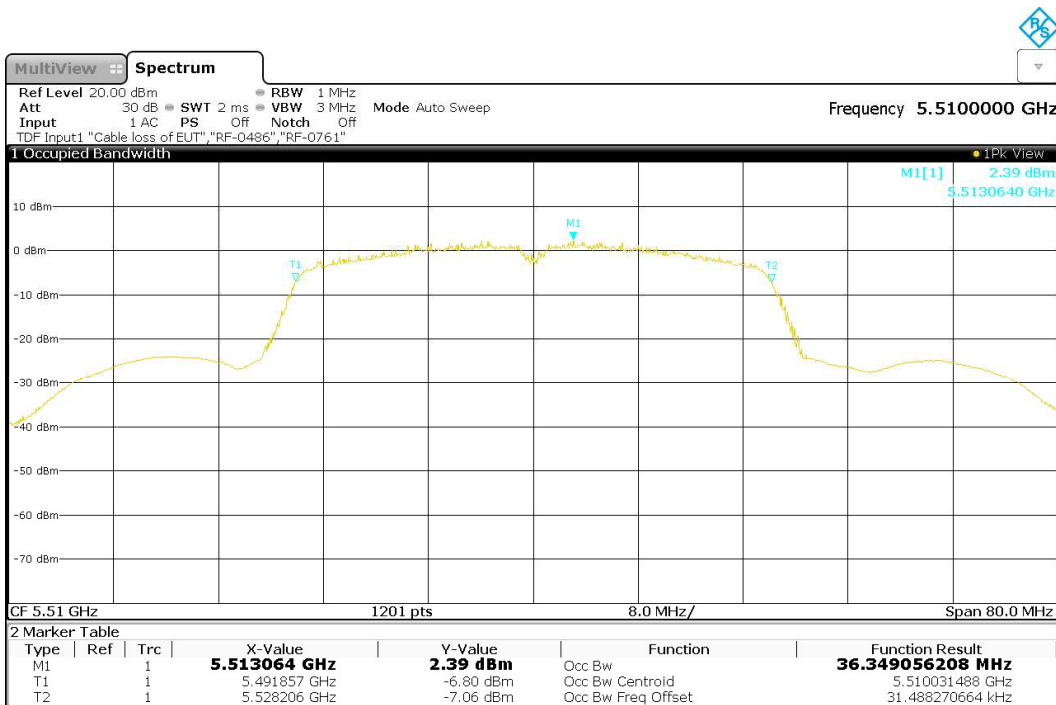
12:37:10 25.01.2021

Figure 55: 99% Bandwidth, 802.11n (40HT), 5310MHz



12:39:28 25.01.2021

Figure 56: 99% Bandwidth, 802.11n (40HT), 5510MHz



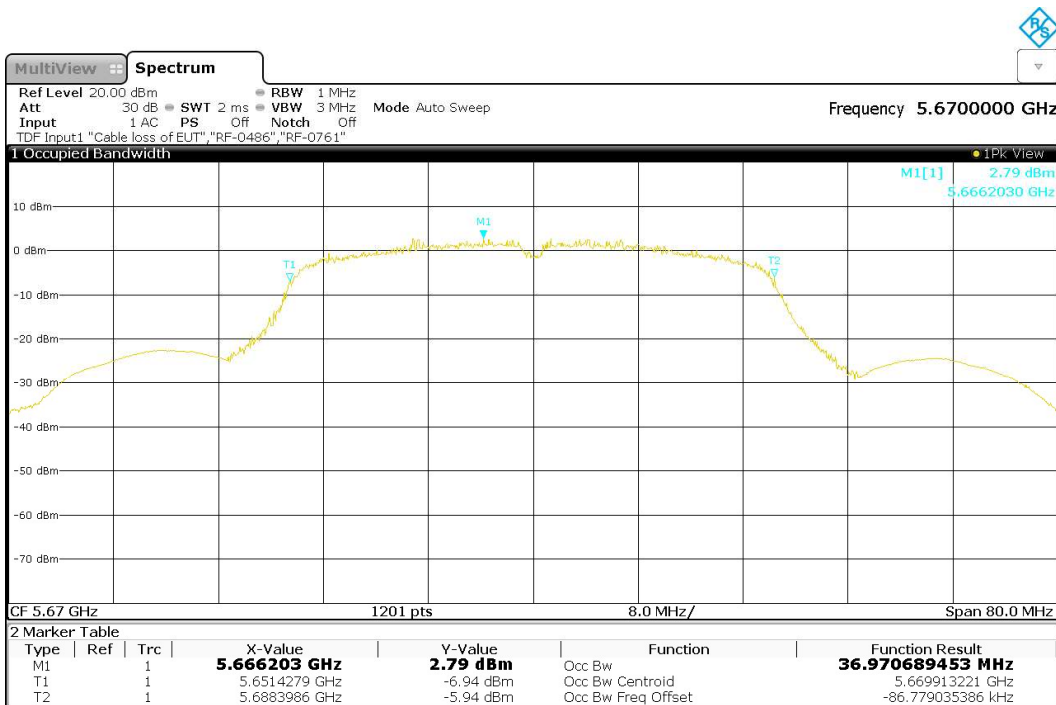
12:43:41 25.01.2021

Figure 57: 99% Bandwidth, 802.11n (40HT), 5550MHz



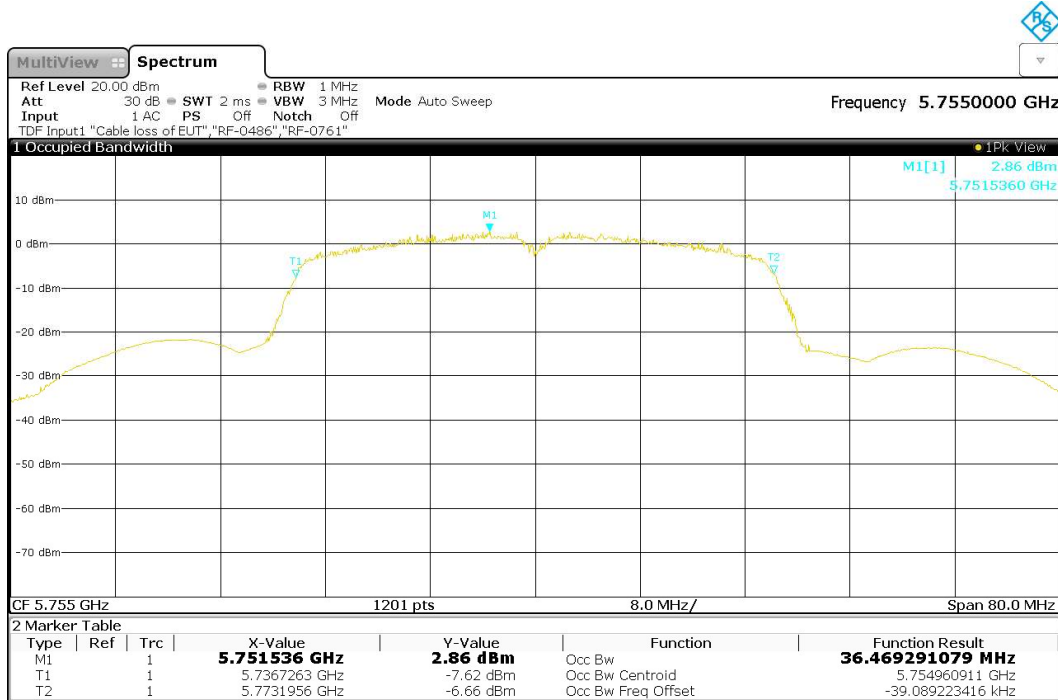
12:45:24 25.01.2021

Figure 58: 99% Bandwidth, 802.11n (40HT), 5670MHz



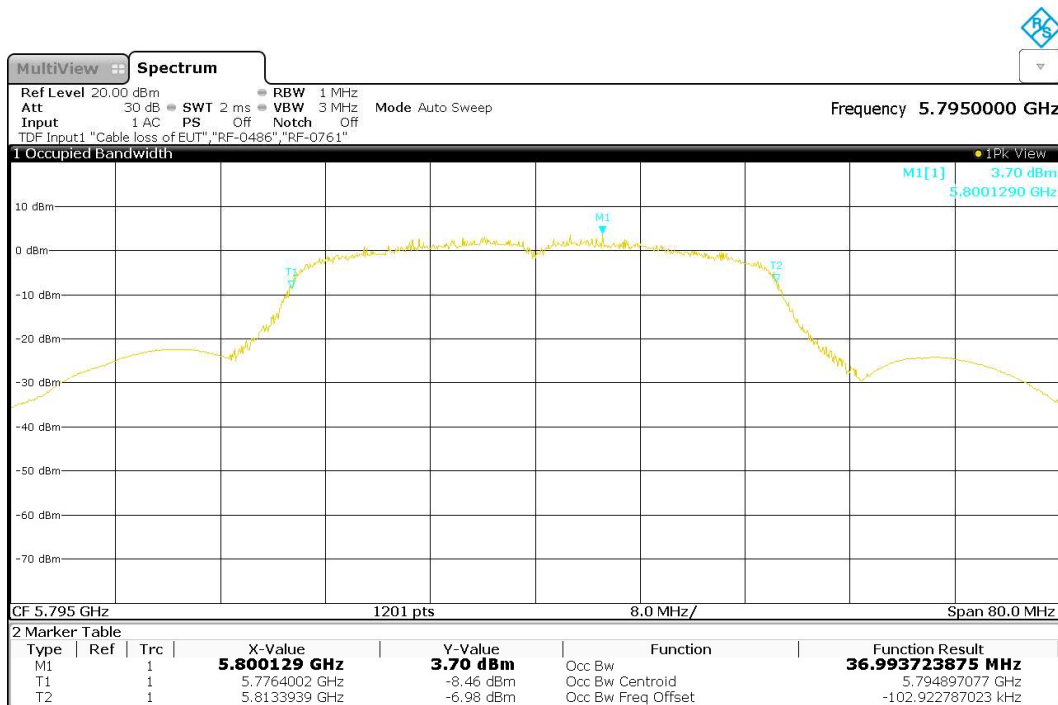
12:48:05 25.01.2021

Figure 59: 99% Bandwidth, 802.11n (40HT), 5755MHz



12:49:33 25.01.2021

Figure 60: 99% Bandwidth, 802.11n (40HT), 5795MHz



12:51:12 25.01.2021

5.2.5 Maximum Power Spectral Density

RESULT:

PASS

Date of testing: 2021-01-25, 2021-01-26

Ambient temperature: 20, 22°C
Relative humidity: 47, 52%
Atmospheric pressure: 1022, 1019hPa

Requirements:

FCC 15.407 (a)(1)-(3)

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 5.25-5.35 GHz and 5.47-5.725 GHz bands, 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 500-kHz 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

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

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

Table 21: Maximum Power Spectral Density, 802.11a

Operating Frequency [MHz]	Reading [dBm]	Duty Factor [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5180	3.57	1.46	5.03	11	5.97
5220	3.97	1.46	5.43	11	5.57
5240	3.56	1.46	5.02	11	5.98
5260	3.05	1.46	4.51	11	6.49
5300	2.98	1.46	4.44	11	6.56
5320	2.87	1.46	4.33	11	6.67
5500	3.24	1.46	4.70	11	6.30
5580	3.61	1.46	5.07	11	5.93
5700	3.32	1.46	4.78	11	6.22
5745	3.65	1.46	5.11	30	24.89
5785	3.33	1.46	4.79	30	25.21
5825	3.11	1.46	4.57	30	25.43

