

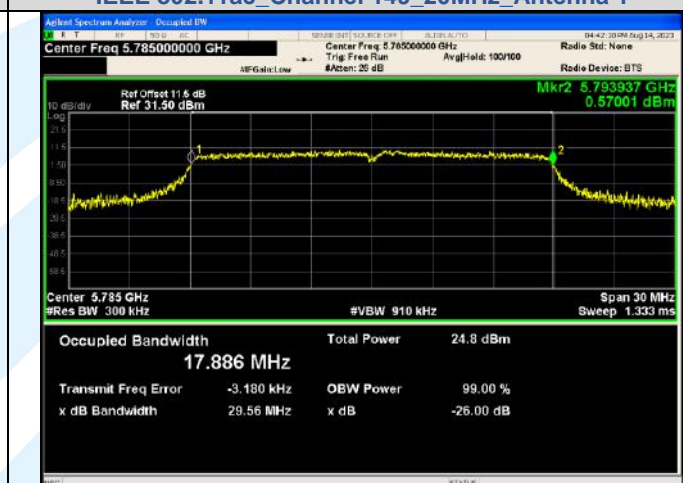
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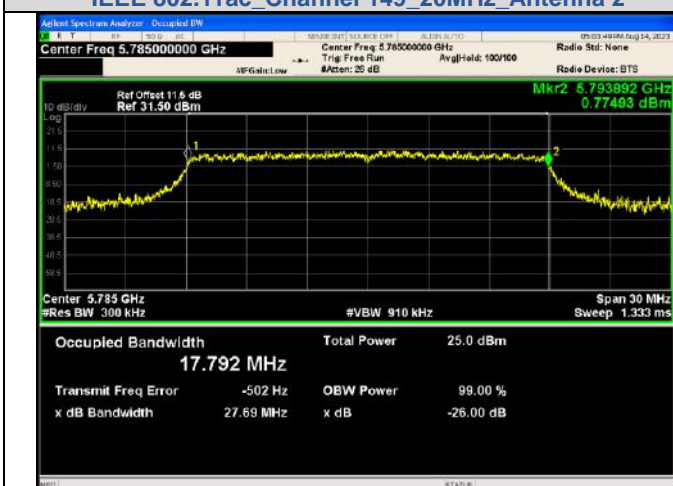
IEEE 802.11ac\_Channel 149\_20MHz\_Antenna 1



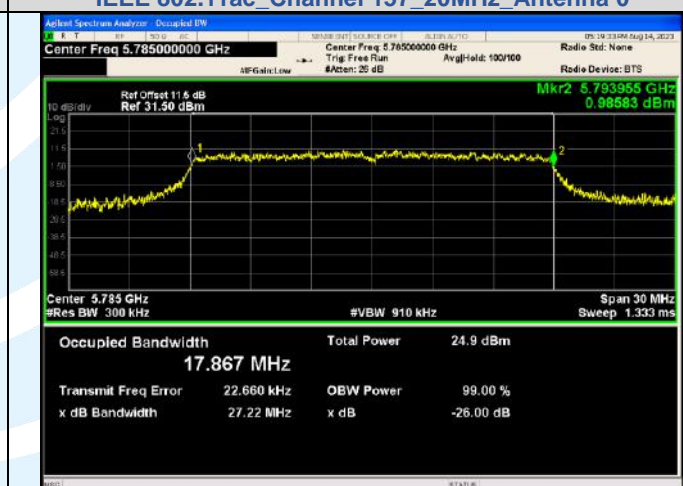
IEEE 802.11ac\_Channel 149\_20MHz\_Antenna 2



IEEE 802.11ac\_Channel 157\_20MHz\_Antenna 0



IEEE 802.11ac\_Channel 157\_20MHz\_Antenna 1



IEEE 802.11ac\_Channel 157\_20MHz\_Antenna 2

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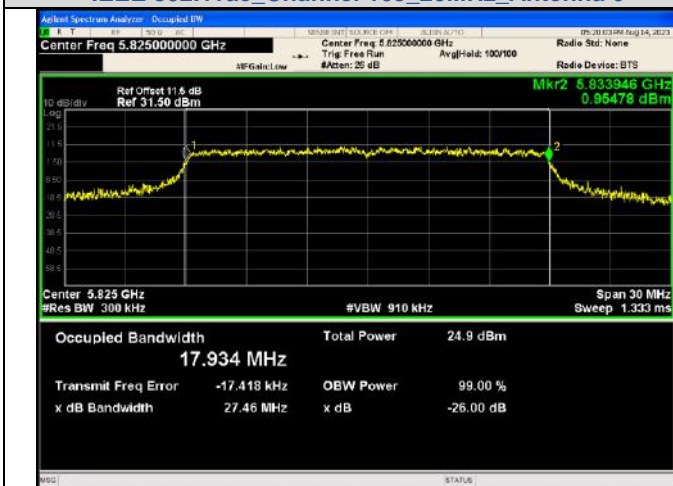
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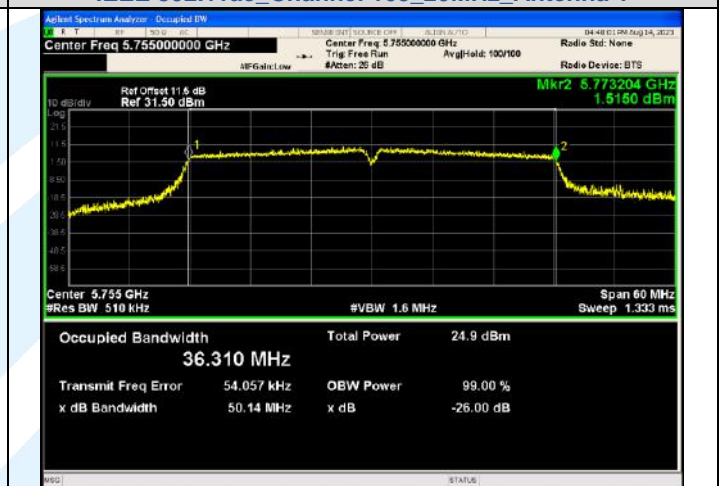
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IEEE 802.11ac\_Channel 165\_20MHz\_Antenna 1



IEEE 802.11ac\_Channel 165\_20MHz\_Antenna 2



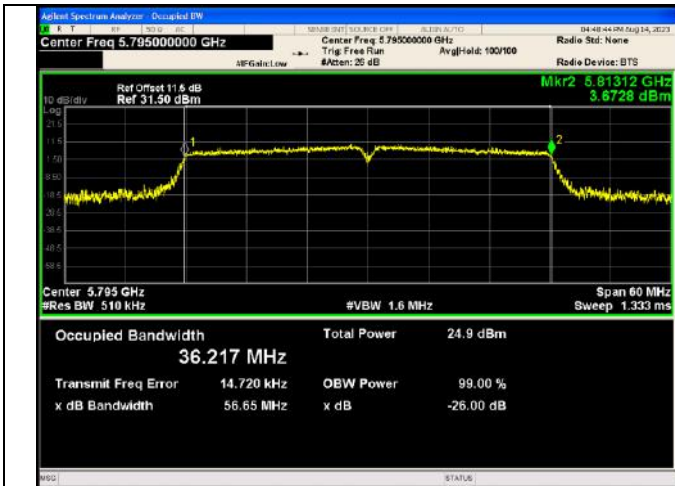
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IEEE 802.11ac\_Channel 151\_40MHz\_Antenna 1



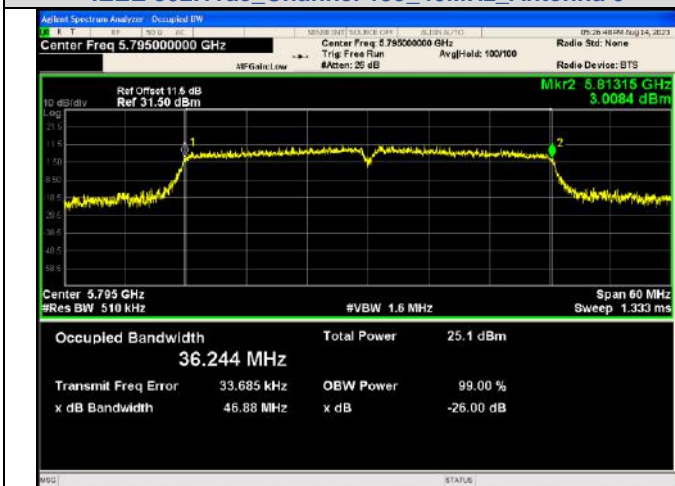
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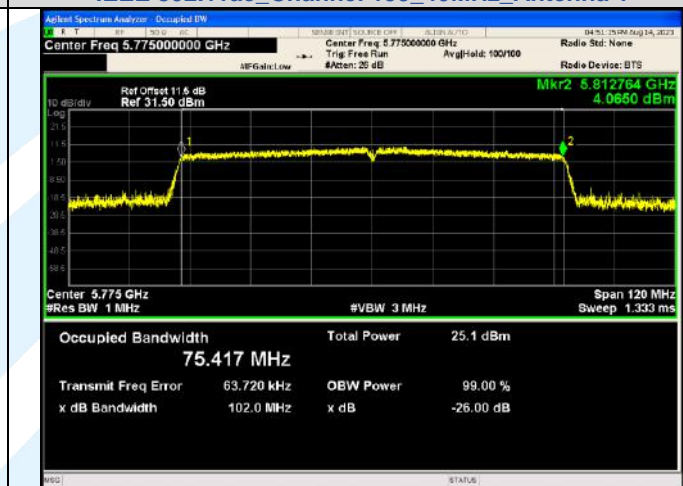
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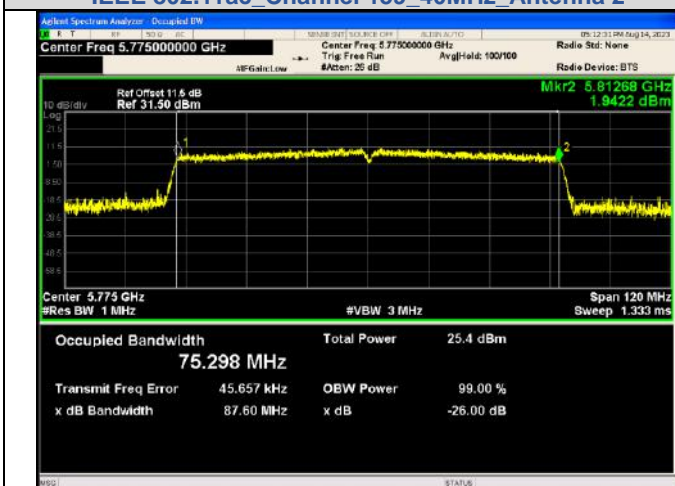
IEEE 802.11ac\_Channel 159\_40MHz\_Antenna 1



IEEE 802.11ac\_Channel 159\_40MHz\_Antenna 2



IEEE 802.11ac\_Channel 155\_80MHz\_Antenna 0



IEEE 802.11ac\_Channel 155\_80MHz\_Antenna 1



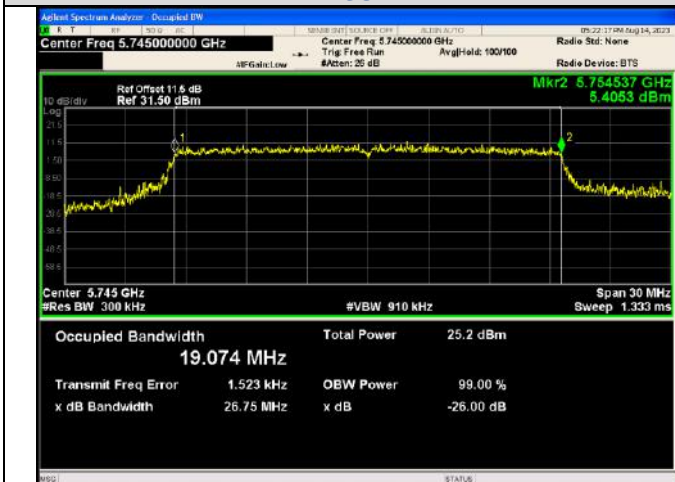
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IEEE 802.11ax\_Channel 149\_20MHz\_Antenna 0\_RU&Index SU



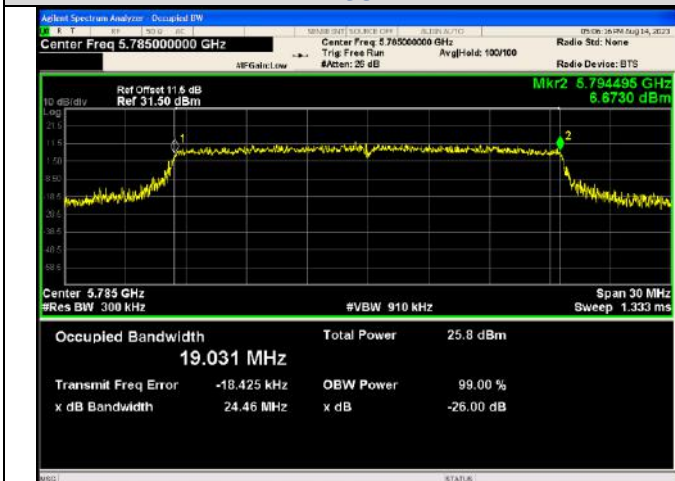
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IEEE 802.11ax\_Channel 149\_20MHz\_Antenna 2\_RU&Index SU



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IEEE 802.11ax\_Channel 157\_20MHz\_Antenna 1\_RU&Index SU



