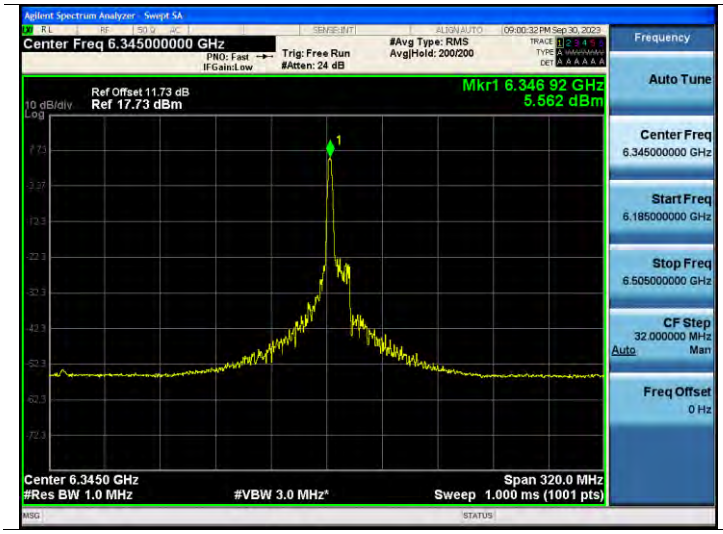
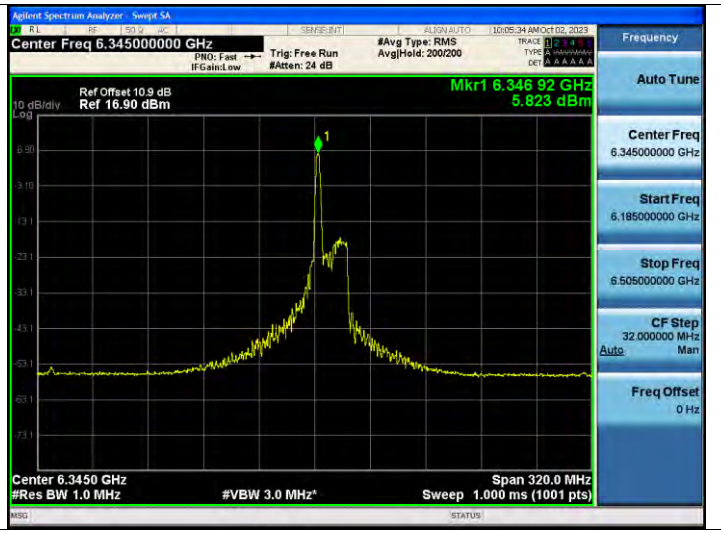
802.11ax HE160 80_U Ch.79(6345 MHz) 26 Tones RU 0

Ant1	Ant2
	

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
8.705	0.018	8.723	4.273

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD/10)+10^(Ant 2 PSD/10))) (dBm/MHz)

Total PSD (dBm/MHz) = SUM PSD(dBm/MHz) + Duty Cycle Factor (dB)

EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

802.11ax HE160 Ch.79(6345 MHz) SU

Ant1	Ant2
	

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
-3.664	0.015	-3.649	-8.099

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD/10)+10^(Ant 2 PSD/10))) (dBm/MHz)

Total PSD (dBm/MHz) = SUM PSD(dBm/MHz) + Duty Cycle Factor (dB)

EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

802.11ax HE160 Ch.79(6345 MHz) 2x996 Tones RU 68

Ant1	Ant2
	

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
-3.624	0.015	-3.610	-8.060

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD/10)+10^(Ant 2 PSD/10))) (dBm/MHz)

Total PSD (dBm/MHz) = SUM PSD(dBm/MHz) + Duty Cycle Factor (dB)

EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

5. Contention Based Protocol

Note:

1. In order to simplify the report, Only worst case for each band have been inserted.
2. The worst case antenna gain(Minimum Gain) is selected from the table.
3. The lowest gain according to the incumbent frequency is applied.

Band	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)
UNII-5	6 135 MHz, 6 110 MHz, 6 185 MHz: -9.32 6 250 MHz: -8.91	-
UNII-6	6 455 MHz, 6 430 MHz, 6 505 MHz: -7.88 6 580 MHz: -9.36	-
UNII-7	6 615 MHz, 6 590 MHz: -9.36 6 665 MHz, 6 740 MHz: -9.84	-
UNII-8	6 895 MHz, 6 910 MHz, 6 985 MHz: -10.76 7 060 MHz: -11.63	-