Figure 61: Maximum Power Spectral Density, 802.11a, 5180MHz

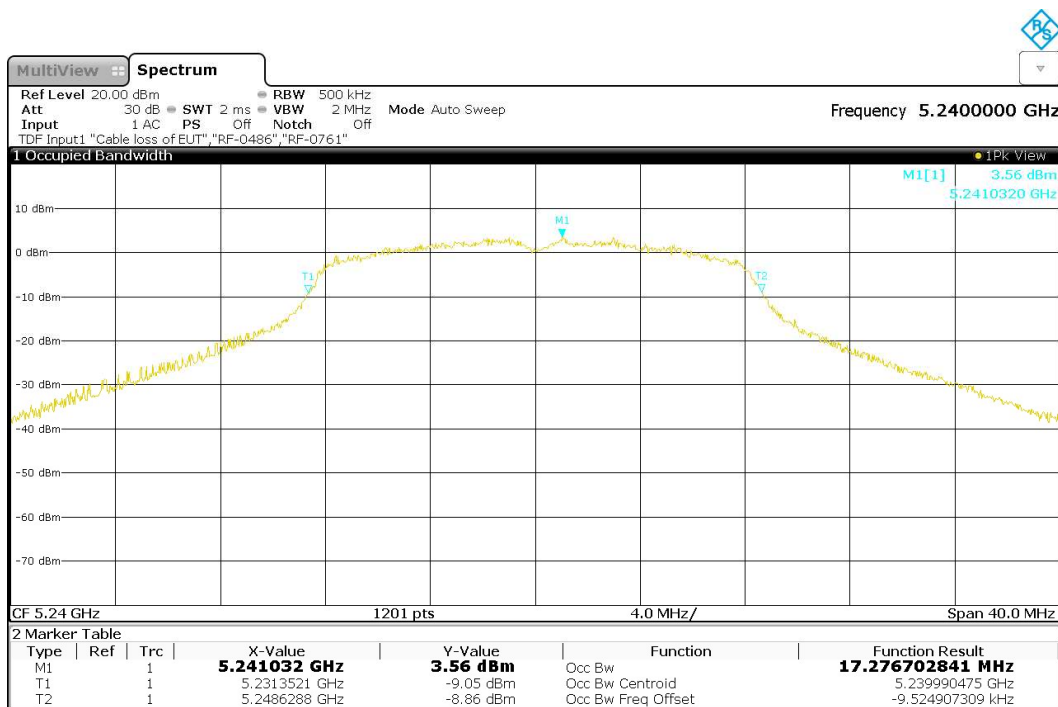


Figure 62: Maximum Power Spectral Density, 802.11a, 5220MHz



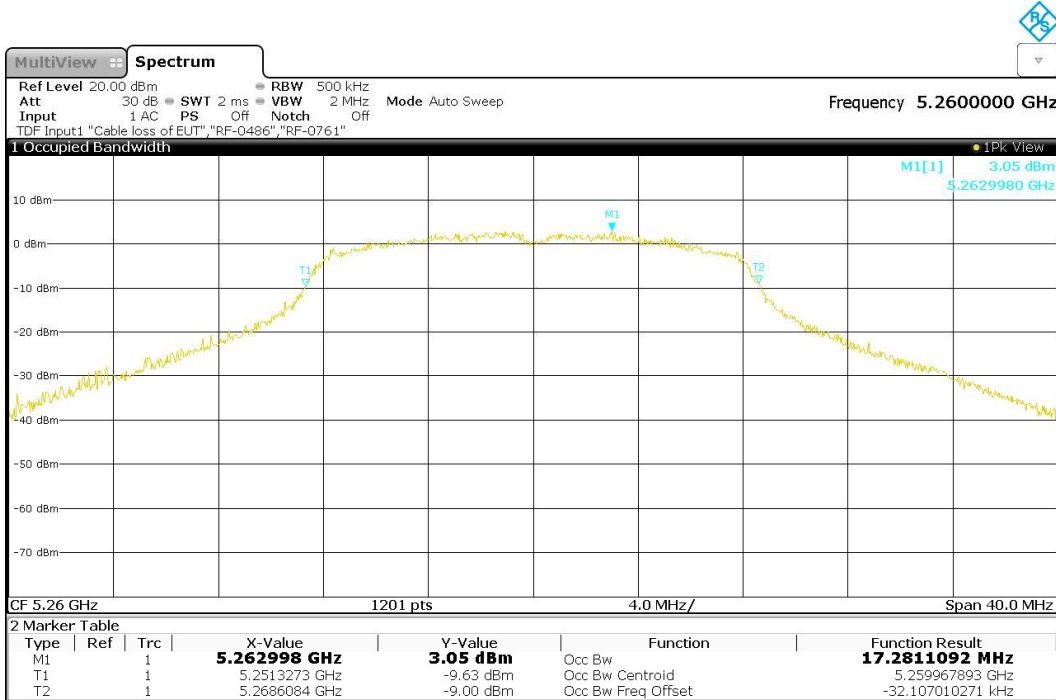
13:35:44 25.01.2021

Figure 63: Maximum Power Spectral Density, 802.11a, 5240MHz



