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Appendix B: 802.11ax Test Plot

FCC ID
A3LSMX806B

REVISION HISTORY

The revision history for this document is shown in table.

Revision No.	Date of Issue	Description
0	November 29, 2021	Initial Release

Note:

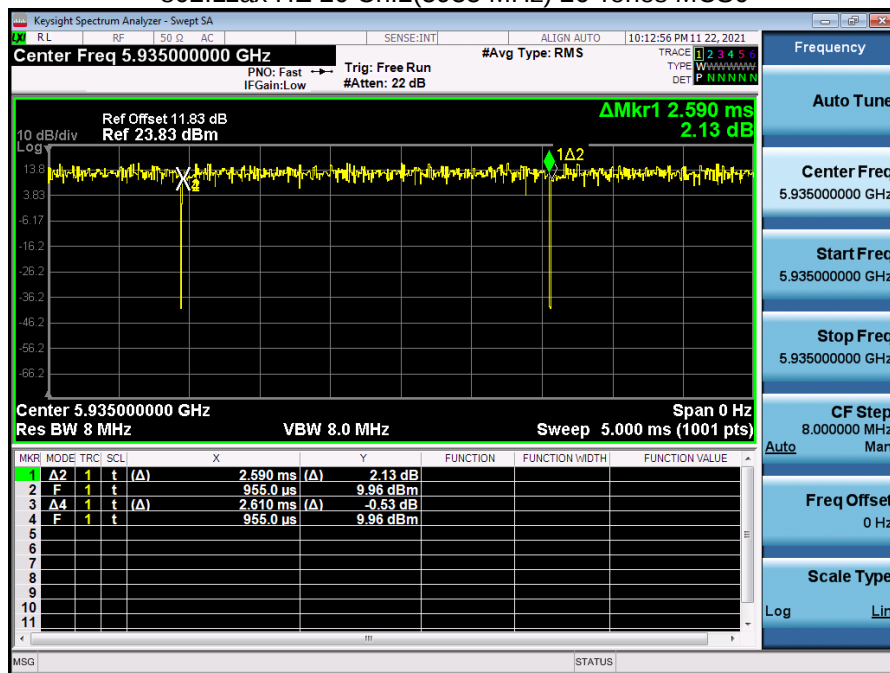
In order to simplify the report, attached plots were only the most lowest datarate.

1. Duty Cycle

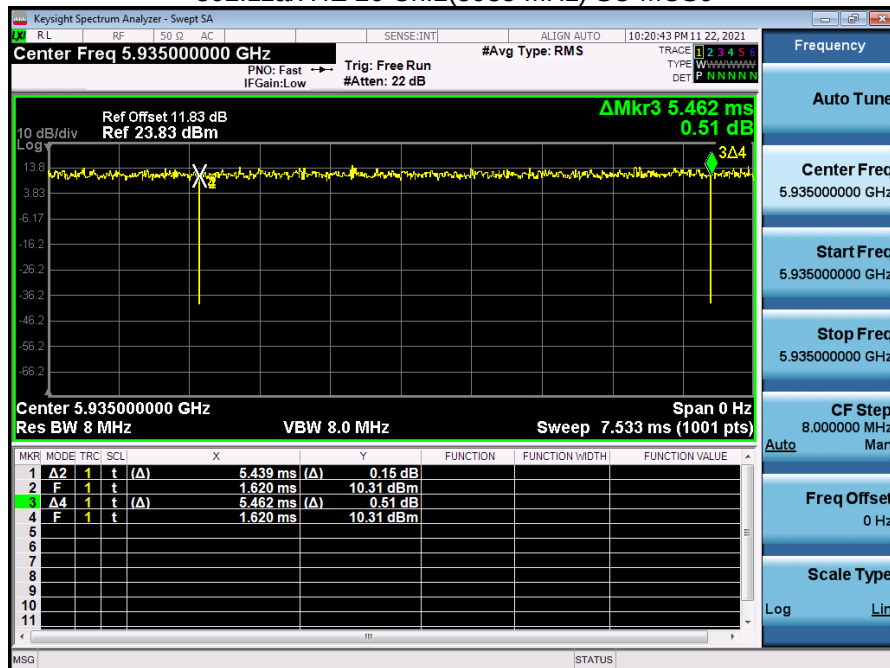
Note:

In order to simplify the report, attached plots were only the most lowest datarate .

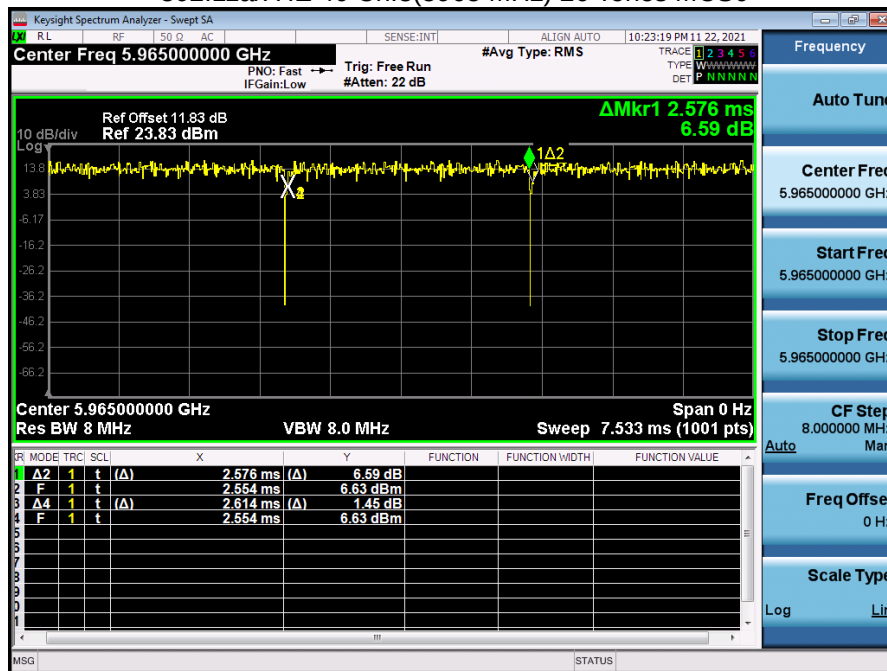
802.11ax HE 20 Ch.2(5935 MHz) 26 Tones MCS0



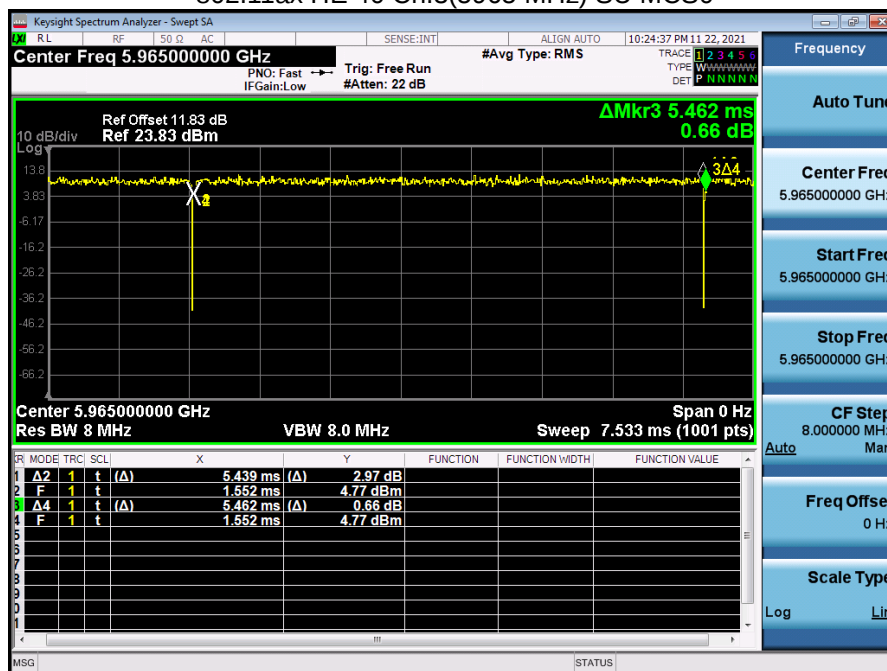
802.11ax HE 20 Ch.2(5935 MHz) SU MCS0



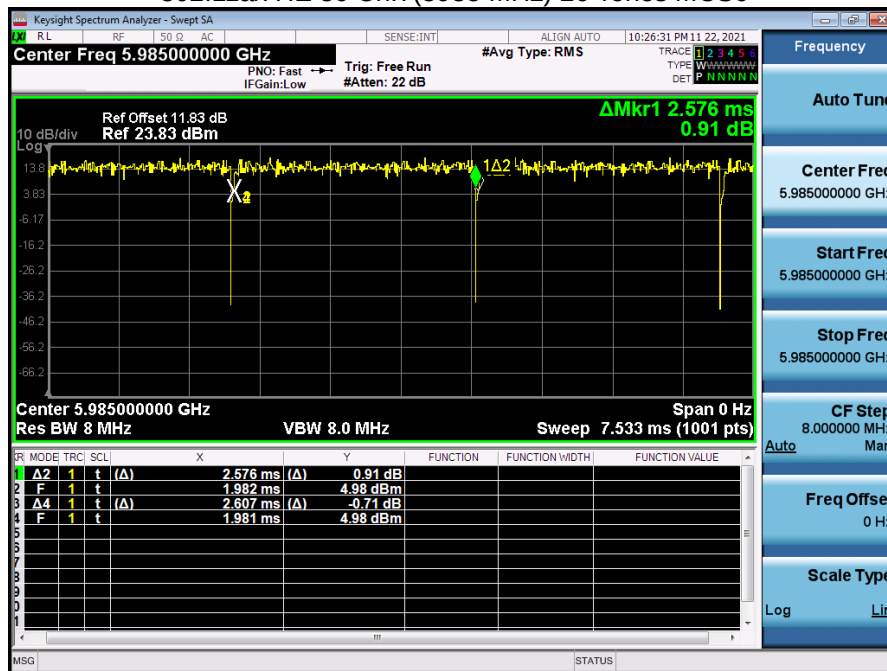
802.11ax HE 40 Ch.3(5965 MHz) 26 Tones MCS0



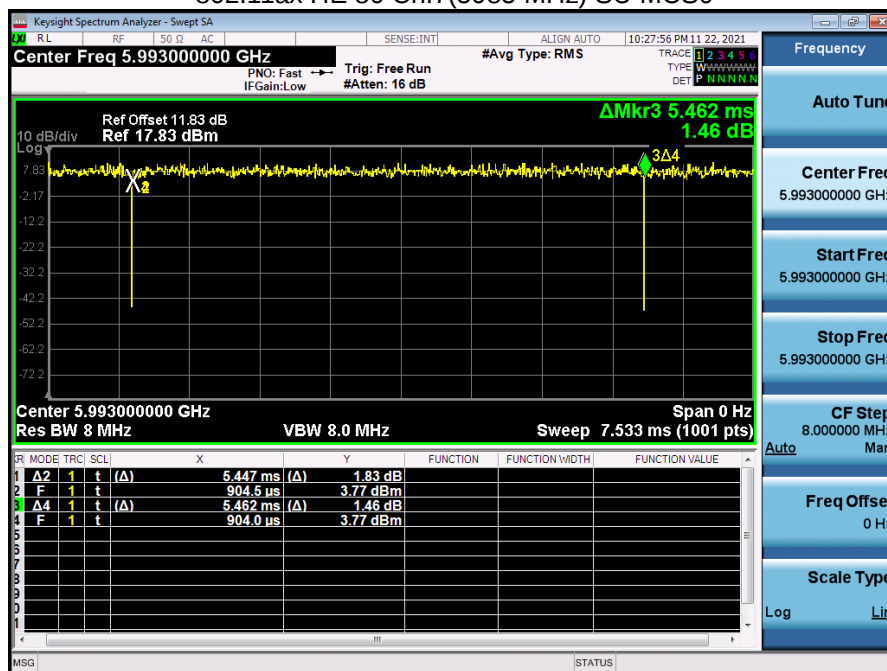
802.11ax HE 40 Ch.3(5965 MHz) SU MCS0



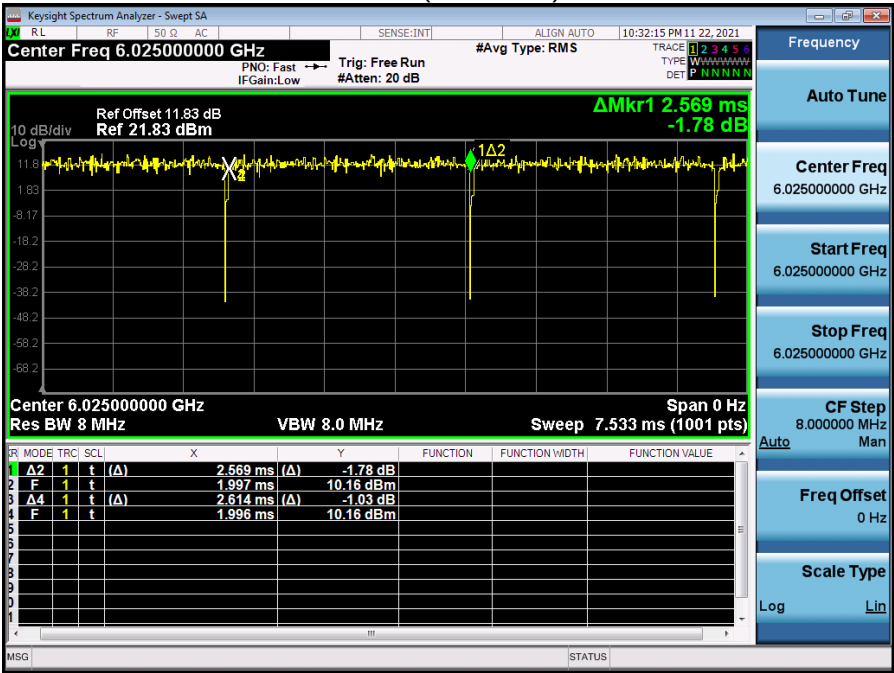
802.11ax HE 80 Ch.7(5985 MHz) 26 Tones MCS0



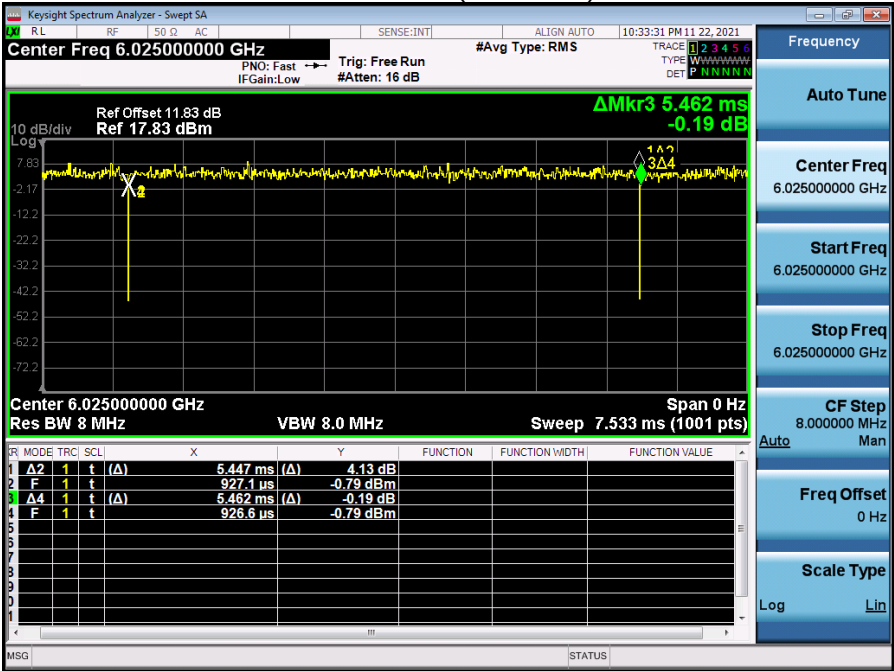
802.11ax HE 80 Ch.7(5985 MHz) SU MCS0



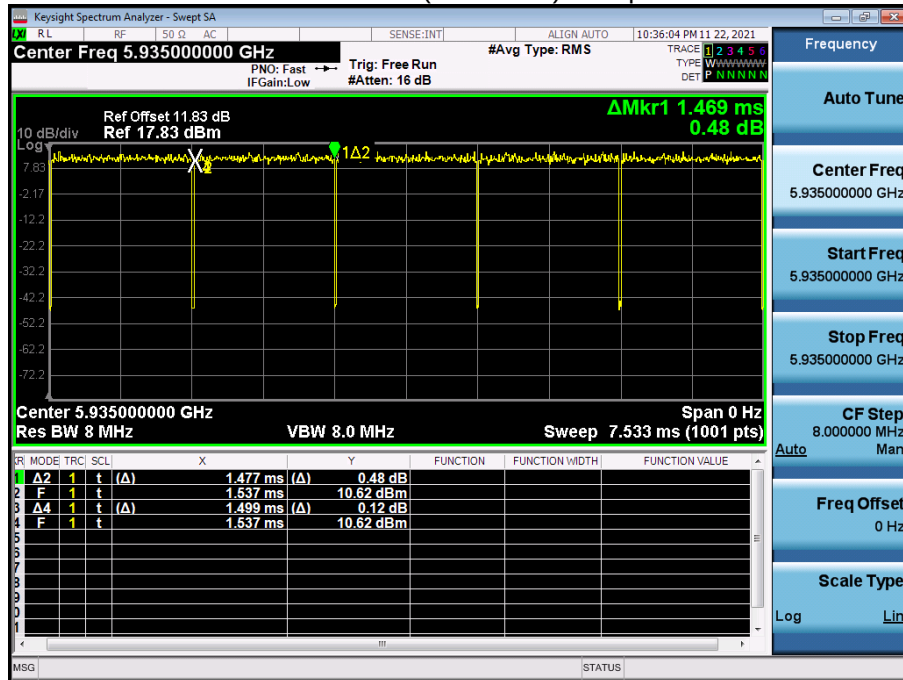
802.11ax HE 160 Ch.15(6025 MHz) 26 Tones MCS0



802.11ax HE 160 Ch.15(6025 MHz) SU MCS0



802.11a Ch.2(5935 MHz) 6 Mbps

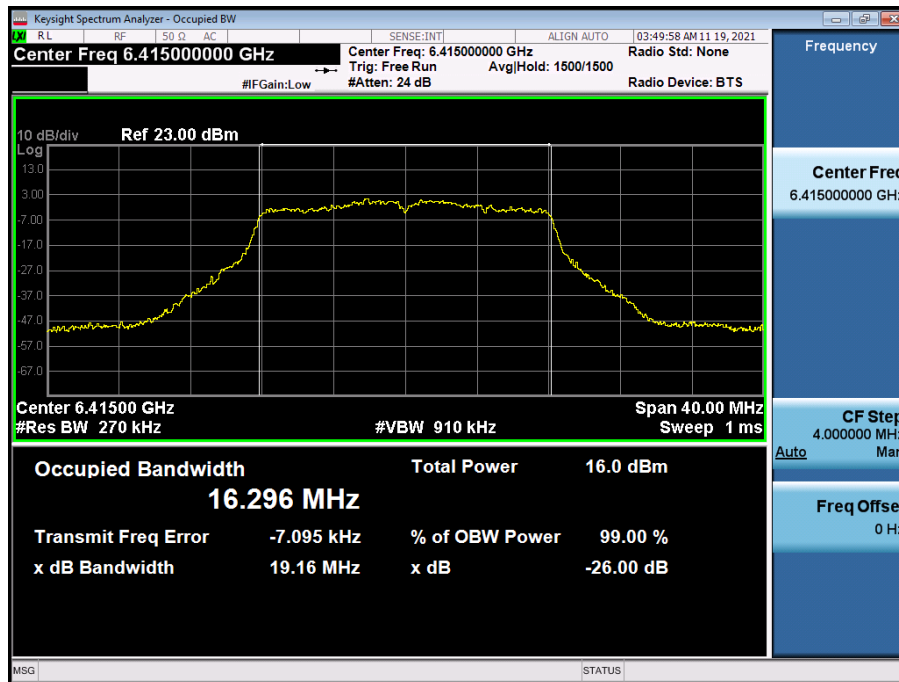


2. 26dB Bandwidth

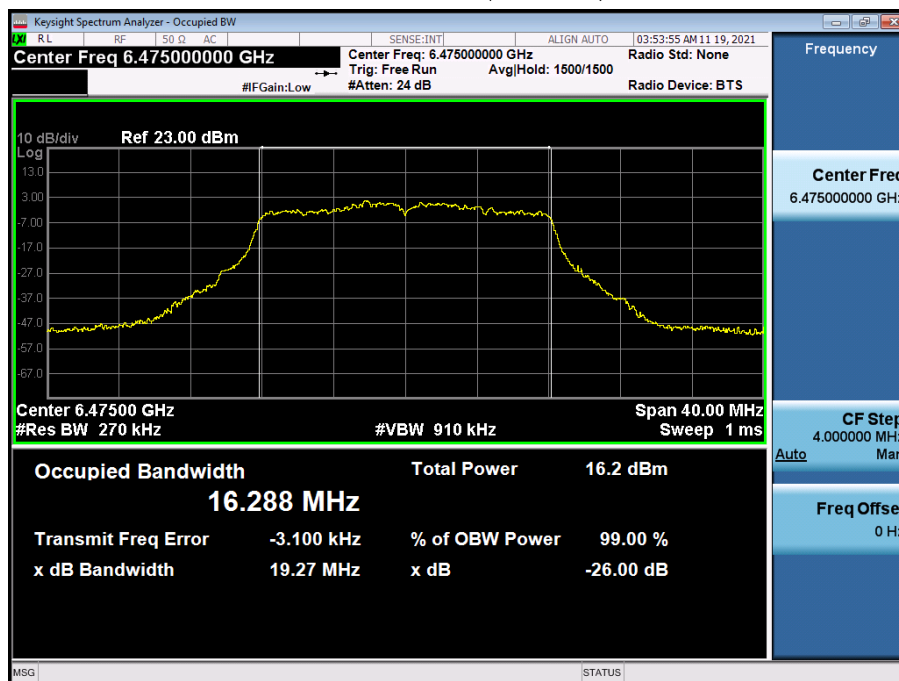
Note:

1. In order to simplify the report, attached plots were only Ant.2 (Worst Case: Ant.2).
2. In order to simplify the report, attached plots were only the most wide channel.