Incumbent Detection Result

UNII 5

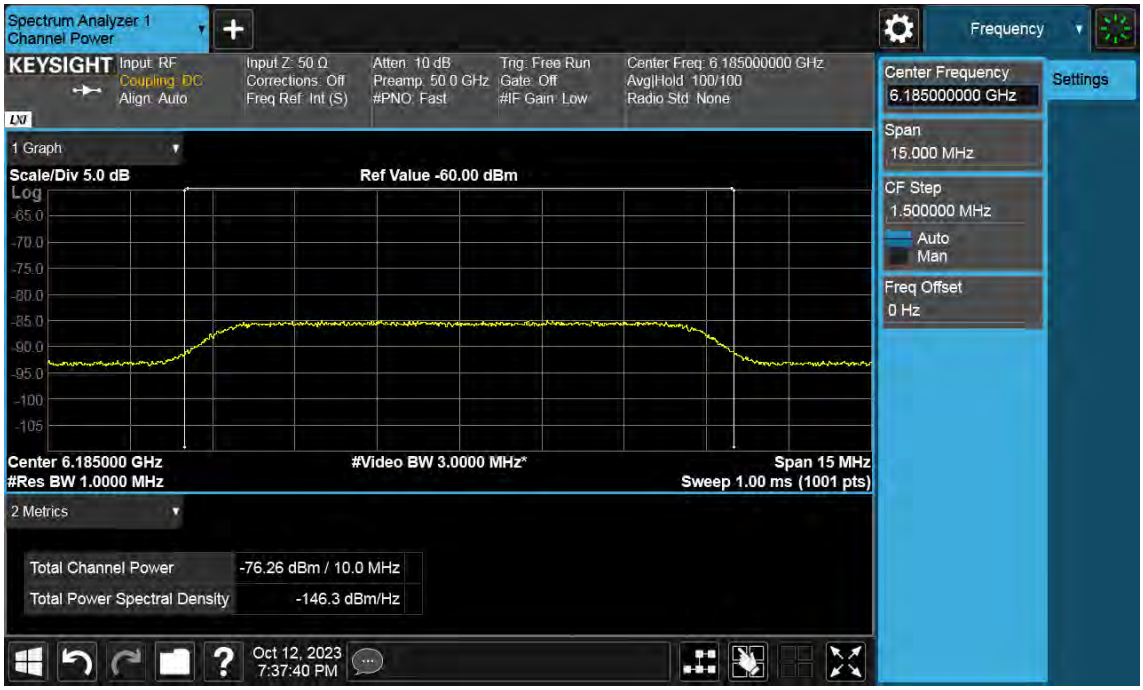
802.11ax HE160 Ch.47(6185 MHz) Incumbent signal (Ceased)

Note:

Marker 2 : AWGN Signal On

Marker 1△2 : AWGN signal Off (limit > 10s)

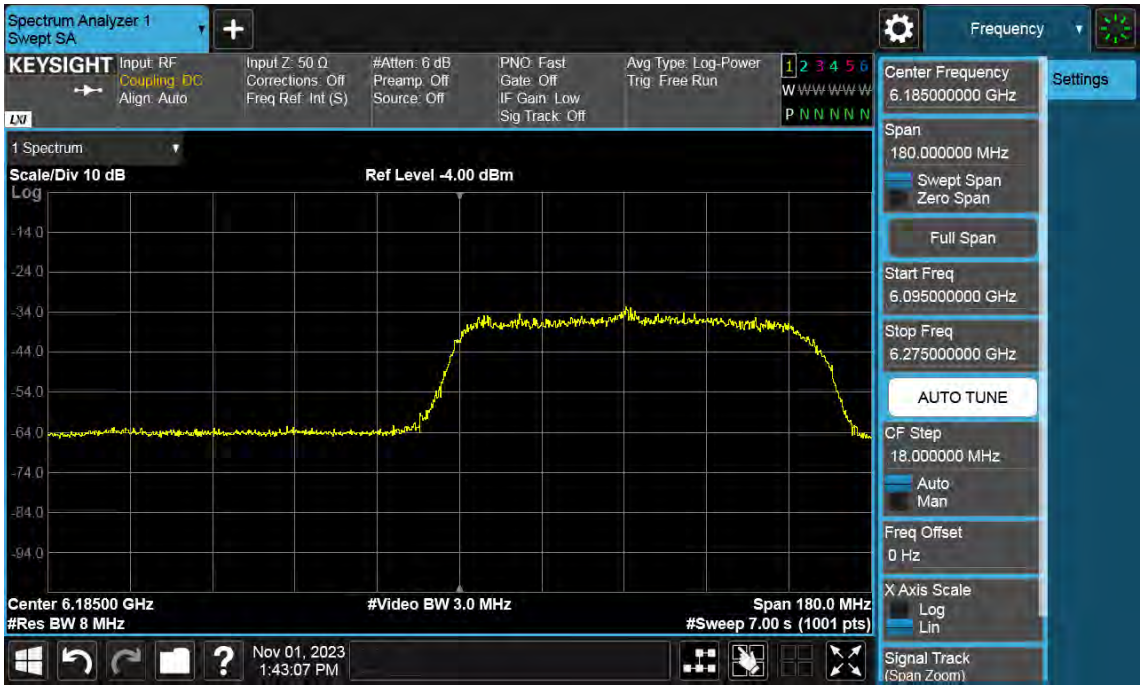
802.11ax HE160 Ch.47(6185 MHz) Detection Level



Bandwidth reduction plot (AWGN injected at low end)

: A 10 MHz AWGN signal (centered at 6110 MHz) is injected.

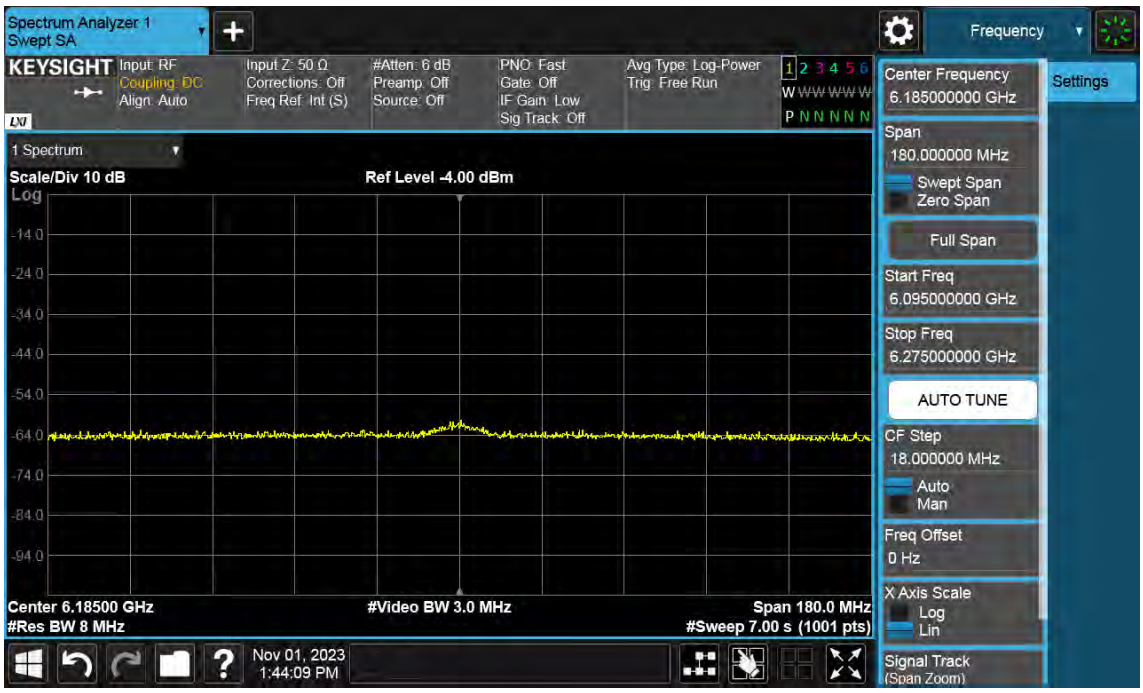
The channel reduces to an 80 MHz channel centered around 6225 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6185 MHz) is injected.