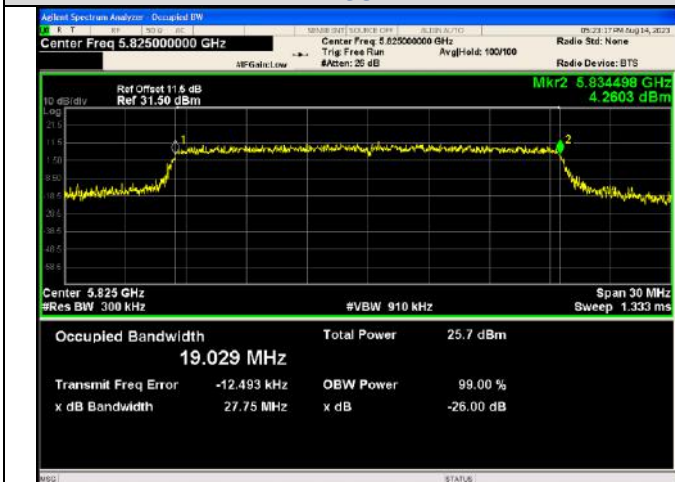
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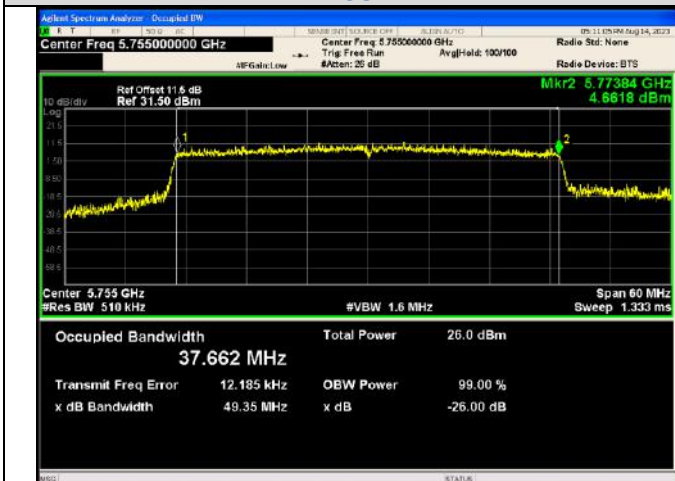
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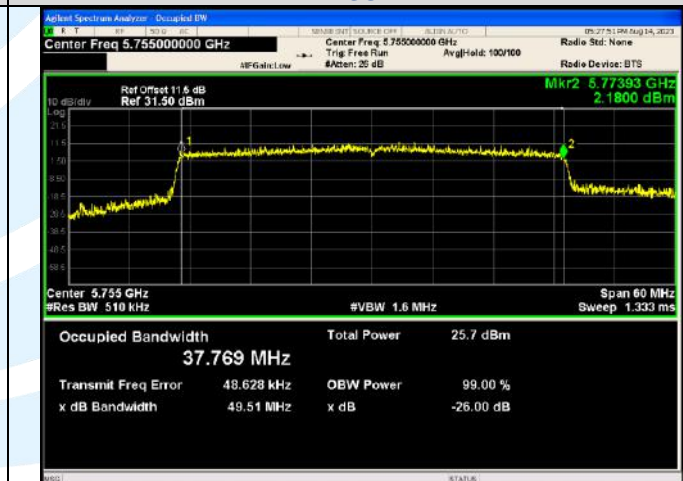
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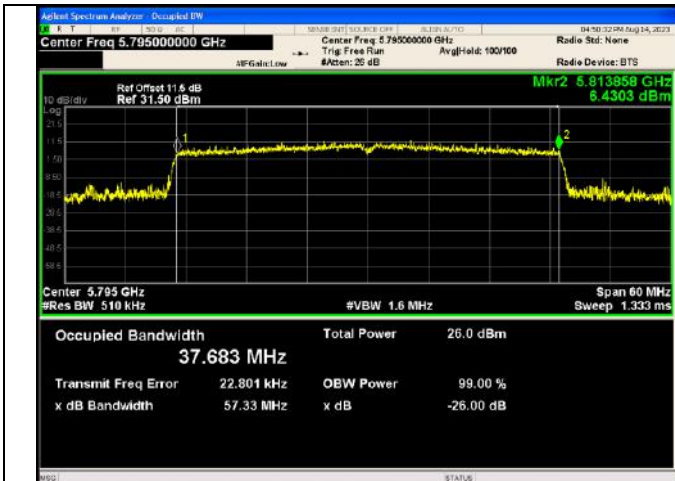
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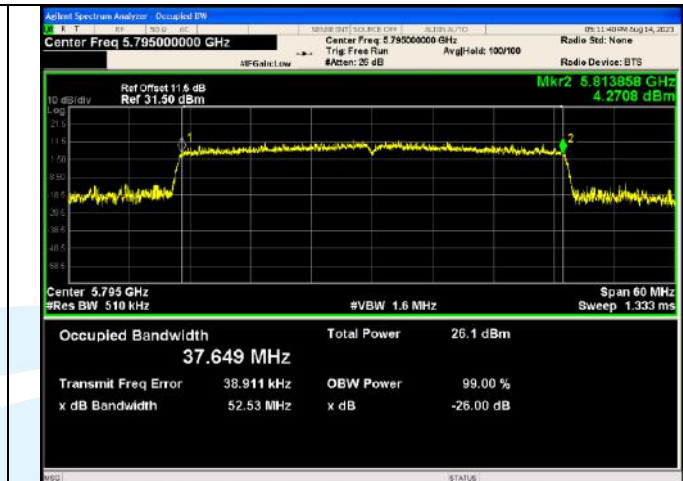
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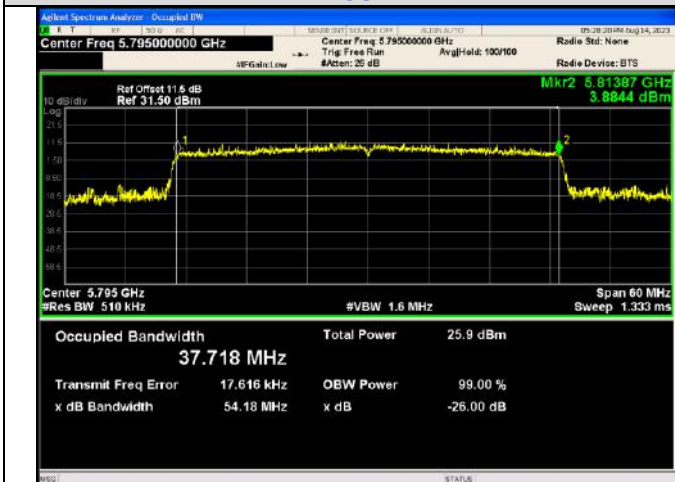
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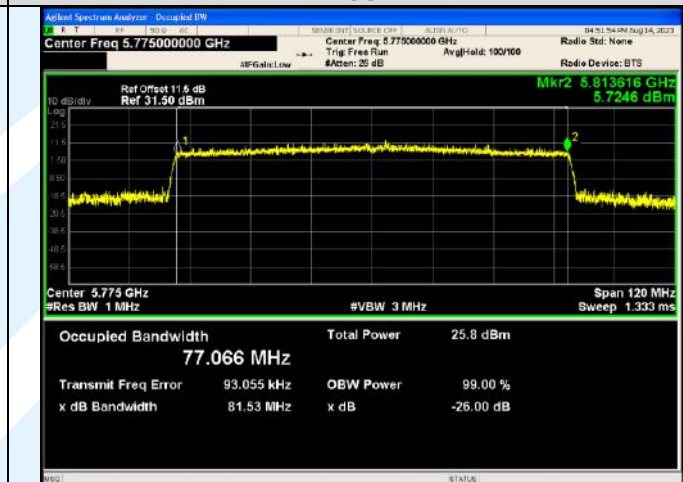
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IEEE 802.11ax\_Channel 159\_40MHz\_Antenna 1\_RU&Index SU



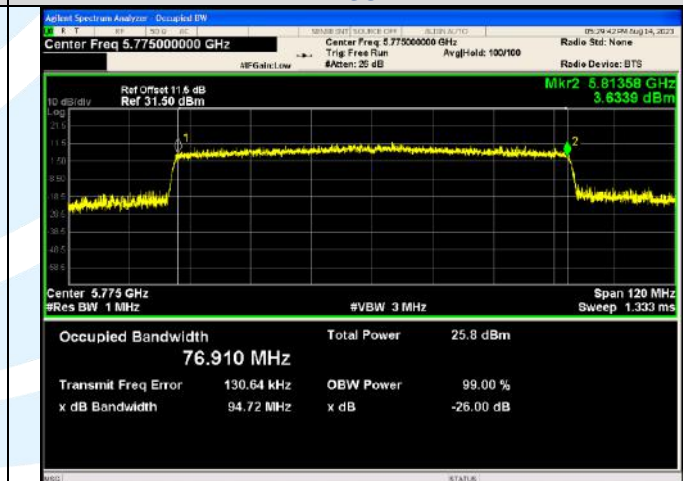
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna 2\_RU&Index SU



IEEE 802.11ax\_Channel 155\_80MHz\_Antenna 0\_RU&Index SU



IEEE 802.11ax\_Channel 155\_80MHz\_Antenna 1\_RU&Index SU



IEEE 802.11ax\_Channel 155\_80MHz\_Antenna 2\_RU&Index SU

## A.2 26DB BANDWIDTH

For U-NII-1, U-NII-2A and U-NII-2C Band:

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	N/A	0	5180	25.61	1.04
			1	5180	27.48	1.09
			2	5180	25.59	1.17
	44		0	5220	20.81	1.09
			1	5220	20.34	1.12
			2	5220	20.01	1.14
	48		0	5240	19.78	1.12
			1	5240	19.77	1.12
			2	5240	19.84	1.1
	52		0	5260	22.13	1.19
			1	5260	23.62	1.07
			2	5260	25.06	1.2
	60		0	5300	27.49	1.09
			1	5300	27.25	1.1
			2	5300	26.69	1.12
	64		0	5320	27.21	1.1
			1	5320	26.68	1.12
			2	5320	26.98	1.11
100	0	5500	28.29	1.06		
	1	5500	27.33	1.1		
	2	5500	27.46	1.09		
116	0	5580	26.05	0.96		
	1	5580	25.39	1.18		
	2	5580	26.32	1.14		
140	0	5700	26.13	1.15		
	1	5700	25.39	1.18		
	2	5700	25.64	1.17		
IEEE 802.11n_20	36	N/A	0	5180	29.09	1.03
			1	5180	26.21	1.14
			2	5180	26.71	1.12
	44		0	5220	22.07	1.1
			1	5220	20.87	1.1
			2	5220	21.64	1.1
	48		0	5240	20.31	1.11
			1	5240	20.21	1.11
			2	5240	20.35	1.1
	52		0	5260	21.47	1.11
			1	5260	20.84	1.12
			2	5260	21.74	1.08
	60		0	5300	29.00	1.03
			1	5300	27.28	1.1
			2	5300	28.28	1.06
	64		0	5320	27.20	1.1
			1	5320	26.34	1.14
			2	5320	28.43	1.06
100	0	5500	28.18	1.06		
	1	5500	28.09	1.07		
	2	5500	26.60	1.13		
116	0	5580	21.47	1.11		
	1	5580	21.12	1.09		
	2	5580	21.36	1.11		
140	0	5700	26.23	1.14		
	1	5700	24.80	1.07		
	2	5700	26.46	1.06		
IEEE 802.11n_40	38	N/A	0	5190	49.98	1.02
			1	5190	50.17	1.02
			2	5190	47.98	1.13

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	46	0	5230	40.63	1.06
		1	5230	40.04	1.05
		2	5230	40.40	1.04
	54	0	5270	40.57	1.07
		1	5270	39.62	1.06
		2	5270	39.80	1.05
	62	0	5310	52.69	1.05
		1	5310	45.10	1.05
		2	5310	46.59	1.09
	102	0	5510	50.71	1.09
		1	5510	49.46	1.03
		2	5510	43.58	1.17
110	0	5550	40.43	1.06	
	1	5550	40.13	1.04	
	2	5550	40.31	1.04	
134	0	5670	53.14	1.07	
	1	5670	48.75	1.05	
	2	5670	48.11	1.06	
IEEE 802.11ac_20	36	0	5180	28.00	1.07
		1	5180	27.14	1.11
		2	5180	27.76	1.08
	44	0	5220	22.26	1.08
		1	5220	22.14	1.05
		2	5220	22.00	1.08
	48	0	5240	20.37	1.11
		1	5240	20.18	1.1
		2	5240	20.28	1.1
	52	0	5260	21.40	1.13
		1	5260	21.28	1.09
		2	5260	21.12	1.11
	60	0	5300	28.60	1.05
		1	5300	28.80	1.04
		2	5300	28.91	1.04
	64	0	5320	27.62	1.09
		1	5320	28.52	1.05
		2	5320	27.68	1.08
100	0	5500	29.46	1.02	
	1	5500	27.46	1.09	
	2	5500	27.18	1.1	
116	0	5580	21.53	1.11	
	1	5580	21.46	1.08	
	2	5580	21.22	1.11	
140	0	5700	27.27	1.1	
	1	5700	26.52	1.01	
	2	5700	25.17	1.19	
IEEE 802.11ac_40	38	0	5190	53.16	1.08
		1	5190	48.53	1.05
		2	5190	51.44	0.99
	46	0	5230	40.59	1.05
		1	5230	39.96	1.06
		2	5230	39.95	1.06
	54	0	5270	40.39	1.06
		1	5270	39.82	1.06
		2	5270	39.79	1.06
	62	0	5310	49.41	1.03
		1	5310	45.91	1.11
		2	5310	45.54	1.12
	102	0	5510	52.74	1.05
		1	5510	49.83	1.02
		2	5510	43.00	1.19
	110	0	5550	40.61	1.05
		1	5550	39.64	1.06
		2	5550	40.01	1.06