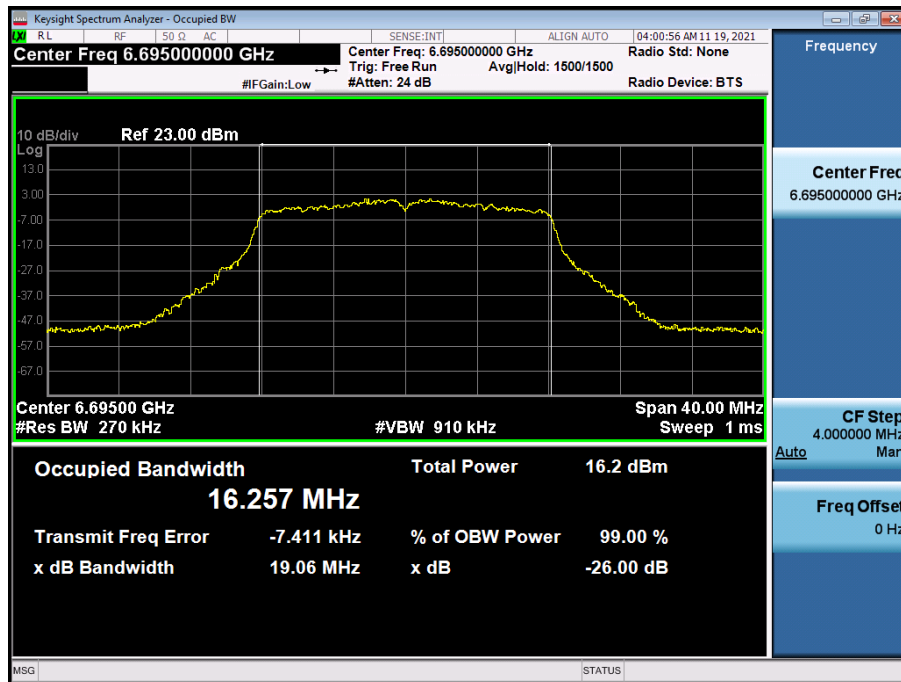
802.11a Ch.93(6415 MHz)



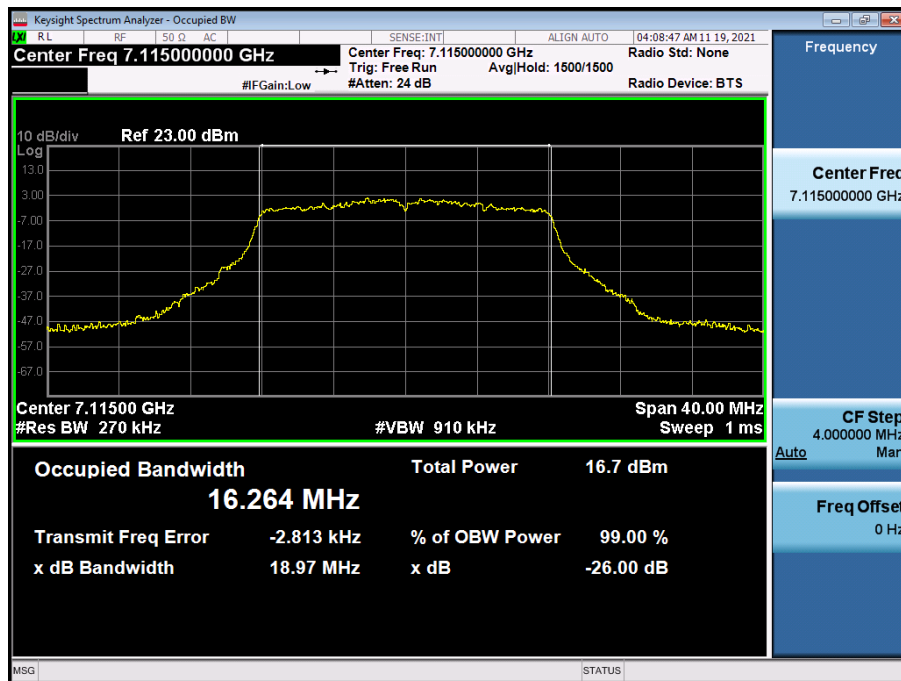
802.11a Ch.105(6475 MHz)



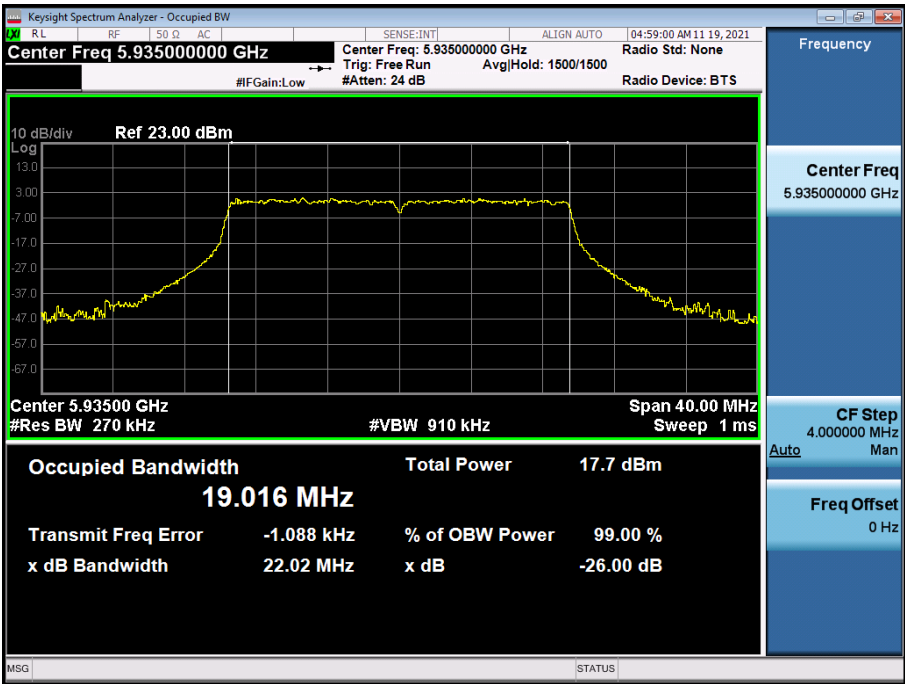
802.11a Ch.149(6695 MHz)



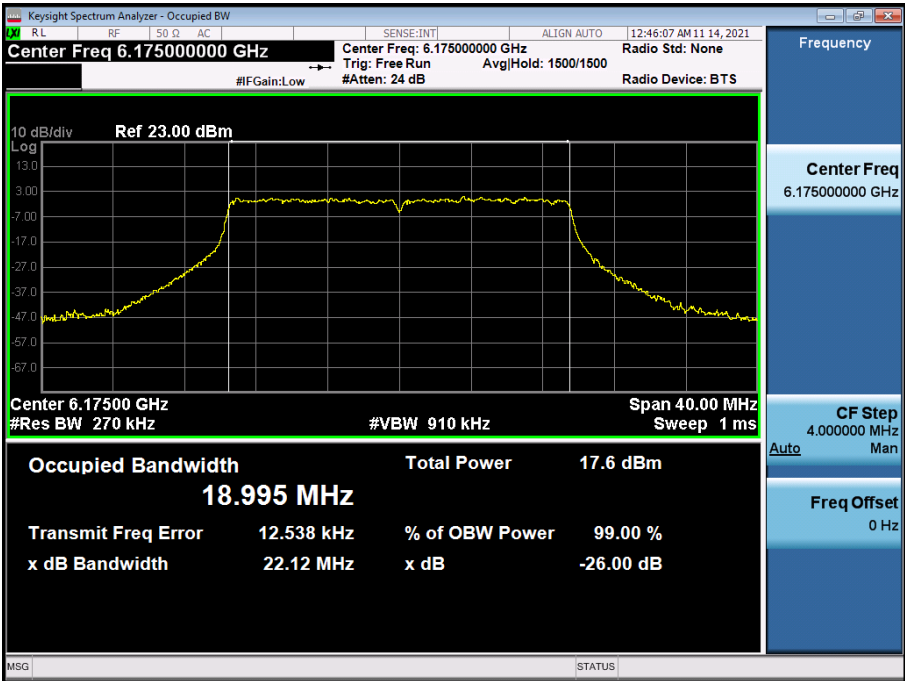
802.11a Ch.233(7115 MHz)



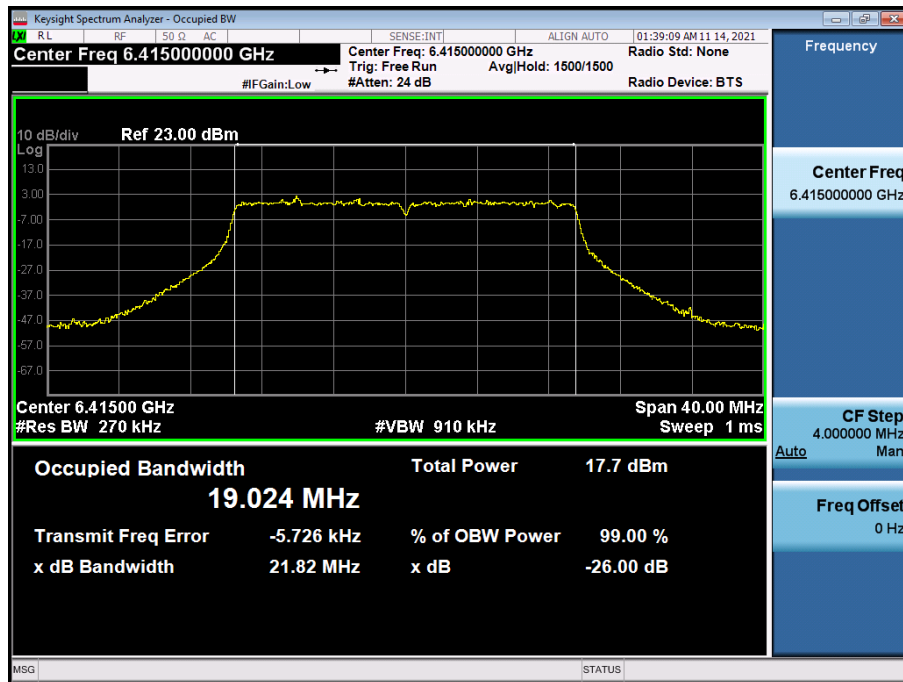
802.11ax HE20 Ch.2(5935 MHz) 242 Tones 61 RU



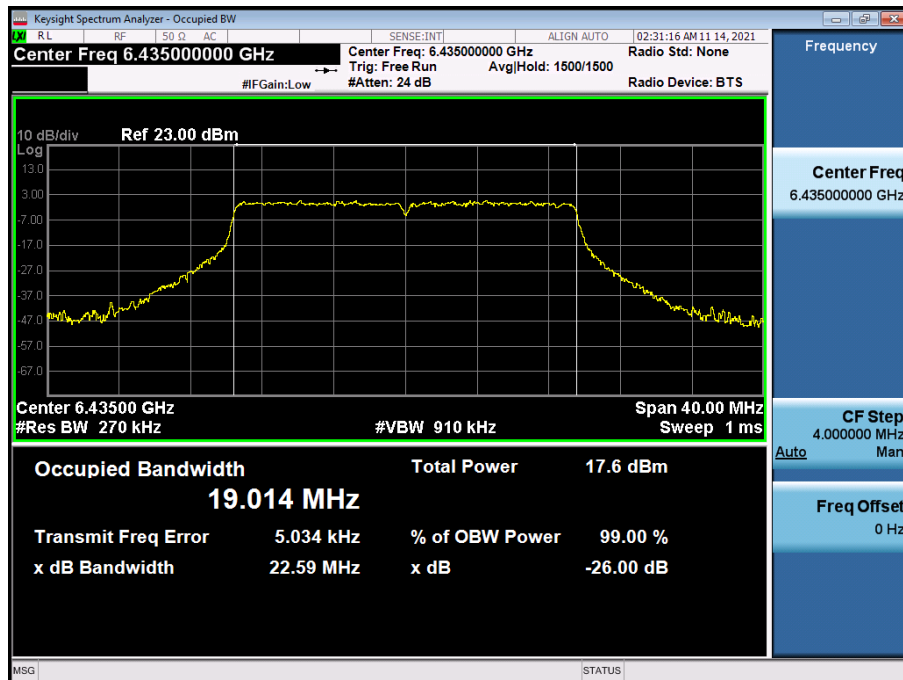
802.11ax HE20 Ch.45(6175 MHz) 242 Tones 61 RU



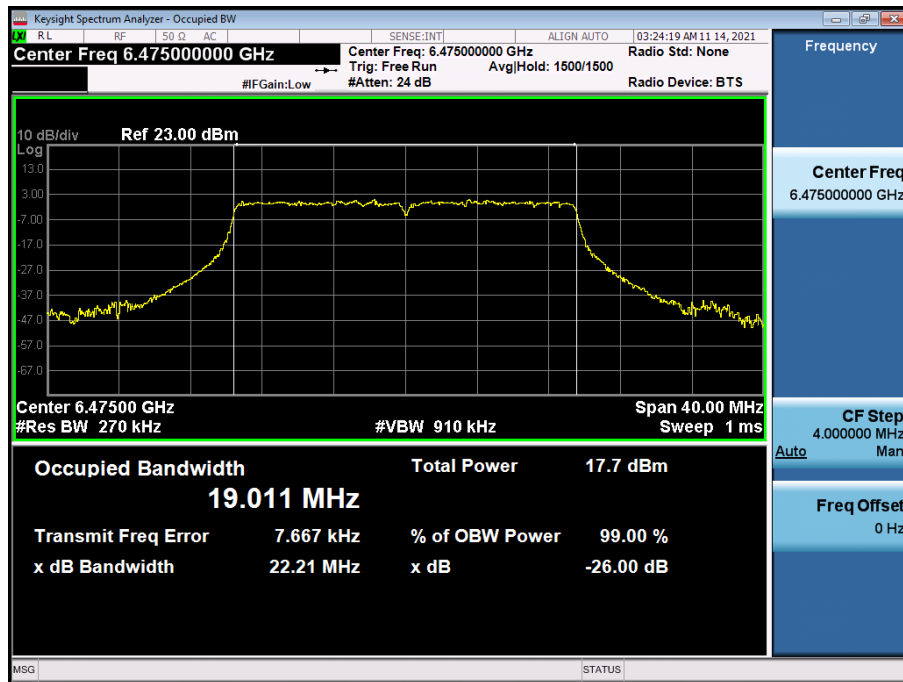
802.11ax HE20 Ch.93(6415 MHz) 242 Tones 61 RU



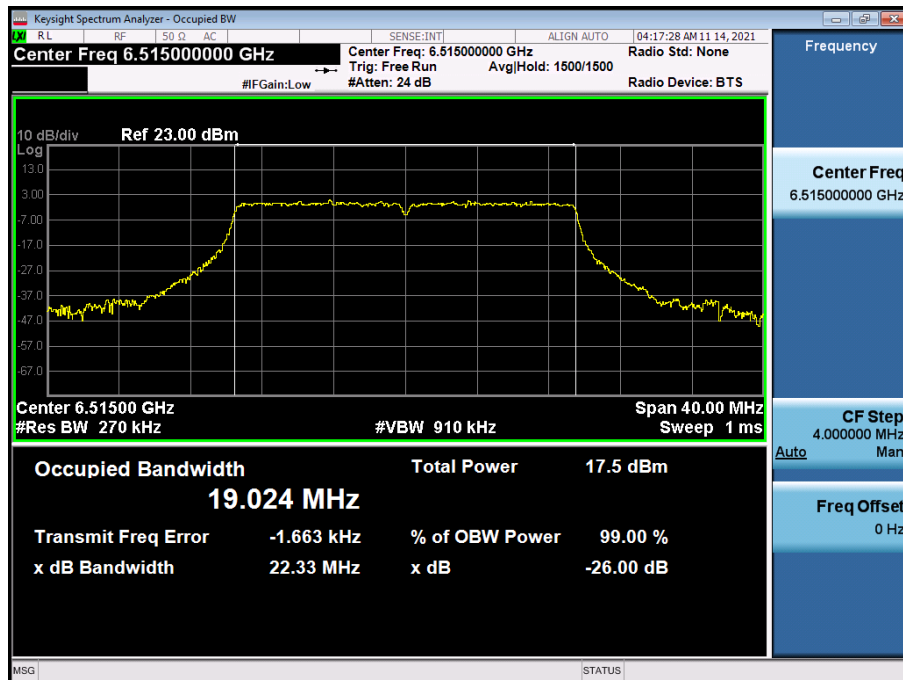
802.11ax HE20 Ch.97(6435 MHz) 242 Tones 61 RU



802.11ax HE20 Ch.105(6475 MHz) 242 Tones 61 RU



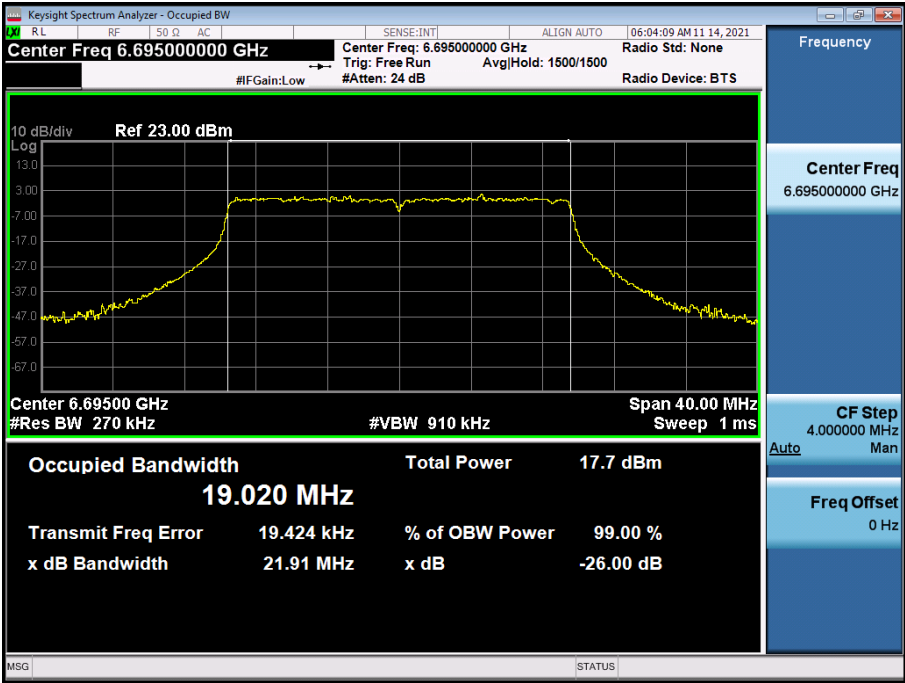
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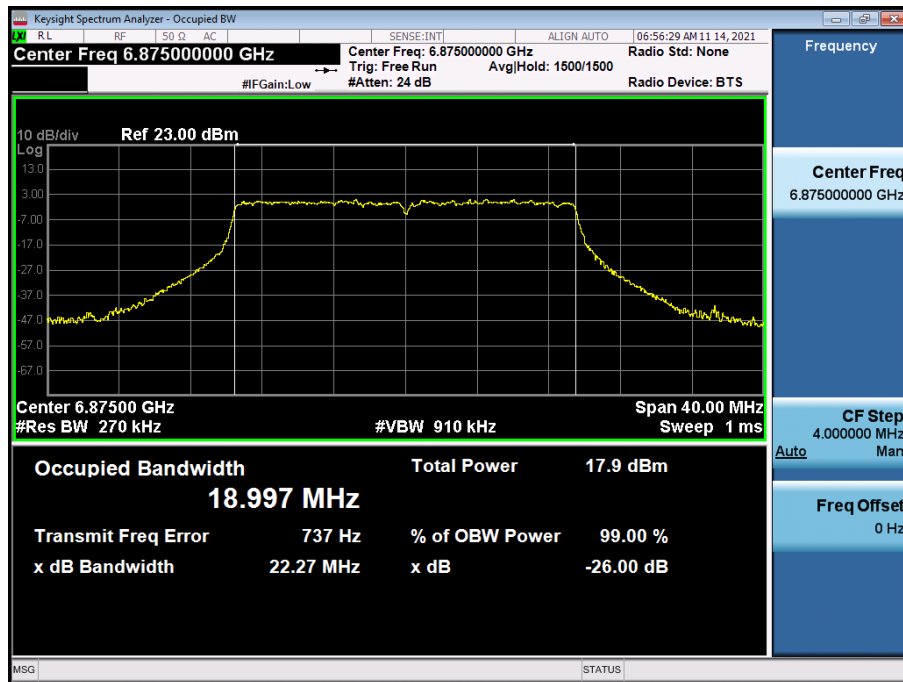
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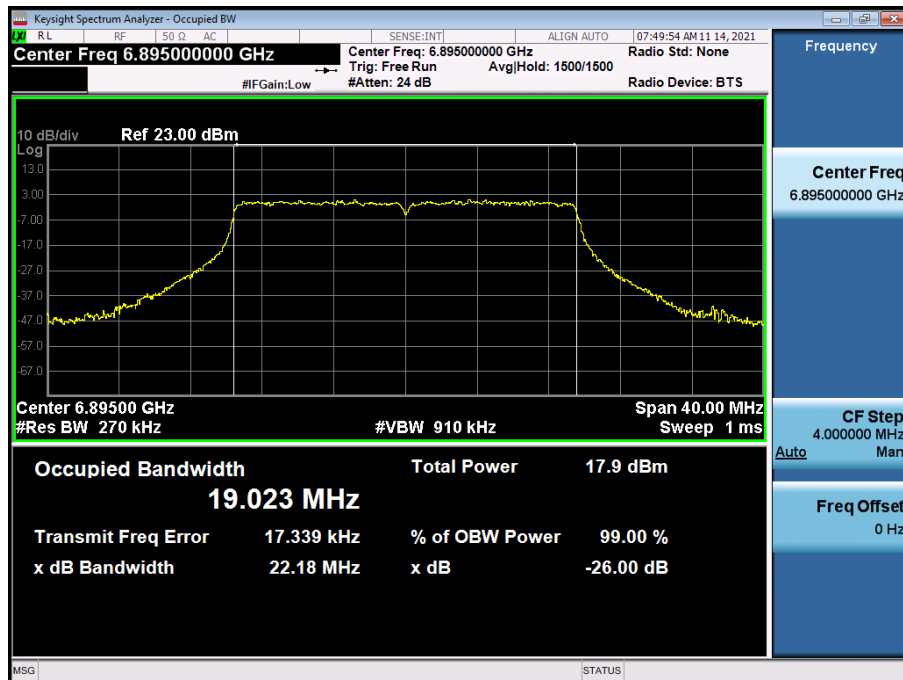
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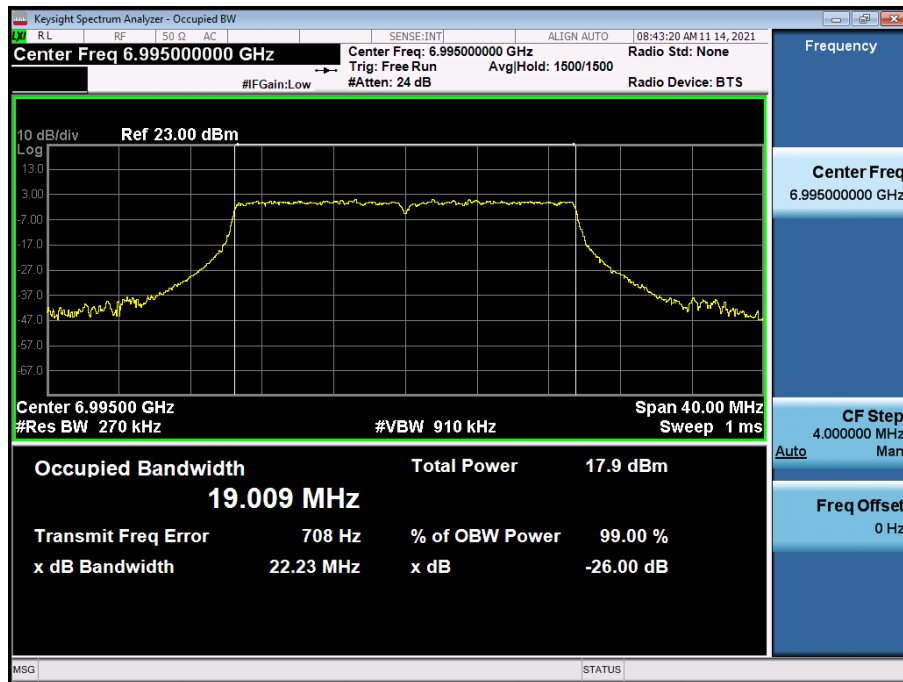
802.11ax HE20 Ch.185(6875 MHz) 242 Tones 61 RU