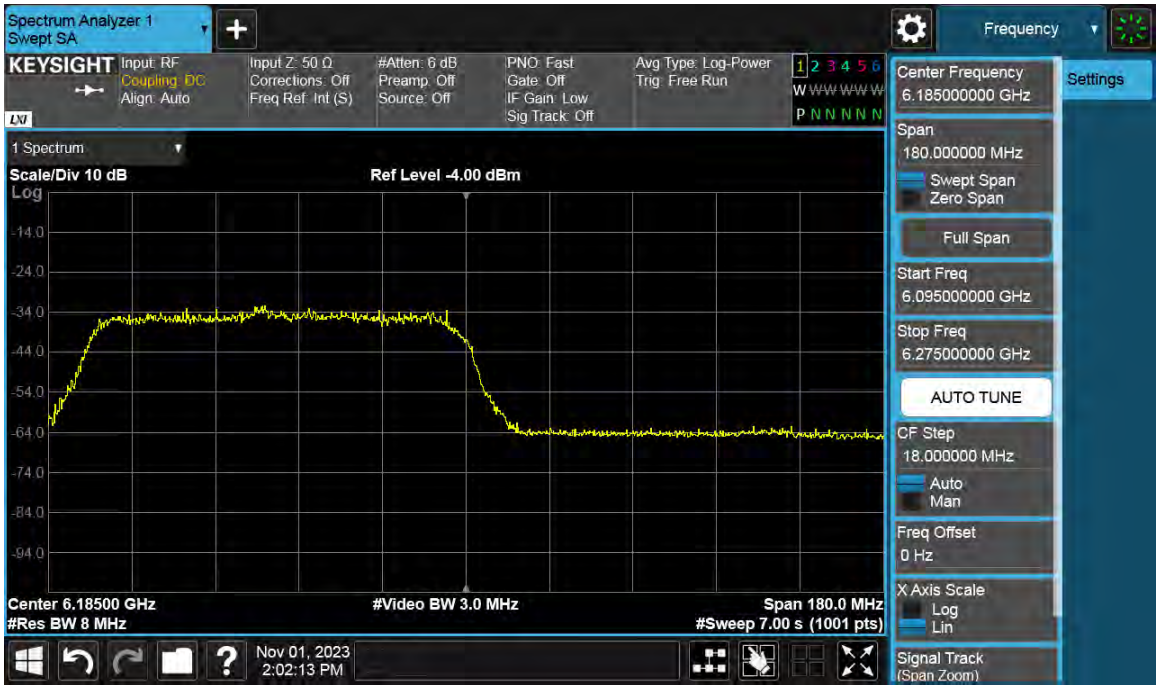
The channel completely ceases operation.



Bandwidth reduction plot (AWGN injected at high end)

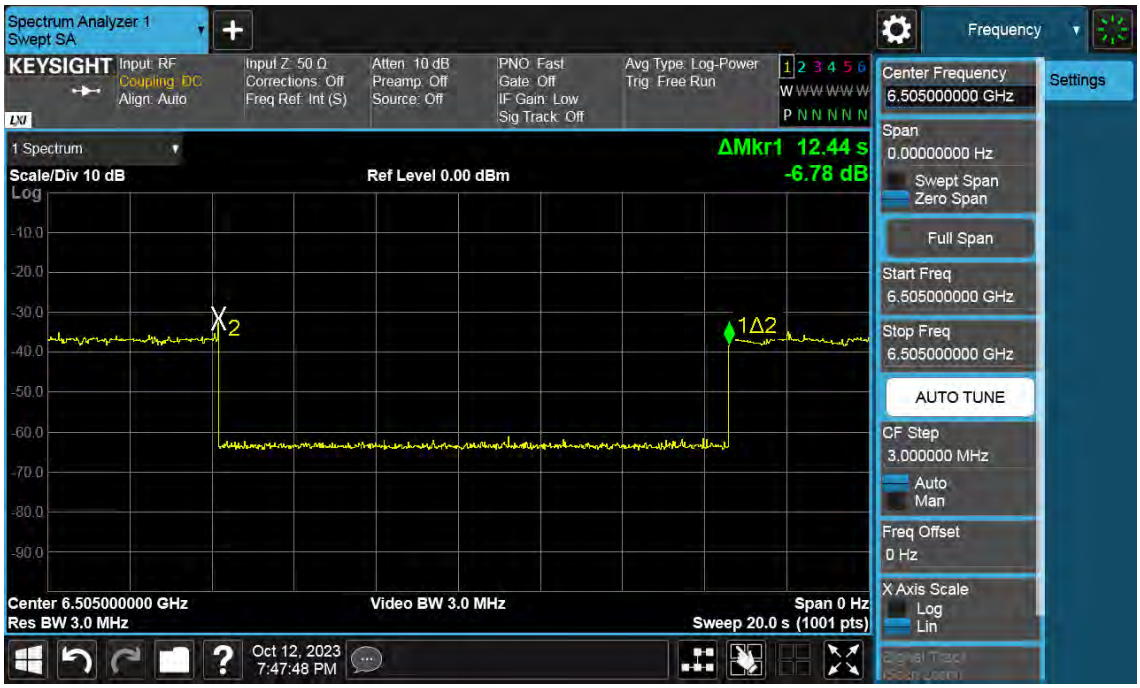
: A 10 MHz AWGN signal (centered at 6250 MHz) is injected.