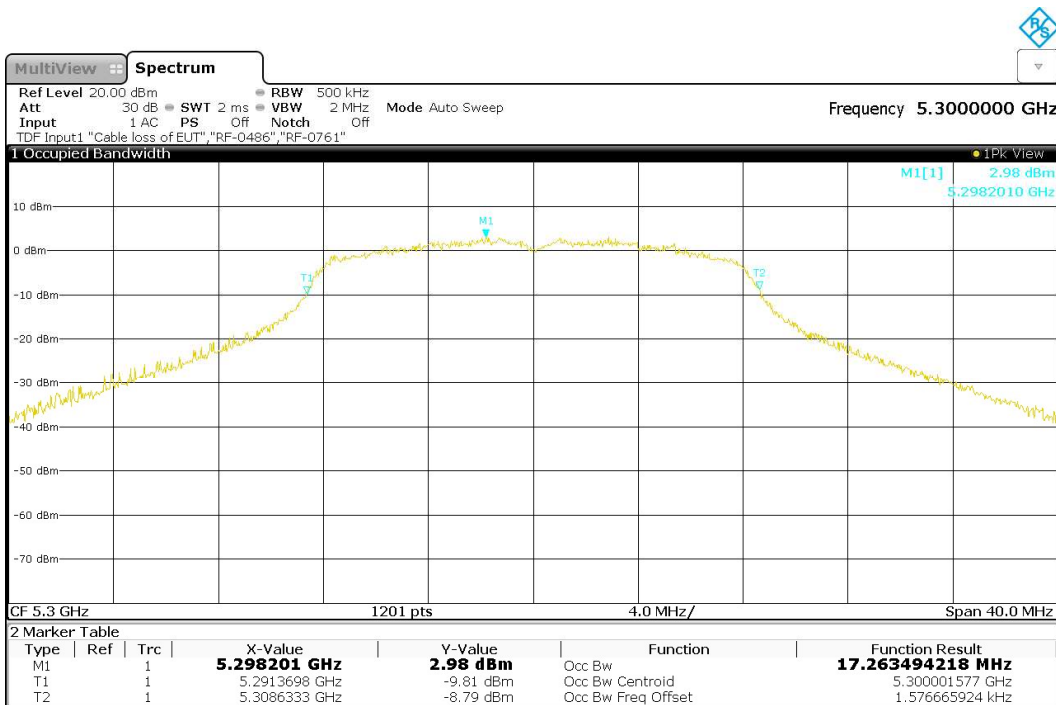
13:33:49 25.01.2021

Figure 64: Maximum Power Spectral Density, 802.11a, 5260MHz



13:32:10 25.01.2021

Figure 65: Maximum Power Spectral Density, 802.11a, 5300MHz



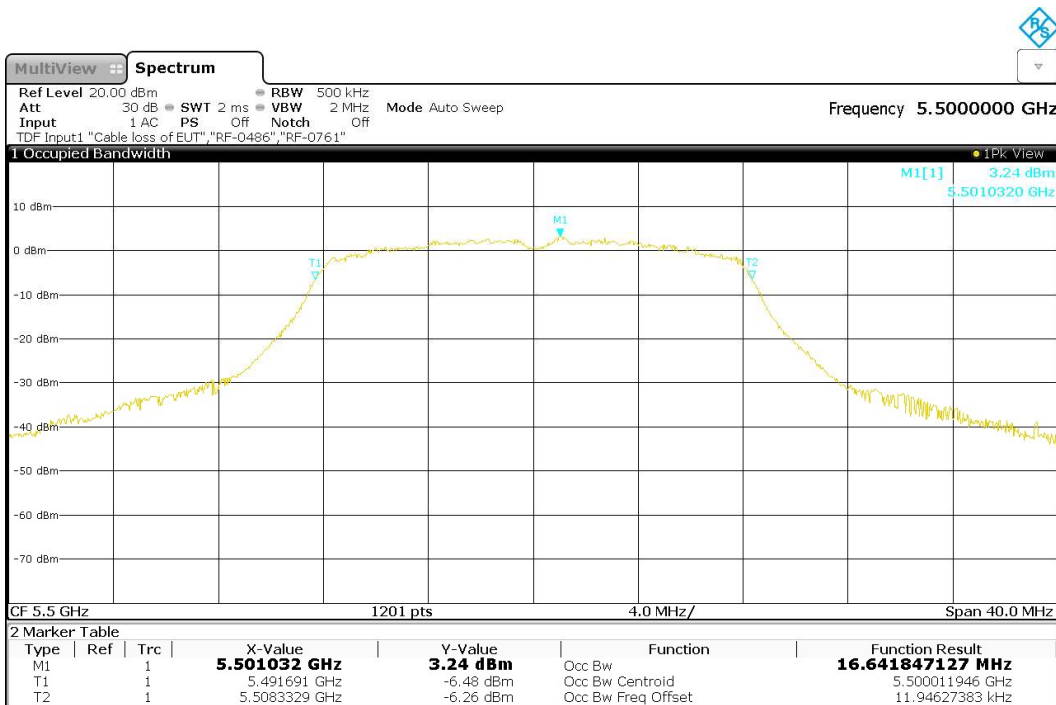
