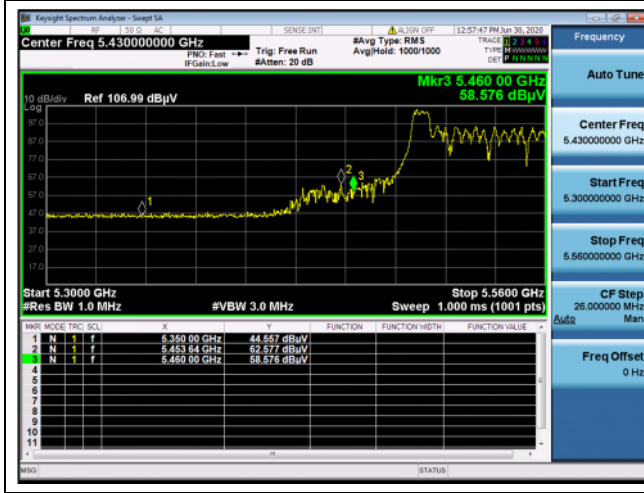
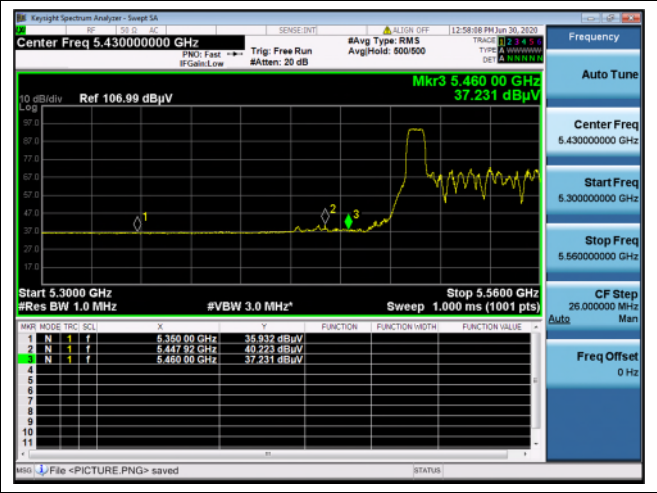


OFDMA: 802.11ax_HE80 Band 2C_106T

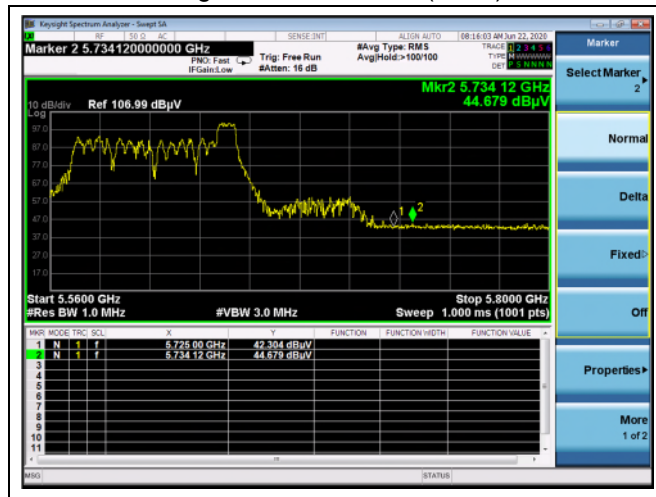
Low channel_53 RU (Peak)



Low channel_53 RU (Average)



High channel_60 RU (Peak)



OFDMA: 802.11ax_HE80 Band 3_106T

Middle channel_53 RU (Peak)

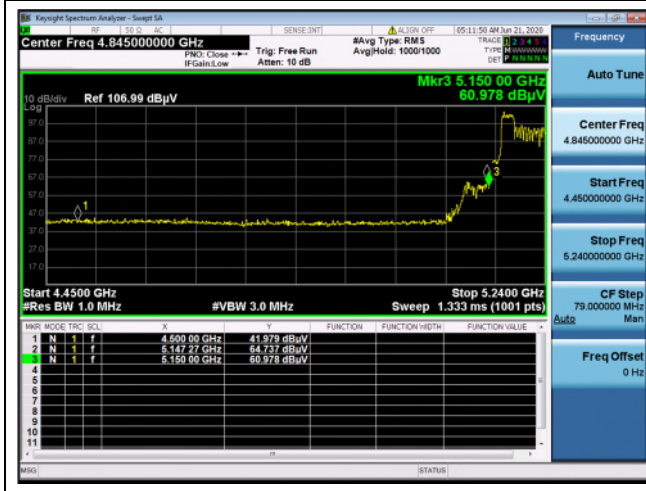


Middle channel_60 RU (Peak)



OFDMA: 802.11ax_HE80 Band 1_242T

Middle channel_61 RU (Peak)

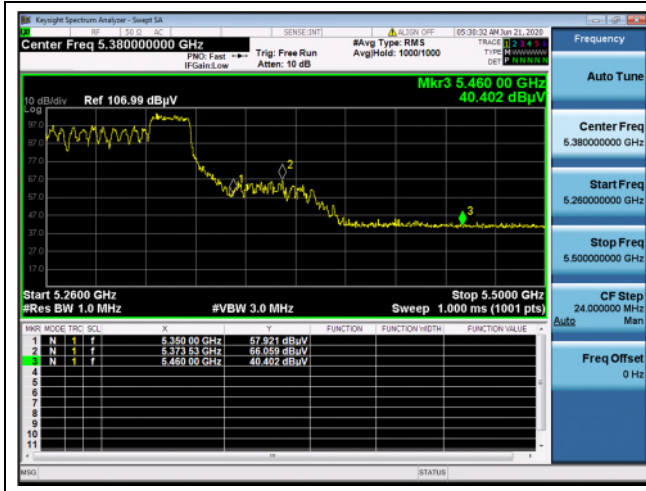


Middle channel_61 RU (Average)