802.11ax HE20 Ch.189(6895 MHz) 242 Tones 61 RU



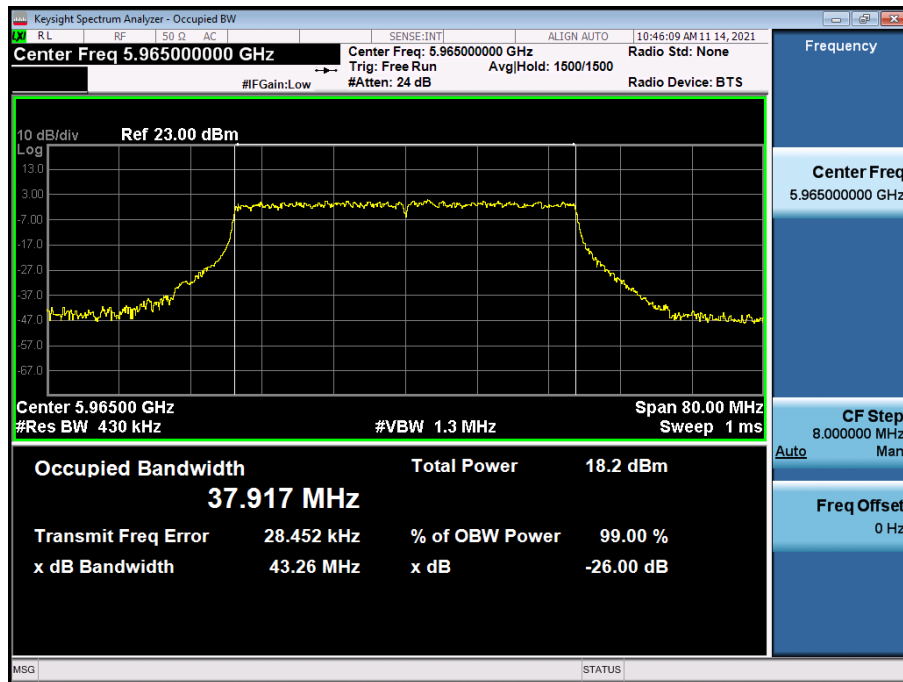
802.11ax HE20 Ch.209(6995 MHz) 242 Tones 61 RU



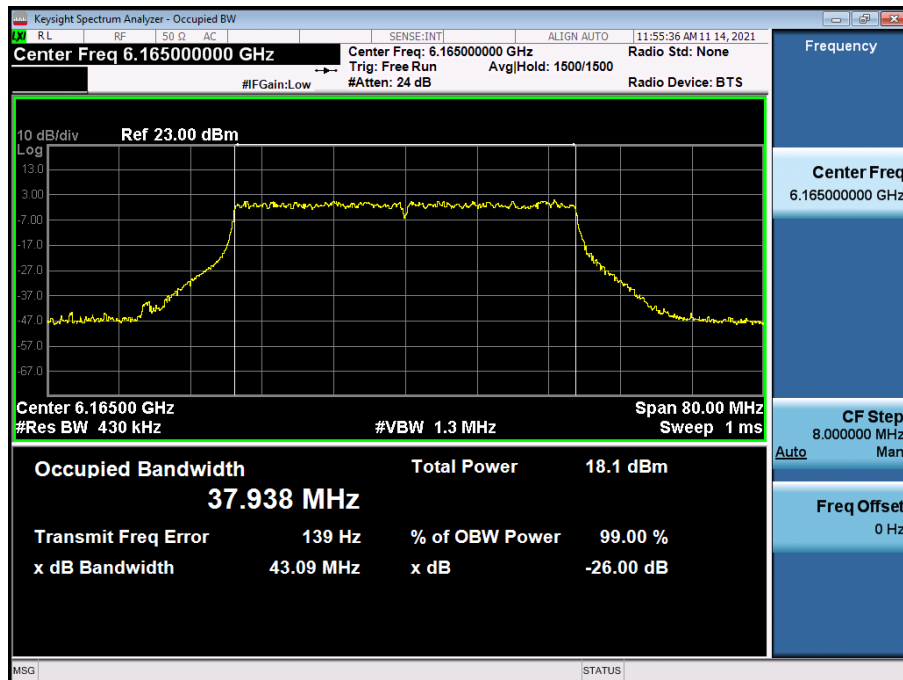
802.11ax HE20 Ch.233(7115 MHz) 242 Tones 61 RU



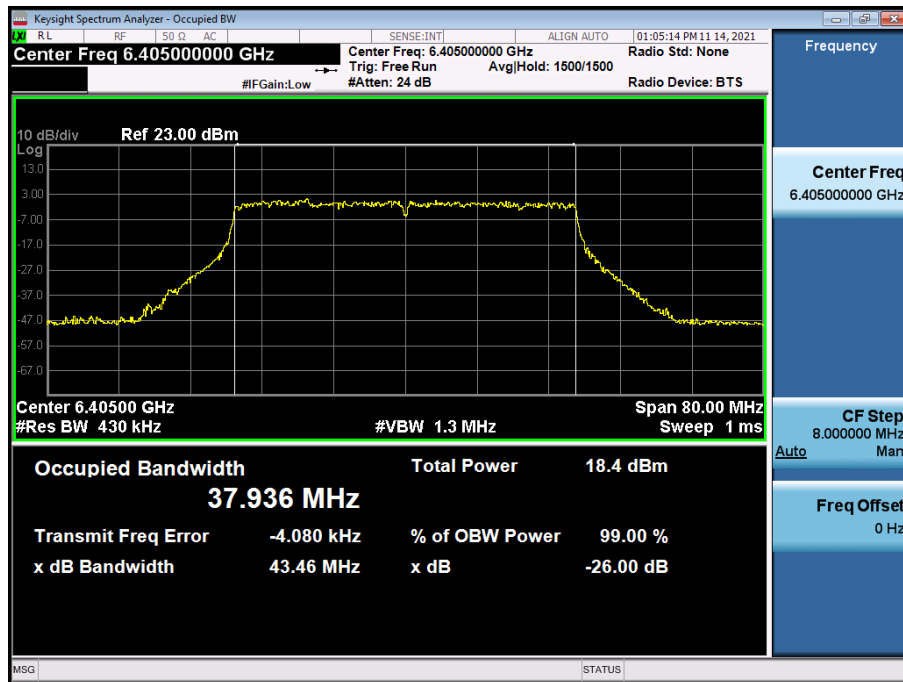
802.11ax HE40 Ch.3(5965 MHz) 484 Tones 65 RU



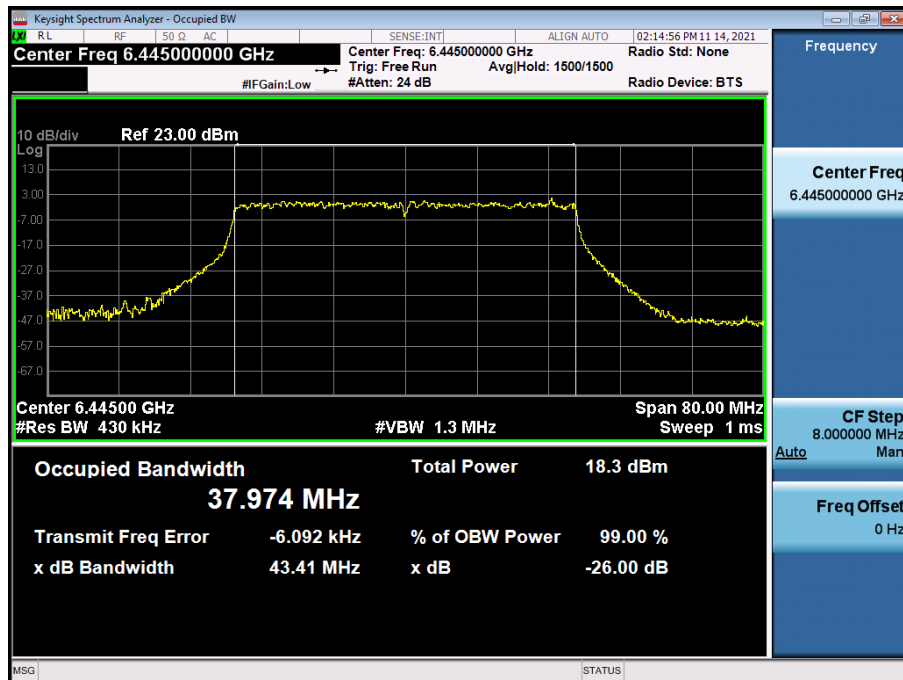
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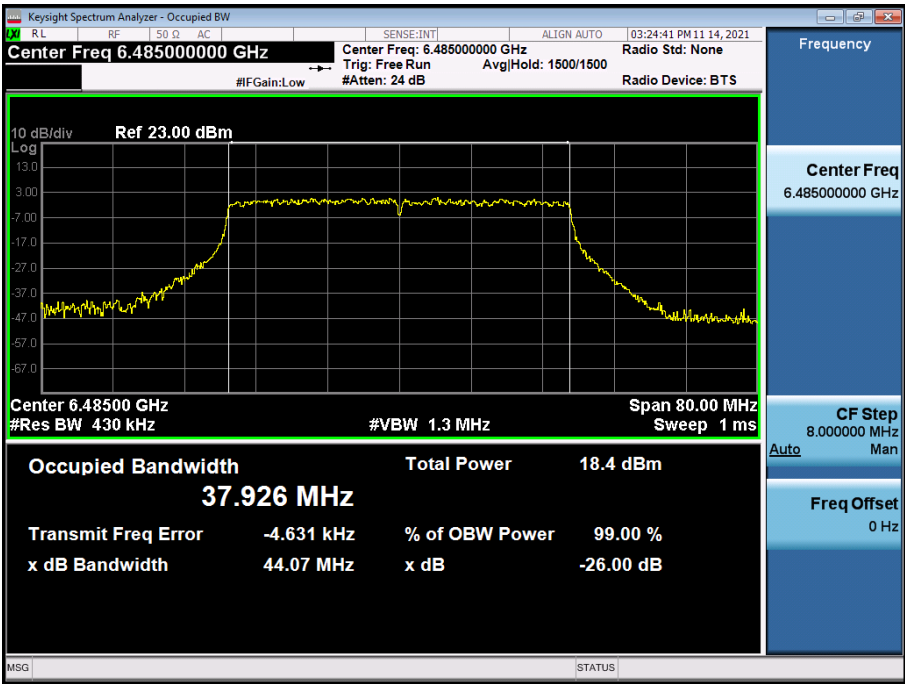
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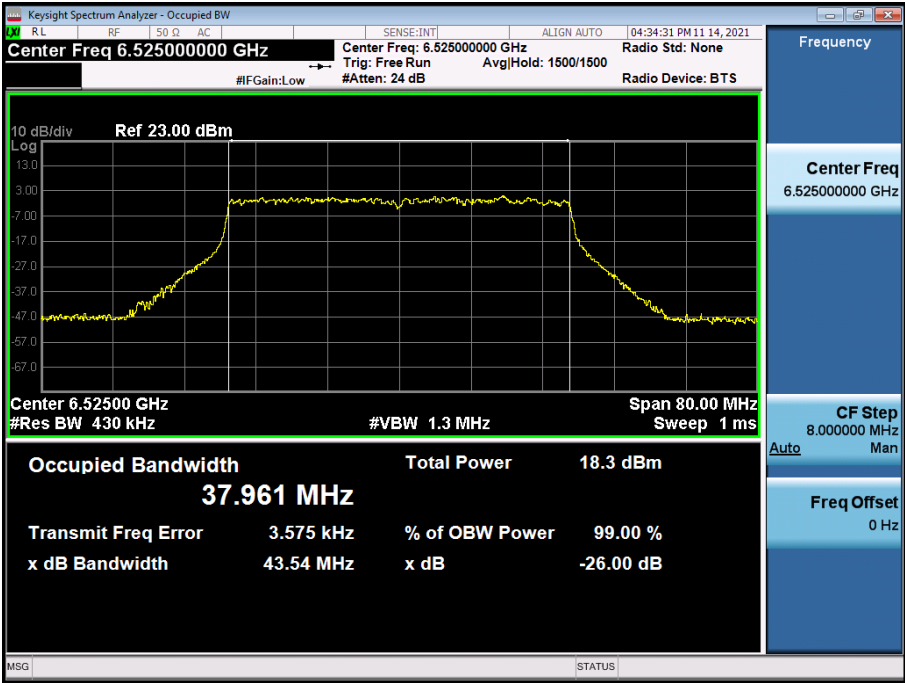
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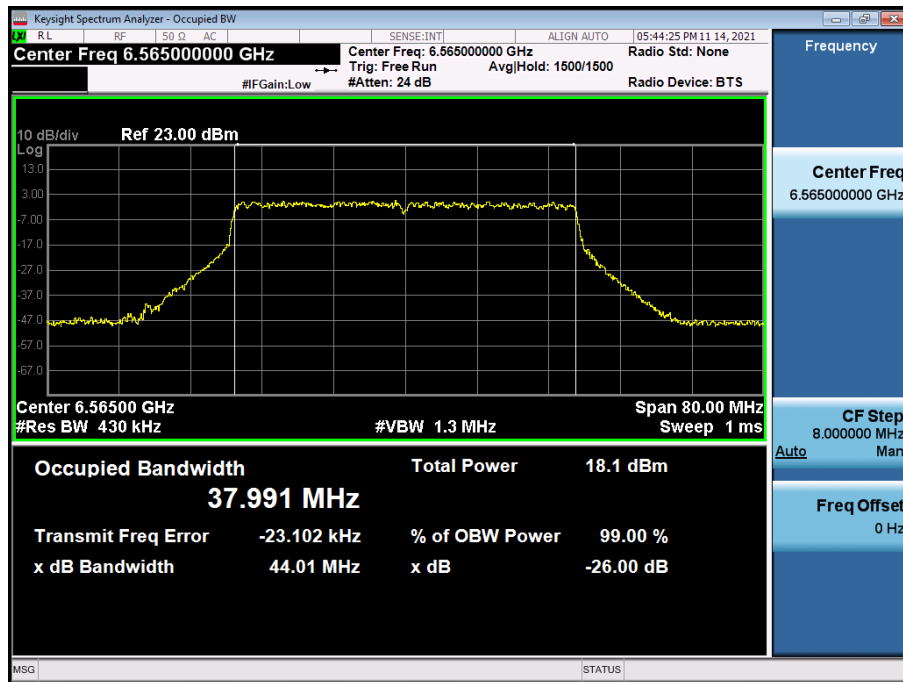
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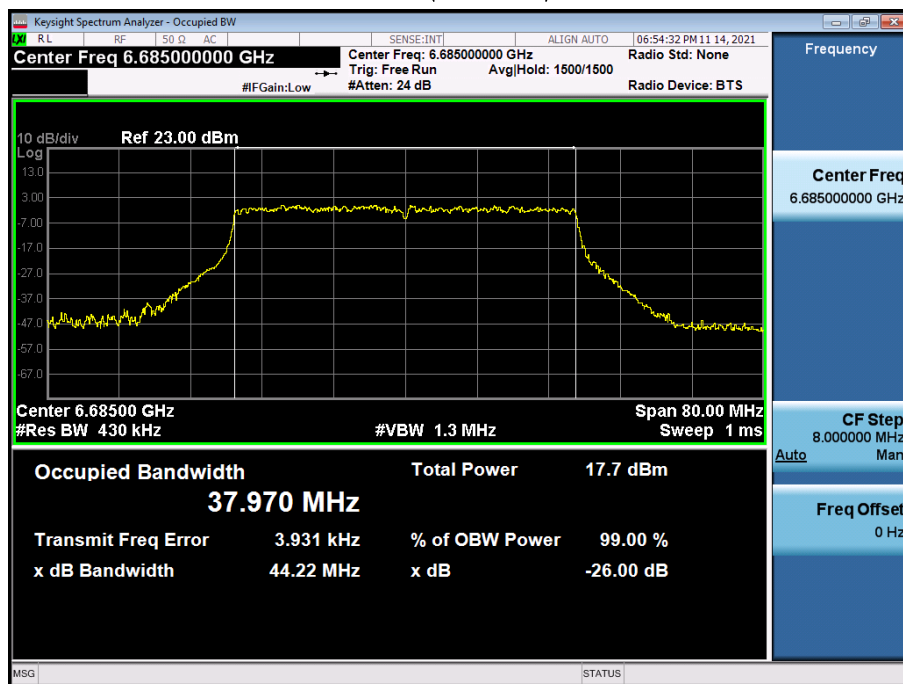
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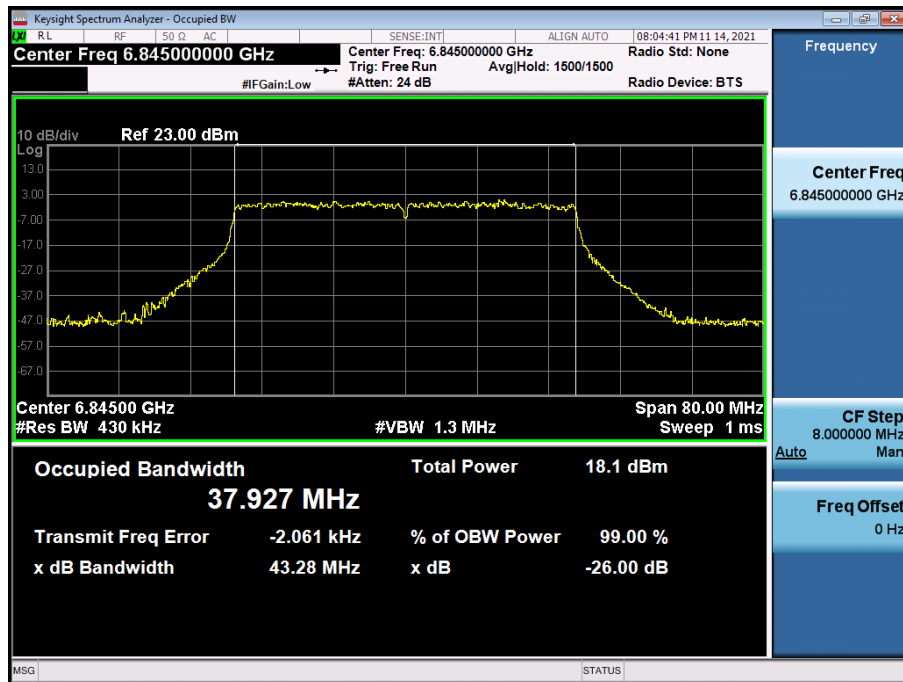
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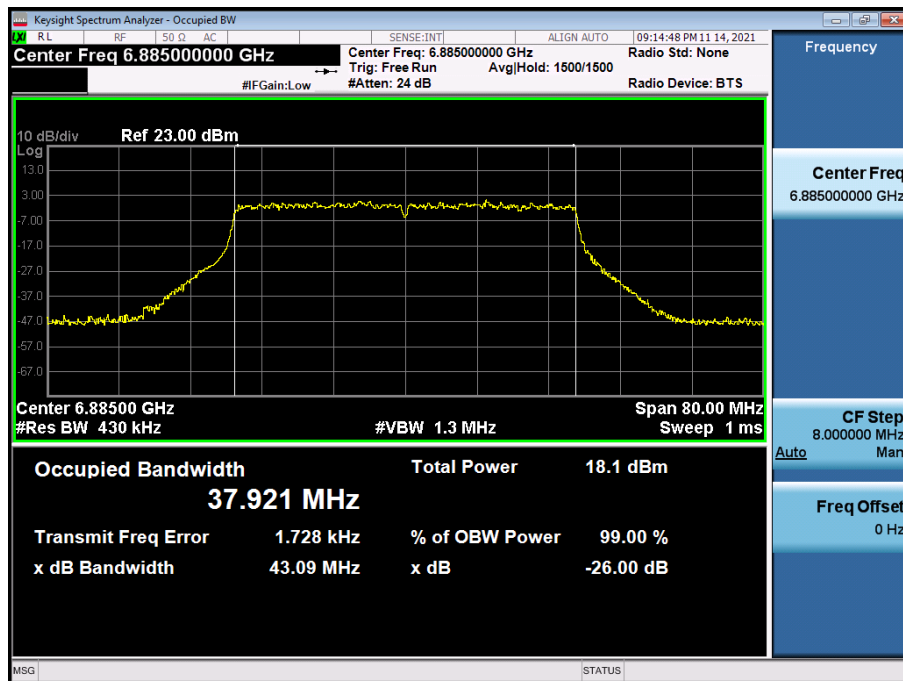
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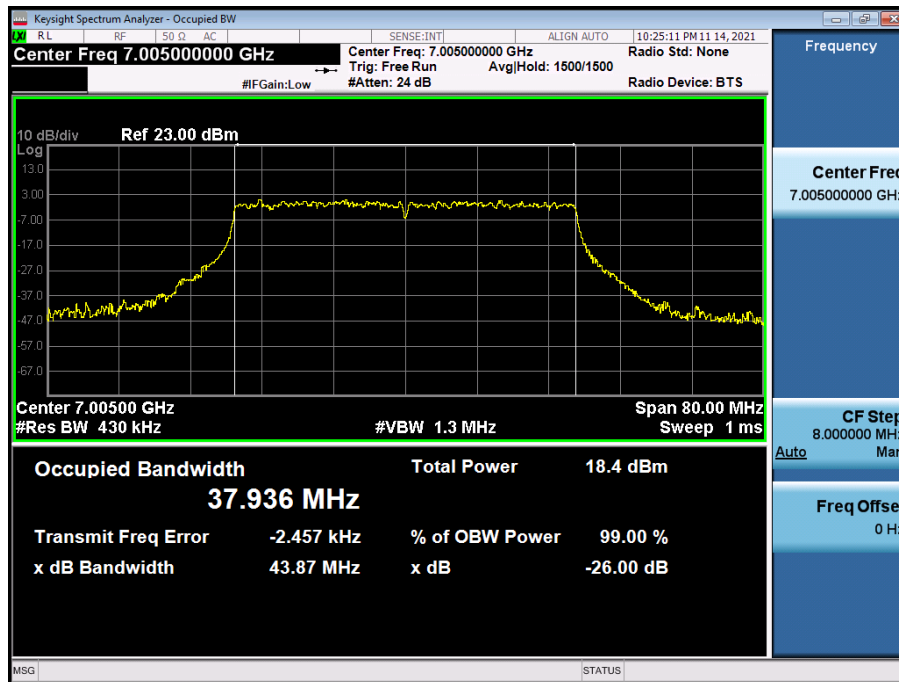
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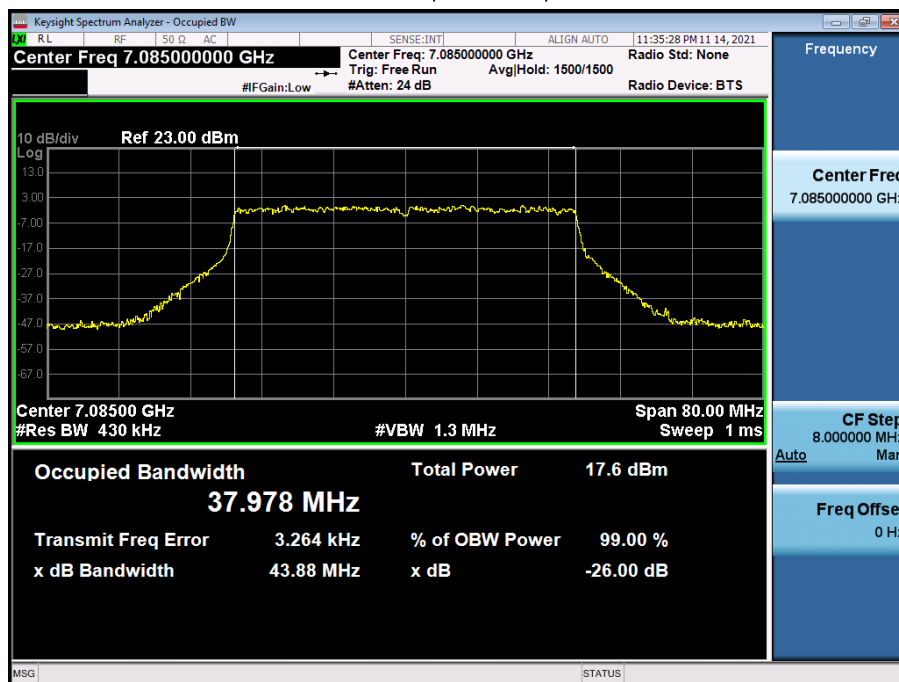
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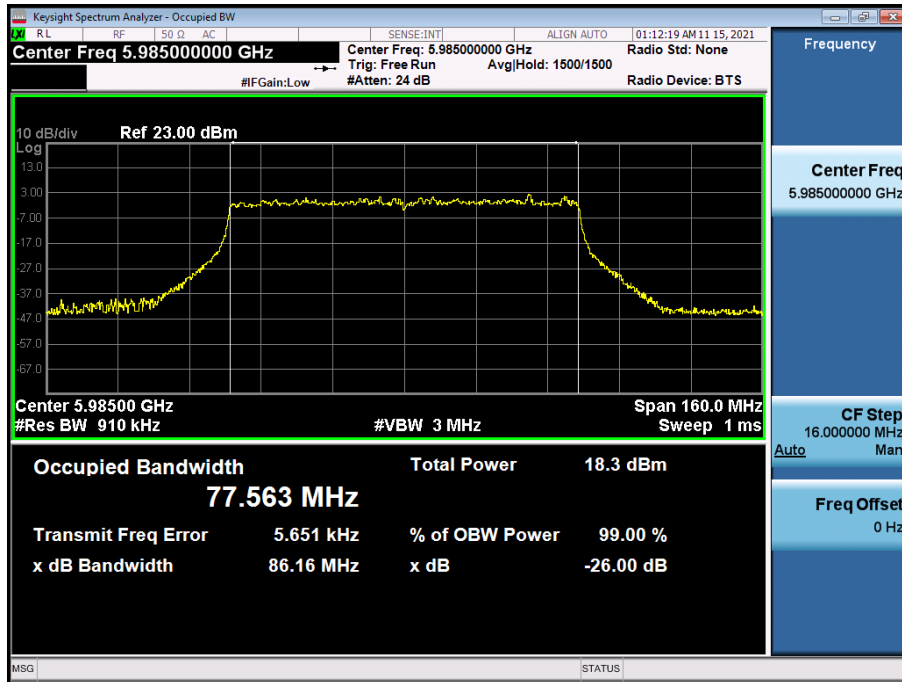
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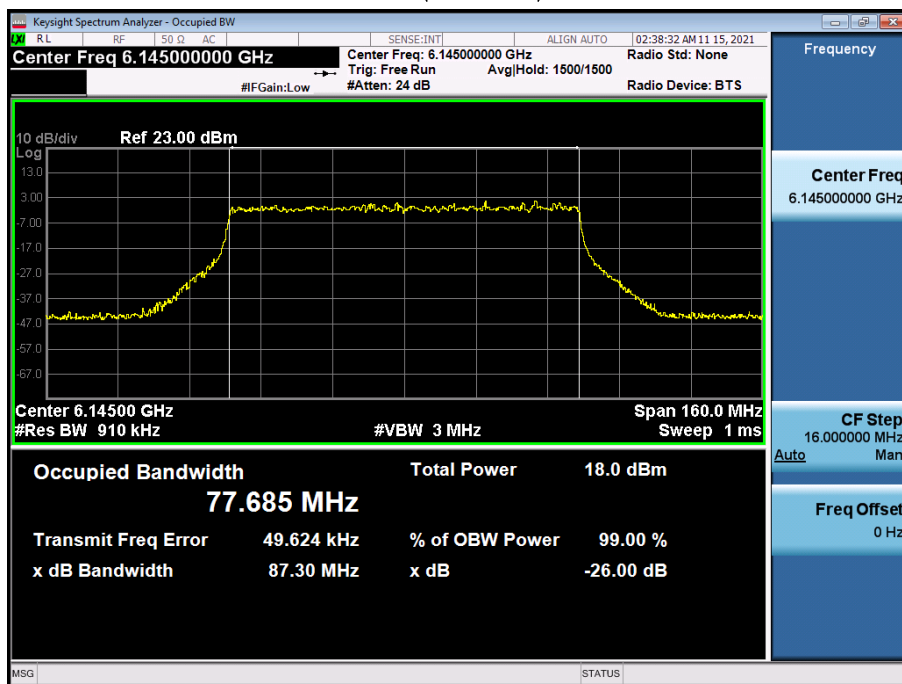
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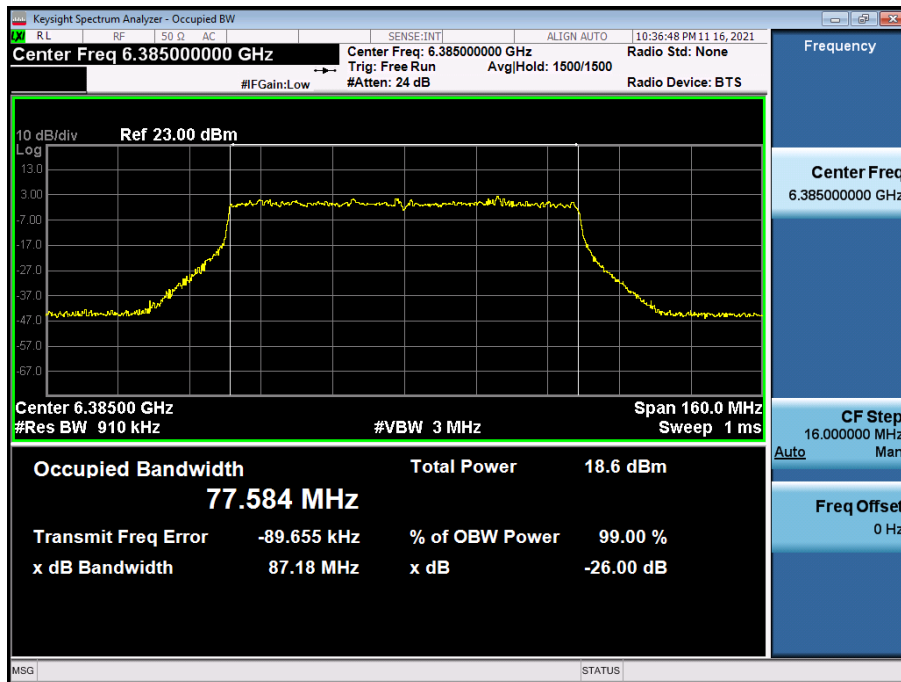
802.11ax HE 80 Ch.7(5985 MHz) 996 Tones 67 RU



