802.11ax HE160 80_U Ch.47(6185MHz) 52 Tones RU 52

Ant1	Ant2
	

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
-0.991	0.025	-0.966	-1.602

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD /10)+10^(Ant 2 PSD/10))) (dBm)
Total PSD (dBm/MHz) = SUM PSD(dBm) + Duty Cycle Factor (dB)
EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

802.11ax HE160 80_U Ch.79(6345 MHz) SU

Ant1	Ant2
	

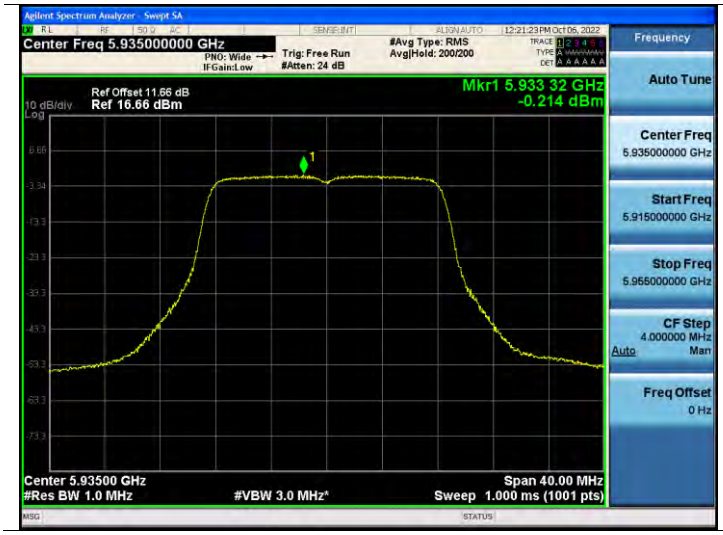
SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
-8.663	0.012	-8.651	-9.288

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD /10)+10^(Ant 2 PSD/10))) (dBm)
Total PSD (dBm/MHz) = SUM PSD(dBm) + Duty Cycle Factor (dB)
EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

4.2 Standard client

[SUM (MIMO Ant 1 + MIMO Ant2)]

802.11a Ch.2(5935MHz) SU	
Ant1	**Ant2**
	

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
2.660	0.096	2.756	2.116

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD /10)+10^(Ant 2 PSD/10))) (dBm)
Total PSD (dBm/MHz) = SUM PSD(dBm) + Duty Cycle Factor (dB)
EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

802.11ax HE20 Ch.93(6415MHz) 26 Tones RU 8

Ant1

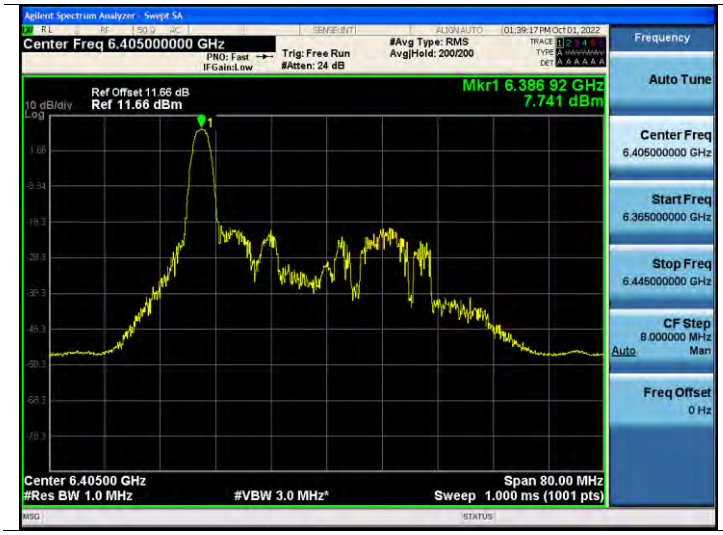
Ant2

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
10.524	0.030	10.553	9.913

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD /10)+10^(Ant 2 PSD/10))) (dBm)
Total PSD (dBm/MHz) = SUM PSD(dBm) + Duty Cycle Factor (dB)
EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