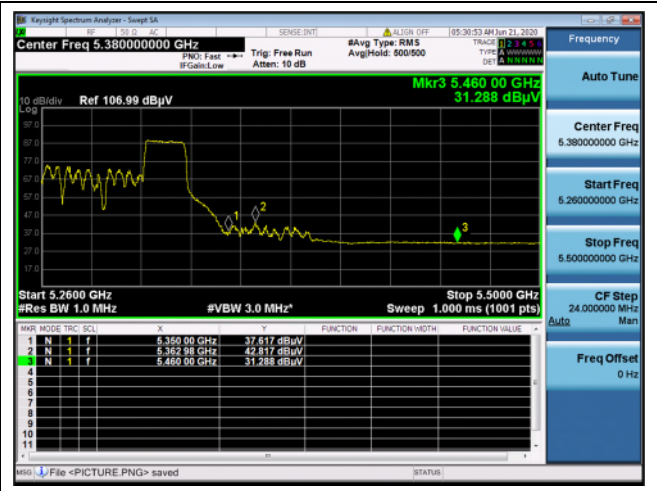


OFDMA: 802.11ax_HE80 Band 2A_242T

Middle channel_64 RU (Peak)

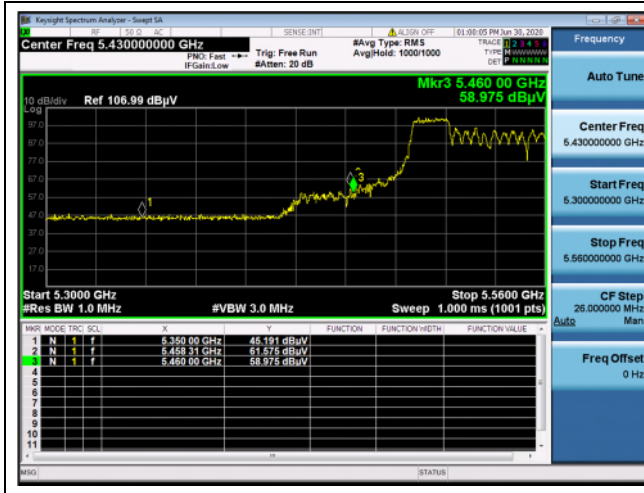


Middle channel_64 RU (Average)

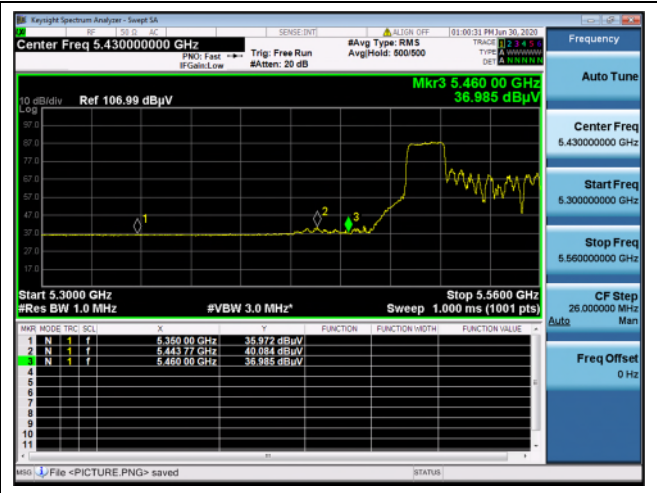


OFDMA: 802.11ax_HE80 Band 2C_242T

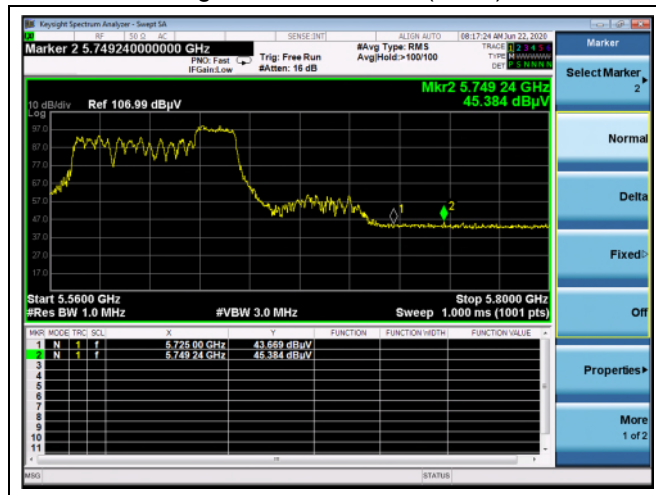
Low channel_61 RU (Peak)



Low channel_61 RU (Average)



High channel_64 RU (Peak)



OFDMA: 802.11ax_HE80 Band 3_242T

Middle channel_61 RU (Peak)

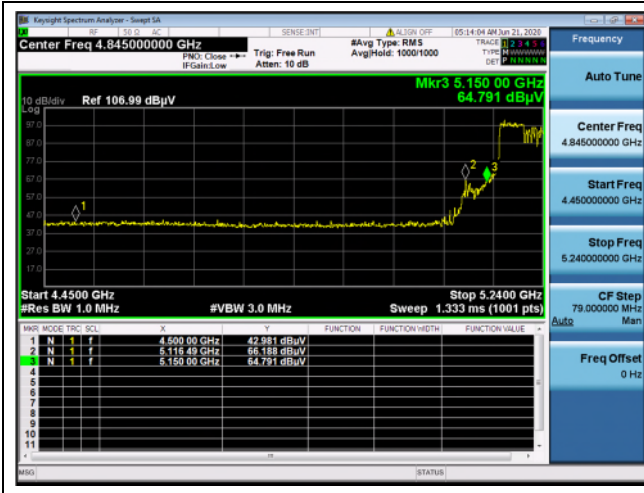


Middle channel_64 RU (Peak)



OFDMA: 802.11ax_HE80 Band 1_484T

Middle channel_65 RU (Peak)