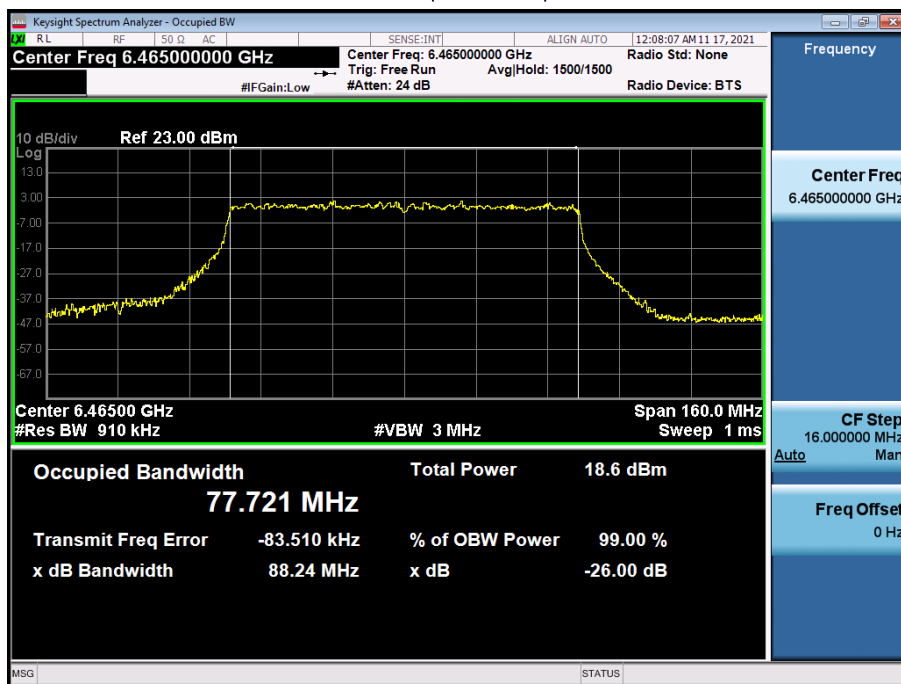
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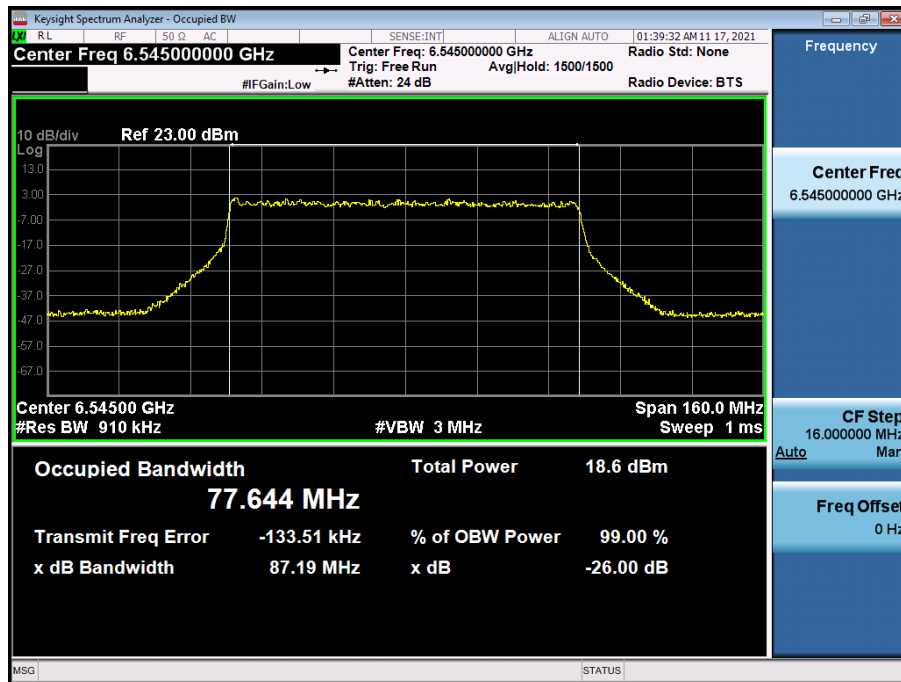
802.11ax HE80 Ch.87(6385 MHz) 996 Tones 67 RU



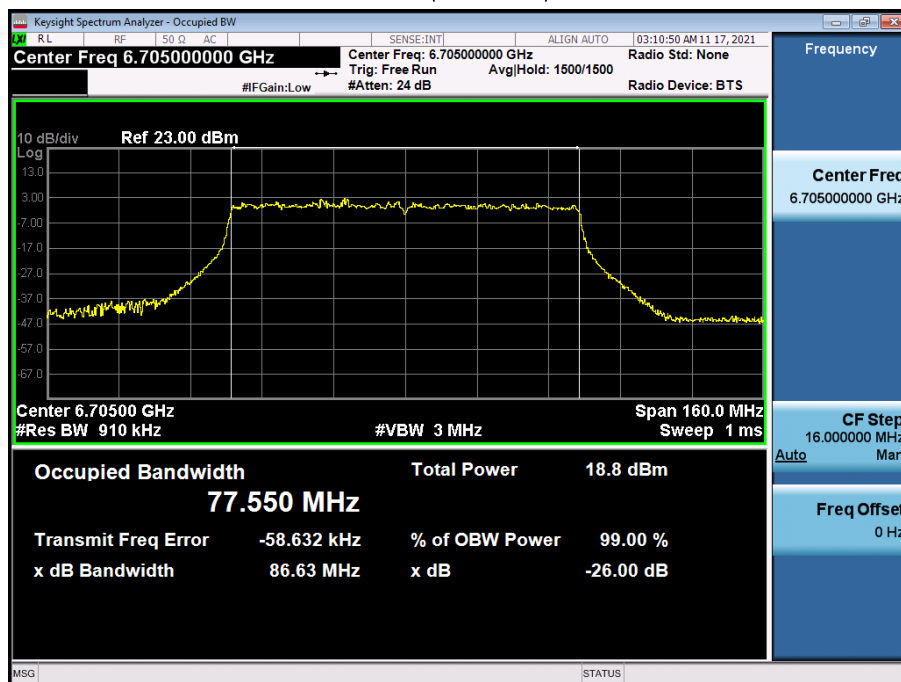
802.11ax HE80 Ch.103(6465 MHz) 996 Tones 67 RU



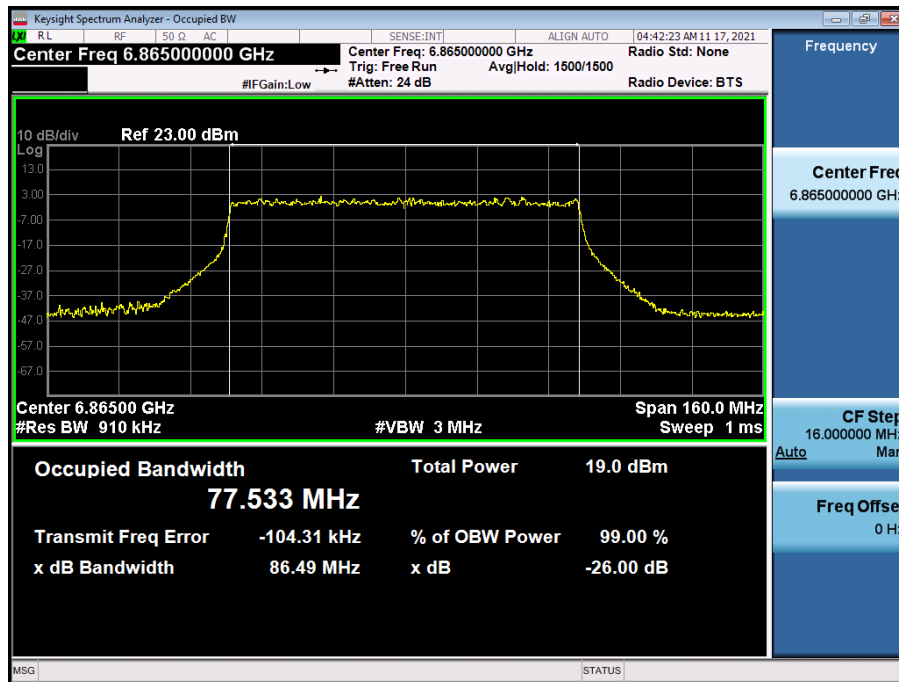
802.11ax HE80 Ch.119(6545 MHz) 996 Tones 67 RU



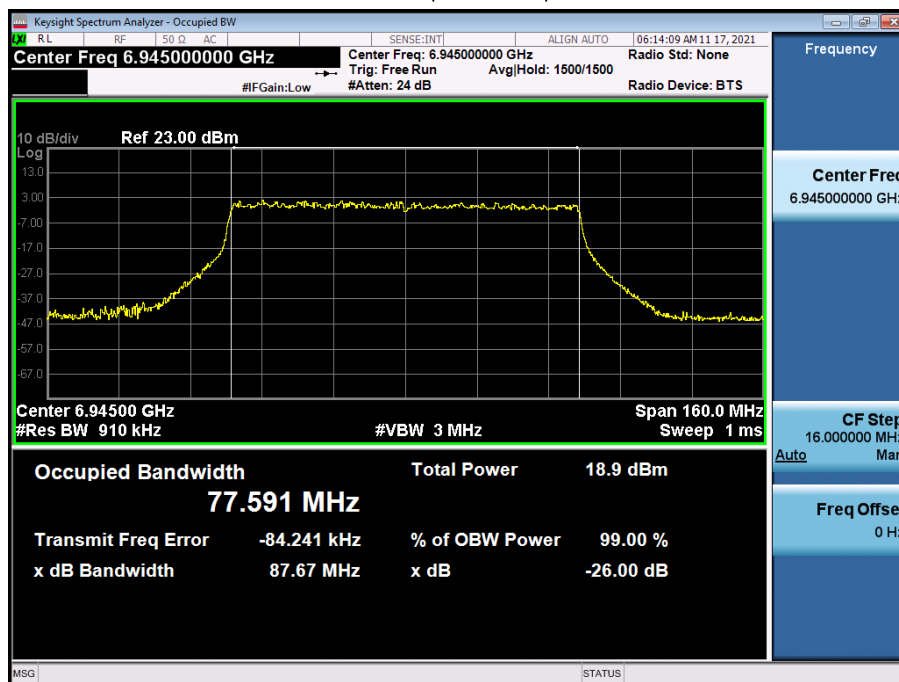
802.11ax HE80 Ch.151(6705 MHz) 996 Tones 67 RU



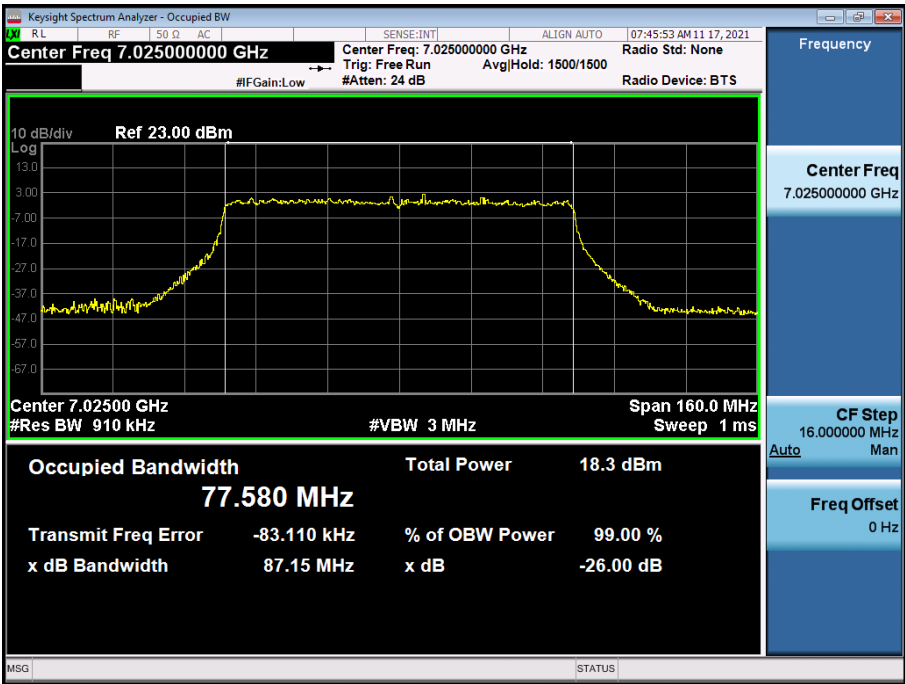
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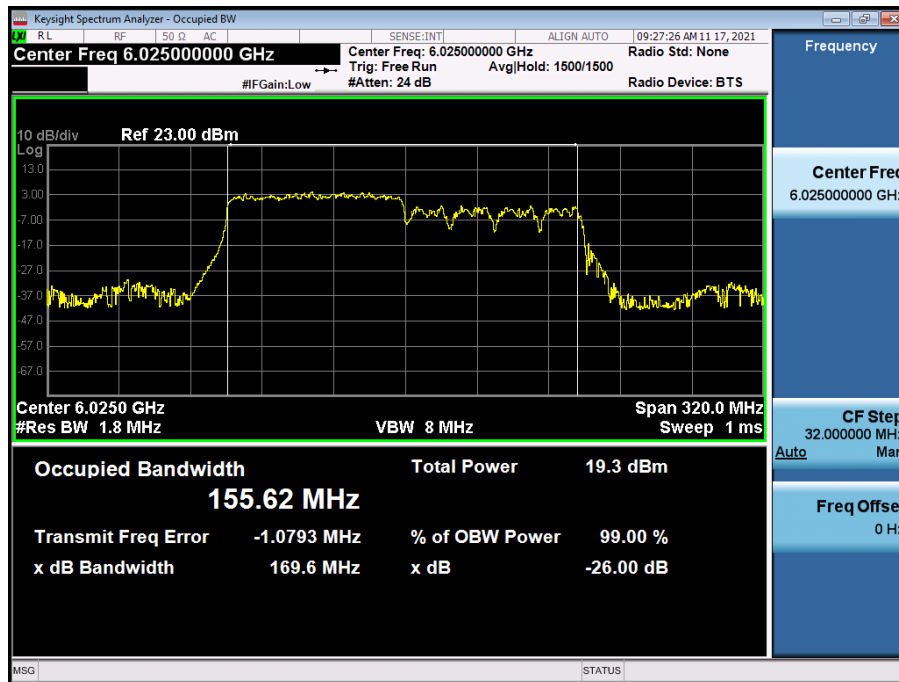
802.11ax HE80 Ch.199(6945 MHz) 996 Tones 67 RU



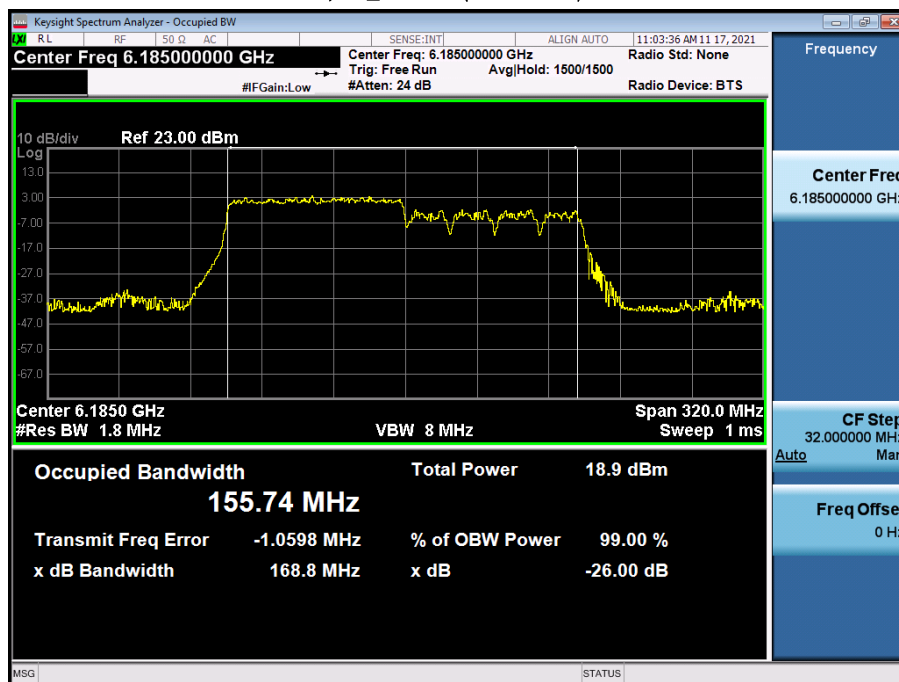
802.11ax HE80 Ch.215(7025 MHz) 996 Tones 67 RU



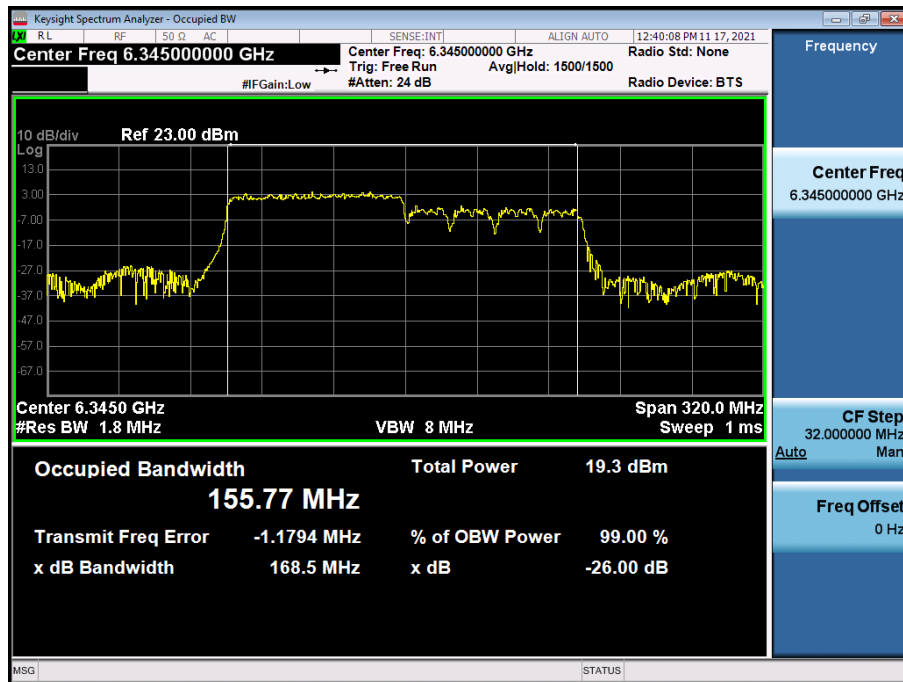
802.11ax HE160, 80_L Ch.15(6025 MHz) 996 Tones 67 RU