802.11ax HE40 Ch.91(6405MHz) 26 Tones RU 0

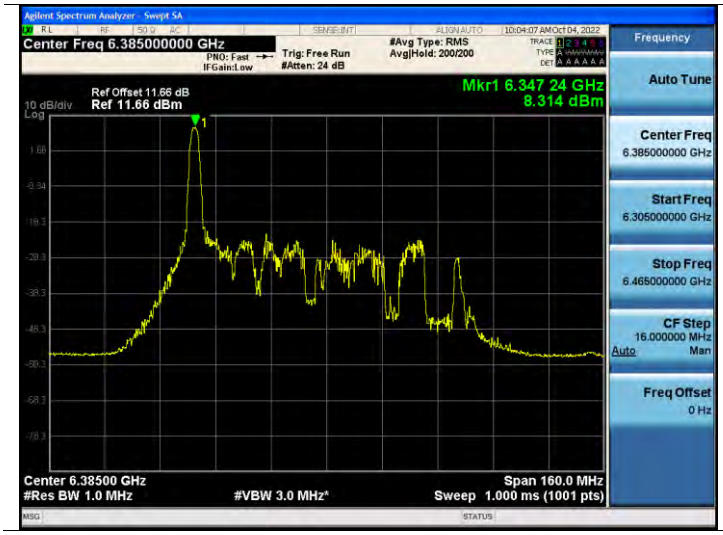
Ant1	Ant2
	

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
10.500	0.030	10.530	9.890

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD /10)+10^(Ant 2 PSD/10))) (dBm)
Total PSD (dBm/MHz) = SUM PSD(dBm) + Duty Cycle Factor (dB)
EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

802.11ax HE80 Ch.87(6385MHz) 26 Tones RU 0

Ant1	Ant2
	

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
10.893	0.025	10.918	10.278

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD /10)+10^(Ant 2 PSD/10))) (dBm)
Total PSD (dBm/MHz) = SUM PSD(dBm) + Duty Cycle Factor (dB)
EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

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

Ant1	Ant2
	

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
10.692	0.030	10.722	10.082

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD /10)+10^(Ant 2 PSD/10))) (dBm)
Total PSD (dBm/MHz) = SUM PSD(dBm) + Duty Cycle Factor (dB)
EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

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

Ant1	Ant2
	

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
10.112	0.030	10.142	9.502

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD /10)+10^(Ant 2 PSD/10))) (dBm)
Total PSD (dBm/MHz) = SUM PSD(dBm) + Duty Cycle Factor (dB)
EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

802.11ax HE160 80_U Ch.79(6345 MHz) SU

Ant1	Ant2
	

SUM PSD (dBm/MHz)	Duty Cycle Factor (dB)	Total PSD (dBm/MHz)	EIRP PSD (dBm/MHz)
-6.531	0.012	-6.519	-7.159

Note:

SUM PSD(dBm/MHz) = 10log(((10^(Ant 1 PSD /10)+10^(Ant 2 PSD/10))) (dBm)
Total PSD (dBm/MHz) = SUM PSD(dBm) + Duty Cycle Factor (dB)
EIRP PSD(dBm/MHz) = Total PSD (dBm/MHz) + Directional Gain(dBi)

5. Contention Based Protocol

Note:

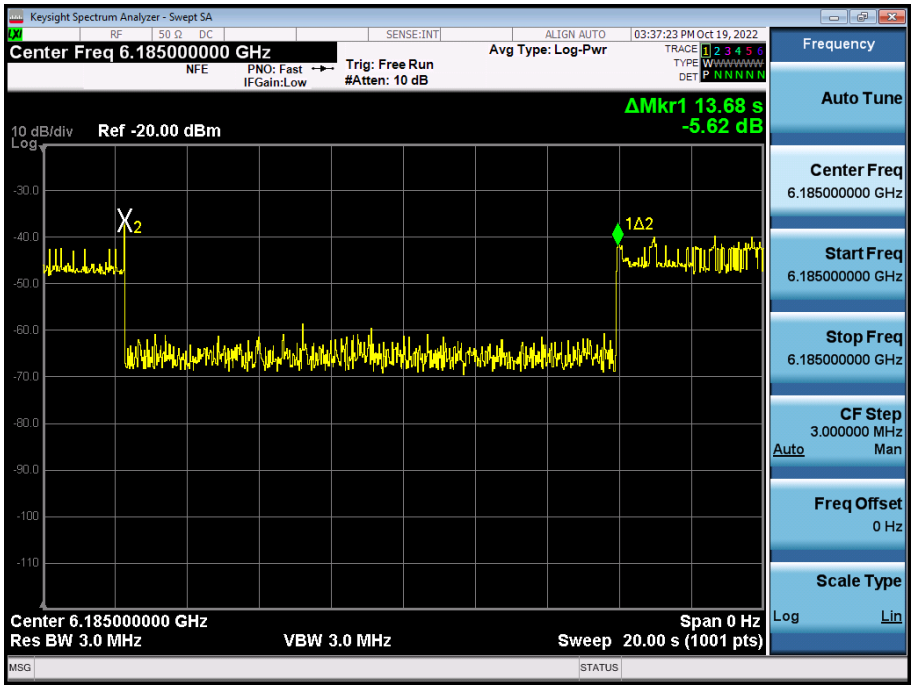
1. In order to simplify the report, Only worst case for each band have been inserted.
2. The worst case antenna gain(Minimum Gain) is selected from the table.
3. The lowest gain according to the incumbent frequency is applied.