13:30:26 25.01.2021

Figure 66: Maximum Power Spectral Density, 802.11a, 5320MHz



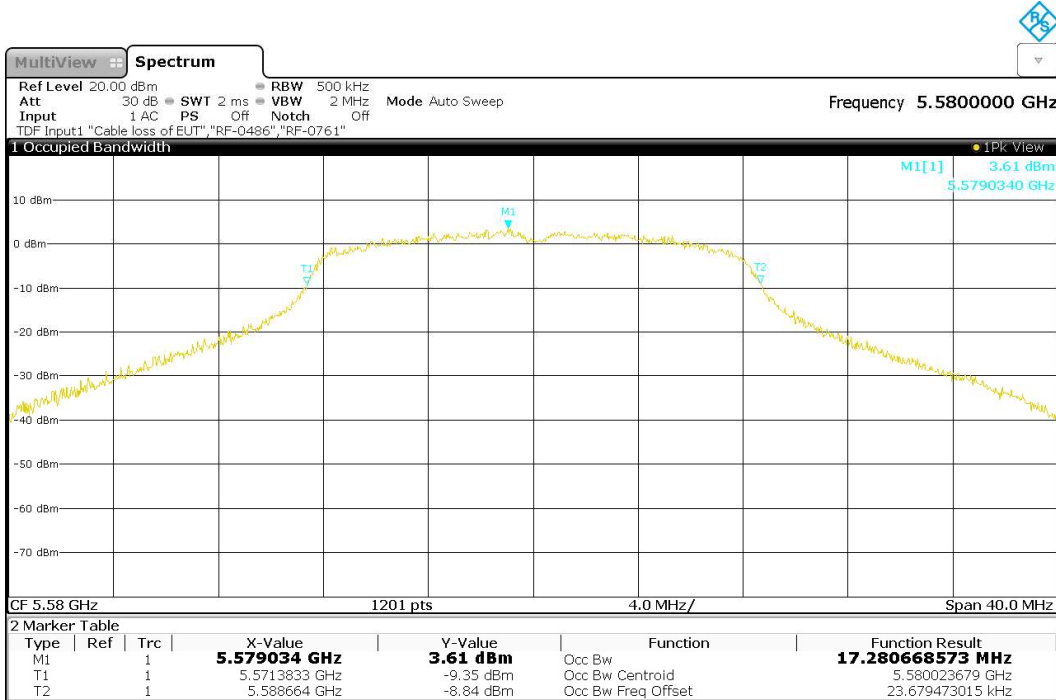
13:28:51 25.01.2021

Figure 67: Maximum Power Spectral Density, 802.11a, 5500MHz



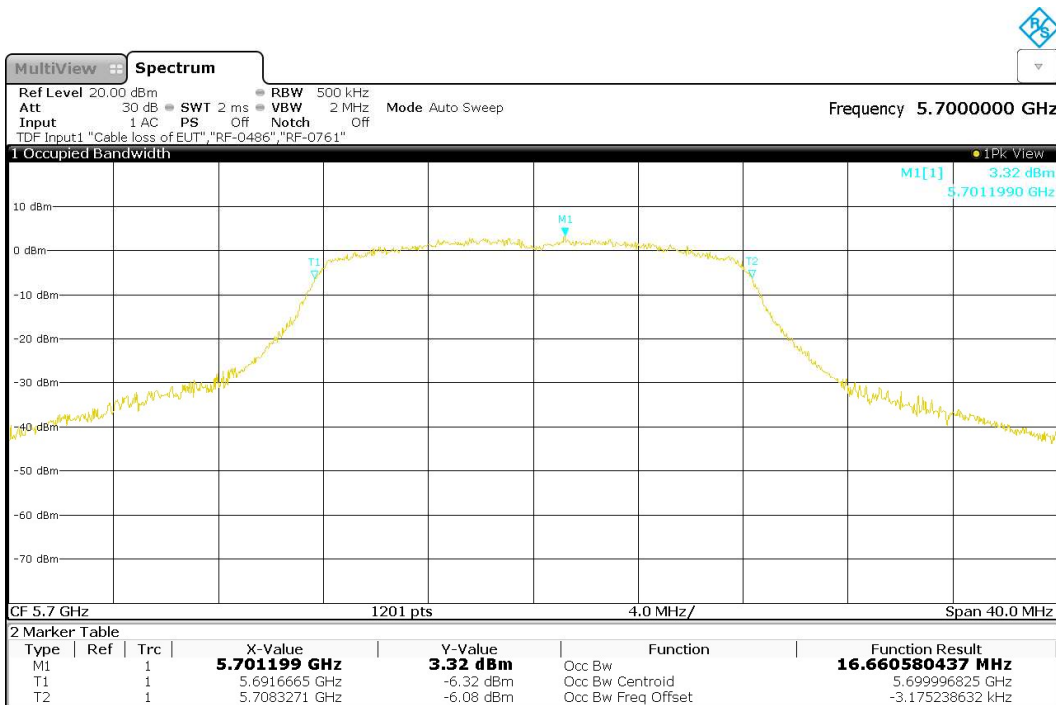
13:27:16 25.01.2021