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	134		0	5670	56.63	1.06
			1	5670	50.59	1.08
			2	5670	42.55	1.2
IEEE 802.11ac_80	42		0	5210	105.87	1.01
			1	5210	103.97	1.02
			2	5210	103.06	1.03
	58		0	5290	99.82	1.0
			1	5290	97.86	1.02
			2	5290	98.46	1.1
	106		0	5530	99.93	1.0
			1	5530	97.09	1.09
			2	5530	90.79	1.1
IEEE 802.11ac_160	50		0	5250	200.94	1.0
			1	5250	179.15	1.12
			2	5250	202.87	1.01
	114		0	5570	168.10	1.19
			1	5570	168.78	1.18
			2	5570	169.59	1.18
IEEE 802.11ax_20	36		0	5180	25.61	1.17
			1	5180	26.43	1.14
			2	5180	27.16	1.1
	44		0	5220	21.91	1.11
			1	5220	21.34	1.11
			2	5220	21.48	1.11
	48		0	5240	19.86	1.1
			1	5240	19.80	1.11
			2	5240	19.89	1.1
	52		0	5260	22.41	1.07
			1	5260	21.31	1.11
			2	5260	21.76	1.1
	60		0	5300	27.40	1.09
			1	5300	28.67	1.05
			2	5300	27.82	1.08
	64		0	5320	25.20	1.19
			1	5320	26.75	1.12
			2	5320	23.87	1.04
	100		0	5500	25.78	1.16
			1	5500	26.55	1.13
			2	5500	25.21	1.19
116		0	5580	21.42	1.13	
		1	5580	21.40	1.11	
		2	5580	22.17	1.08	
140		0	5700	26.44	1.02	
		1	5700	25.27	1.19	
		2	5700	26.43	1.14	
IEEE 802.11ax_40	38		0	5190	45.72	1.12
			1	5190	47.09	1.19
			2	5190	51.69	1.06
	46		0	5230	39.36	1.05
			1	5230	39.36	1.05
			2	5230	39.34	1.06
	54		0	5270	39.36	1.06
			1	5270	39.36	1.06
			2	5270	39.39	1.06
	62		0	5310	48.03	1.06
			1	5310	49.91	1.02
			2	5310	50.15	1.02
	102		0	5510	49.47	1.03
			1	5510	46.83	1.14
			2	5510	50.86	1.0
110		0	5550	39.34	1.06	
		1	5550	39.48	1.05	
		2	5550	39.35	1.05	

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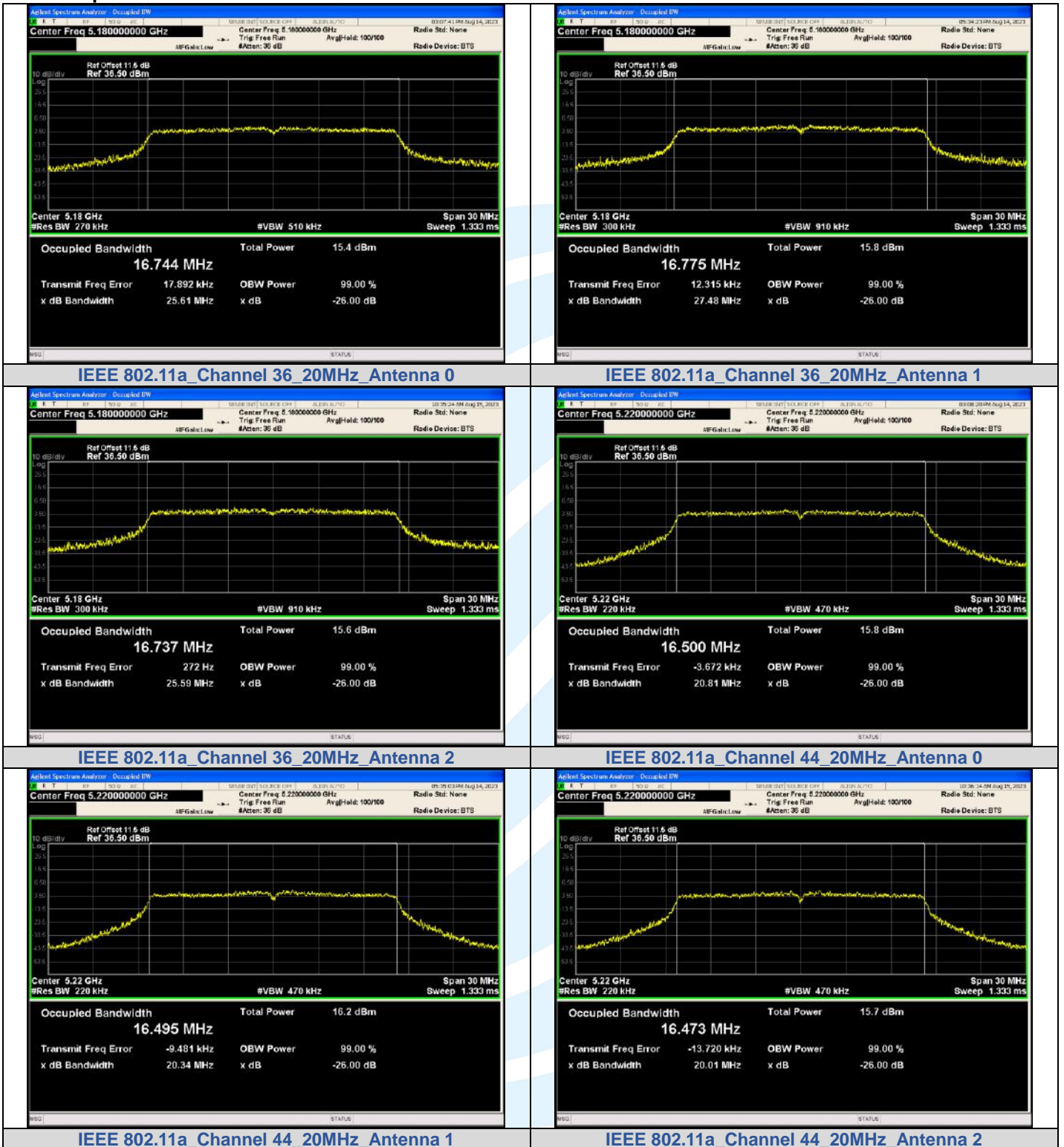
E-mail: info@uttlab.com

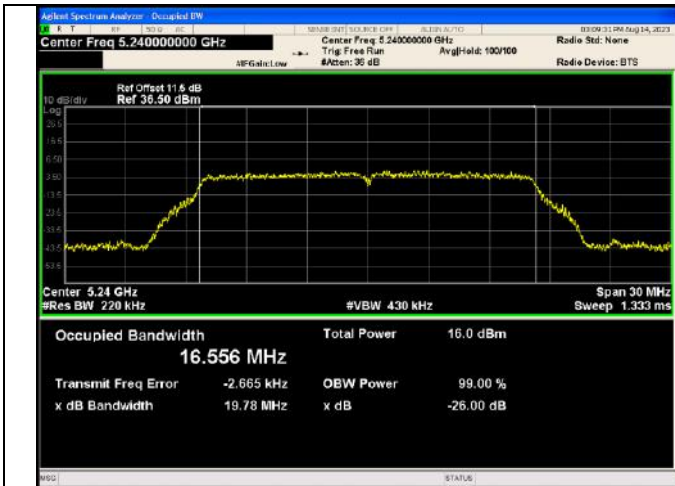
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	134		0	5670	49.41	1.12
			1	5670	53.95	1.07
			2	5670	52.67	1.04
IEEE 802.11ax_80	42		0	5210	86.40	1.16
			1	5210	97.93	1.02
			2	5210	92.59	1.11
	58		0	5290	97.64	1.02
			1	5290	82.61	0.99
			2	5290	90.87	1.1
	106		0	5530	86.32	1.16
			1	5530	87.69	1.14
			2	5530	84.02	1.0
IEEE 802.11ax_160	50		0	5250	167.09	1.0
			1	5250	167.91	1.19
			2	5250	167.08	0.99
	114		0	5570	161.24	1.02
			1	5570	161.16	1.02
			2	5570	162.36	1.02

## Test Graphs

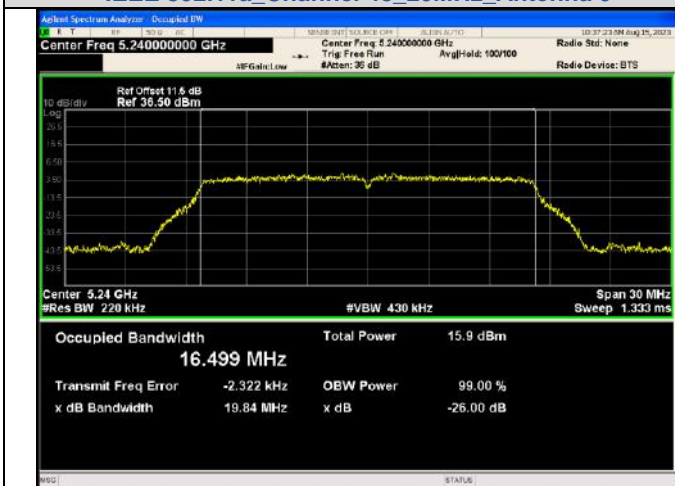




IEEE 802.11a\_Channel 48\_20MHz\_Antenna 0



IEEE 802.11a\_Channel 48\_20MHz\_Antenna 1



IEEE 802.11a\_Channel 48\_20MHz\_Antenna 2



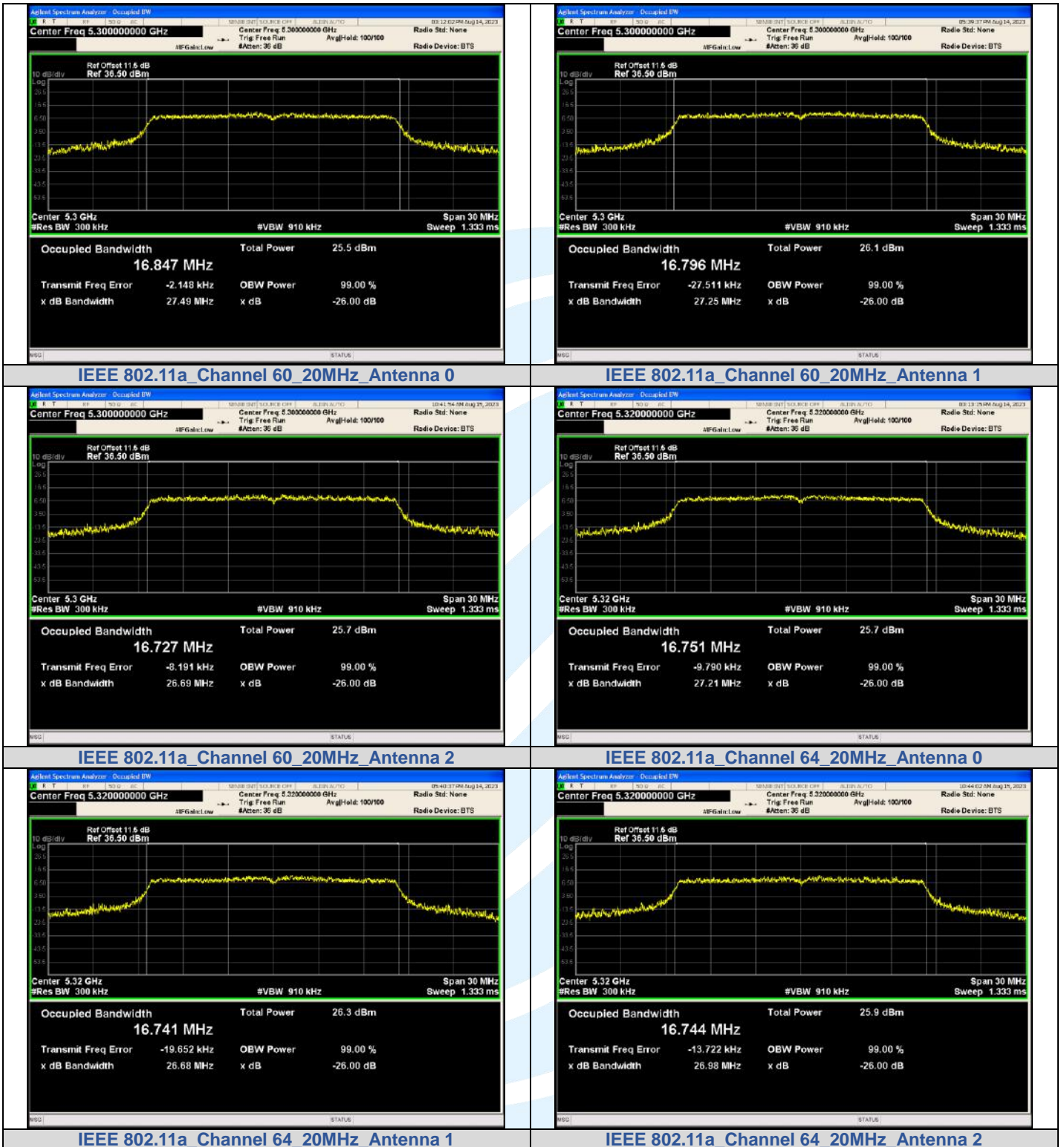
IEEE 802.11a\_Channel 52\_20MHz\_Antenna 0