Band	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)
UNII-5	-	-7.62
UNII-6	-	-4.98
UNII-7	-	-6.35
UNII-8	-	-7.35

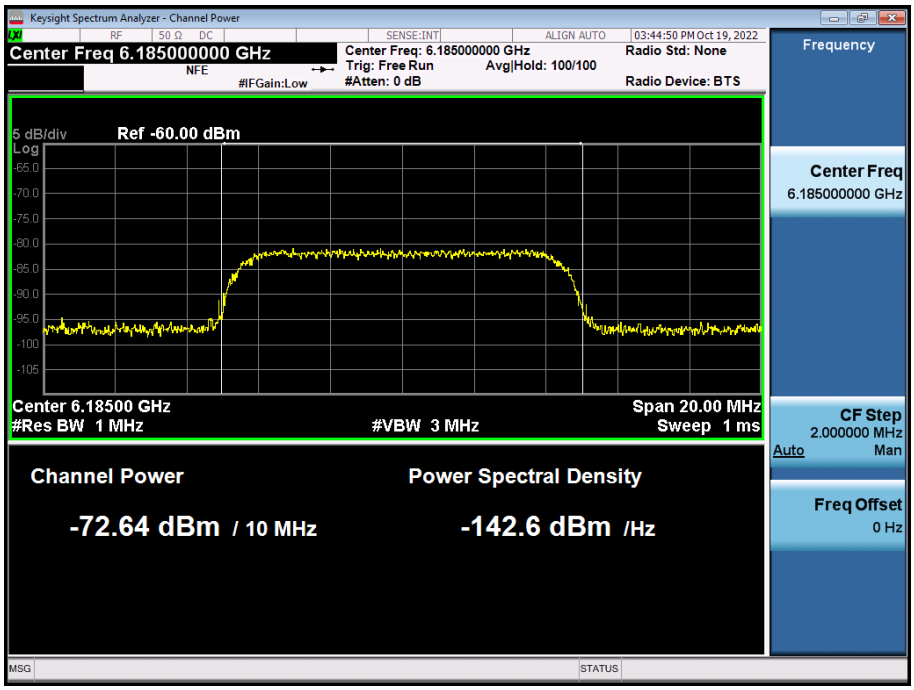
- Incumbent Detection Result

UNII 5

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

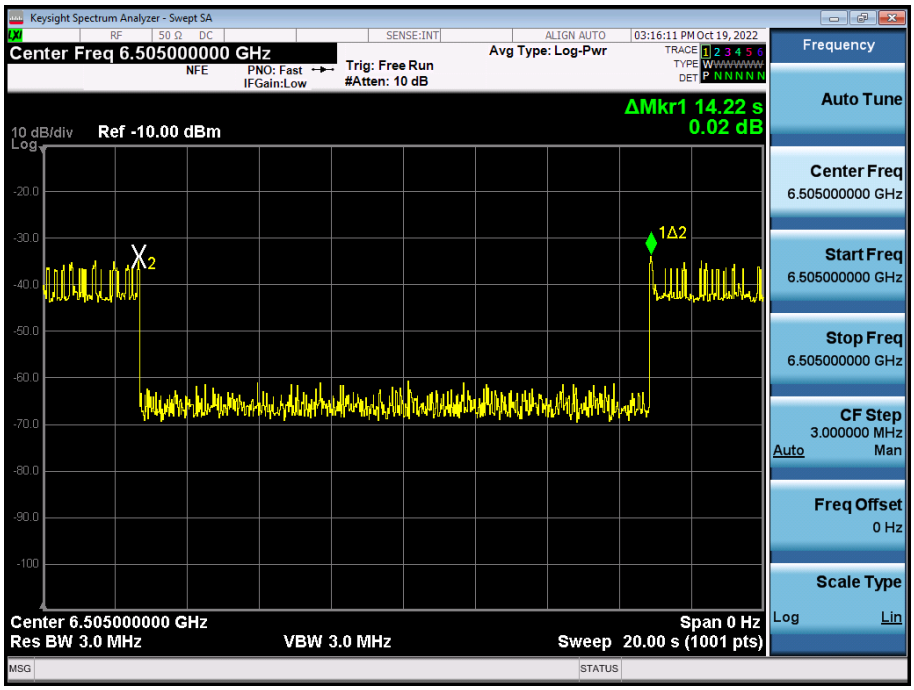