The channel reduces to a 80 MHz channel centered around 6145 MHz.



UNII 6

802.11ax HE160 Ch.111(6505 MHz) Incumbent signal (Ceased)

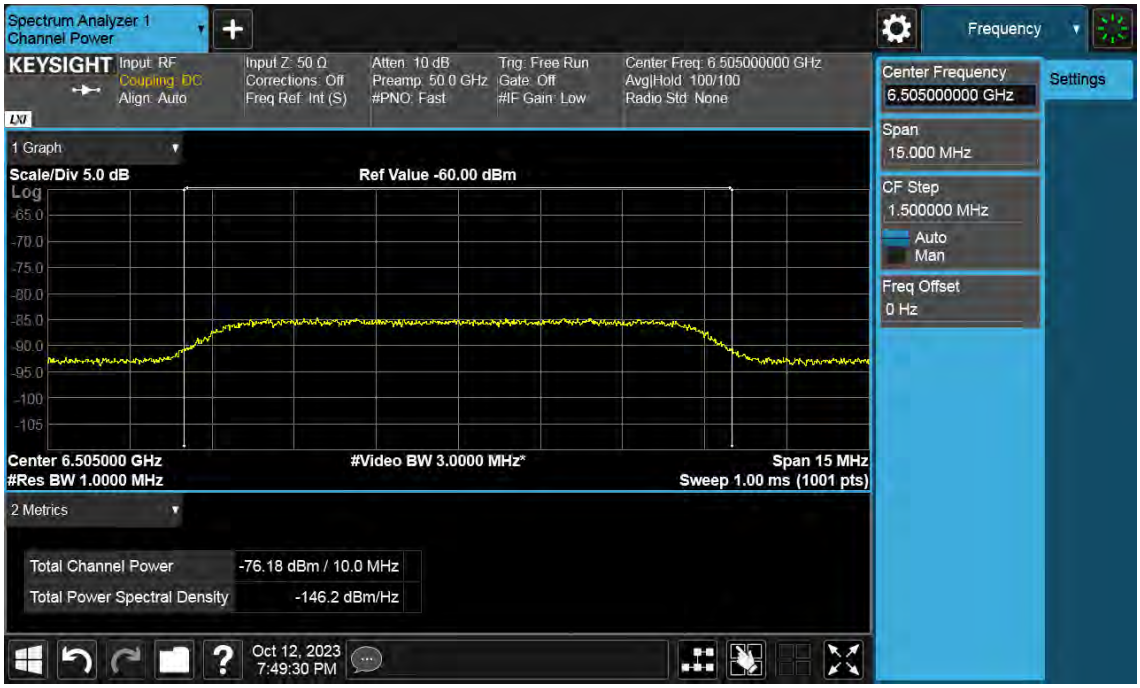


Note:

Marker 2 : AWGN Signal On

Marker 1△2 : AWGN signal Off (limit > 10s)

802.11ax HE160 Ch.111(6505 MHz) Detection Level



Bandwidth reduction plot (AWGN injected at low end)

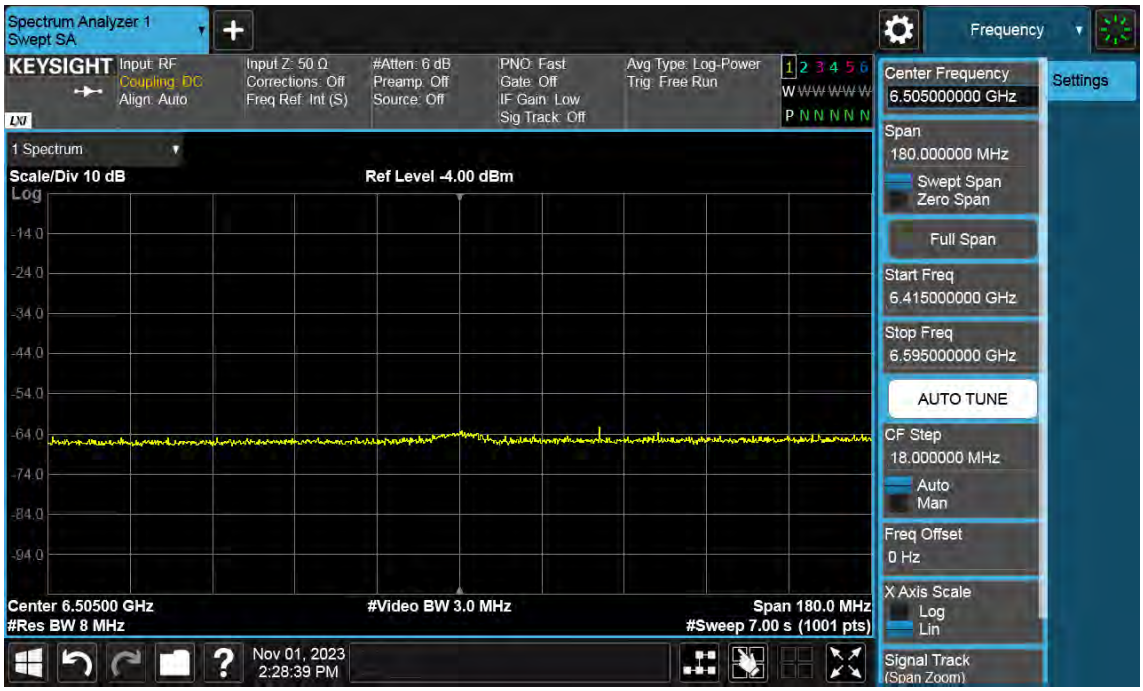
: A 10 MHz AWGN signal (centered at 6430 MHz) is injected.