Figure 68: Maximum Power Spectral Density, 802.11a, 5580MHz



13:23:43 25.01.2021

Figure 69: Maximum Power Spectral Density, 802.11a, 5700MHz



13:21:49 25.01.2021

Figure 70: Maximum Power Spectral Density, 802.11a, 5745MHz



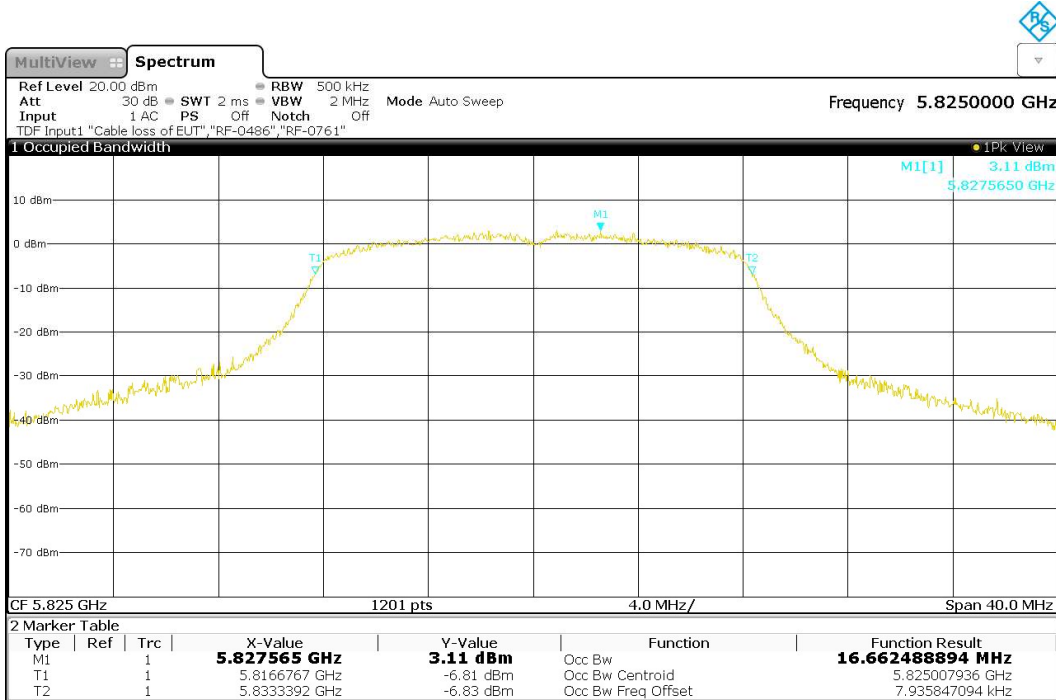
13:20:20 25.01.2021