802.11ax HE160 Ch.47(6185 MHz) Detection Level

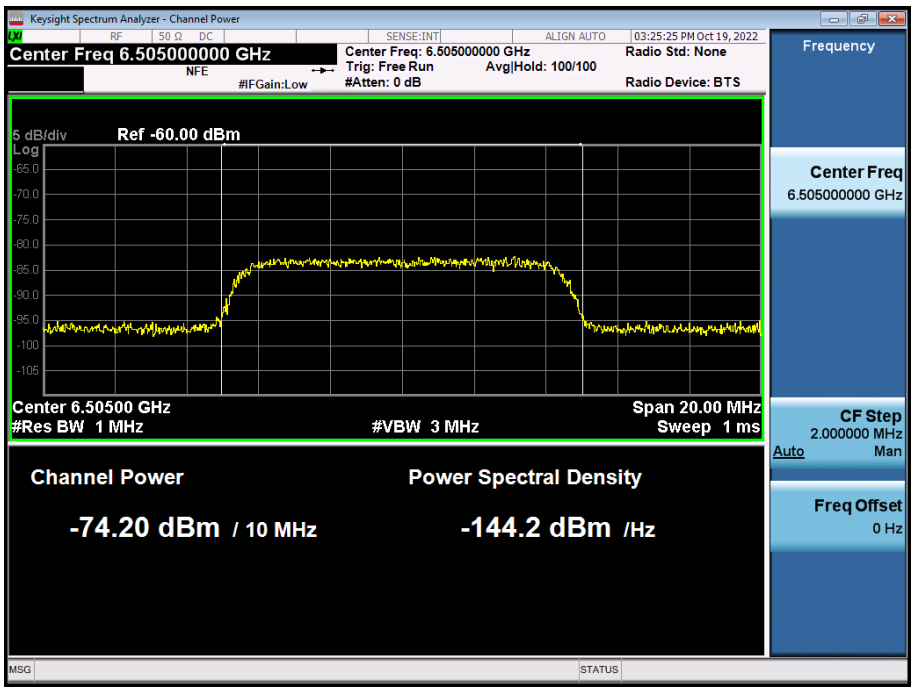


UNII 6

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

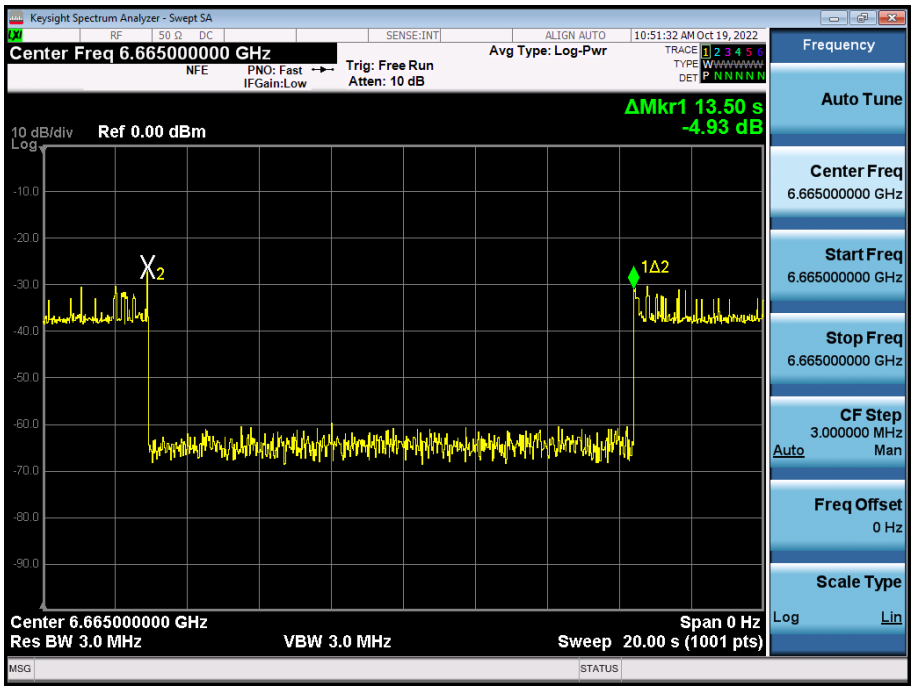


802.11ax HE160 Ch.111(6505 MHz) Detection Level

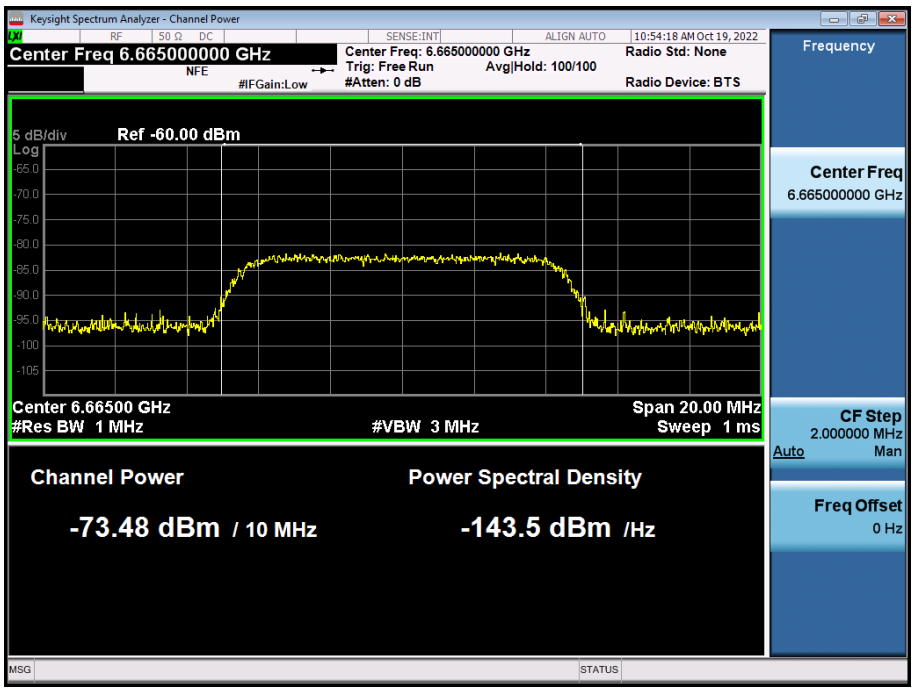