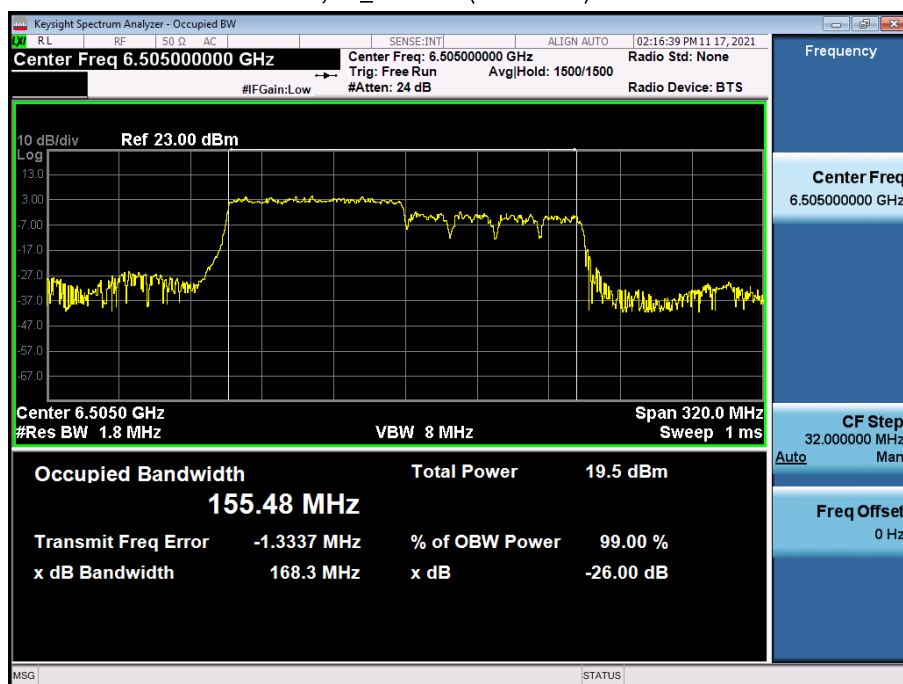
802.11ax HE160, 80_L Ch.47(6185 MHz) 996 Tones 67 RU



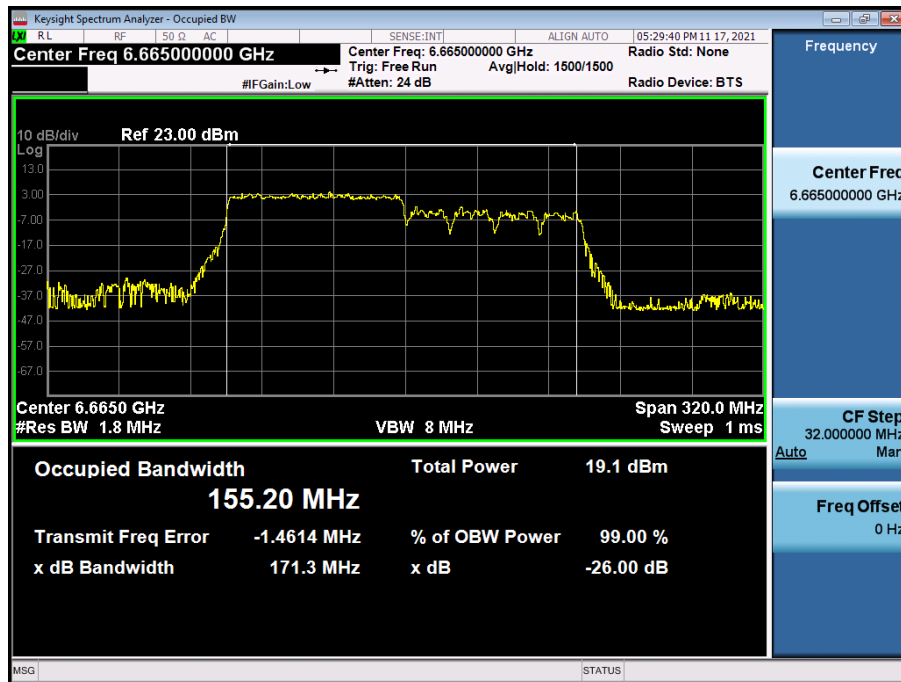
Bandwidth 160M, 80_L Ch.79(6345 MHz) 996 Tones 67 RU



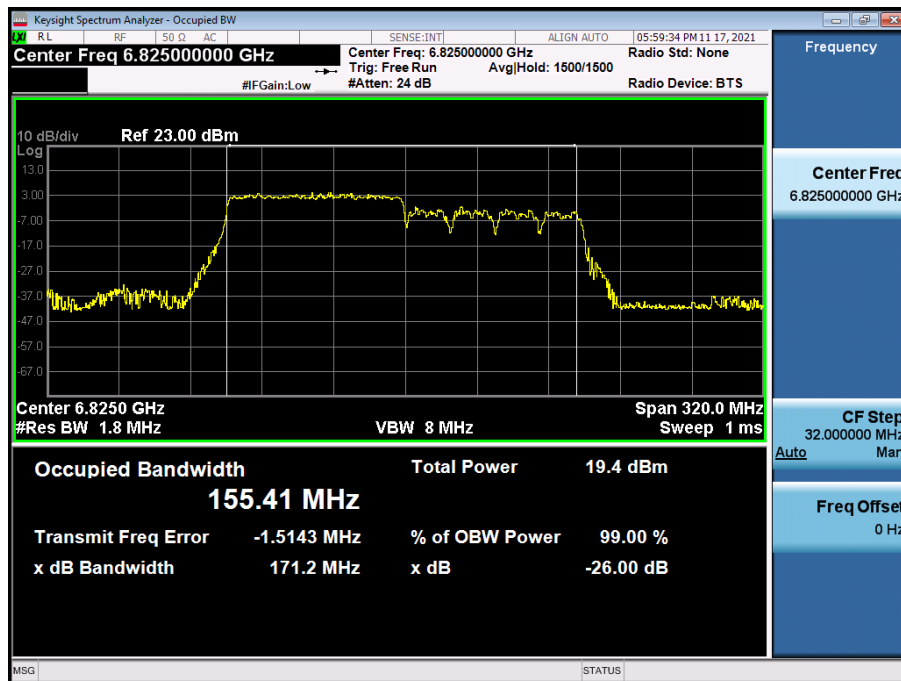
802.11ax HE160, 80_L Ch.111(6505 MHz) 996 Tones 67 RU



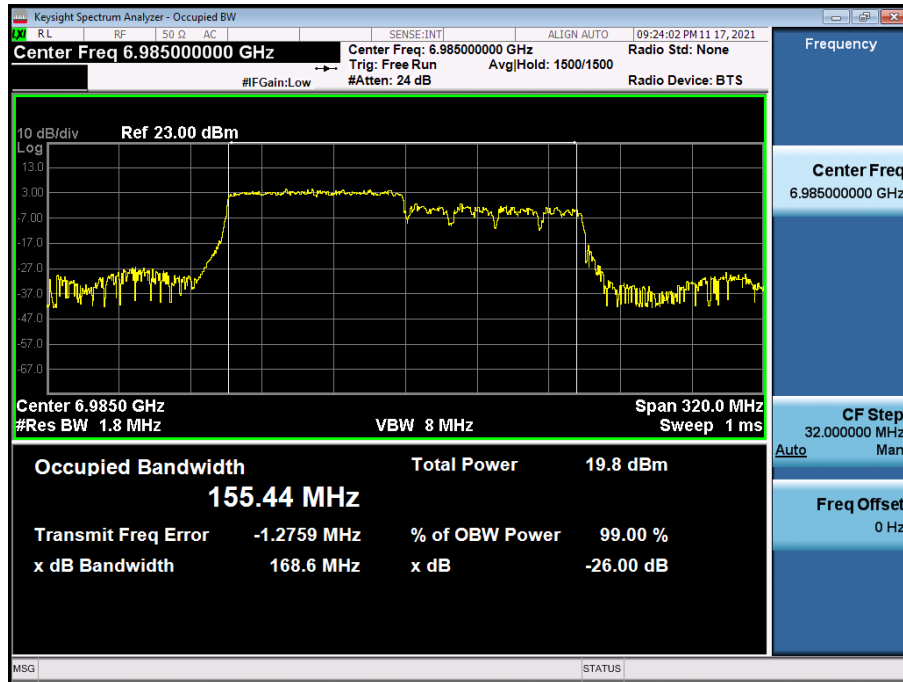
802.11ax HE160, 80_L Ch.143(6665 MHz) 996 Tones 67 RU



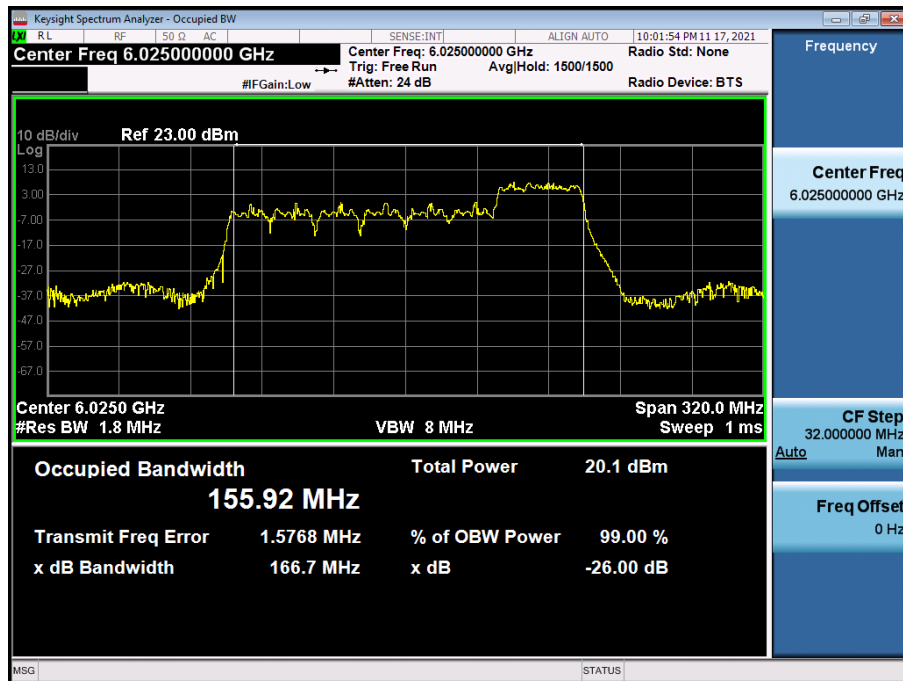
802.11ax HE160, 80_L Ch.175(6825 MHz) 996 Tones 67 RU



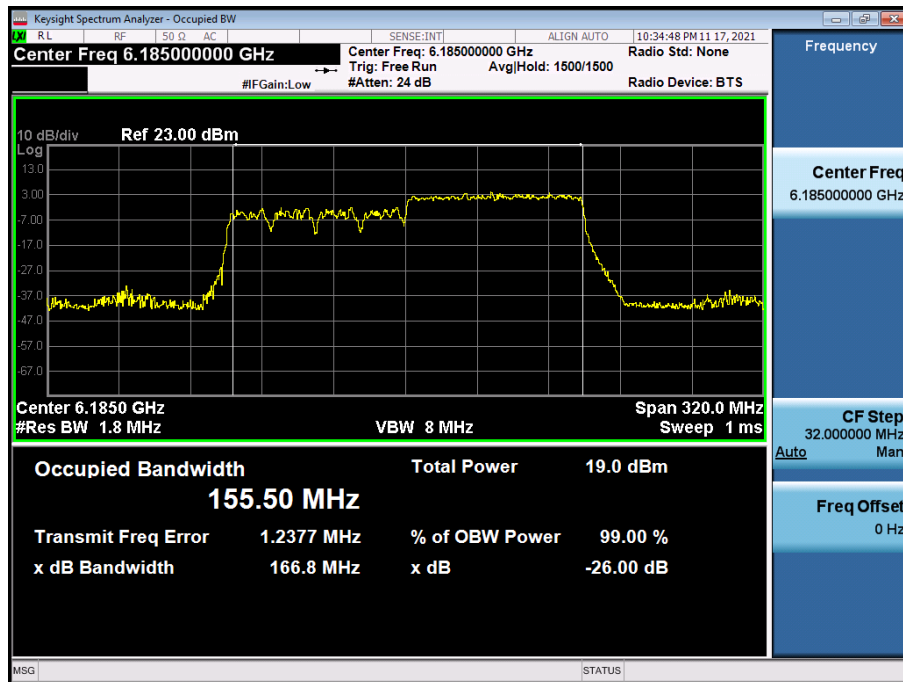
802.11ax HE160, 80_L Ch.207(6985 MHz) 996 Tones 67 RU



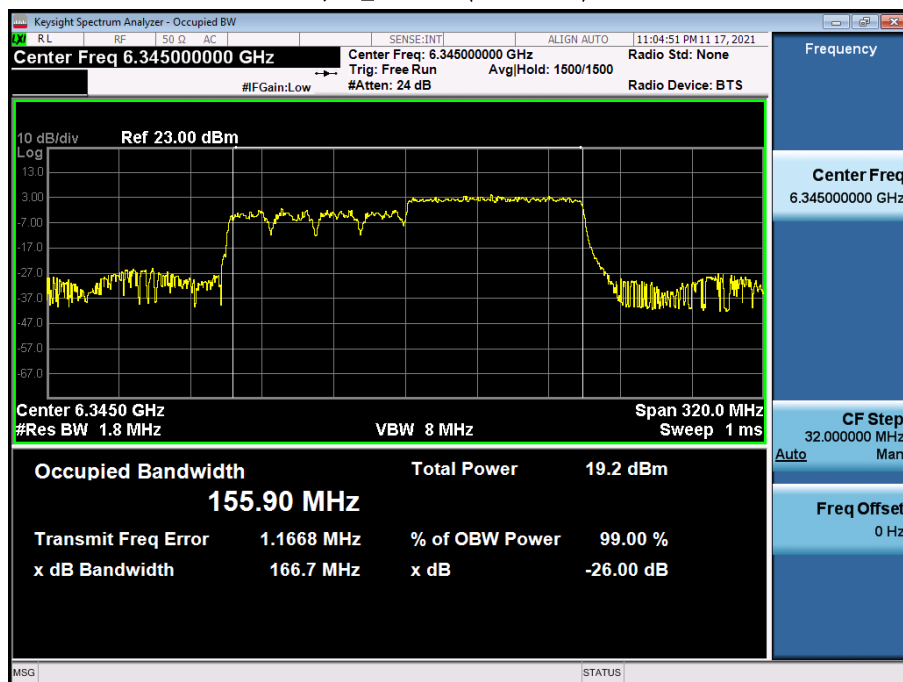
802.11ax HE160, 80_U Ch. 15(6025 MHz) 484 Tones 66 RU



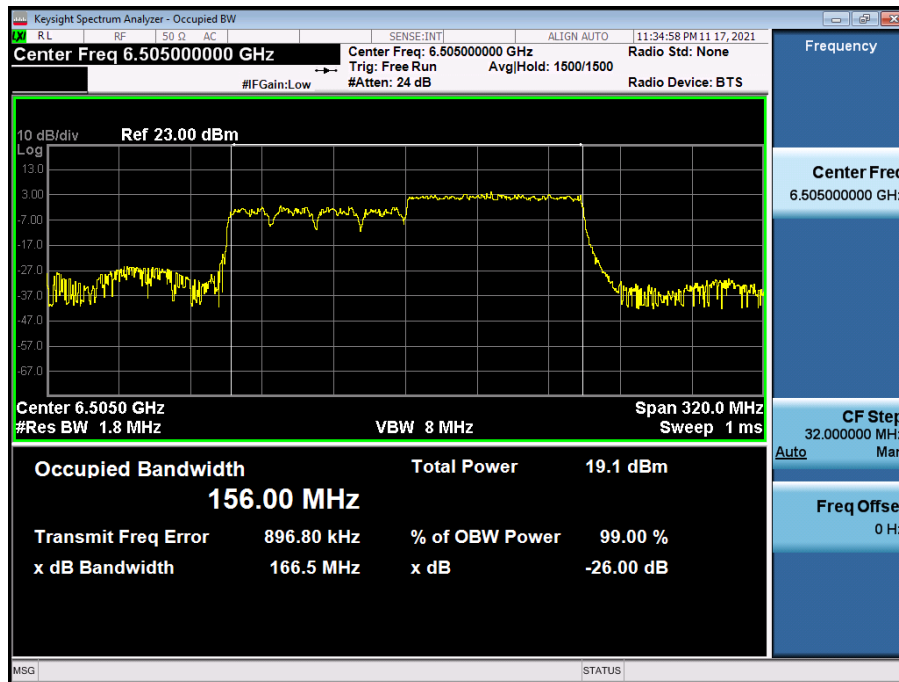
802.11ax HE160, 80_U Ch. 47(6185 MHz) 996 Tones 67 RU



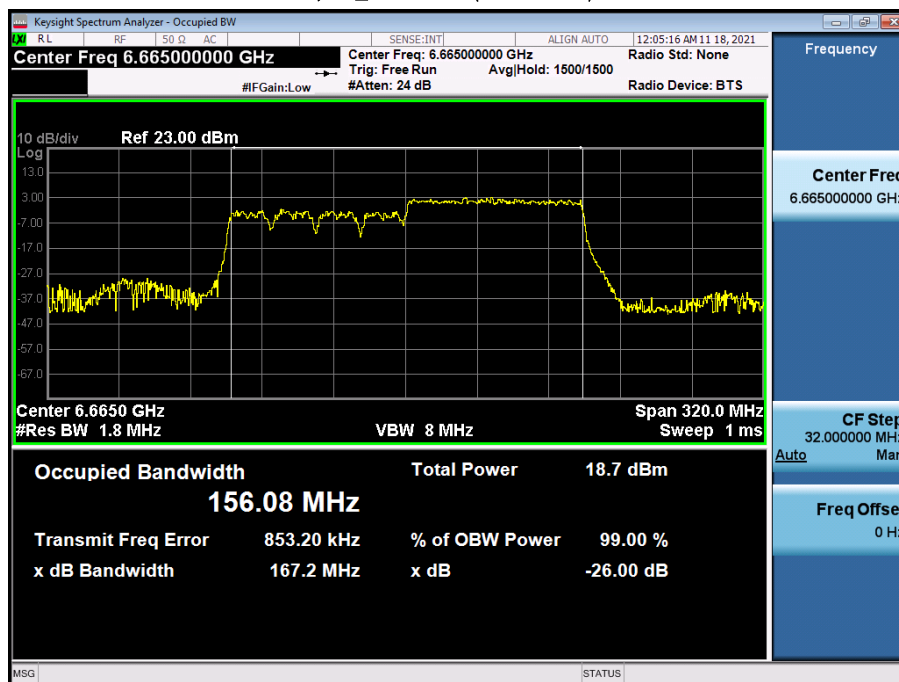
802.11ax HE160, 80_U Ch. 79(6345 MHz) 996 Tones 67 RU



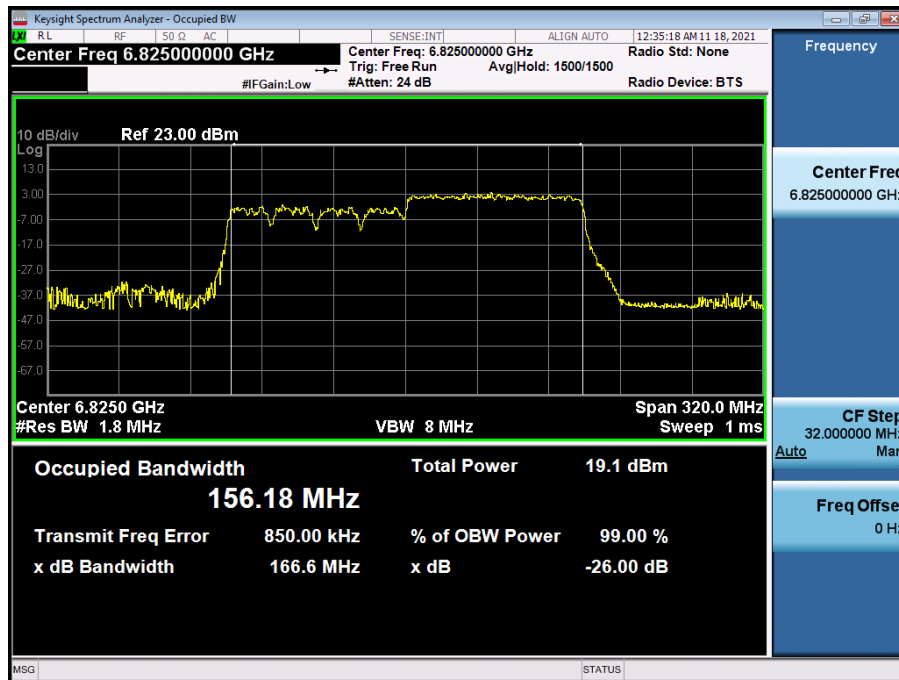
802.11ax HE160, 80_U Ch. 111(6505 MHz) 996 Tones 67 RU



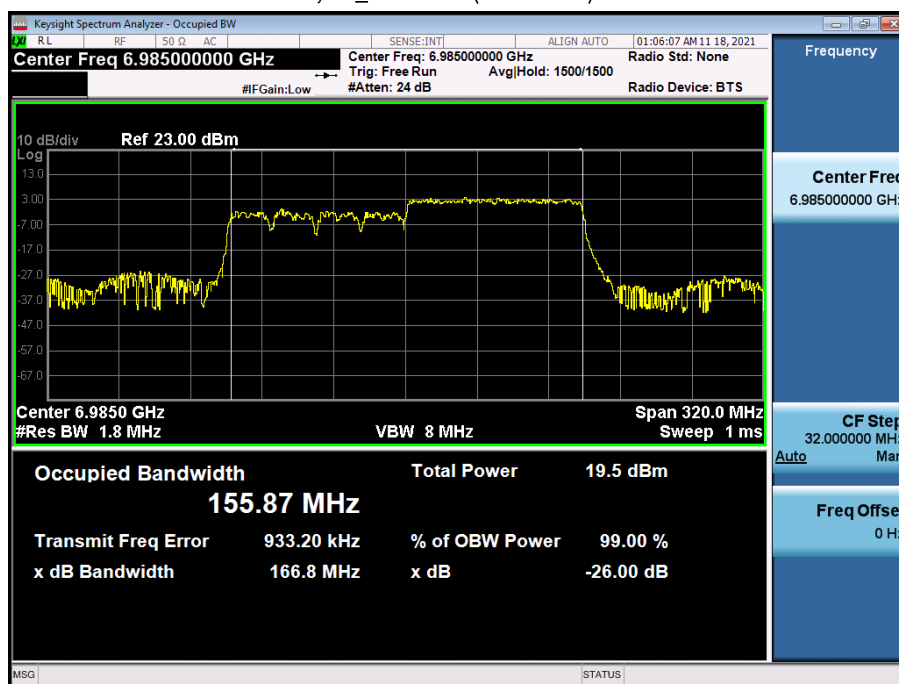
802.11ax HE160, 80_U Ch. 143(6665 MHz) 996 Tones 67 RU