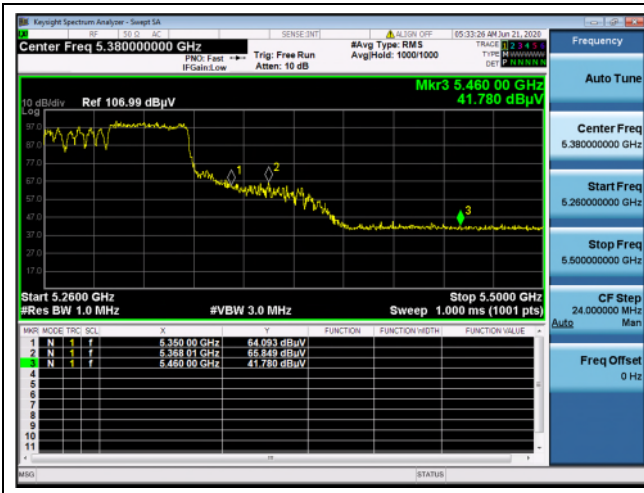


Middle channel_65 RU (Average)



OFDMA: 802.11ax_HE80 Band 2A_484T

Middle channel_66 RU (Peak)

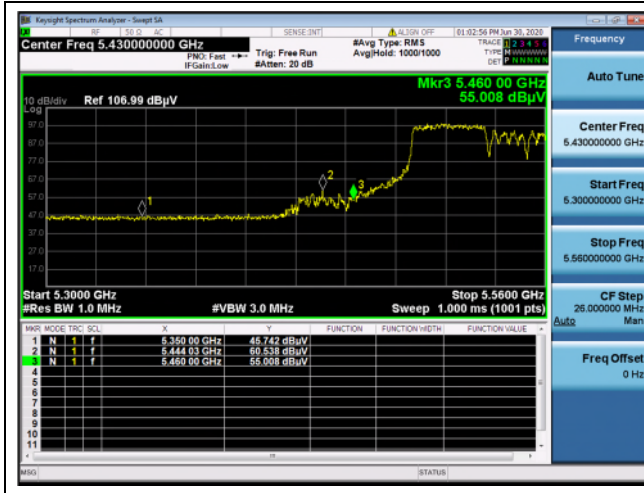


Middle channel_66 RU (Average)

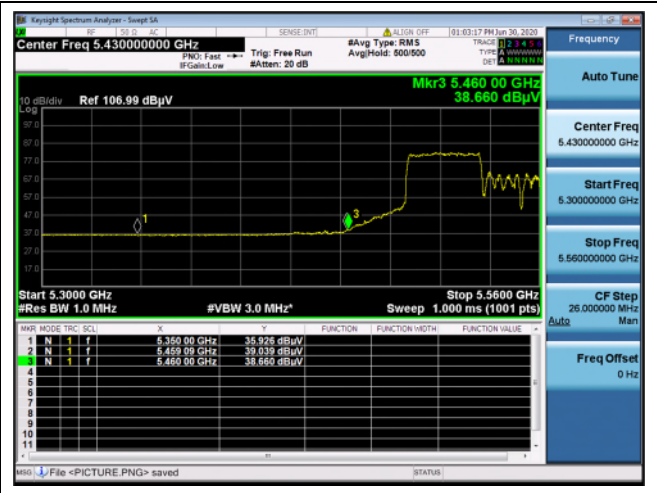


OFDMA: 802.11ax_HE80 Band 2C_484T

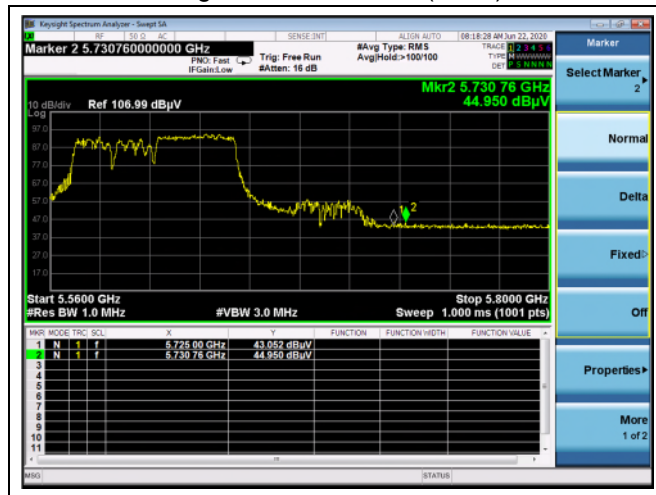
Low channel_65 RU (Peak)



Low channel_65 RU (Average)



High channel_66 RU (Peak)



OFDMA: 802.11ax_HE80 Band 3_484T

Middle channel_65 RU (Peak)

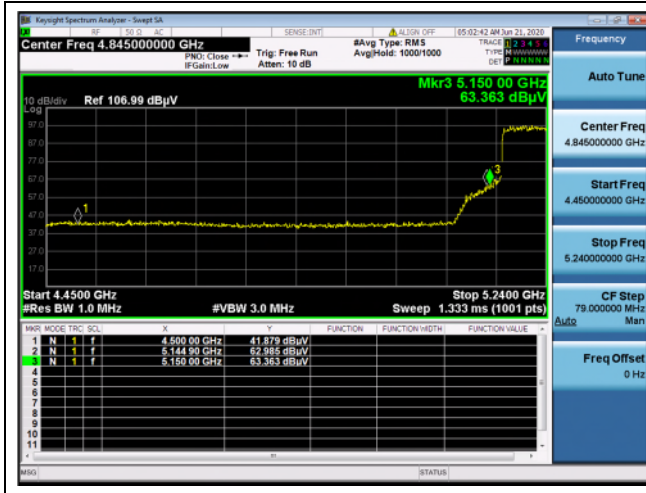


Middle channel_66 RU (Peak)

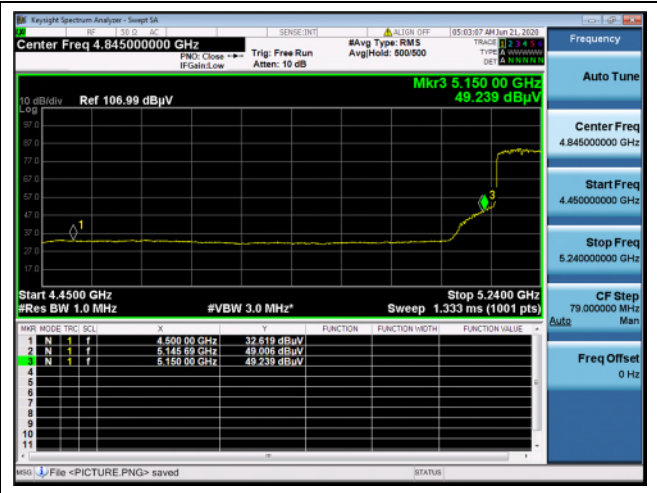


OFDMA: 802.11ax_HE80 Band 1_SU

Middle channel (Peak)