IEEE 802.11a\_Channel 52\_20MHz\_Antenna 1



IEEE 802.11a\_Channel 52\_20MHz\_Antenna 2



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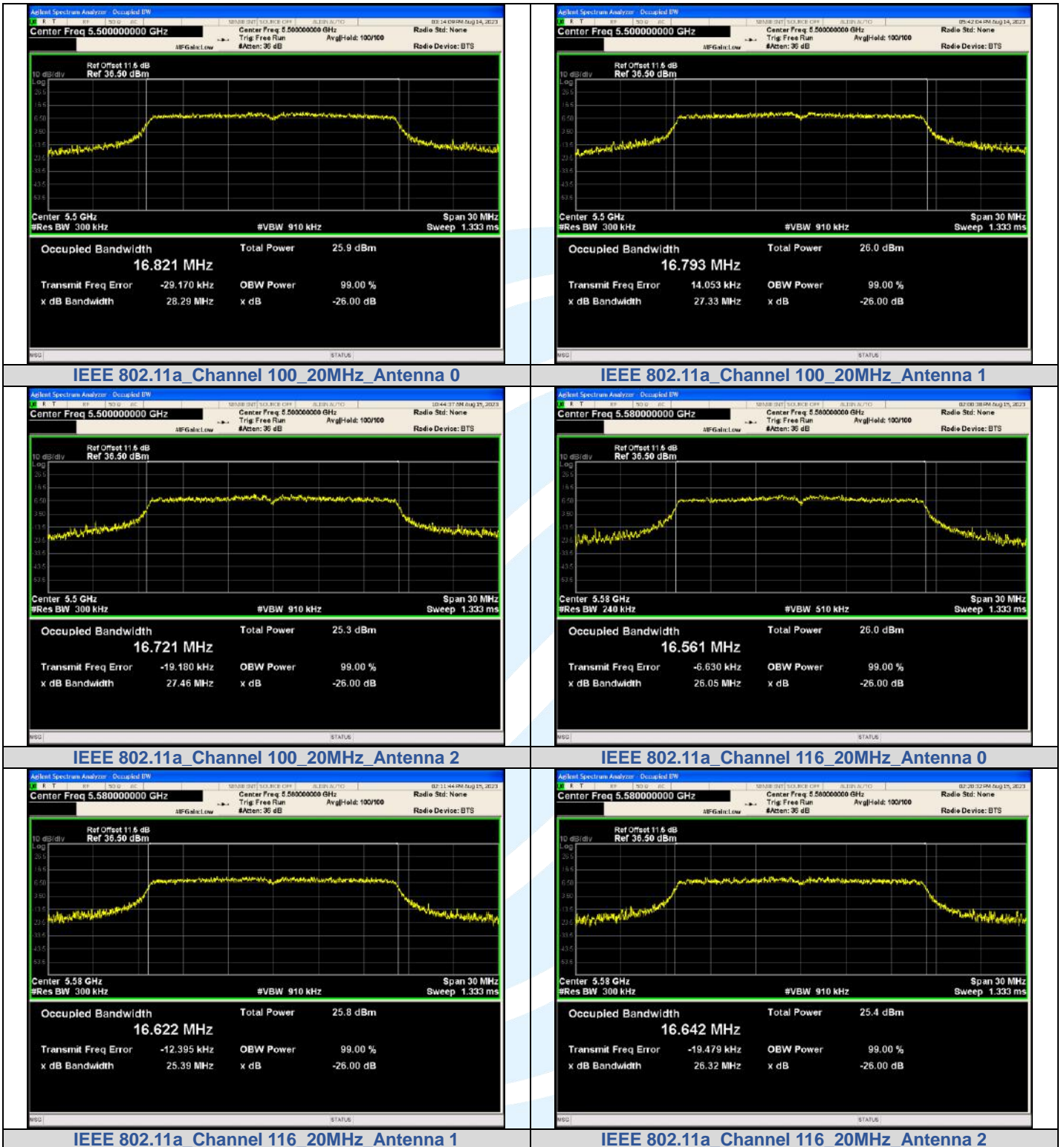
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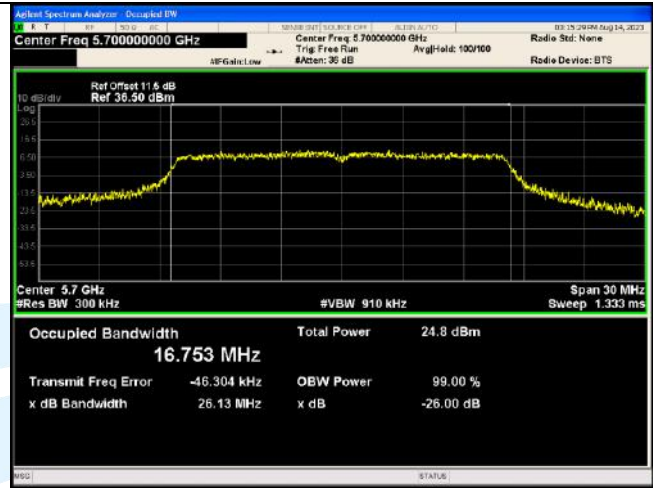
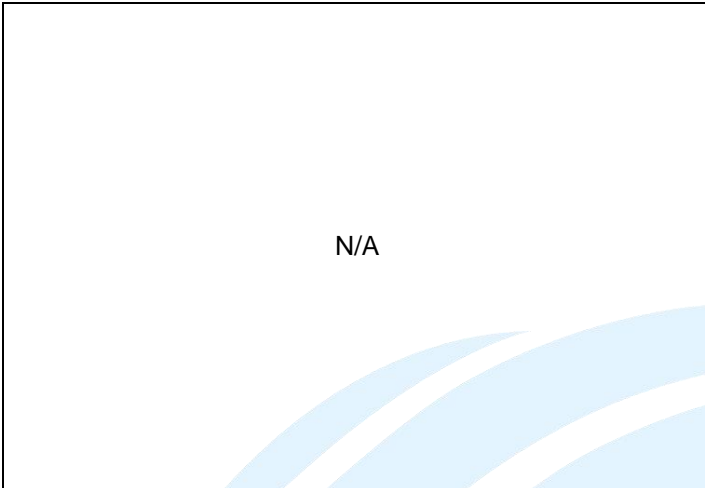
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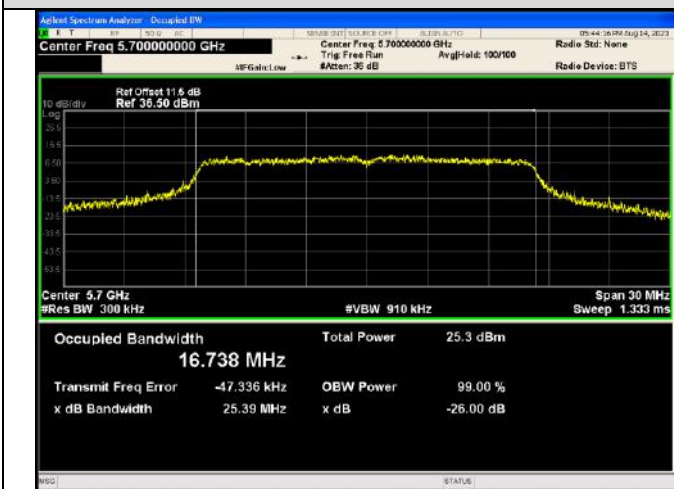
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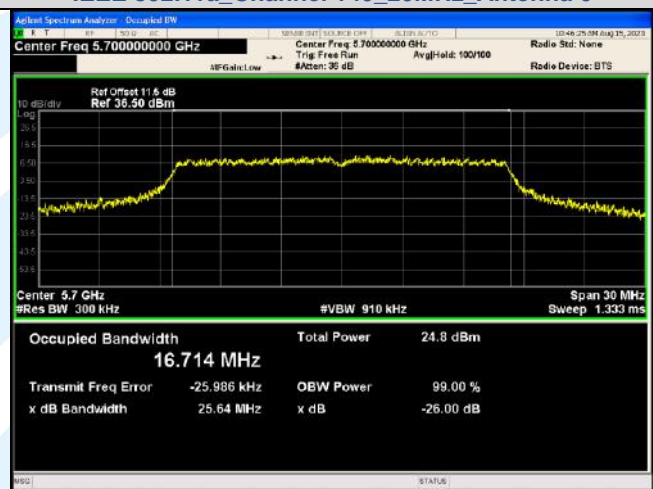
UTTR-RF-EN300328-V1.2



IEEE 802.11a\_Channel 140\_20MHz\_Antenna 0



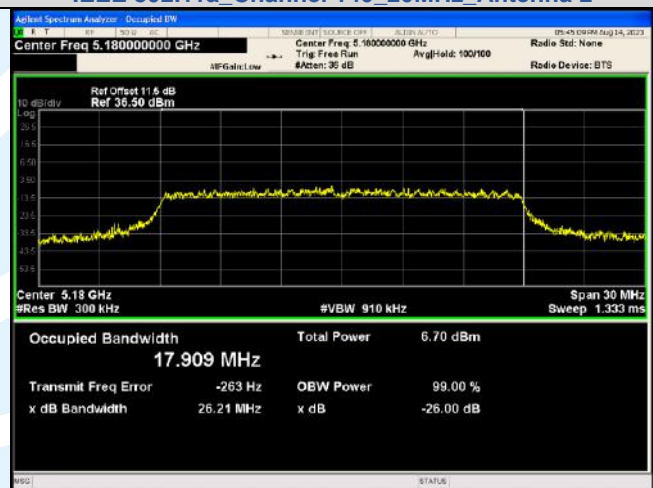
IEEE 802.11a\_Channel 140\_20MHz\_Antenna 1



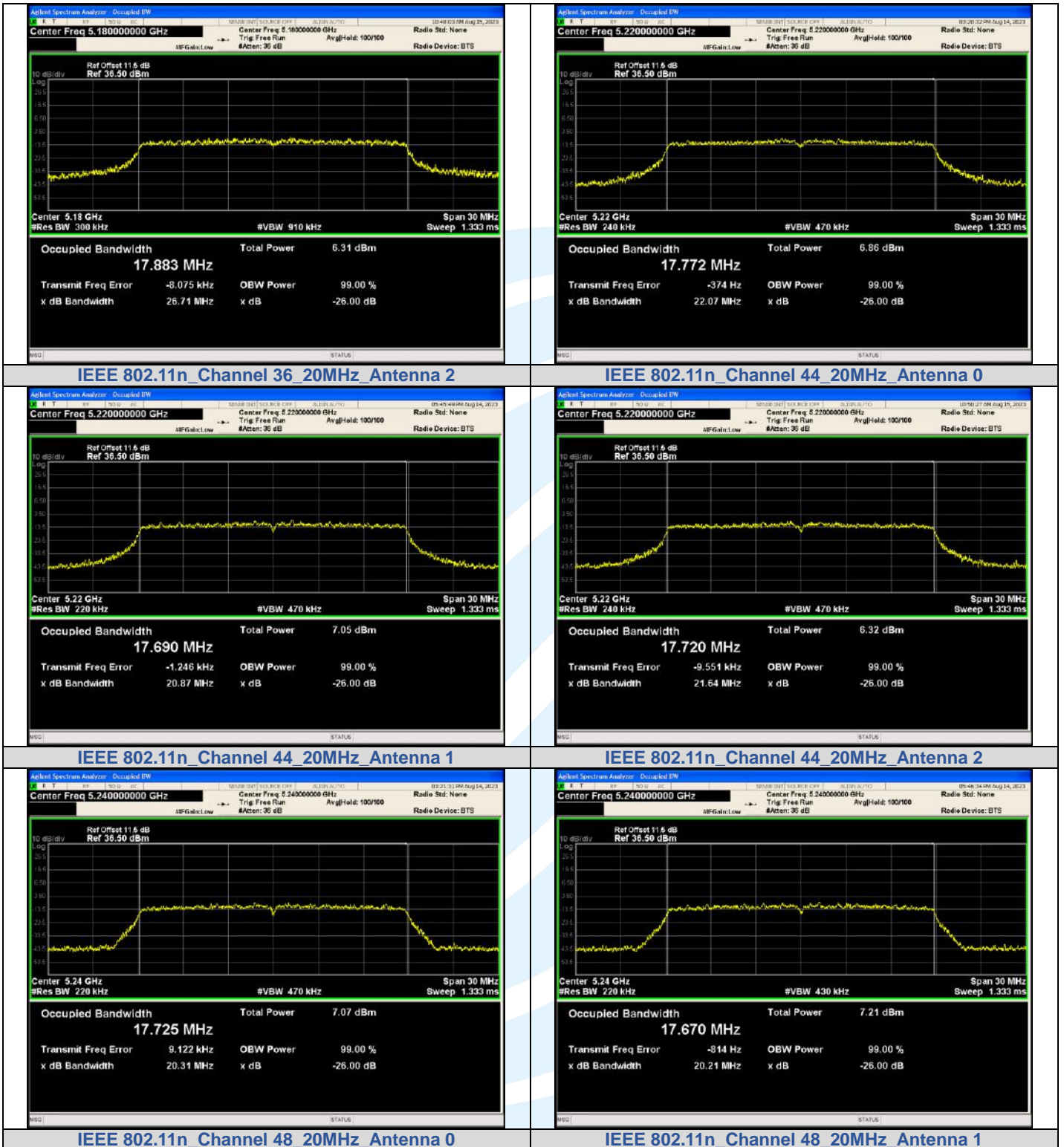
IEEE 802.11a\_Channel 140\_20MHz\_Antenna 2