The channel reduces to an 80 MHz channel centered around 6545 MHz.

Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6505 MHz) is injected.

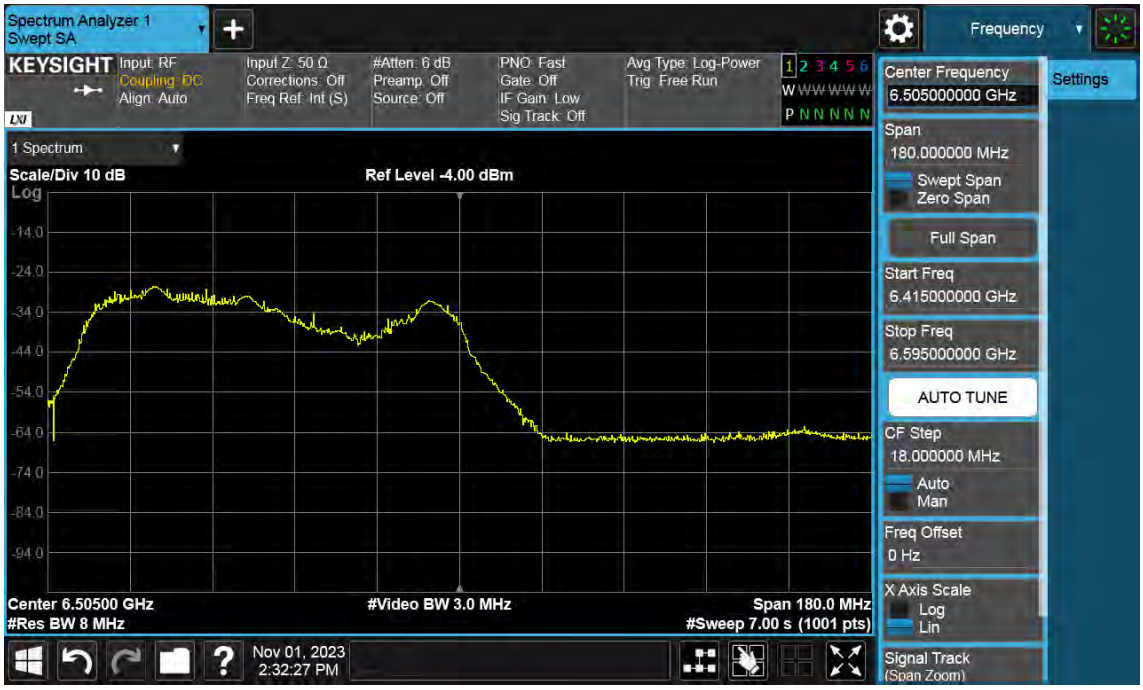
The channel completely ceases operation.



Bandwidth reduction plot (AWGN injected at high end)

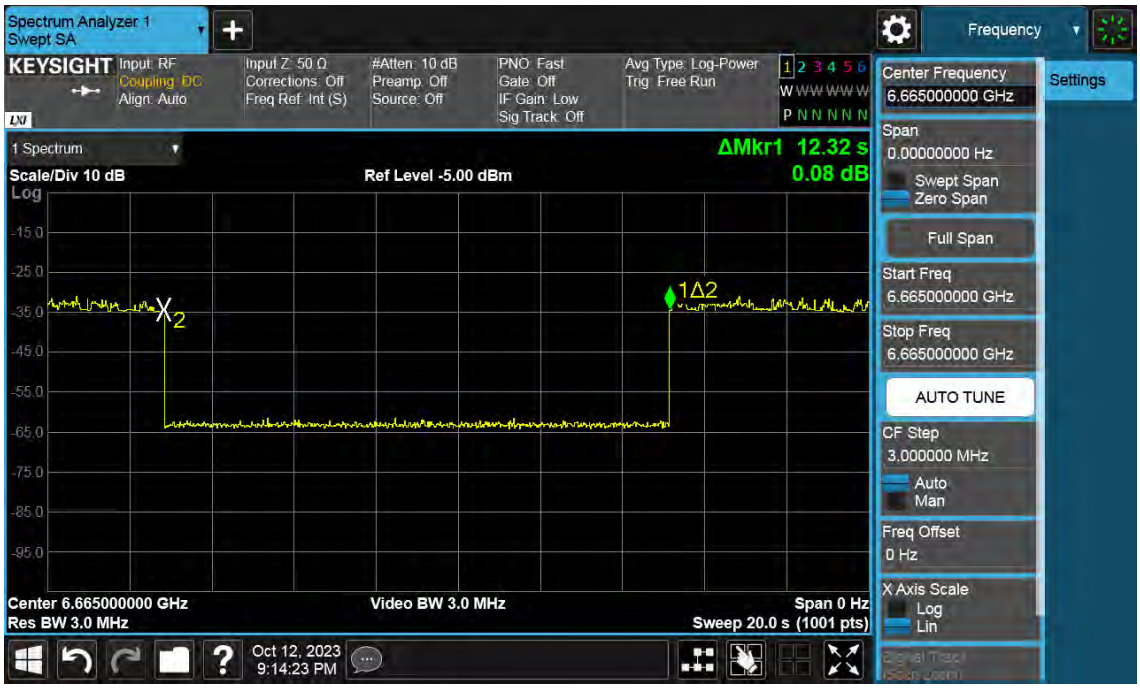
: A 10 MHz AWGN signal (centered at 6580 MHz) is injected.