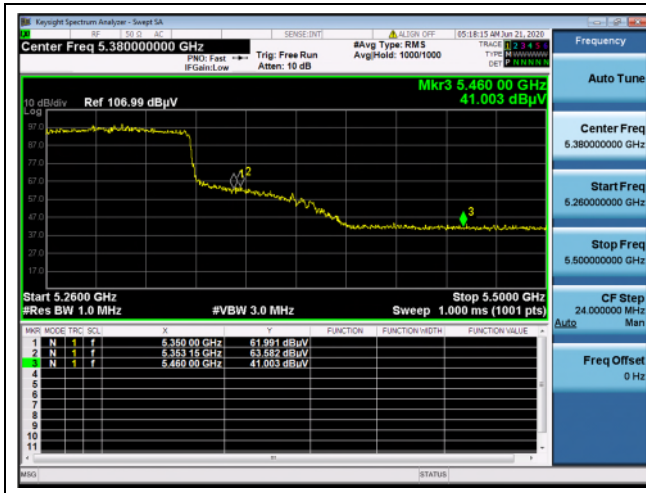


Middle channel (Average)



OFDMA: 802.11ax_HE80 Band 2A_SU

Middle channel (Peak)

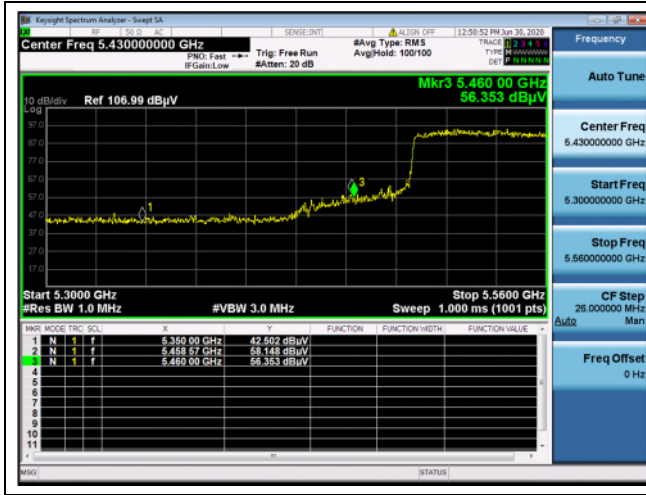


Middle channel (Average)

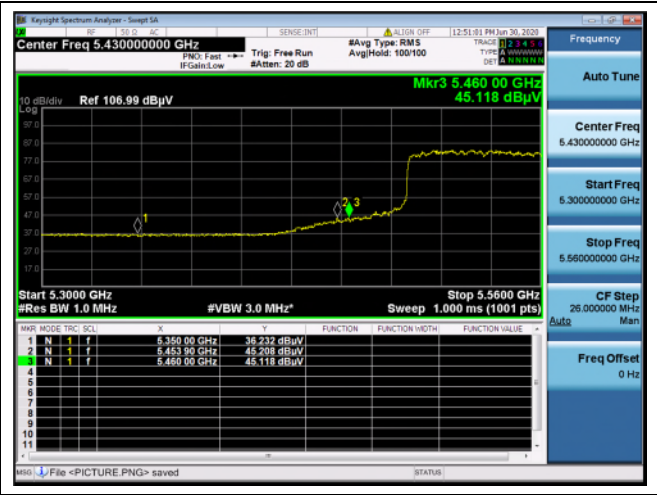


OFDMA: 802.11ax_HE80 Band 2C_SU

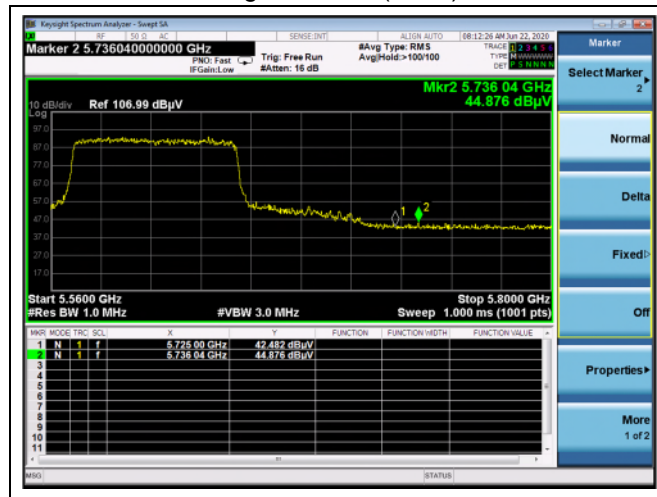
Low channel (Peak)



Low channel (Average)



High channel (Peak)



OFDMA: 802.11ax_HE80 Band 3_SU

Middle channel (Peak)



Middle channel (Peak)



3. 26 dB Bandwidth

3.1. Test Setup



3.2. Limit

None; for reporting purpose only.

3.3. Test Procedure

All data rates and modes were investigated for this test. The full data for the worst case data rate are reported in this section.

1. This measurement settings are specified in section II.C.1 of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = approximately 1 % of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1 %.

3.4. Test Result

Ambient temperature : (23 ± 1) °C
 Relative humidity : 47 % R.H.