IEEE 802.11n\_Channel 36\_20MHz\_Antenna 0



IEEE 802.11n\_Channel 36\_20MHz\_Antenna 1



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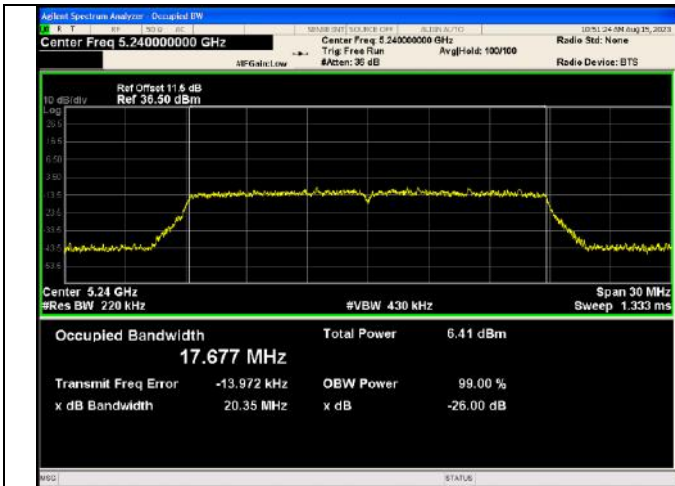
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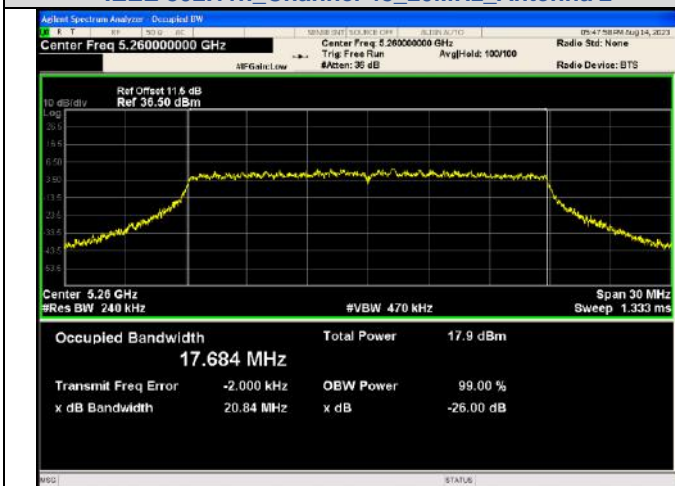




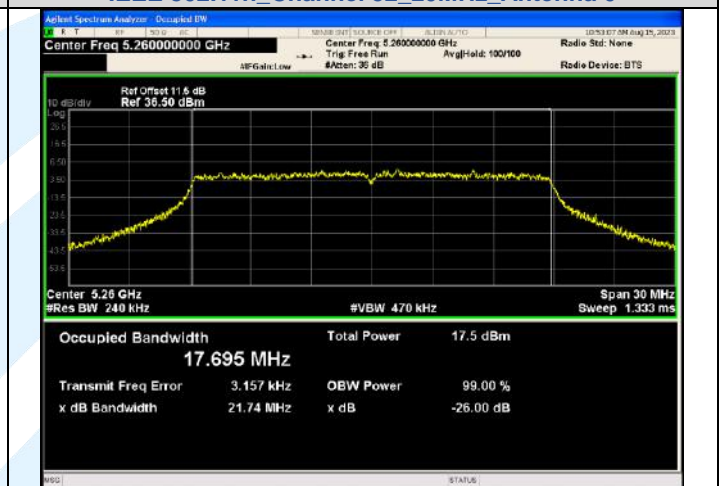
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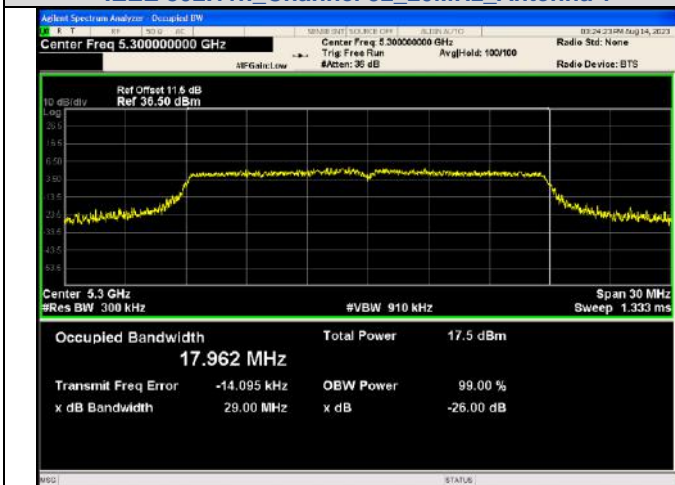
IEEE 802.11n\_Channel 52\_20MHz\_Antenna 0



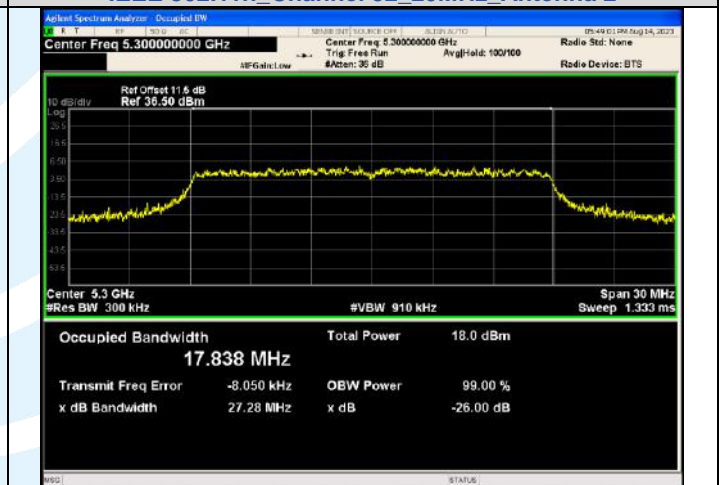
IEEE 802.11n\_Channel 52\_20MHz\_Antenna 1



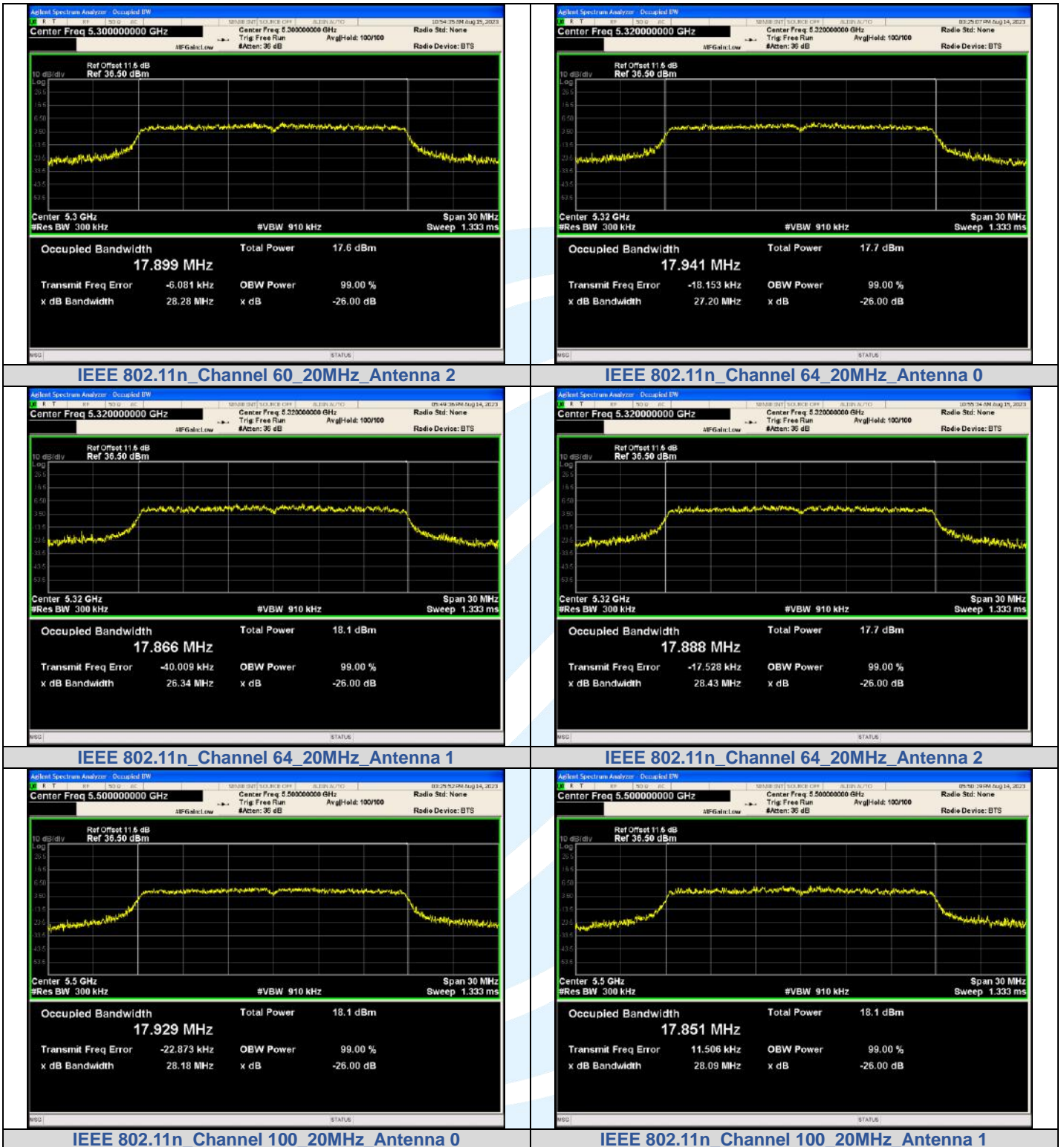
IEEE 802.11n\_Channel 52\_20MHz\_Antenna 2



IEEE 802.11n\_Channel 60\_20MHz\_Antenna 0



IEEE 802.11n\_Channel 60\_20MHz\_Antenna 1



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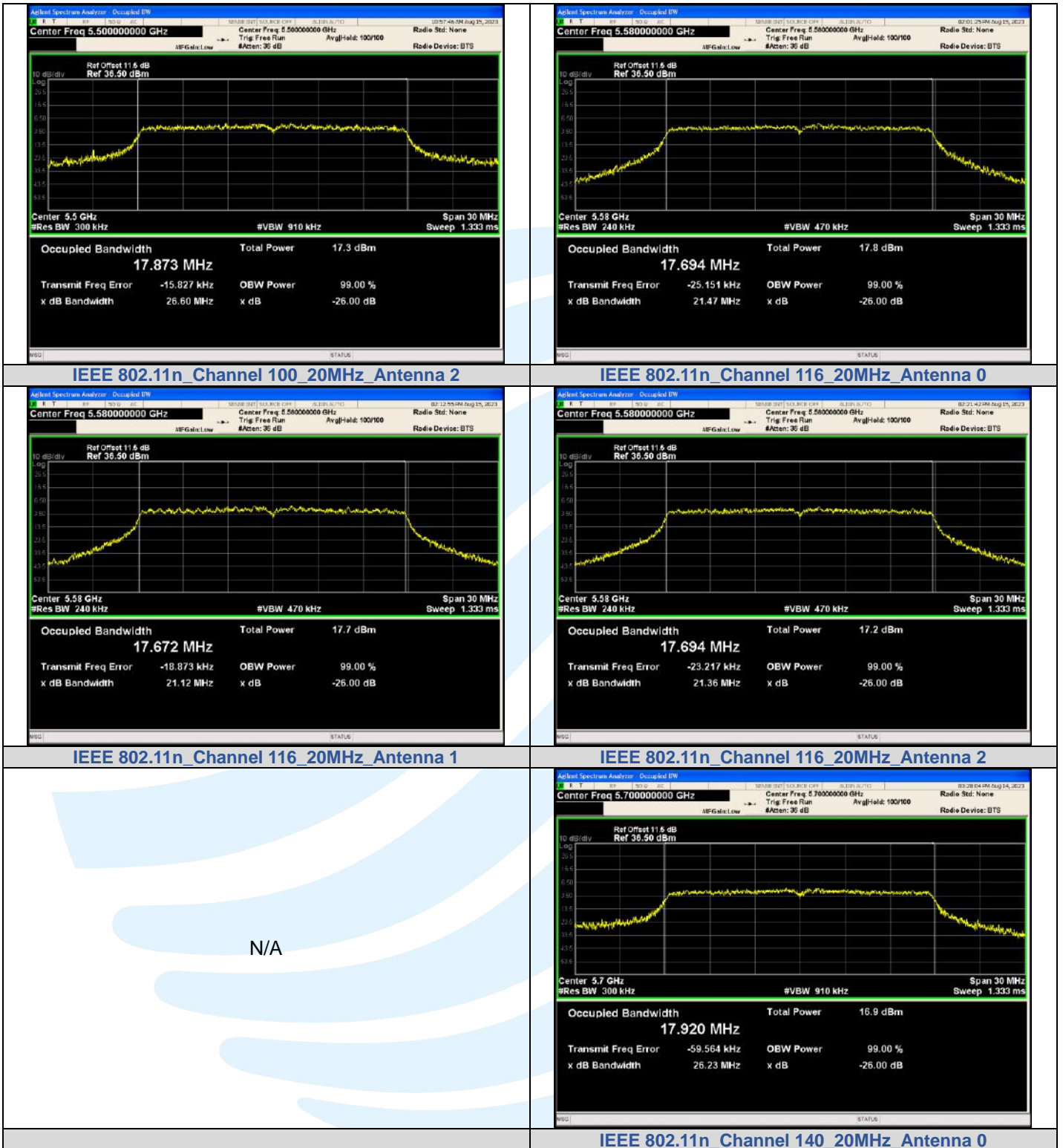
Tel: +86-755-28230888