The channel reduces to a 80 MHz channel centered around 6465 MHz.



UNII 7

802.11ax HE160 Ch.143(6665 MHz) Incumbent signal (Ceased)



Note:

Marker 2 : AWGN Signal On

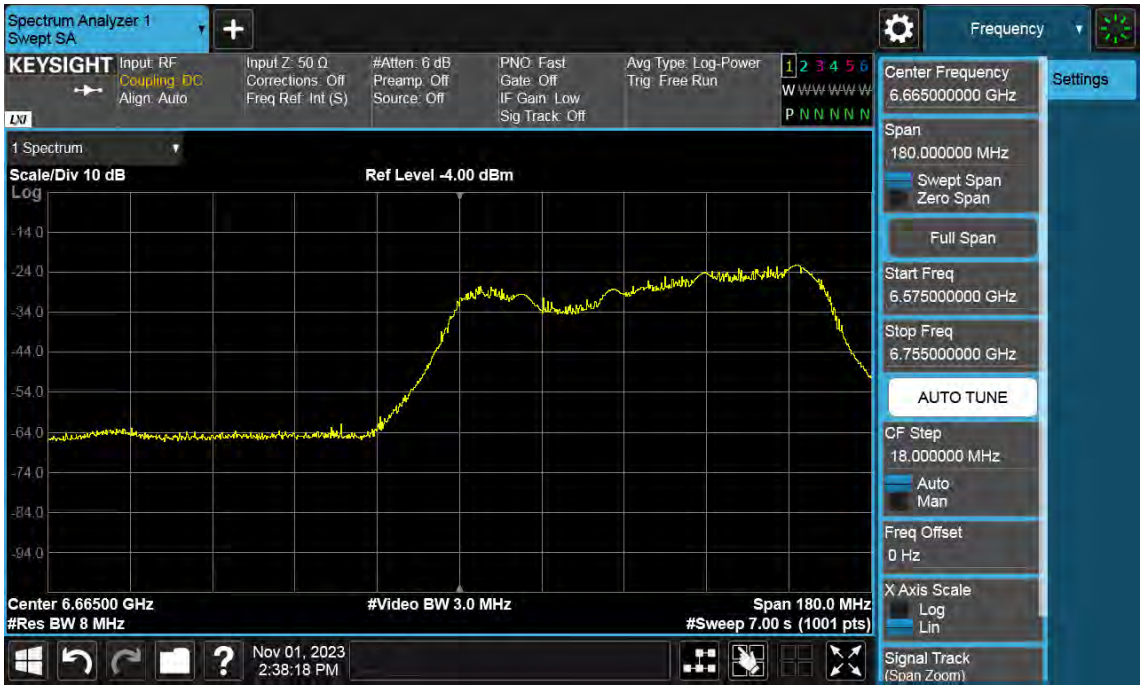
Marker 1△2 : AWGN signal Off (limit > 10s)

802.11ax HE160 Ch.143(6665 MHz) Detection Level

Bandwidth reduction plot (AWGN injected at low end)

: A 10 MHz AWGN signal (centered at 6590 MHz) is injected.

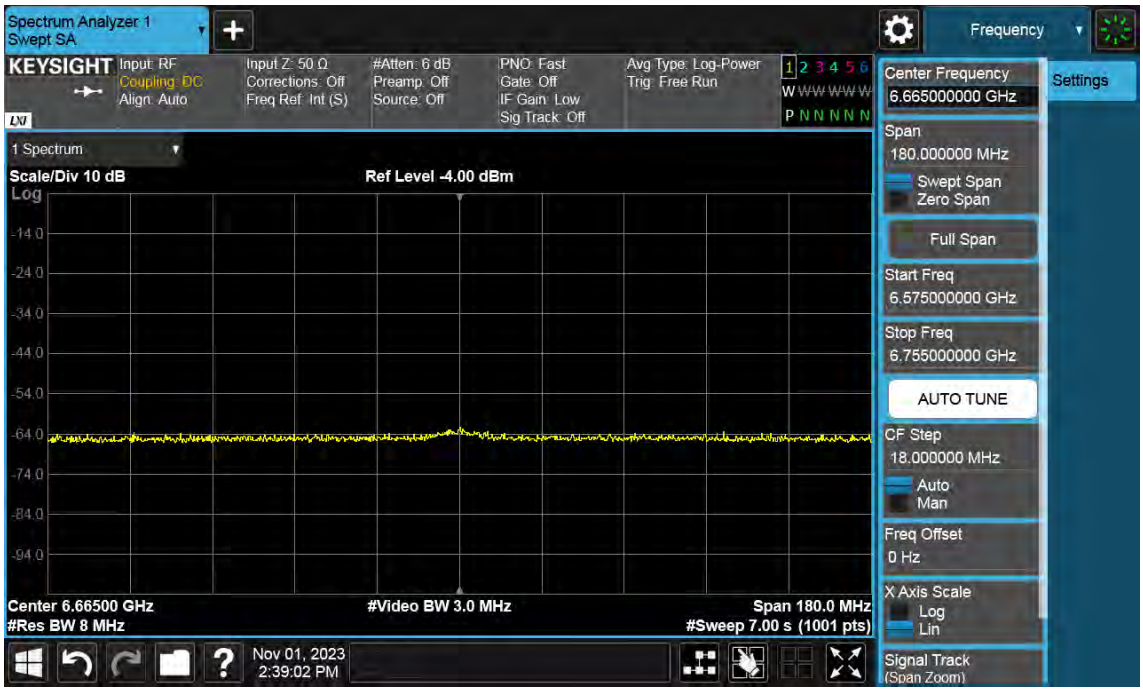
The channel reduces to an 80 MHz channel centered around 6705 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6665 MHz) is injected.