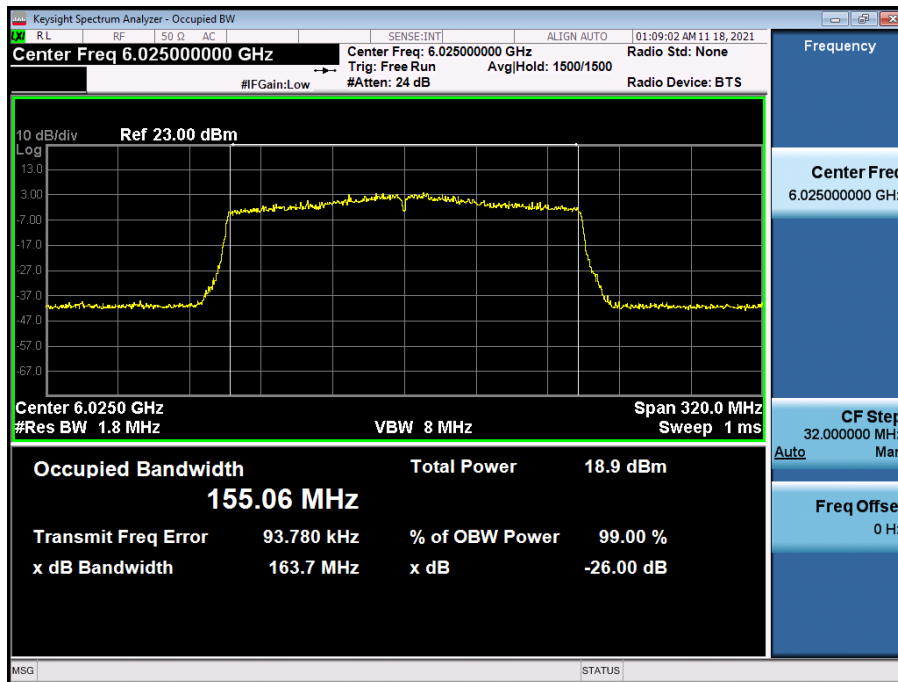
802.11ax HE160, 80_U Ch. 175(6825 MHz) 996 Tones 67 RU



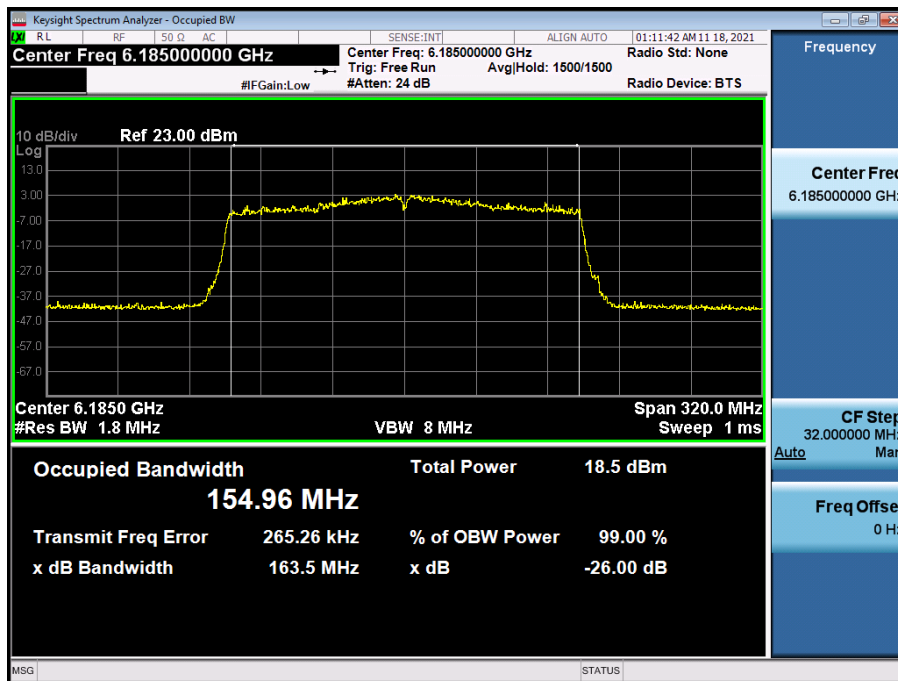
802.11ax HE160, 80_U Ch. 207(6985 MHz) 996 Tones 67 RU



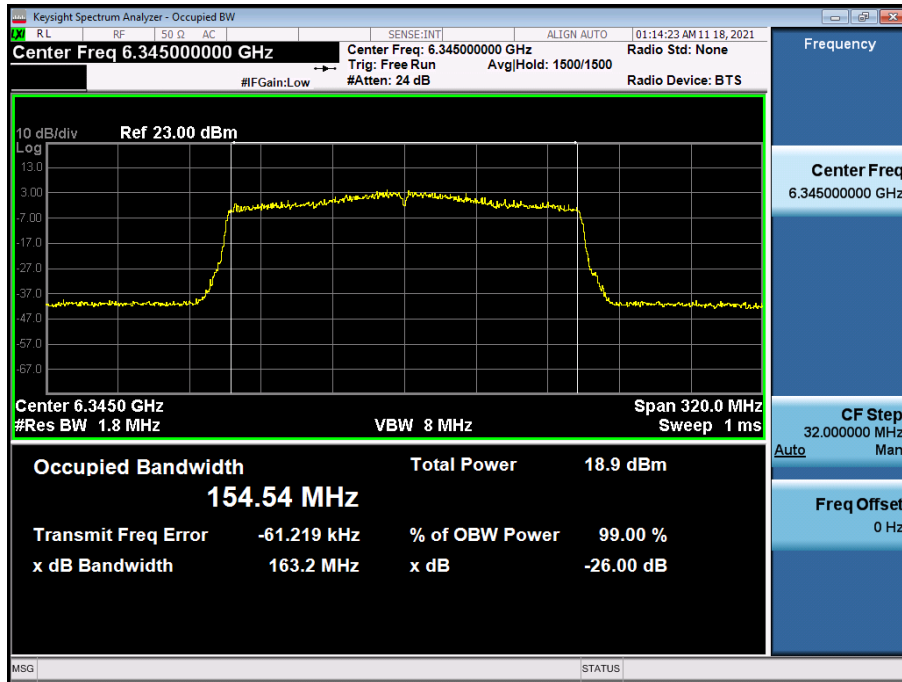
Bandwidth 160M, SU Ch. 15(6025 MHz) SU



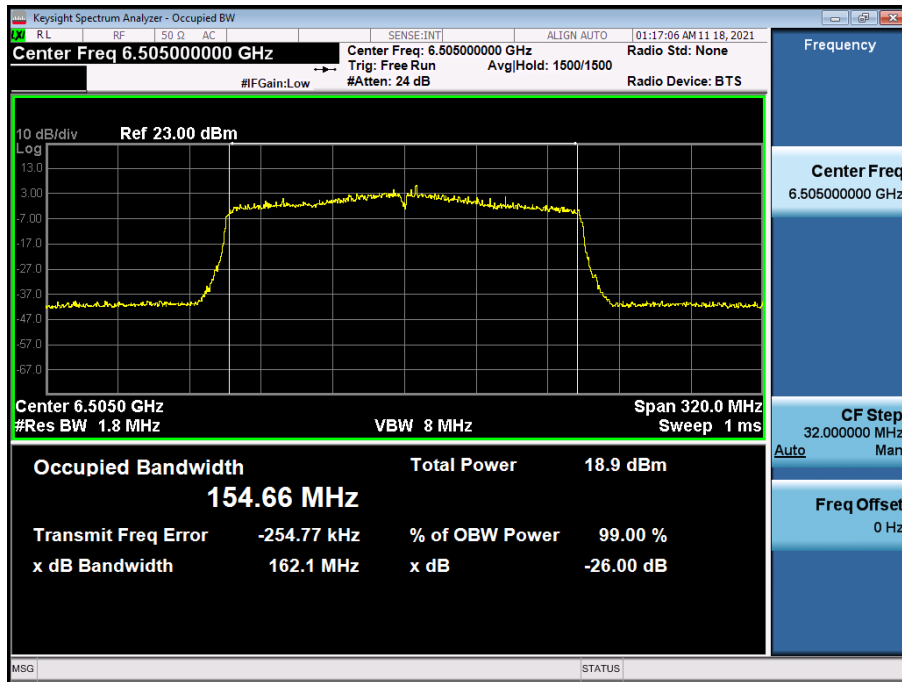
Bandwidth 160M, SU Ch. 47(6185 MHz) SU



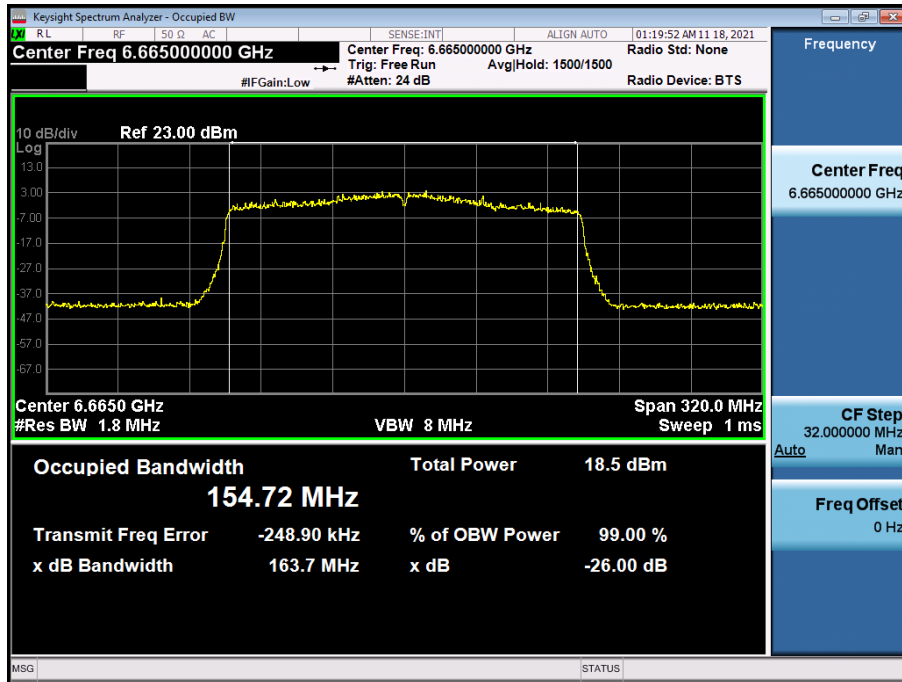
Bandwidth 160M, SU Ch. 79(6345 MHz) SU



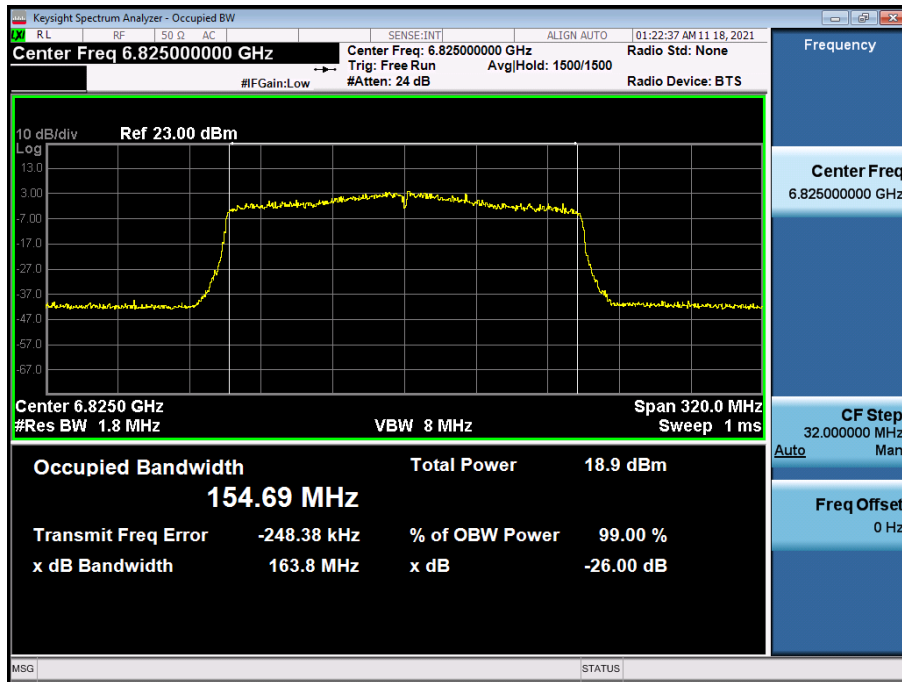
Bandwidth 160M, SU Ch. 111(6505 MHz) SU



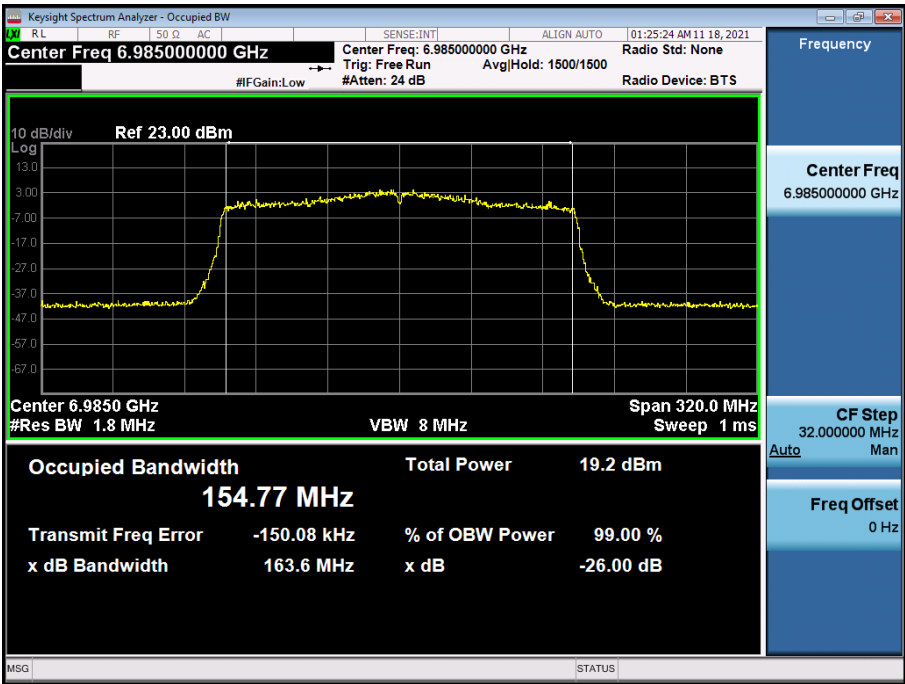
Bandwidth 160M, SU Ch. 143(6665 MHz) SU



Bandwidth 160M, SU Ch. 175(6825 MHz) SU



Bandwidth 160M, SU Ch. 207(6985 MHz) SU

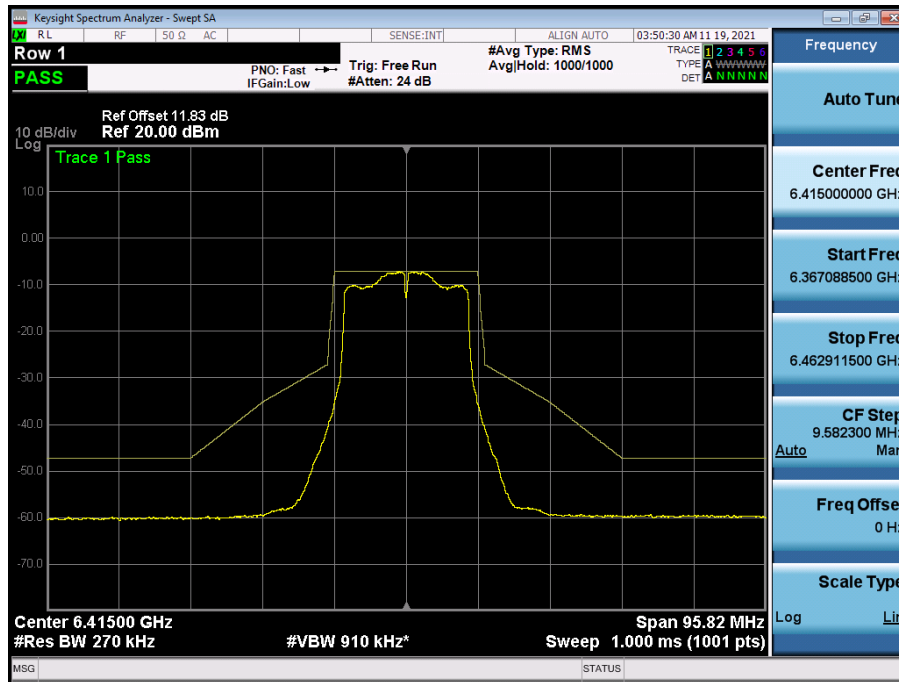


3. In-Band Emission (Emission Mask)

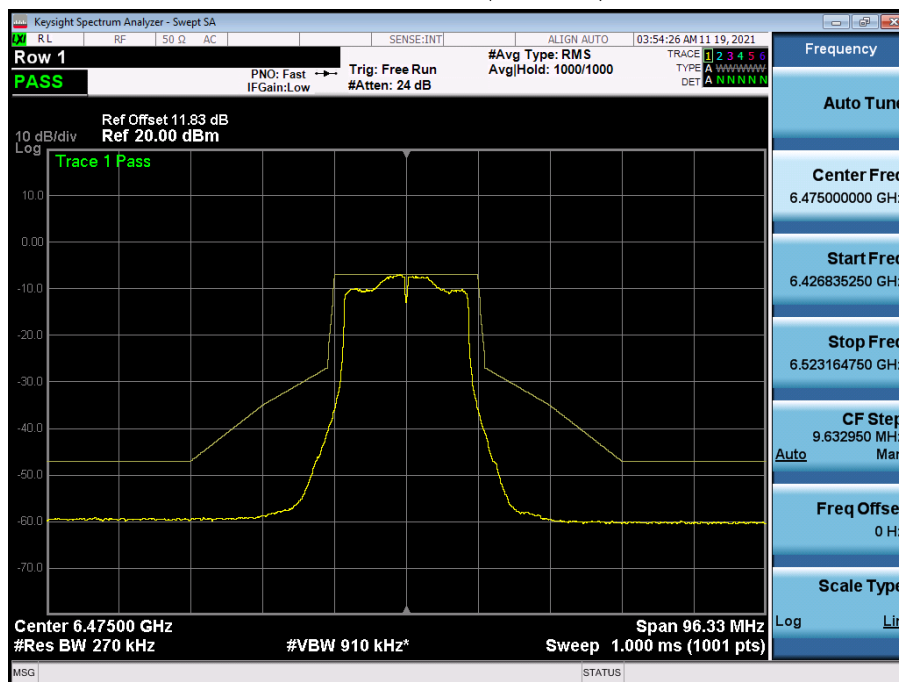
Note:

1. In order to simplify the report, attached plots were only Ant.2 (Worst Case: Ant.2).
2. In order to simplify the report, attached plots were only the most wide channel.

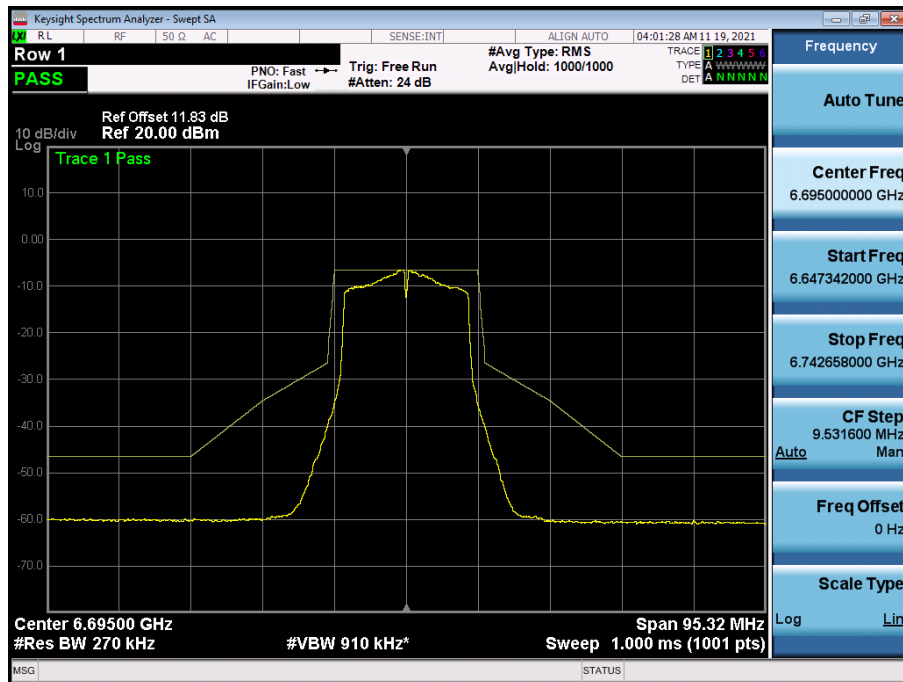
802.11a Ch.93(6415 MHz)



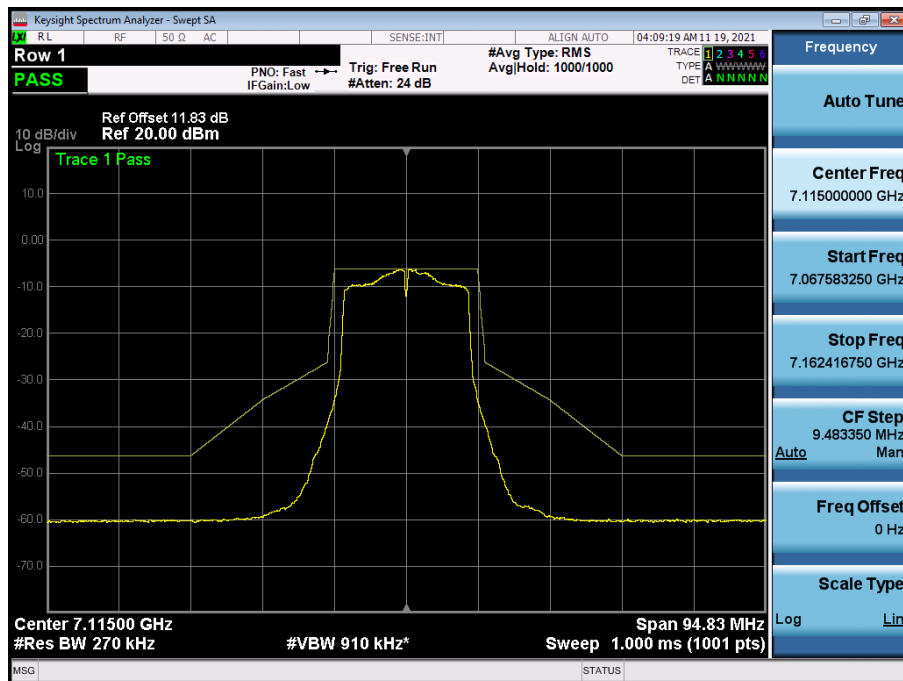
802.11a Ch.105(6475 MHz)



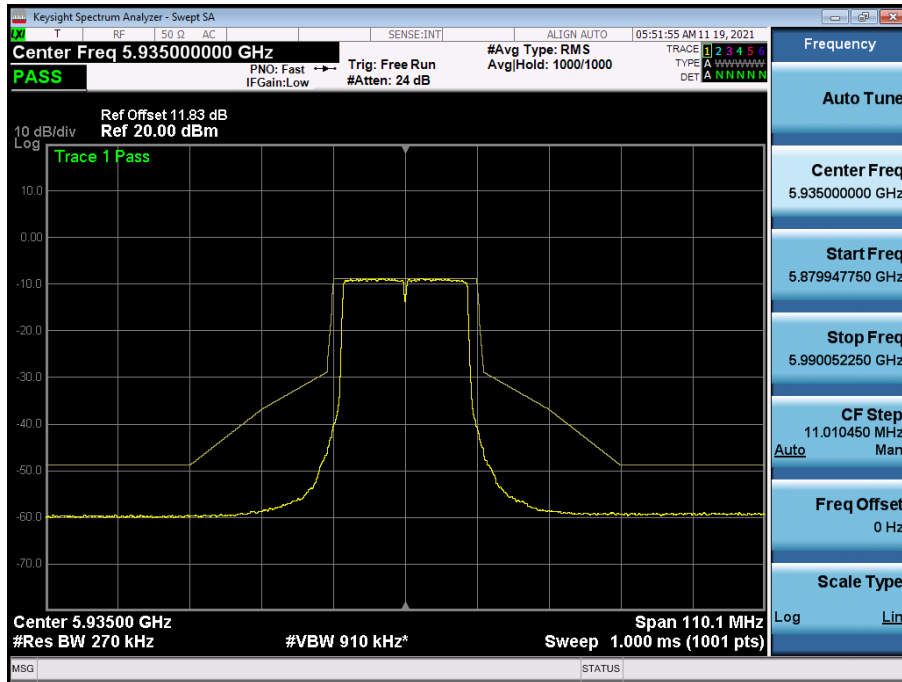
802.11a Ch.149(6695 MHz)