Figure 71: Maximum Power Spectral Density, 802.11a, 5785MHz



13:18:37 25.01.2021

Figure 72: Maximum Power Spectral Density, 802.11a, 5825MHz



13:17:17 25.01.2021

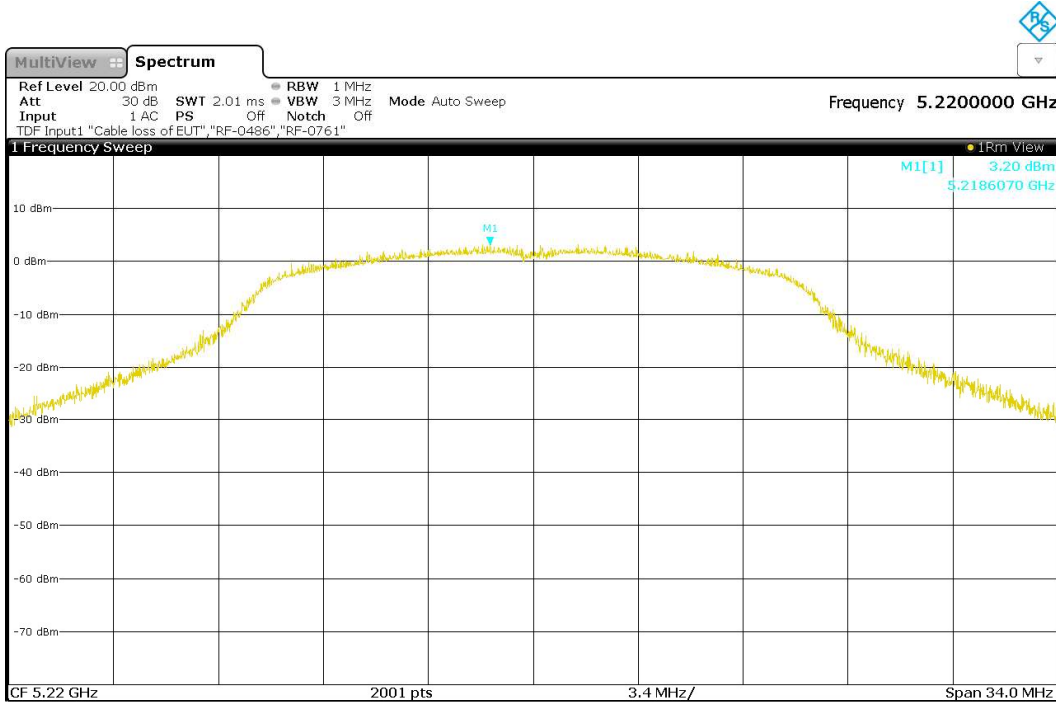
Table 22: Maximum Power Spectral Density, 802.11n (20HT)