11ax_HE20

Band	Tones	RU offset	Channel	Frequency (MHz)	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U_NII 1	26T	0	Low	5 180	19.600	19.950
			Middle	5 220	19.790	19.710
			High	5 240	19.520	20.000
		4	Low	5 180	18.500	18.560
			Middle	5 220	18.160	18.580
			High	5 240	18.460	18.380
		8	Low	5 180	19.490	19.870
			Middle	5 220	19.640	19.950
			High	5 240	19.510	20.090
	52T	37	Low	5 180	19.820	20.020
			Middle	5 220	19.490	20.100
			High	5 240	19.950	20.100
		38	Low	5 180	18.270	18.730
			Middle	5 220	18.250	19.010
			High	5 240	18.430	18.780
		40	Low	5 180	19.870	19.860
			Middle	5 220	19.470	20.110
			High	5 240	19.450	20.030
	106T	53	Low	5 180	18.610	20.290
			Middle	5 220	19.930	20.130
			High	5 240	20.580	20.350
		54	Low	5 180	20.070	20.270
			Middle	5 220	19.790	20.360
			High	5 240	19.890	20.240
	SU	-	Low	5 180	20.810	20.740
			Middle	5 220	21.050	20.860
			High	5 240	20.410	20.440

Band	Tones	RU offset	Channel	Frequency (MHz)	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U_NII 2A	26T	0	Low	5 260	19.530	19.980
			Middle	5 300	19.670	20.100
			High	5 320	19.770	19.710
		4	Low	5 260	18.320	18.540
			Middle	5 300	18.360	18.360
			High	5 320	18.260	18.530
		8	Low	5 260	19.100	19.970
			Middle	5 300	18.810	20.020
			High	5 320	19.230	19.910
	52T	37	Low	5 260	19.950	19.940
			Middle	5 300	19.990	20.190
			High	5 320	19.830	20.240
		38	Low	5 260	18.480	18.920
			Middle	5 300	18.550	18.600
			High	5 320	18.500	18.910
		40	Low	5 260	19.720	19.420
			Middle	5 300	19.690	20.100
			High	5 320	19.610	19.640
	106T	53	Low	5 260	19.760	20.430
			Middle	5 300	20.410	20.240
			High	5 320	20.200	20.670
		54	Low	5 260	20.230	20.480
			Middle	5 300	19.650	20.180
			High	5 320	19.750	20.320
	SU	-	Low	5 260	20.750	20.690
			Middle	5 300	20.830	20.470
			High	5 320	20.550	20.580

Band	Tones	RU offset	Channel	Frequency (MHz)	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 2C	26T	0	Low	5 500	19.580	19.900
			Middle	5 580	19.830	19.990
			High	5 700	19.680	19.820
		4	Low	5 500	18.520	18.050
			Middle	5 580	18.340	18.370
			High	5 700	18.390	18.550
		8	Low	5 500	19.440	19.690
			Middle	5 580	18.850	19.940
			High	5 700	19.560	19.950
	52T	37	Low	5 500	19.490	20.250
			Middle	5 580	19.550	19.900
			High	5 700	19.810	19.970
		38	Low	5 500	18.590	18.600
			Middle	5 580	18.600	18.790
			High	5 700	18.250	18.590
		40	Low	5 500	19.490	20.180
			Middle	5 580	19.600	20.190
			High	5 700	18.660	19.740
	106T	53	Low	5 500	20.320	20.700
			Middle	5 580	20.230	19.830
			High	5 700	20.380	20.590
		54	Low	5 500	19.930	20.280
			Middle	5 580	20.270	20.340
			High	5 700	20.210	20.350
	SU	-	Low	5 500	20.560	20.720
			Middle	5 580	20.670	20.710
			High	5 700	20.800	20.830

Band	Tones	RU offset	Channel	Frequency (MHz)	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 3	26T	0	Low	5 745	19.190	19.970
			Middle	5 785	19.850	20.050
			High	5 825	19.290	20.020
		4	Low	5 745	18.360	18.630
			Middle	5 785	17.500	18.540
			High	5 825	18.070	18.000
		8	Low	5 745	19.410	19.560
			Middle	5 785	18.660	19.820
			High	5 825	19.720	19.910
	52T	37	Low	5 745	19.740	19.920
			Middle	5 785	19.780	19.810
			High	5 825	19.760	20.010
		38	Low	5 745	18.490	18.730
			Middle	5 785	18.340	18.680
			High	5 825	18.550	18.820
		40	Low	5 745	19.340	19.690
			Middle	5 785	19.710	19.920
			High	5 825	19.670	19.970
	106T	53	Low	5 745	19.930	20.970
			Middle	5 785	20.420	20.490
			High	5 825	20.100	20.340
		54	Low	5 745	20.130	20.390
			Middle	5 785	20.050	20.230
			High	5 825	20.080	20.230
	SU	-	Low	5 745	20.810	20.890
			Middle	5 785	20.890	21.040
			High	5 825	20.750	20.440

- Straddle channel

Band	Frequency (MHz)	Channel	Tones	RU offset	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 2C	5 720	Straddle	26T	0	19.640	19.480
				4	18.330	18.200
			52T	37	19.790	19.860
				38	18.680	18.340
			106T	53	20.450	20.100
				54	14.560	14.200
			SU	-	15.480	15.600

11ax_HE40

Band	Tones	RU offset	Channel	Frequency (MHz)	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 1	26T	0	Low	5 190	39.540	40.090
			High	5 230	39.820	39.680
		9	Low	5 190	37.930	36.420
			High	5 230	38.000	37.940
		17	Low	5 190	39.820	39.600
			High	5 230	39.730	40.120
	52T	37	Low	5 190	39.680	39.160
			High	5 230	40.050	40.210
		41	Low	5 190	38.140	37.660
			High	5 230	38.170	38.160
		44	Low	5 190	39.700	38.750
			High	5 230	39.670	39.700
	106T	53	Low	5 190	39.450	39.650
			High	5 230	39.710	38.760
		54	Low	5 190	38.380	37.160
			High	5 230	38.260	38.050
		56	Low	5 190	39.850	39.570
			High	5 230	39.880	39.660
	242T	61	Low	5 190	40.430	41.300
			High	5 230	40.590	40.960
62		Low	5 190	40.370	40.650	
		High	5 230	40.700	41.030	
SU	-	Low	5 190	40.200	39.990	
		High	5 230	40.110	39.880	
U-NII 2A	26T	0	Low	5 270	39.820	40.020
			High	5 310	39.920	39.900
		9	Low	5 270	37.990	37.890
			High	5 310	38.020	38.060
		17	Low	5 270	39.600	39.900
			High	5 310	39.840	39.630
	52T	37	Low	5 270	40.010	38.210
			High	5 310	39.820	39.960
		41	Low	5 270	37.290	37.660
			High	5 310	38.100	38.130
		44	Low	5 270	39.500	39.730
			High	5 310	39.540	39.700
	106T	53	Low	5 270	39.860	39.650
			High	5 310	39.880	39.700
		54	Low	5 270	38.570	38.140
			High	5 310	38.710	38.560
		56	Low	5 270	39.790	39.410
			High	5 310	39.990	39.430
	242T	61	Low	5 270	40.850	40.430
			High	5 310	40.680	40.870
62		Low	5 270	40.630	38.990	
		High	5 310	40.750	40.610	
SU	-	Low	5 270	39.620	40.100	
		High	5 310	39.930	39.850	