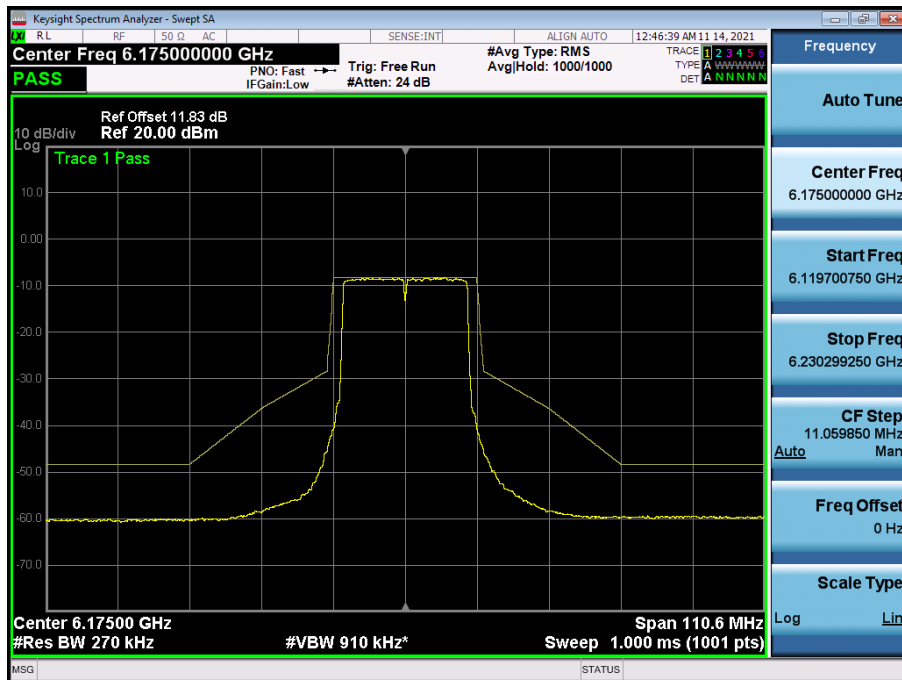
802.11a Ch.233(7115 MHz)



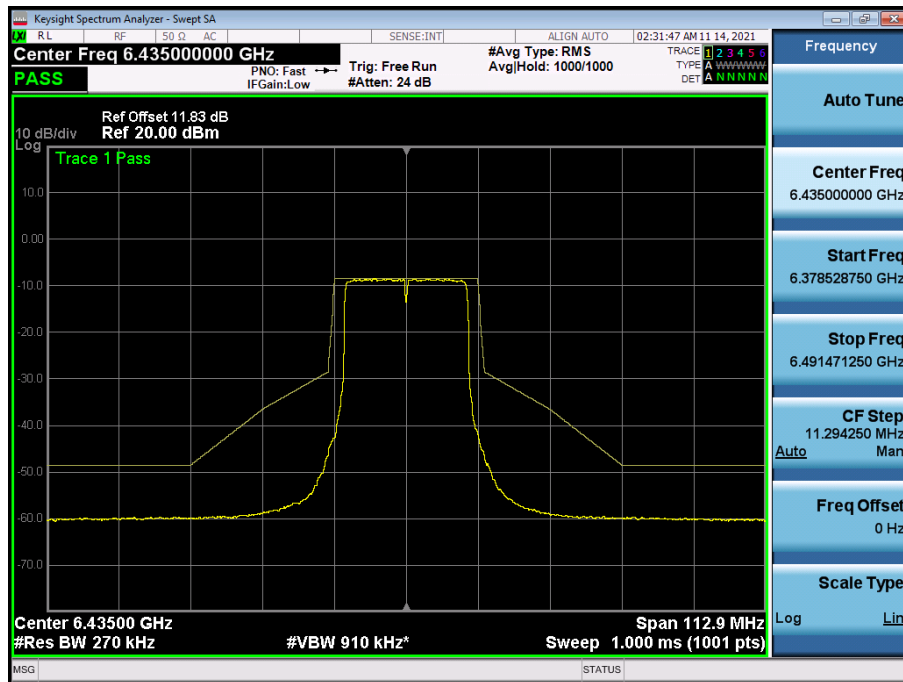
802.11ax HE20 Ch.2(5935 MHz) 242 Tones 61 RU



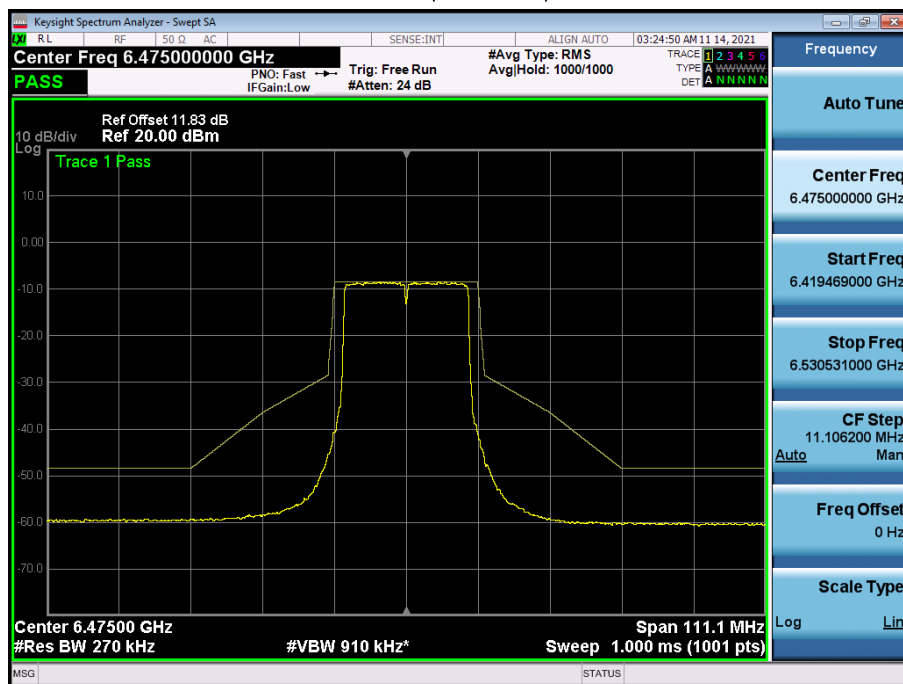
802.11ax HE20 Ch.45(6175 MHz) 242 Tones 61 RU



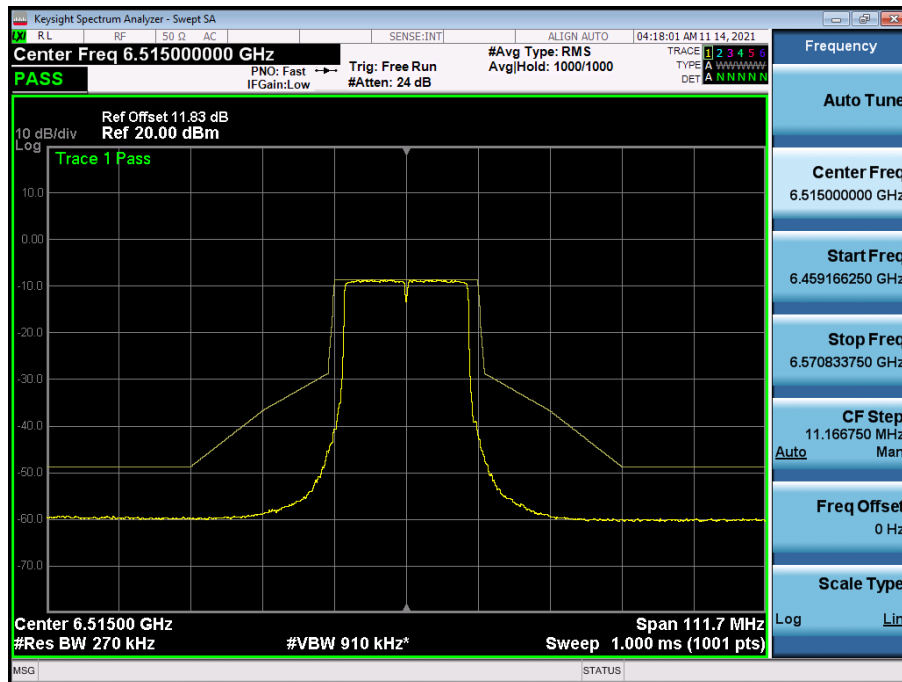
802.11ax HE20 Ch.97(6435 MHz) 242 Tones 61 RU



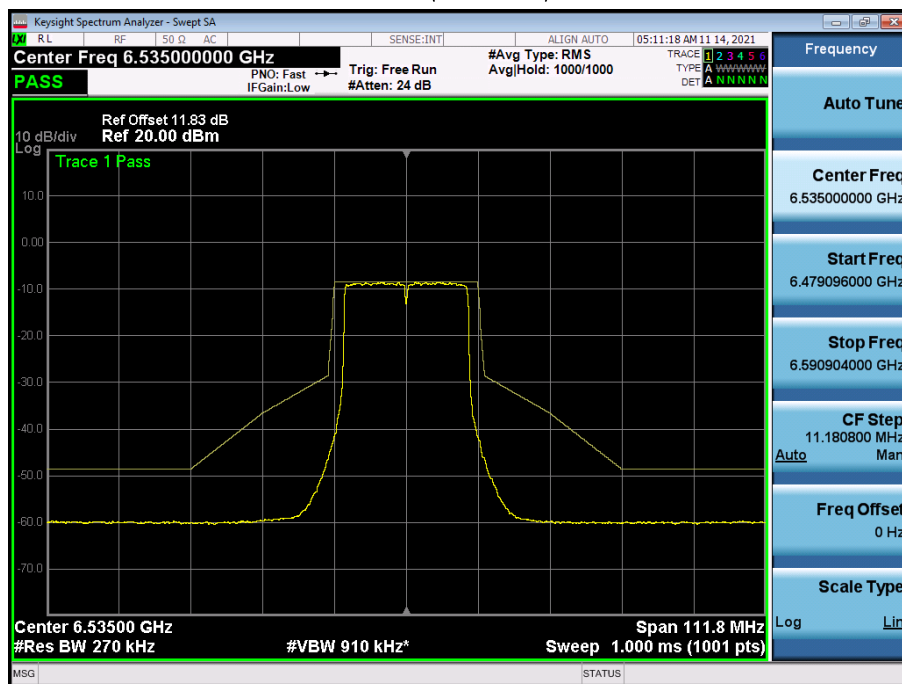
802.11ax HE20 Ch.105(6475 MHz) 242 Tones 61 RU



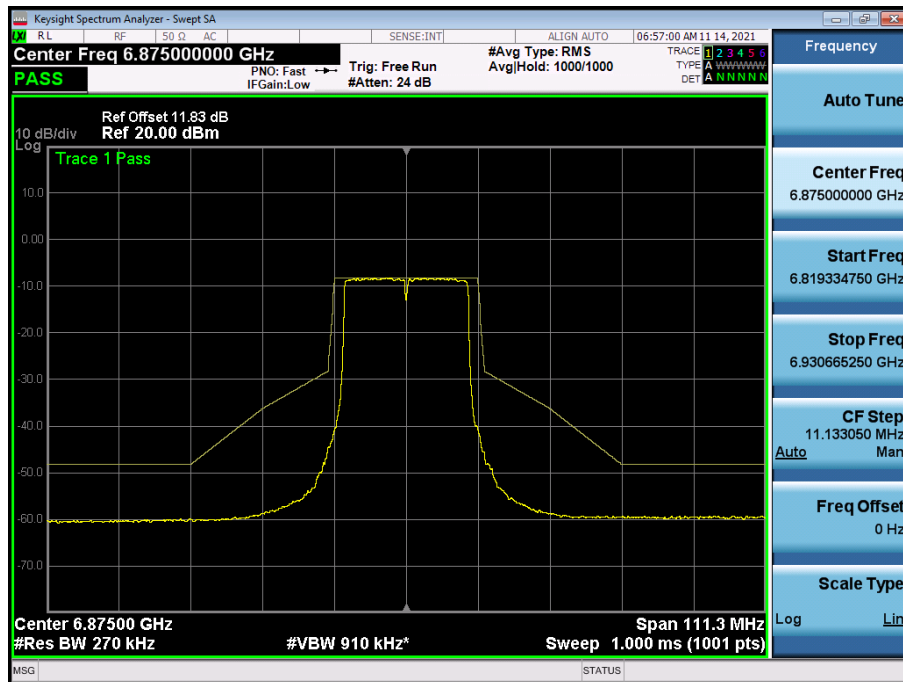
802.11ax HE20 Ch.113(6515 MHz) 242 Tones 61 RU



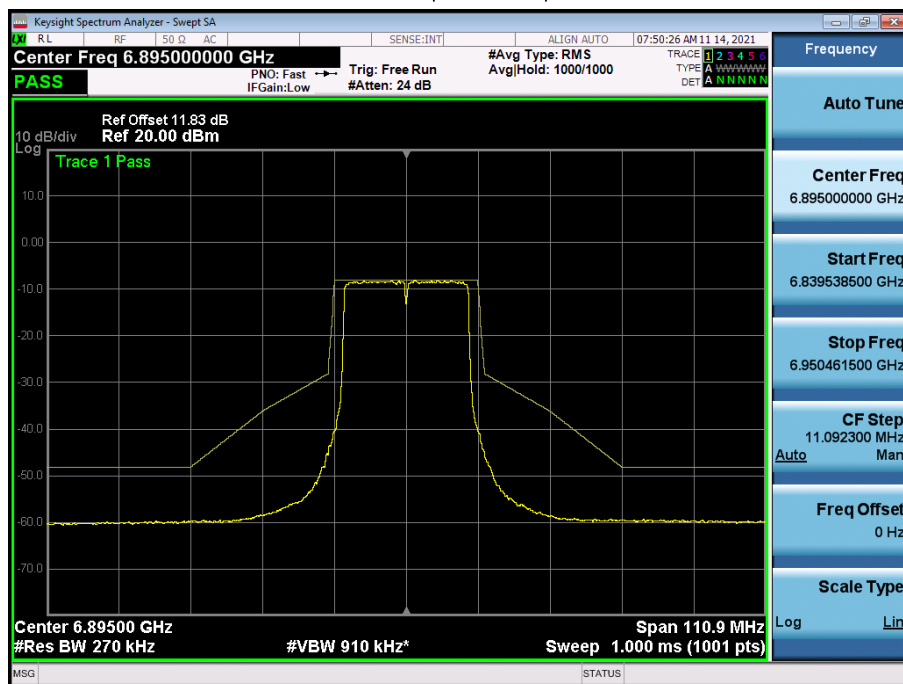
802.11ax HE20 Ch.117(6535 MHz) 242 Tones 61 RU



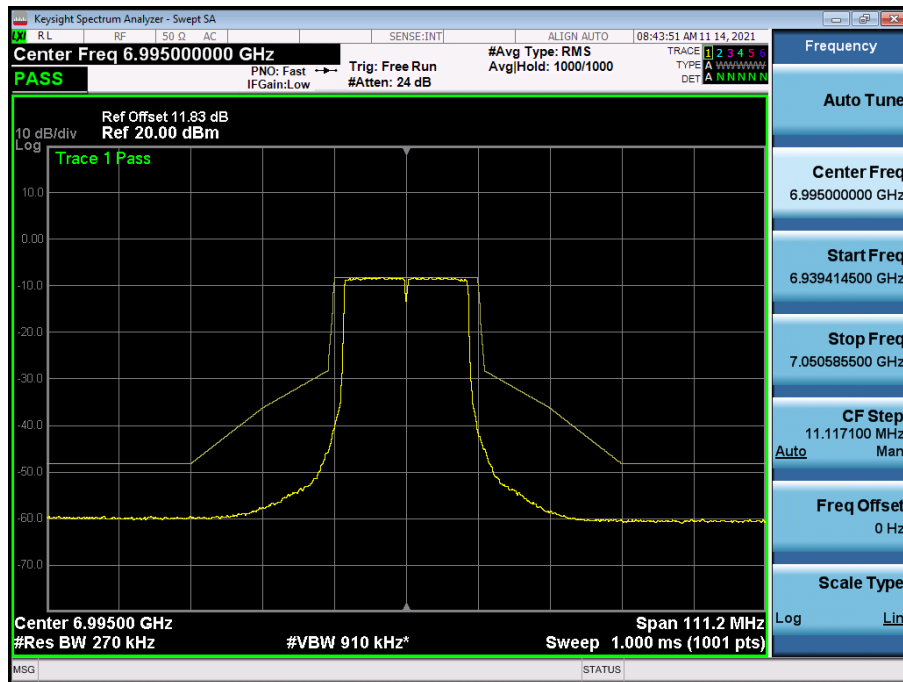
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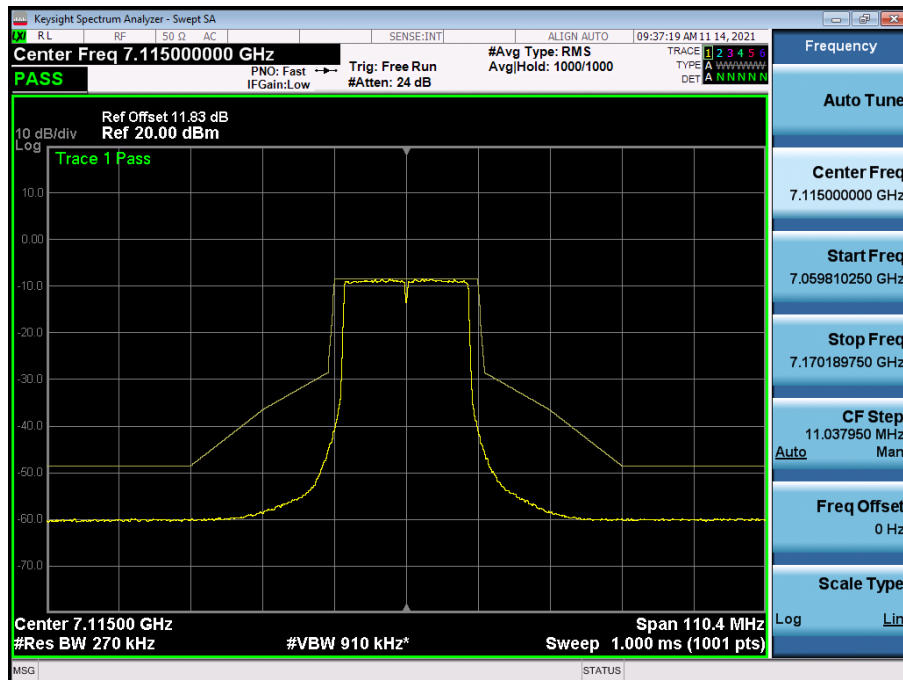
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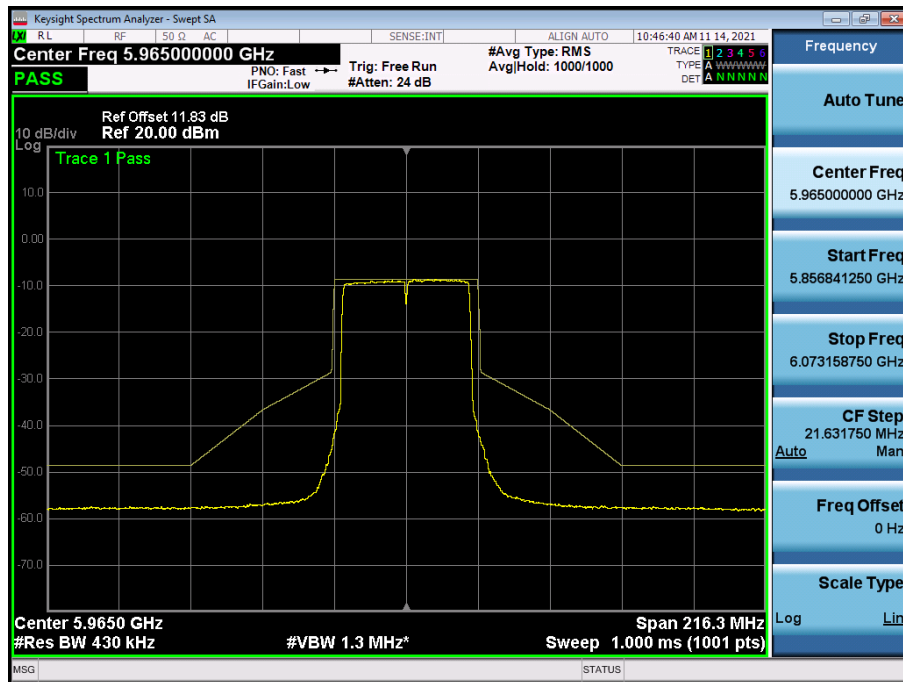
802.11ax HE20 Ch.209(6995 MHz) 242 Tones 61 RU



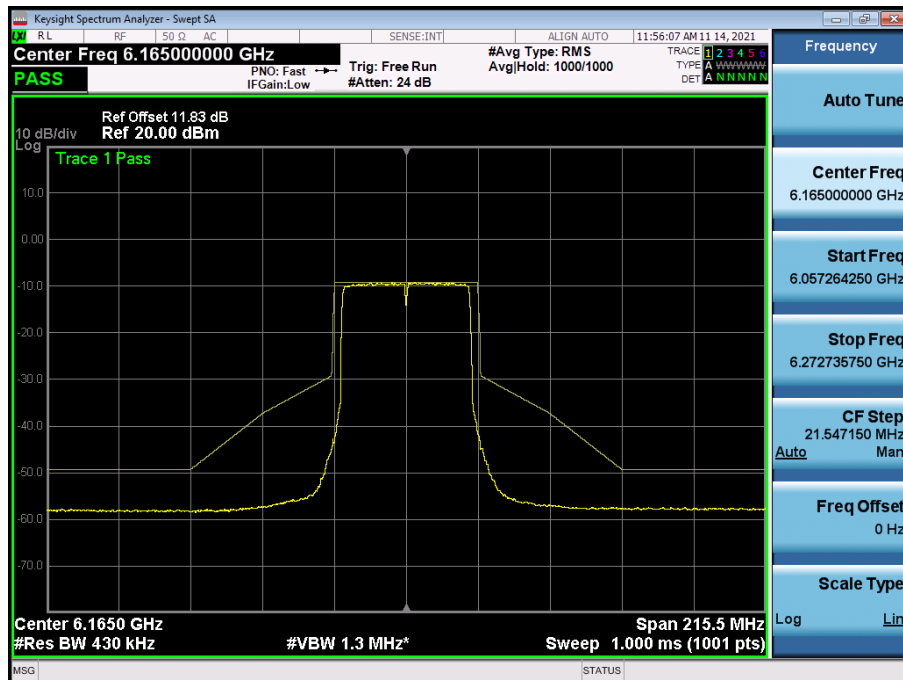
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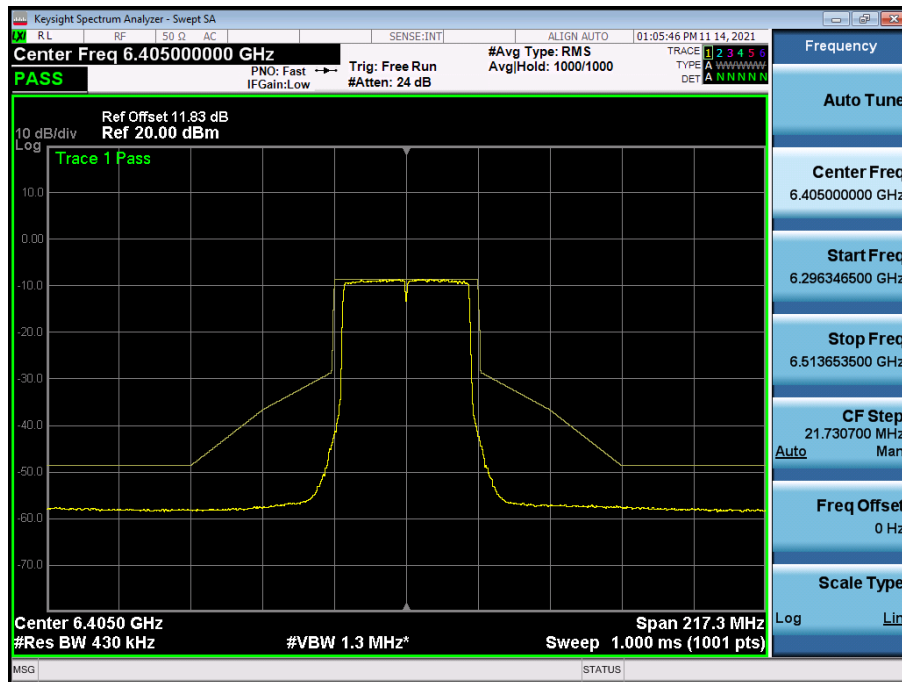
802.11ax HE40 Ch.3(5965 MHz) 484 Tones 65 RU