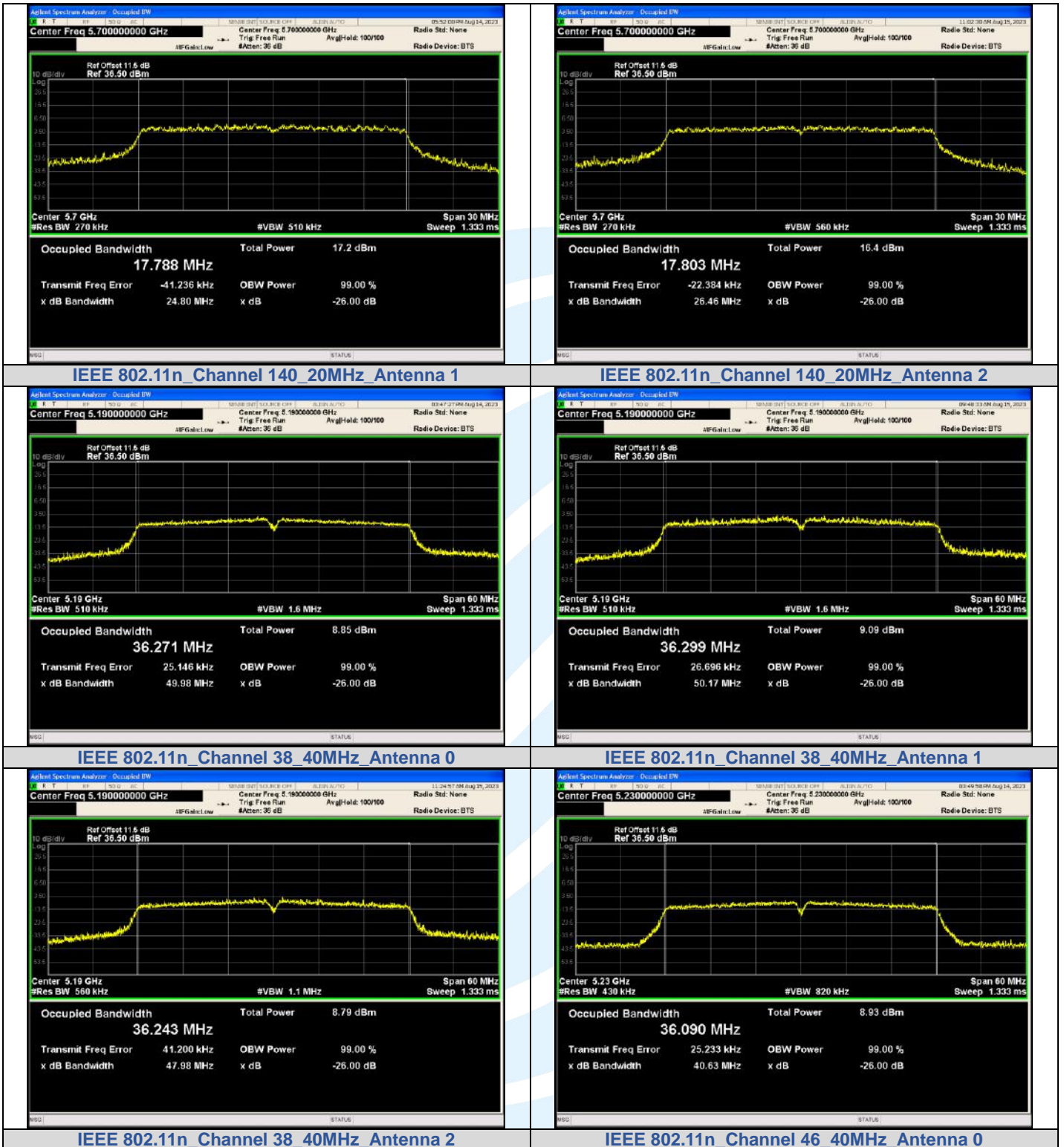
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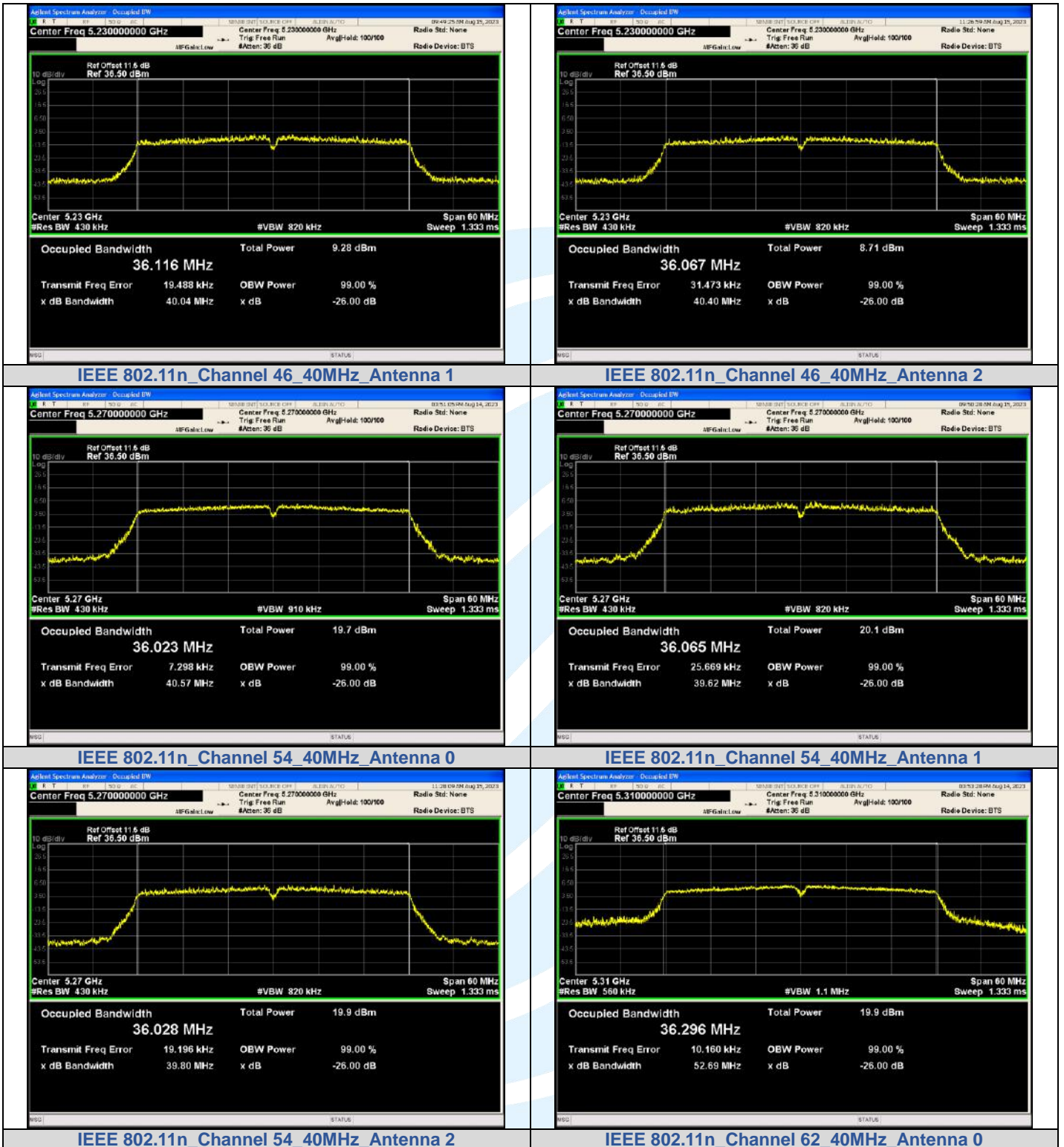
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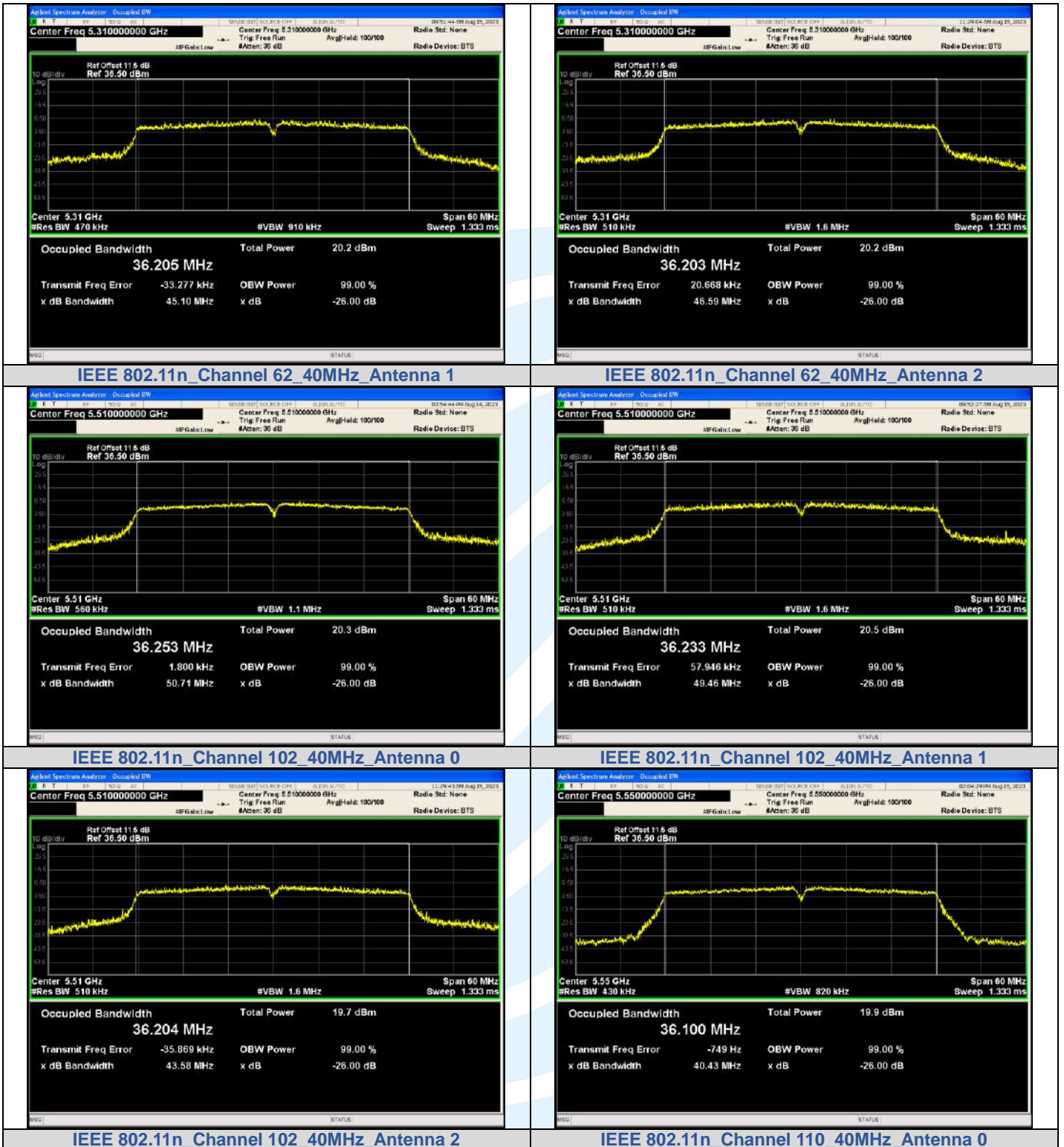
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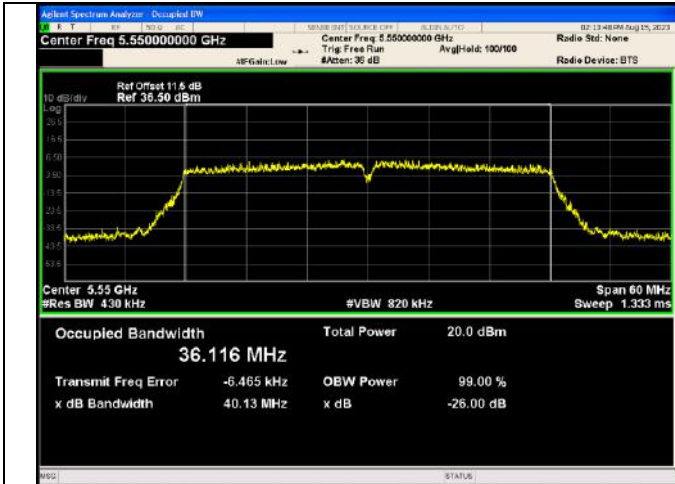
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Fax: +86-755-28230886