UNII 7

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

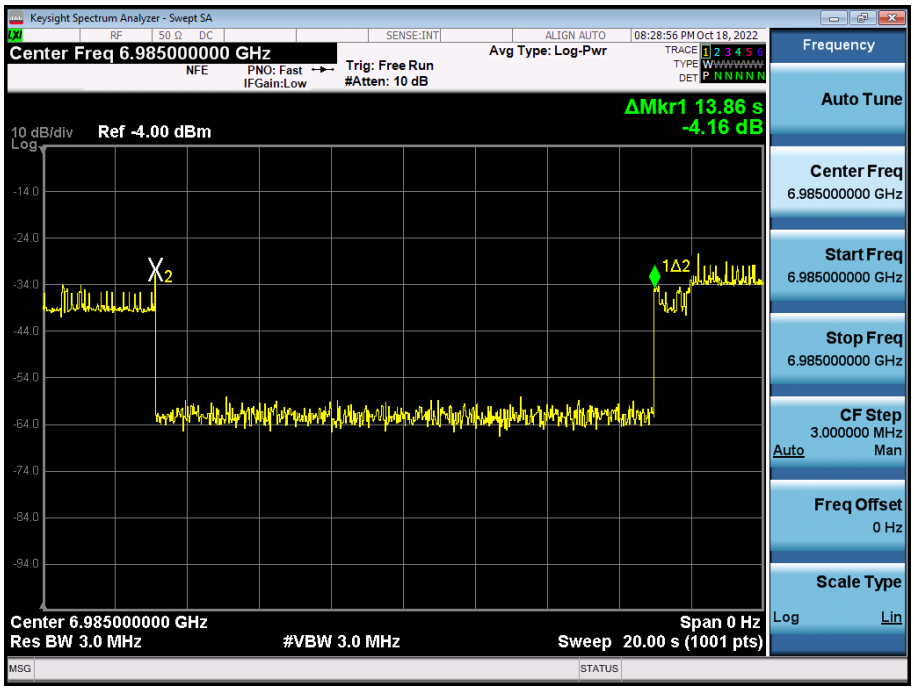


802.11ax HE160 Ch.143(6665 MHz) Detection Level



UNII 8

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



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