Operating Frequency [MHz]	Reading [dBm]	Duty Factor [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5180	3.67	1.55	5.22	11	5.78
5220	3.20	1.55	4.75	11	6.25
5240	3.71	1.55	5.26	11	5.74
5260	3.50	1.55	5.05	11	5.95
5300	3.53	1.55	5.08	11	5.92
5320	3.88	1.55	5.43	11	5.57
5500	3.16	1.55	4.71	11	6.29
5580	2.97	1.55	4.52	11	6.48
5700	3.87	1.55	5.42	11	5.58
5745	1.73	1.55	3.28	30	26.72
5785	1.17	1.55	2.72	30	27.28
5825	1.29	1.55	2.84	30	27.16

Figure 73: Maximum Power Spectral Density, 802.11n (20HT), 5180MHz

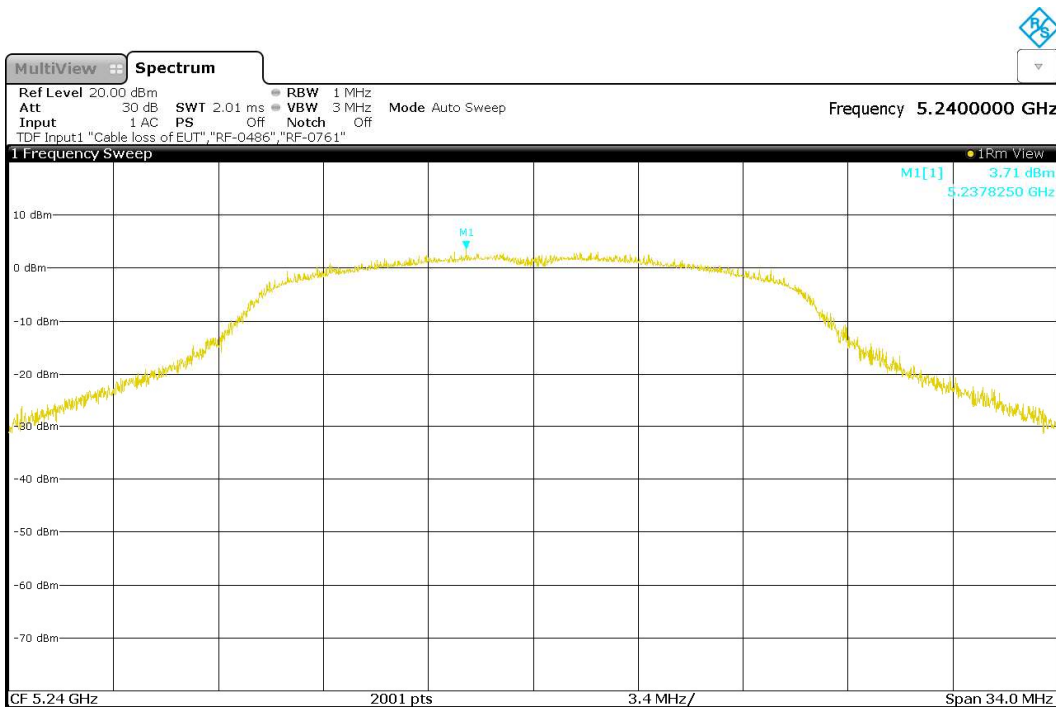


Figure 74: Maximum Power Spectral Density, 802.11n (20HT), 5220MHz



09:13:21 26.01.2021

Figure 75: Maximum Power Spectral Density, 802.11n (20HT), 5240MHz



09:12:07 26.01.2021