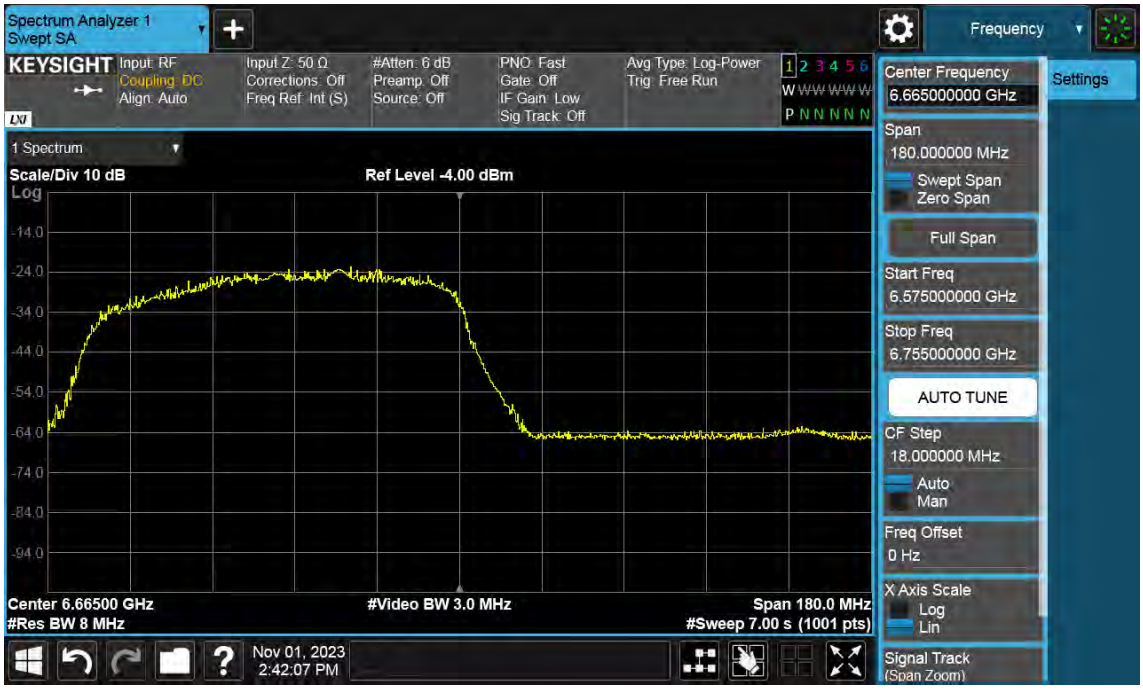
The channel completely ceases operation.



Bandwidth reduction plot (AWGN injected at high end)

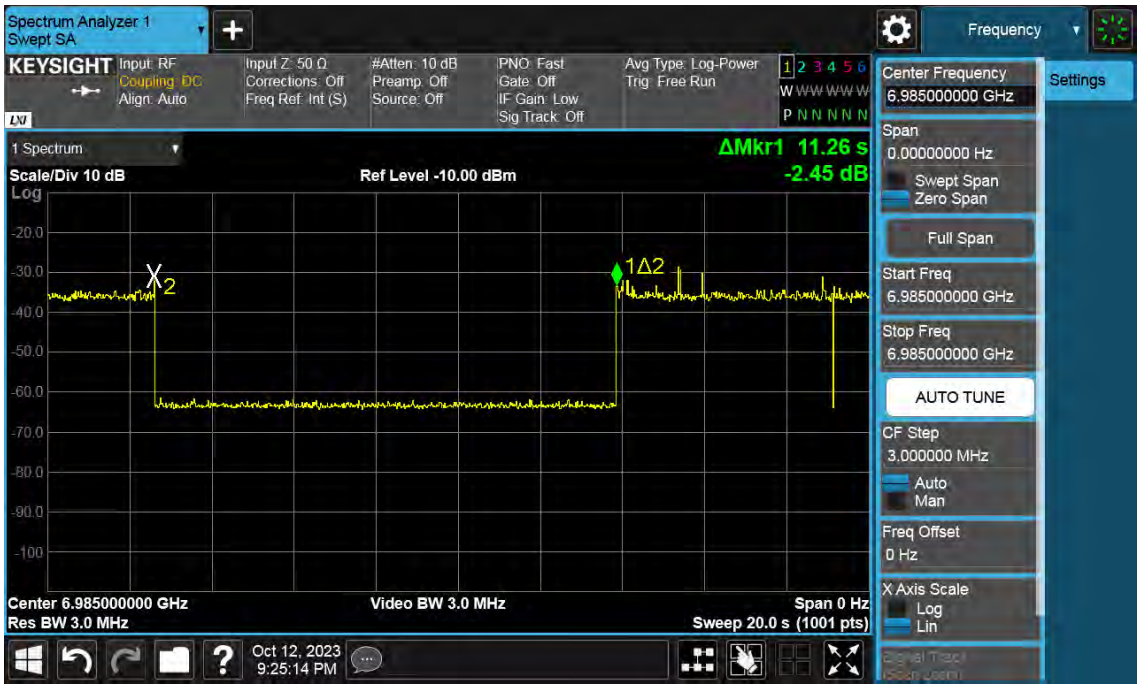
: A 10 MHz AWGN signal (centered at 6740 MHz) is injected.

The channel reduces to a 80 MHz channel centered around 6625 MHz.