Band	Tones	RU offset	Channel	Frequency (MHz)	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 2C	26T	0	Low	5 510	39.950	39.750
			Middle	5 590	39.690	39.490
			High	5 670	39.760	39.800
		9	Low	5 510	38.070	38.010
			Middle	5 590	38.000	37.940
			High	5 670	37.620	38.010
		17	Low	5 510	39.690	40.070
			Middle	5 590	39.890	39.620
			High	5 670	39.720	39.880
	52T	37	Low	5 510	39.730	38.920
			Middle	5 590	38.860	39.920
			High	5 670	39.900	39.940
		41	Low	5 510	38.090	37.010
			Middle	5 590	38.120	37.730
			High	5 670	38.250	38.030
		44	Low	5 510	39.760	39.680
			Middle	5 590	39.830	39.770
			High	5 670	39.640	39.830
	106T	53	Low	5 510	39.910	40.020
			Middle	5 590	40.340	39.880
			High	5 670	39.810	39.910
		54	Low	5 510	38.240	38.290
			Middle	5 590	38.420	38.320
			High	5 670	38.500	38.570
		56	Low	5 510	39.950	39.800
			Middle	5 590	40.030	40.040
			High	5 670	40.650	40.190
	242T	61	Low	5 510	40.780	40.020
			Middle	5 590	40.330	40.840
			High	5 670	40.720	41.270
		62	Low	5 510	40.550	40.840
			Middle	5 590	40.630	41.000
			High	5 670	40.820	40.820
SU	-	Low	5 510	39.680	39.930	
		Middle	5 590	39.730	39.960	
		High	5 670	39.830	39.810	

Mode	Tones	RU offset	Channel	Frequency (MHz)	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 3	26T	0	Low	5 755	39.790	39.860
			High	5 795	39.710	39.830
		9	Low	5 755	38.030	38.010
			High	5 795	37.550	36.860
		17	Low	5 755	39.860	39.840
			High	5 795	39.920	39.740
	52T	37	Low	5 755	39.820	39.780
			High	5 795	39.910	39.860
		41	Low	5 755	38.130	38.210
			High	5 795	38.110	38.170
		44	Low	5 755	39.590	39.780
			High	5 795	39.910	39.660
	106T	53	Low	5 755	39.970	39.820
			High	5 795	39.620	39.670
		54	Low	5 755	38.680	38.590
			High	5 795	38.160	38.380
		56	Low	5 755	40.460	40.200
			High	5 795	40.160	39.970
	242T	61	Low	5 755	40.740	40.800
			High	5 795	40.950	40.030
		62	Low	5 755	40.470	40.820
			High	5 795	40.550	40.970
	SU	-	Low	5 755	40.040	40.140
			High	5 795	39.540	39.860

- Straddle channel

Band	Frequency (MHz)	Channel	Tones	RU offset	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 2C	5 710	Straddle	26T	0	39.790	39.910
				9	37.850	37.990
			52T	37	39.550	40.070
				41	37.930	38.170
			106T	53	39.930	39.860
				54	38.340	38.310
				56	34.280	34.040
			242T	61	40.530	40.730
				62	34.440	34.520
			SU	-	35.000	35.080

11ax_HE80

Band	Tones	RU offset	Channel	Frequency (MHz)	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 1	26T	0	Middle	5 210	81.410	81.140
		18			78.430	78.150
		36			81.220	81.860
	52T	37			81.870	81.800
		45			78.630	78.640
		52			81.930	82.350
	106T	53			81.940	83.330
		57			79.530	79.460
		60			82.000	82.360
	242T	61			82.930	82.980
		62			81.300	79.270
		64			82.940	83.290
	484T	65			82.820	83.160
		66			83.320	82.680
	SU	-			81.030	80.560
	U-NII 2A	26T			0	Middle
18			78.430	78.270		
36			82.210	80.780		
52T		37	82.380	81.890		
		45	78.590	78.660		
		52	81.080	82.610		
106T		53	82.490	81.810		
		57	75.260	80.080		
		60	81.600	82.000		
242T		61	82.480	82.190		
		62	79.440	78.600		
		64	82.710	82.240		
484T		65	84.190	82.650		
		66	83.340	83.780		
SU		-	81.140	81.340		

Band	Tones	RU offset	Channel	Frequency (MHz)	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 2C	26T	0	Low	5 530	82.320	81.670
			High	5 610	80.460	81.580
		18	Low	5 530	78.510	78.200
			High	5 610	78.450	78.380
		36	Low	5 530	81.160	81.180
			High	5 610	81.330	81.640
	52T	37	Low	5 530	81.570	81.370
			High	5 610	81.600	81.380
		45	Low	5 530	78.520	78.910
			High	5 610	78.720	78.520
		52	Low	5 530	81.930	81.980
			High	5 610	82.400	82.240
	106T	53	Low	5 530	82.530	82.570
			High	5 610	82.550	83.240
		57	Low	5 530	78.650	79.020
			High	5 610	79.220	78.970
		60	Low	5 530	83.580	81.500
			High	5 610	81.850	82.460
	242T	61	Low	5 530	82.500	83.740
			High	5 610	82.680	82.120
		62	Low	5 530	78.530	79.850
			High	5 610	79.500	79.860
		64	Low	5 530	83.090	83.310
			High	5 610	81.790	83.240
	484T	65	Low	5 530	82.520	83.300
			High	5 610	83.140	83.690
		66	Low	5 530	82.190	83.030
			High	5 610	83.090	84.150
	SU	-	Low	5 530	81.680	81.720
			High	5 610	81.560	81.200