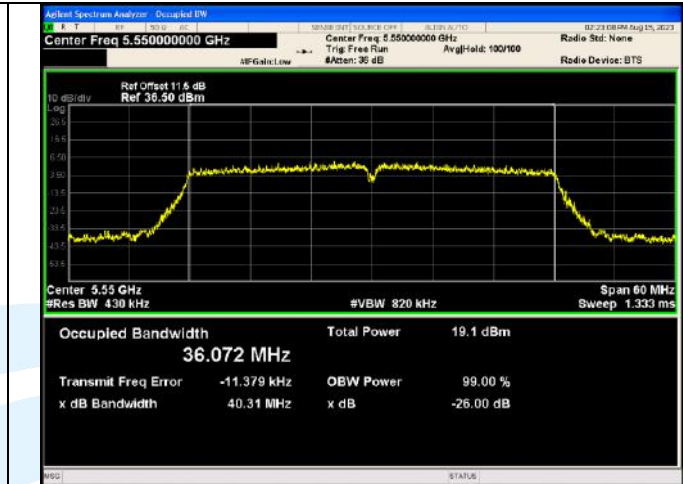
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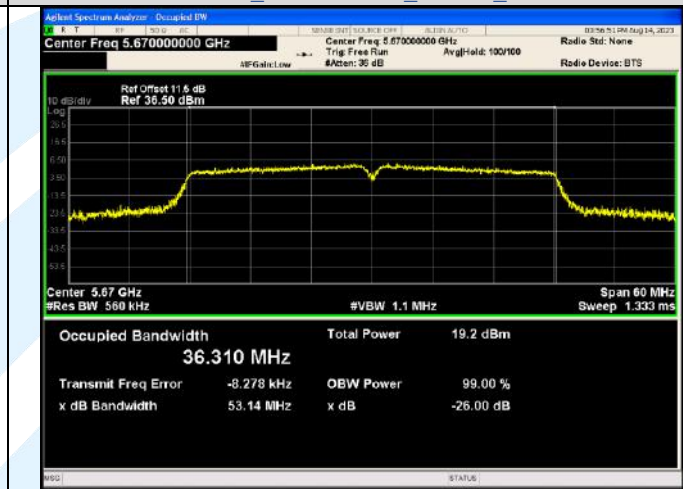
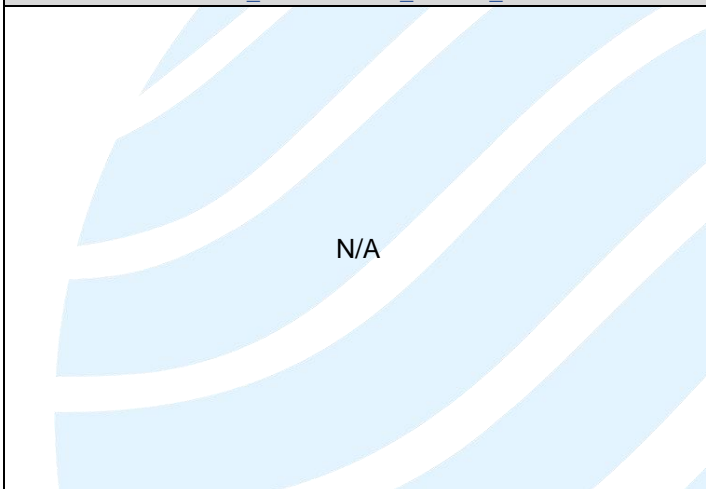
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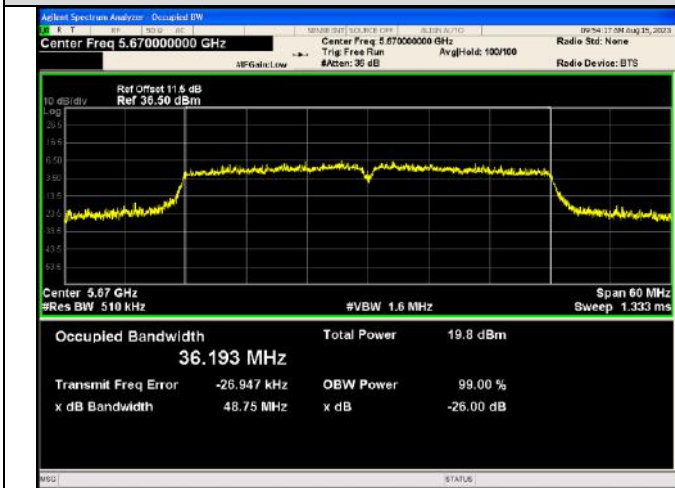
IEEE 802.11n\_Channel 110\_40MHz\_Antenna 1



IEEE 802.11n\_Channel 110\_40MHz\_Antenna 2



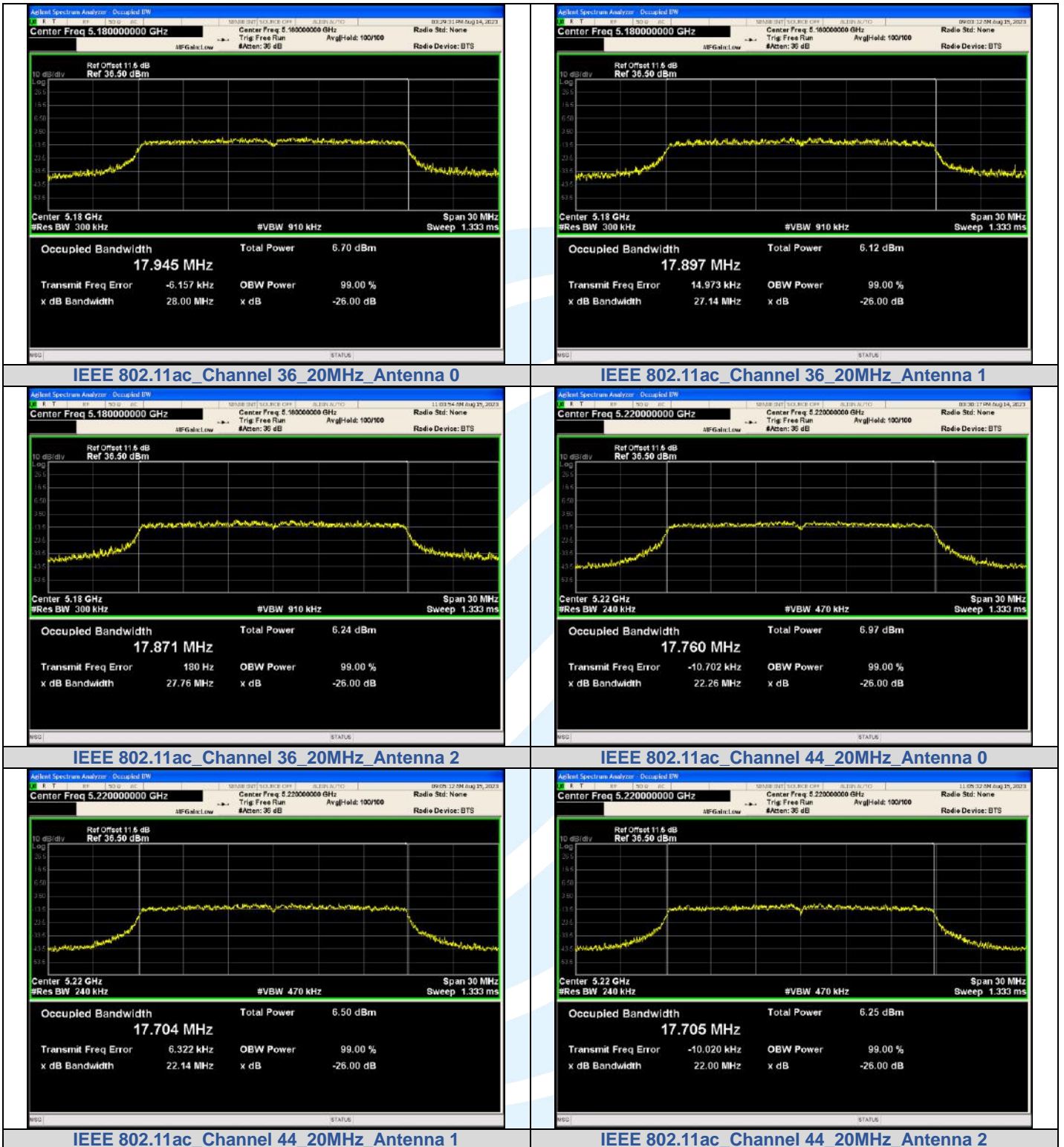
IEEE 802.11n\_Channel 134\_40MHz\_Antenna 0



IEEE 802.11n\_Channel 134\_40MHz\_Antenna 1



IEEE 802.11n\_Channel 134\_40MHz\_Antenna 2



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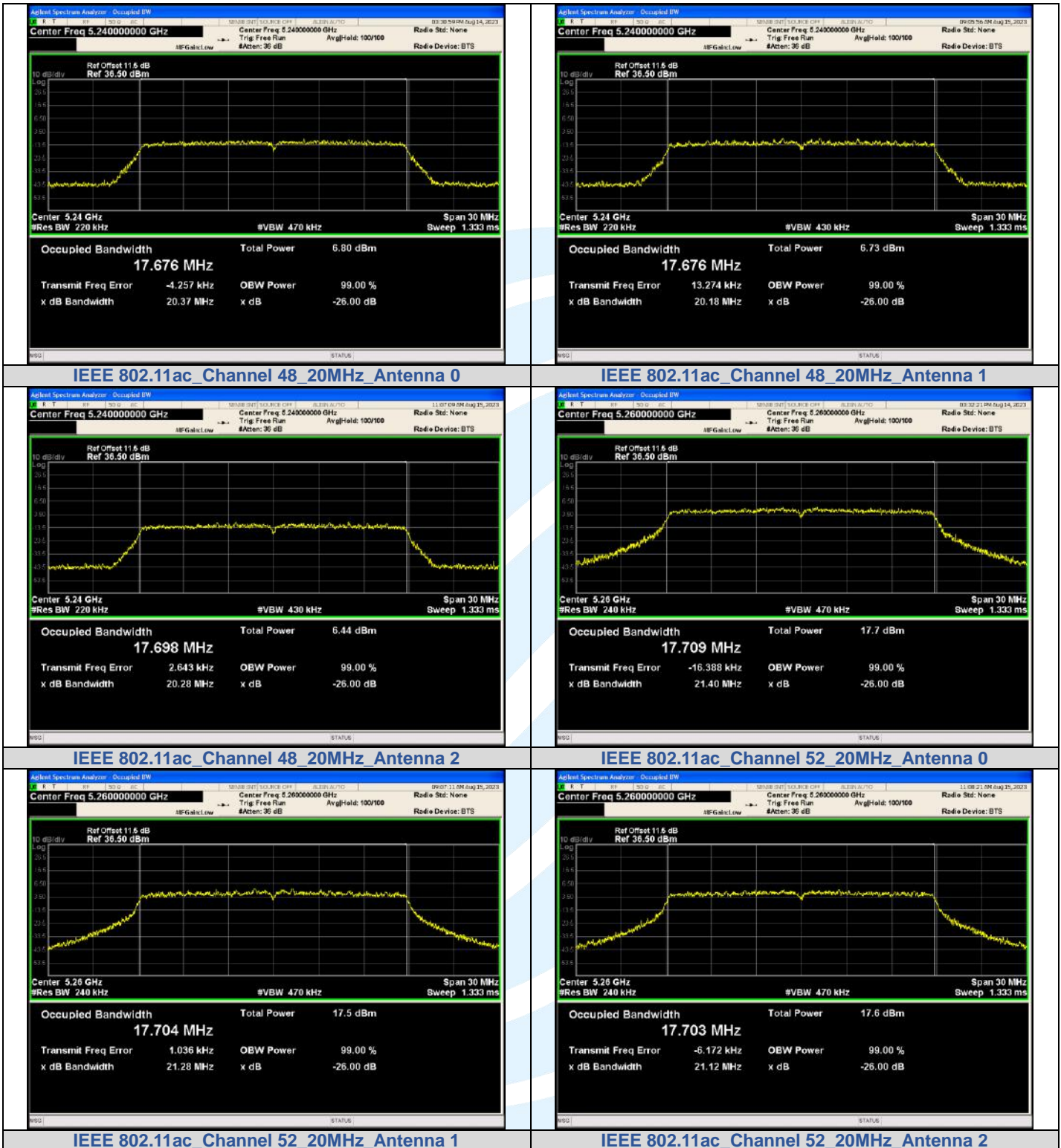
Fax: +86-755-28230886