UNII 8

802.11ax HE160 Ch.207(6985 MHz) Incumbent signal (Ceased)



Note:

Marker 2 : AWGN Signal On

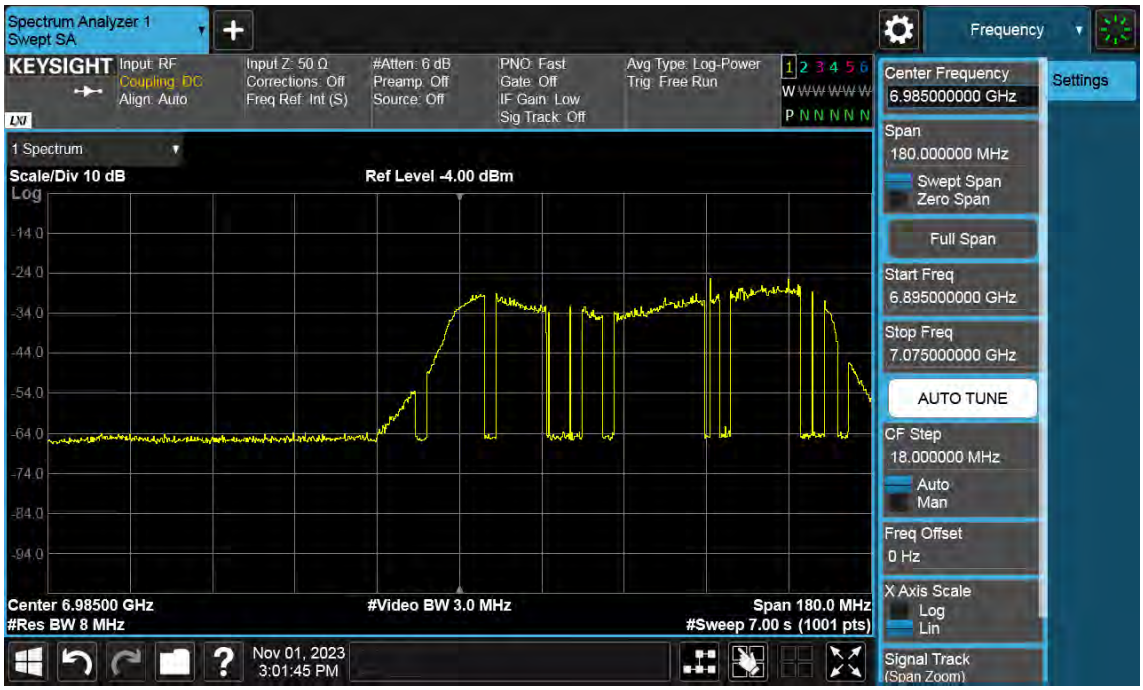
Marker 1△2 : AWGN signal Off (limit > 10s)

802.11ax HE160 Ch.207(6985 MHz) Detection Level

Bandwidth reduction plot (AWGN injected at low end)

: A 10 MHz AWGN signal (centered at 6910 MHz) is injected.

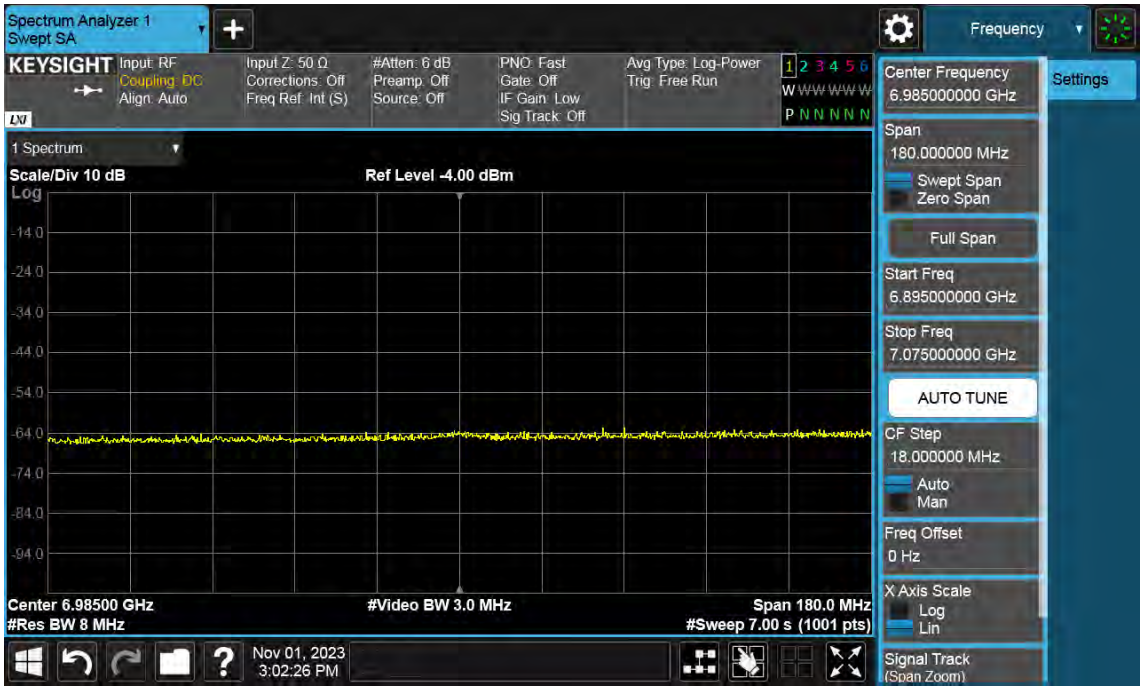
The channel reduces to an 80 MHz channel centered around 7025 MHz.



Bandwidth reduction plot (AWGN injected at center)

: A 10 MHz AWGN signal (centered at 6985 MHz) is injected.

The channel completely ceases operation.



Bandwidth reduction plot (AWGN injected at high end)

: A 10 MHz AWGN signal (centered at 7060 MHz) is injected.

The channel reduces to a 80 MHz channel centered around 6945 MHz.