Mode	Tones	RU offset	Channel	Frequency (MHz)	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 3	26T	0	Middle	5 775	81.520	82.290
		18			77.680	78.180
		36			81.660	80.830
	52T	37			82.310	81.790
		45			78.420	77.740
		52			82.140	81.630
	106T	53			82.620	82.540
		57			78.840	79.480
		60			82.650	81.890
	242T	61			81.810	82.240
		62			80.040	80.440
		64			82.840	81.040
	484T	65			83.010	83.290
		66			81.390	84.520
	SU	-			81.240	82.240

- Straddle channel

Band	Frequency (MHz)	Channel	Tones	RU offset	26 dB bandwidth (MHz)	
					Ant.1	Ant.2
U-NII 2C	5690	Straddle	26T	0	81.120	82.030
				18	78.680	78.440
			52T	37	82.430	81.420
				45	78.770	78.510
			106T	53	81.940	81.420
				57	79.770	79.040
				60	74.920	74.520
			242T	61	82.290	81.980
				62	80.430	82.550
				64	75.240	74.520
			484T	65	83.590	82.220
				66	77.080	77.400
			SU	-	76.360	75.960

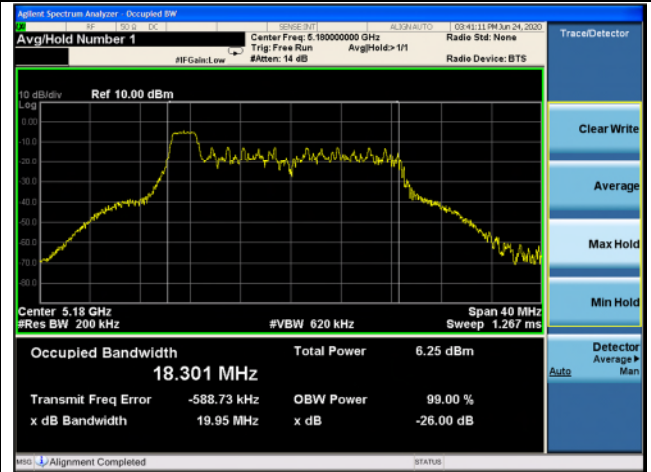
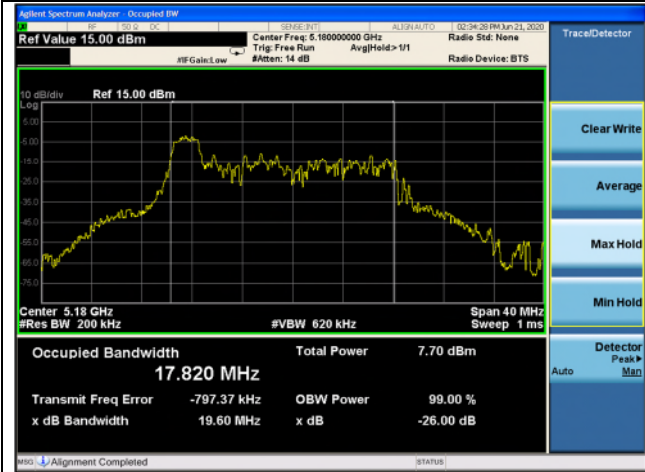
- Test plots

802.11ax_HE20 Band 1_26T_0 RU

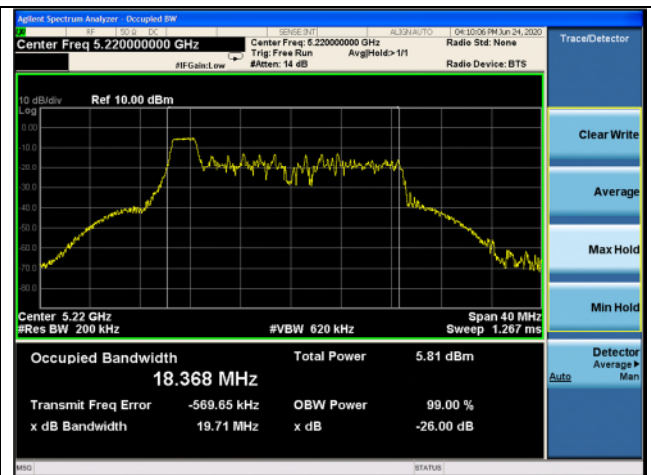
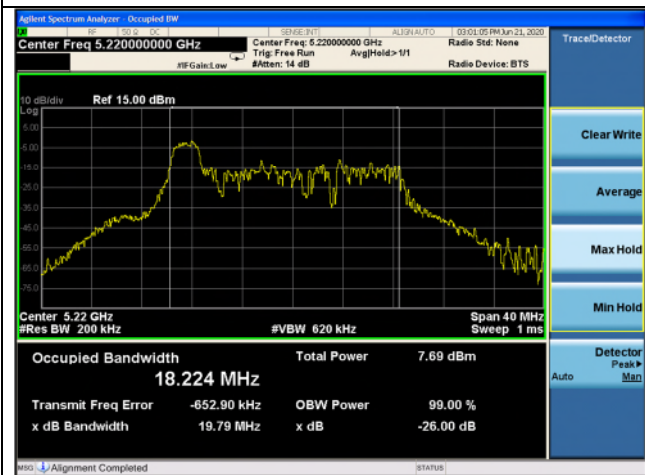
Ant.1