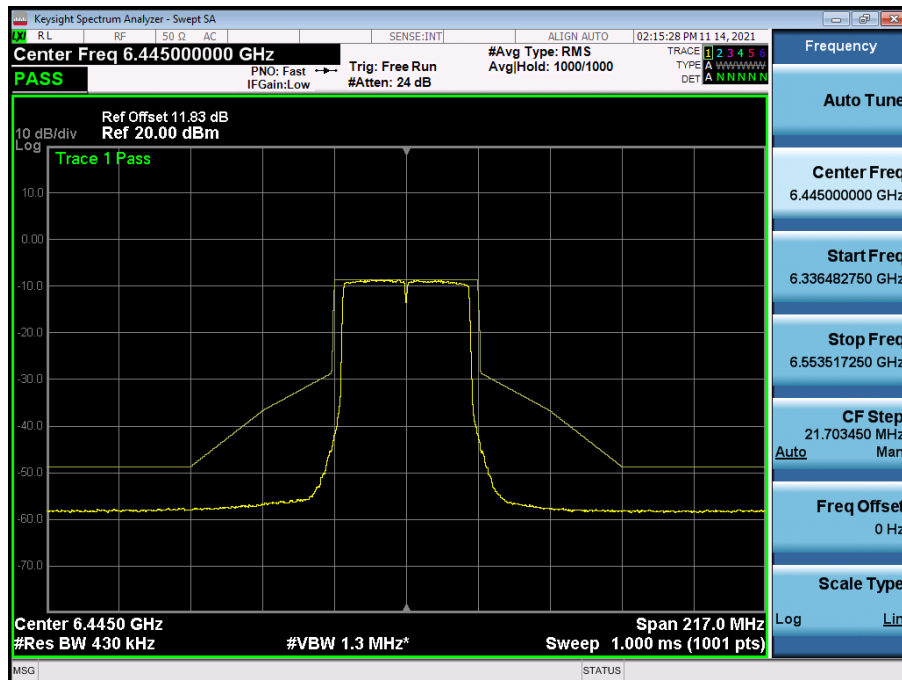
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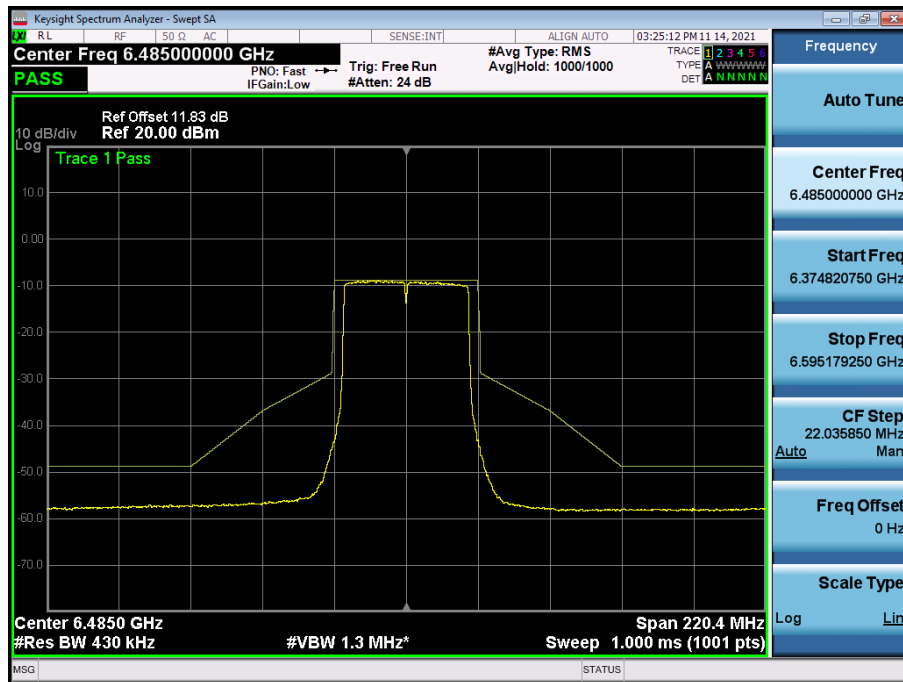
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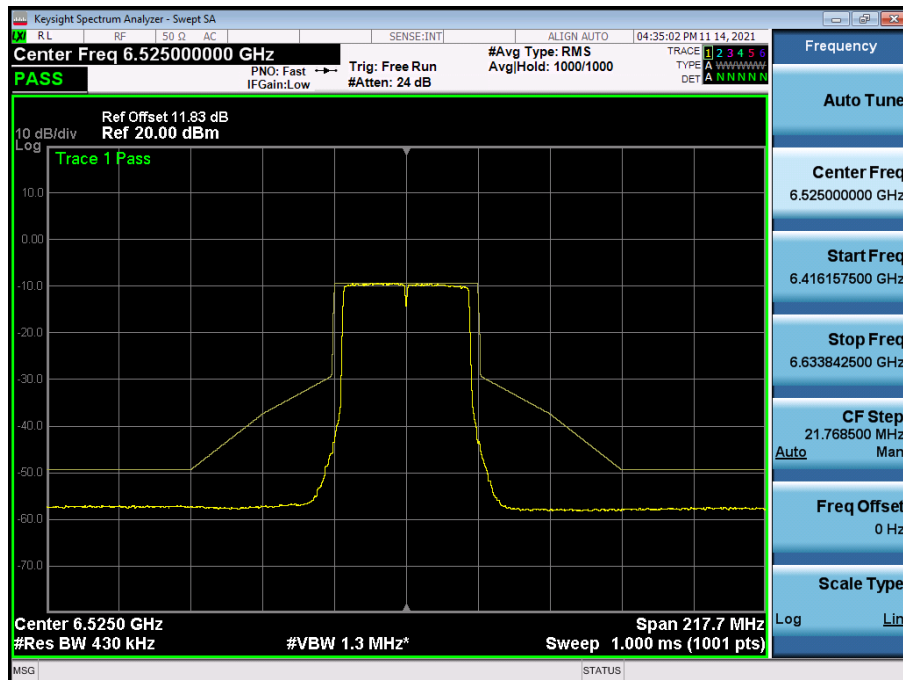
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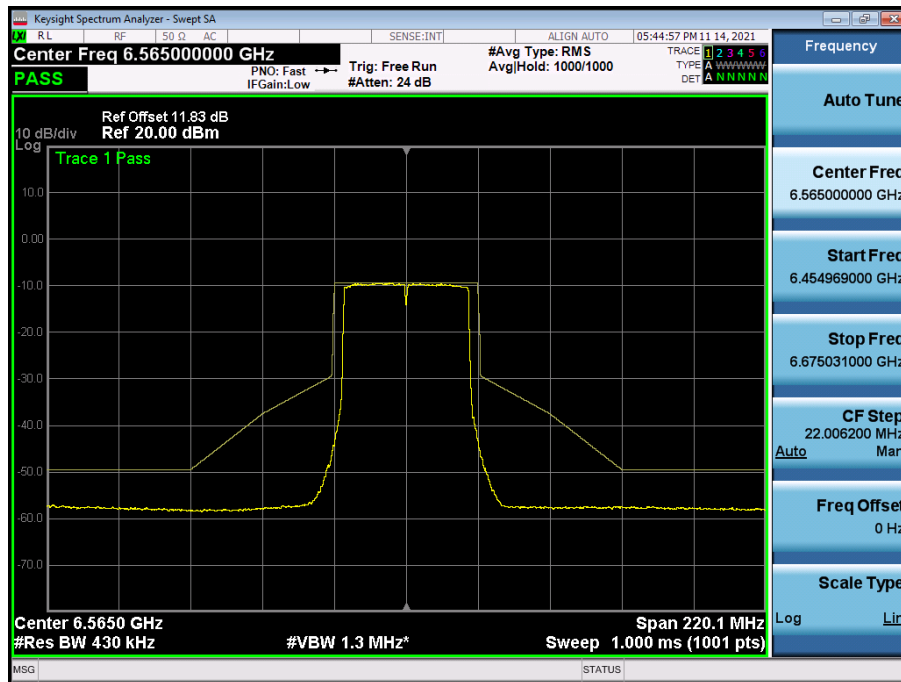
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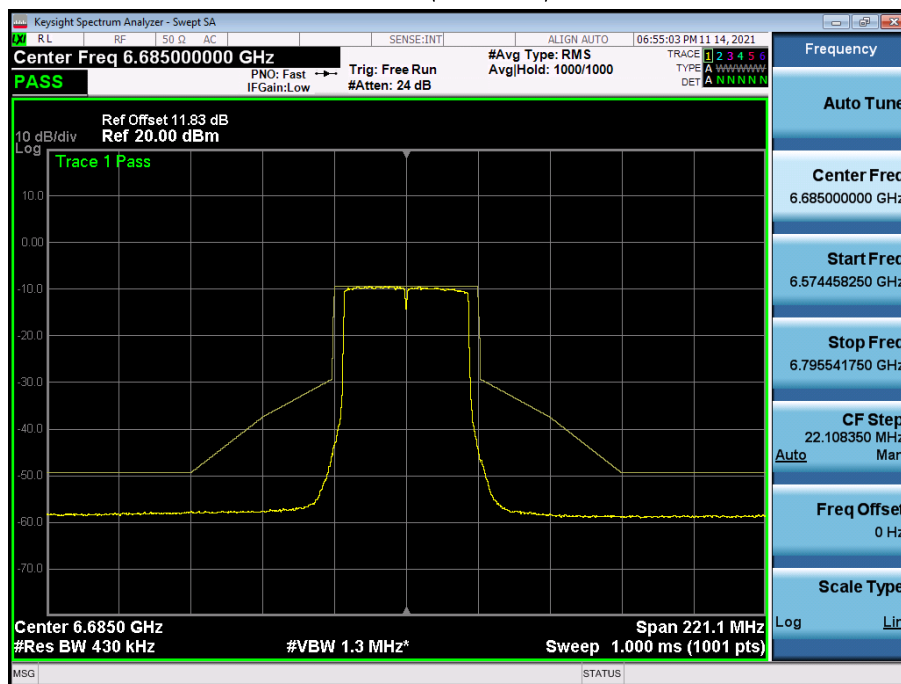
802.11ax HE40 Ch.115(6525 MHz) 484 Tones 65 RU



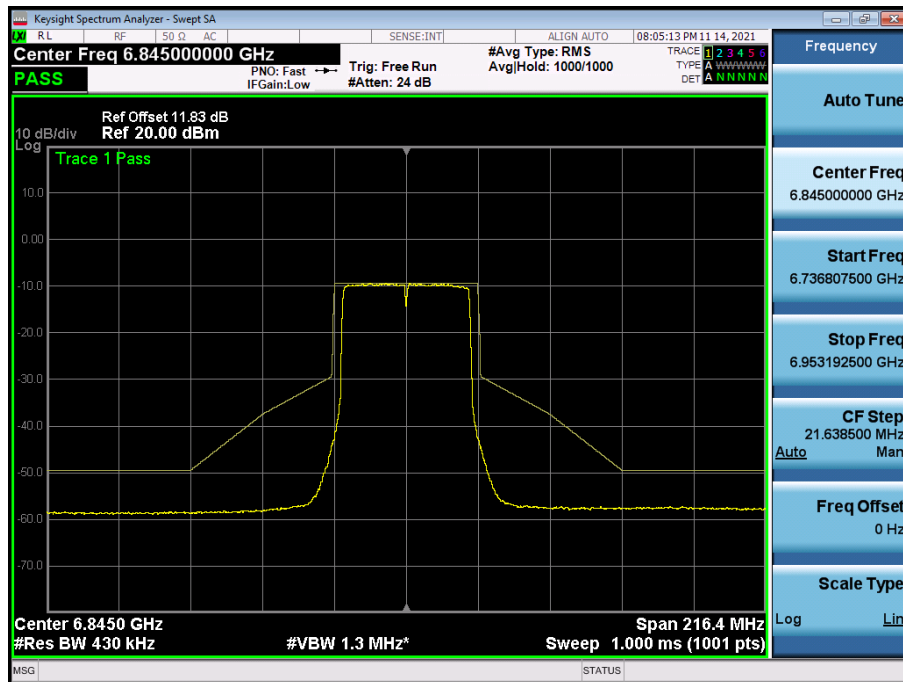
802.11ax HE40 Ch.123(6565 MHz) 484 Tones 65 RU



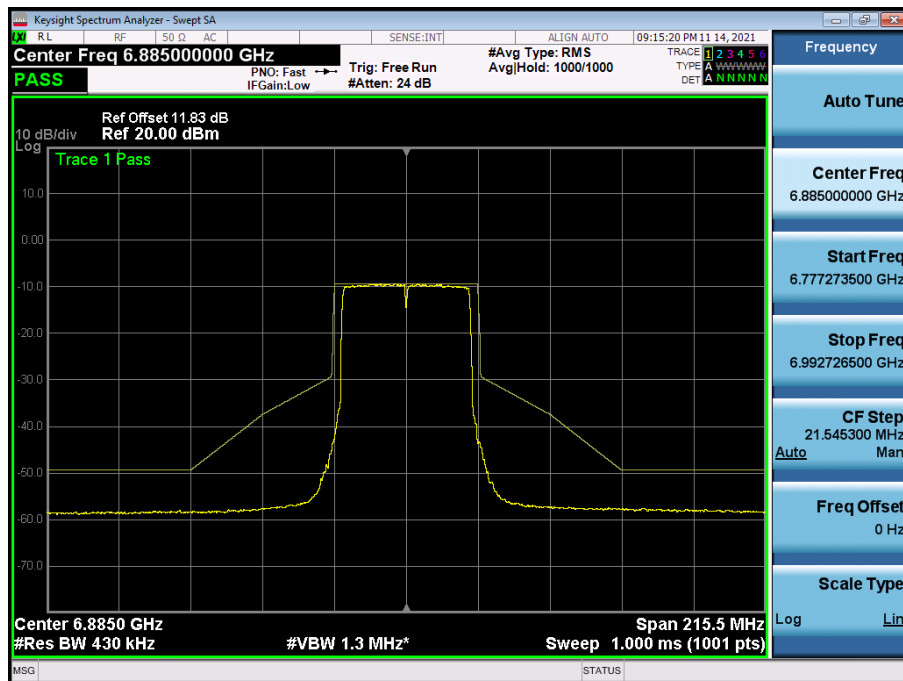
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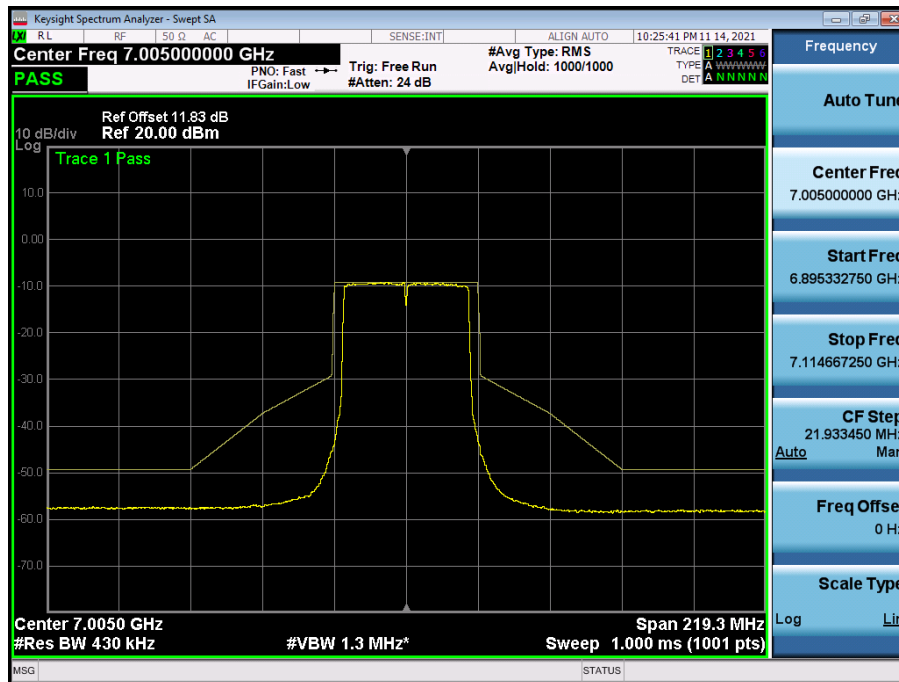
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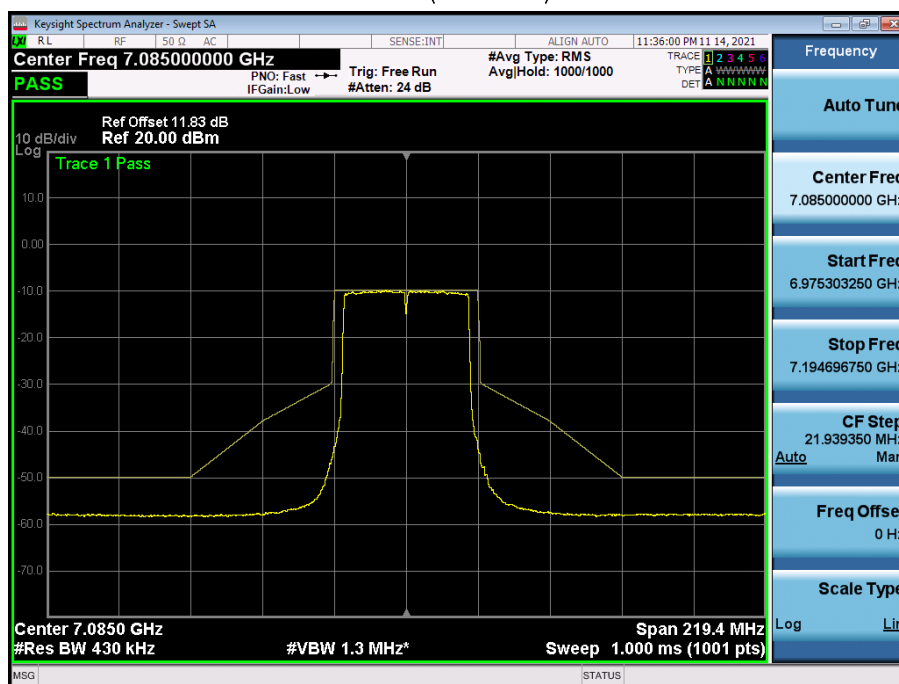
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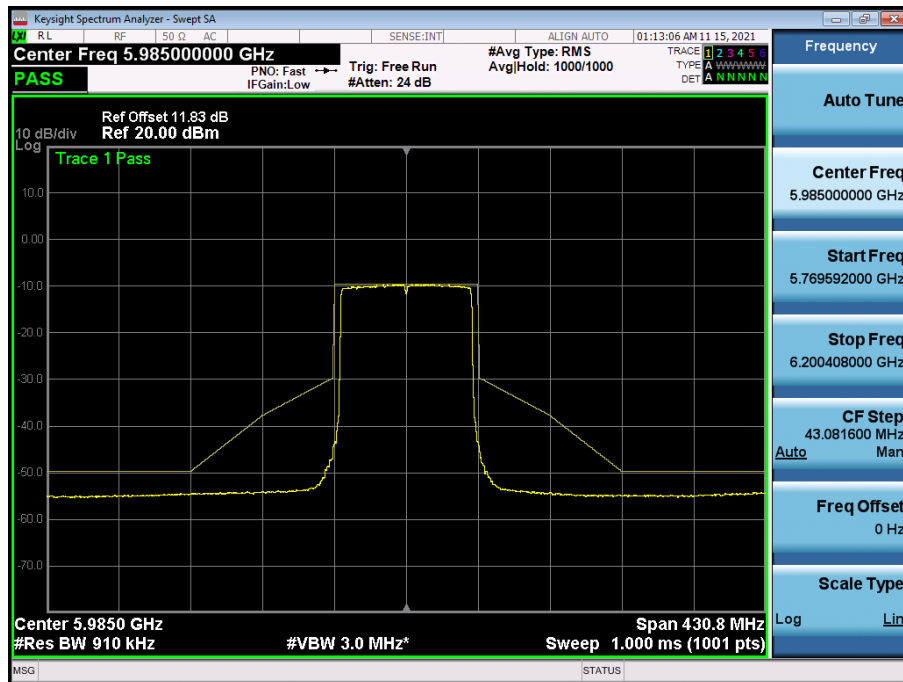
802.11ax HE40 Ch.211(7005 MHz) 484 Tones 65 RU



802.11ax HE40 Ch.227(7085 MHz) 484 Tones 65 RU



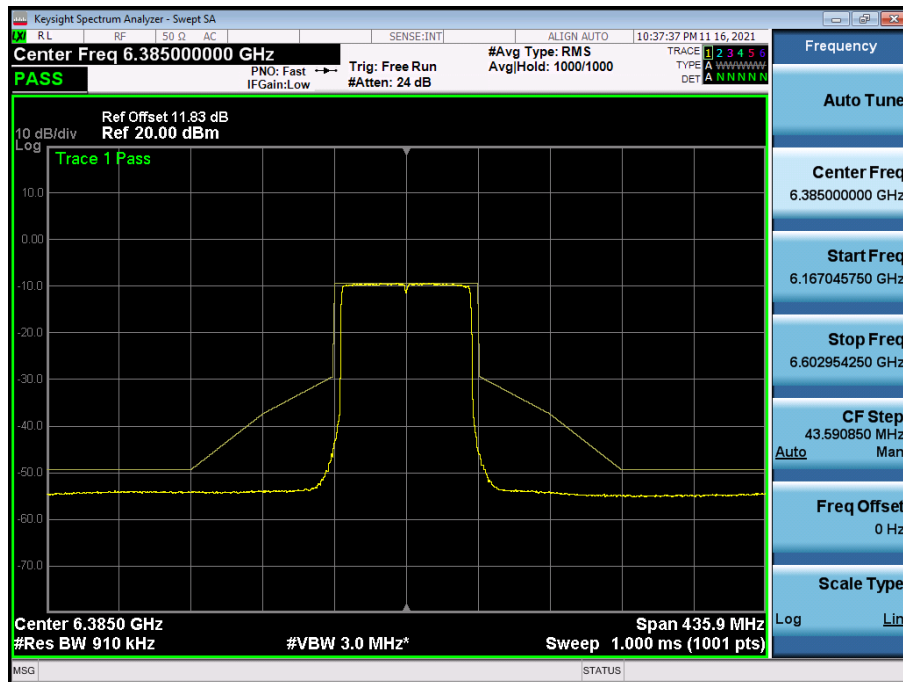
802.11ax HE80 Ch.7(5985 MHz) 996 Tones 67 RU



802.11ax HE80 Ch.39(6145 MHz) 996 Tones 67 RU



802.11ax HE80 Ch.87(6385 MHz) 996 Tones 67 RU



802.11ax HE80 Ch.103(6465 MHz) 996 Tones 67 RU