Ant.2

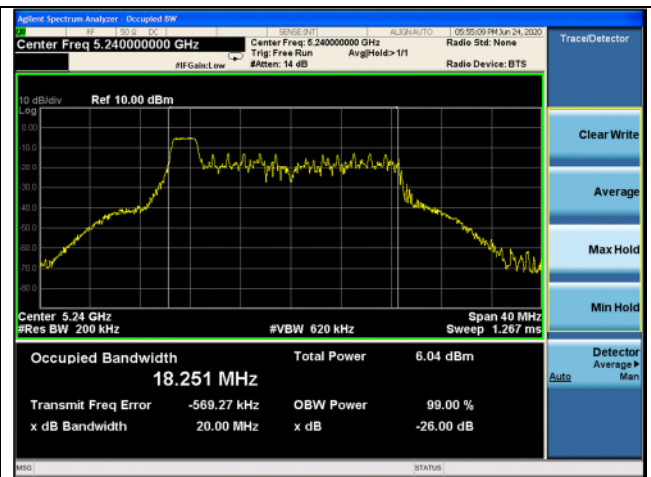
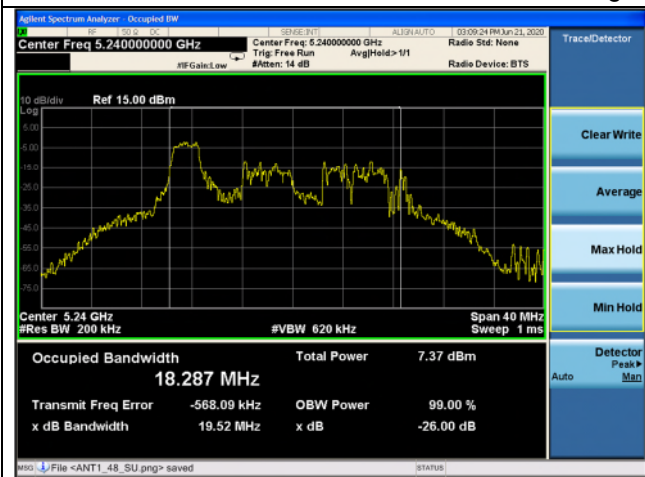
Low channel



Middle channel



High channel

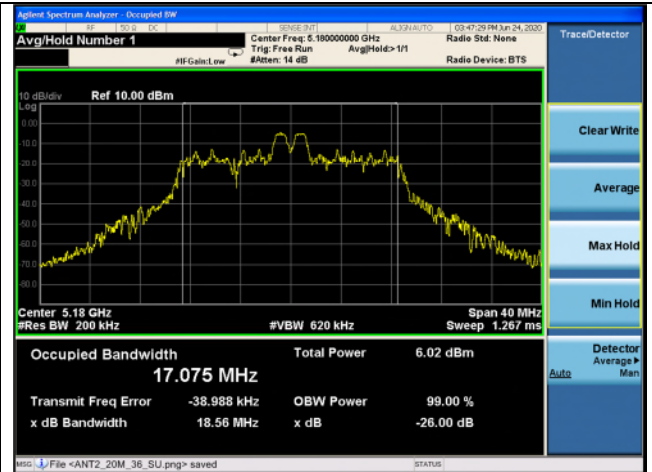
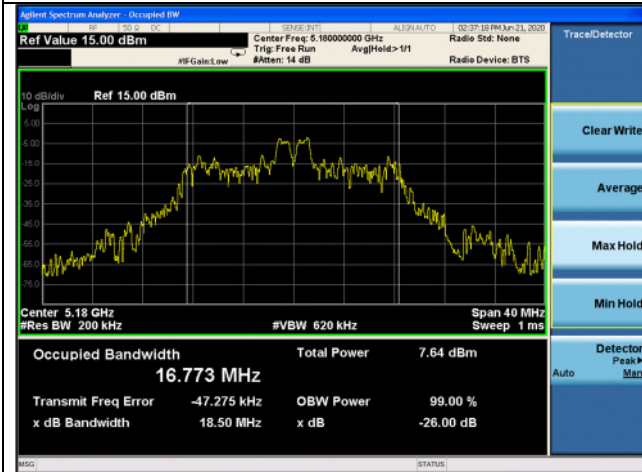


802.11ax_HE20 Band 1_26T_4 RU

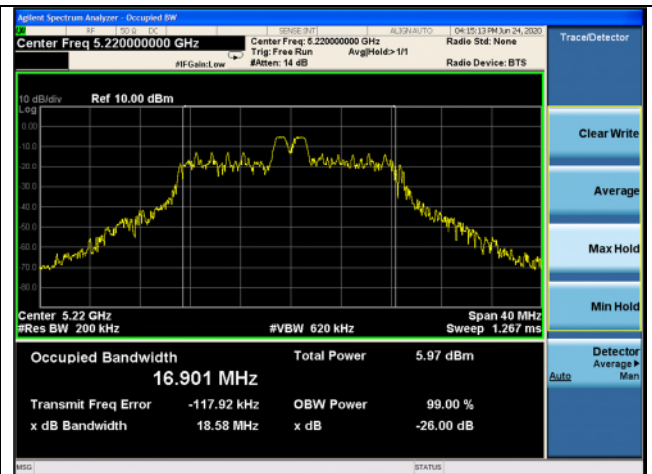
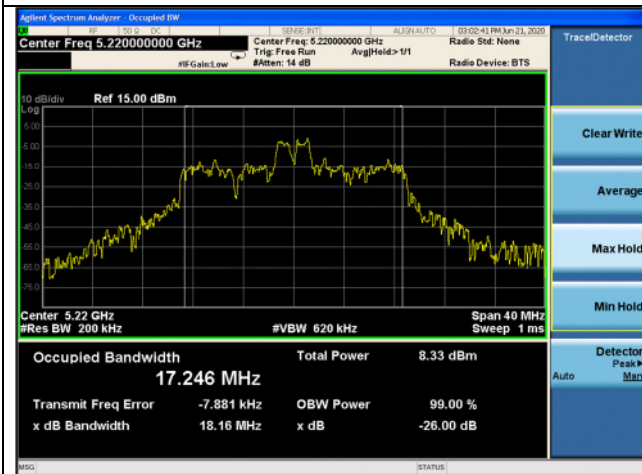
Ant.1

Ant.2

Low channel



Middle channel



High channel