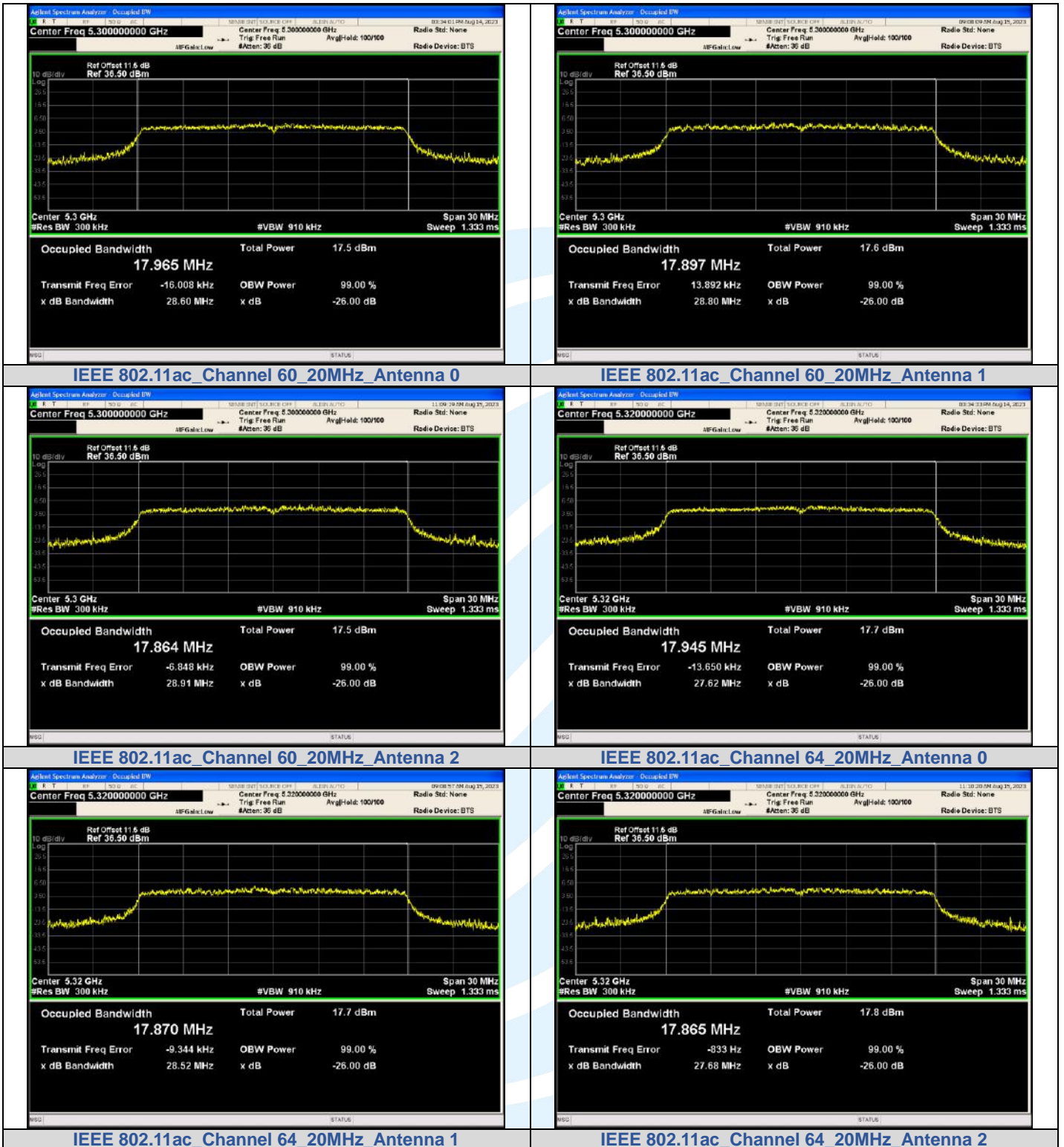
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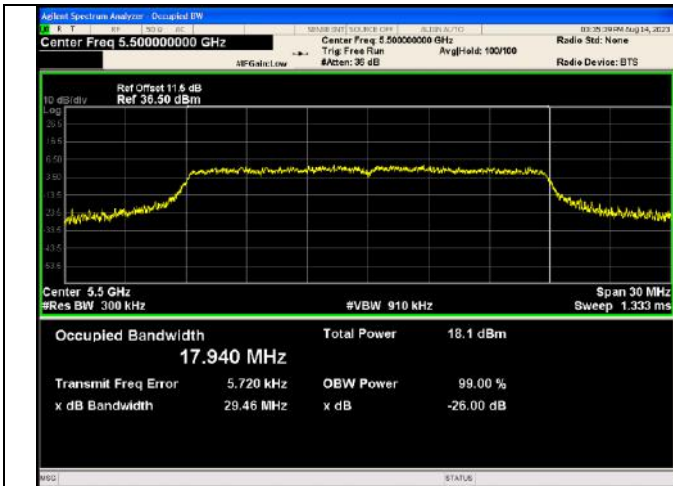
Tel: +86-755-28230888

Fax: +86-755-28230886

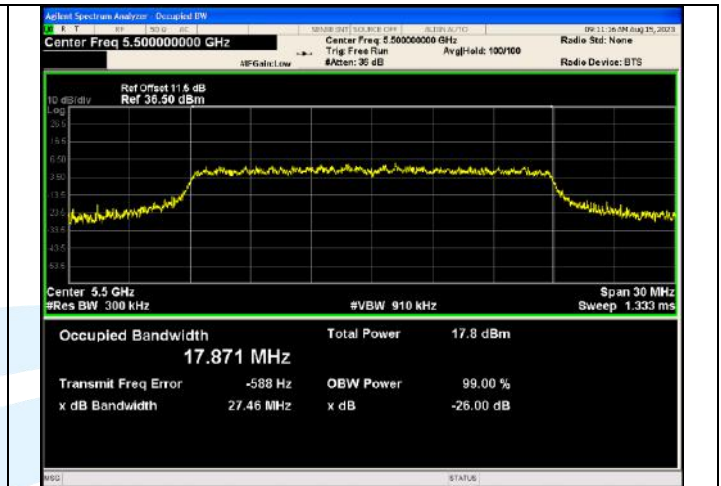
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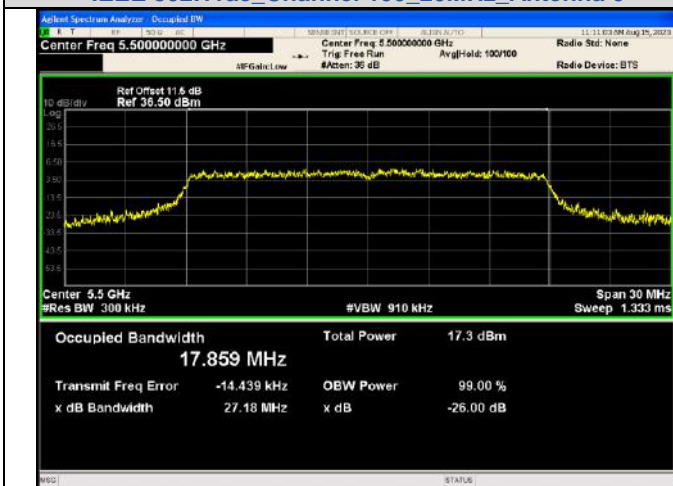
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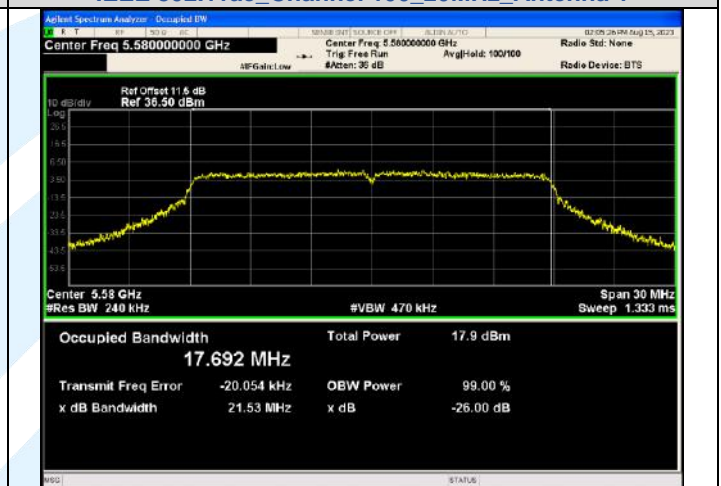
IEEE 802.11ac\_Channel 100\_20MHz\_Antenna 0



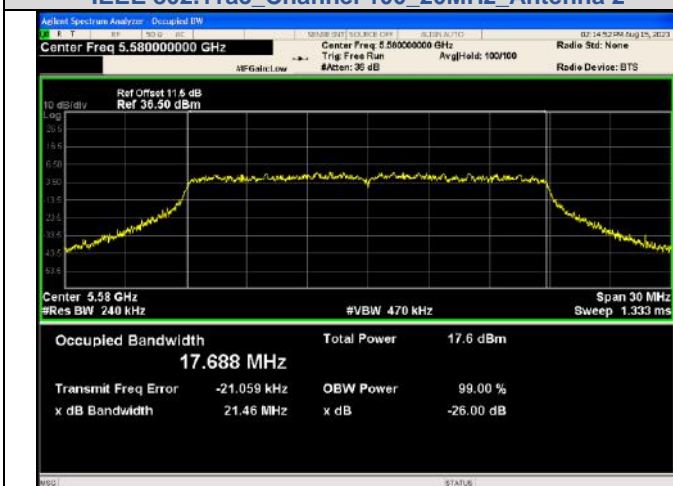
IEEE 802.11ac\_Channel 100\_20MHz\_Antenna 1



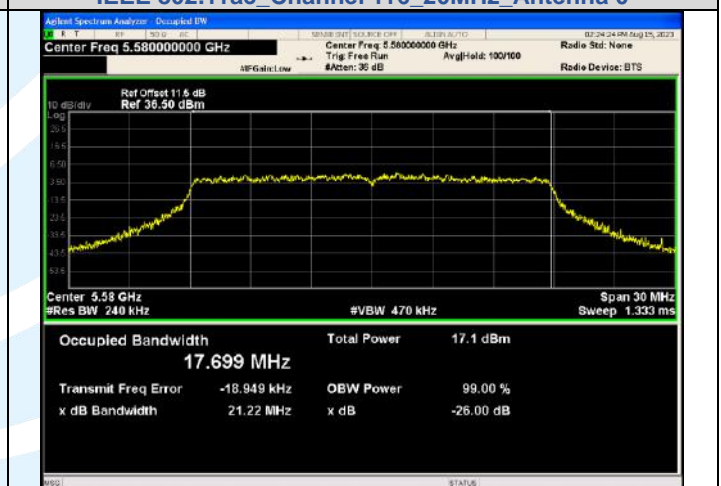
IEEE 802.11ac\_Channel 100\_20MHz\_Antenna 2



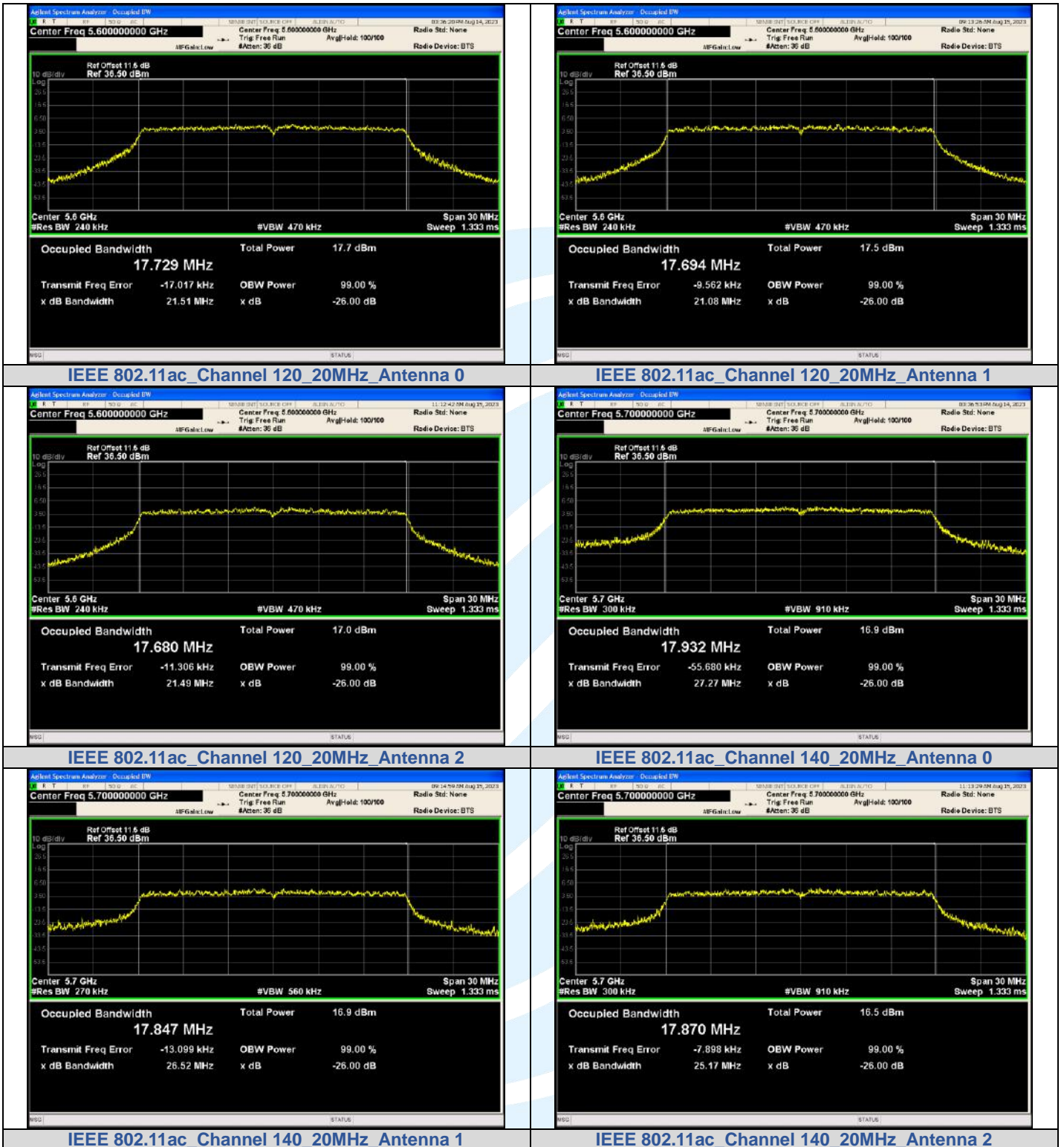
IEEE 802.11ac\_Channel 116\_20MHz\_Antenna 0



IEEE 802.11ac\_Channel 116\_20MHz\_Antenna 1



IEEE 802.11ac\_Channel 116\_20MHz\_Antenna 2



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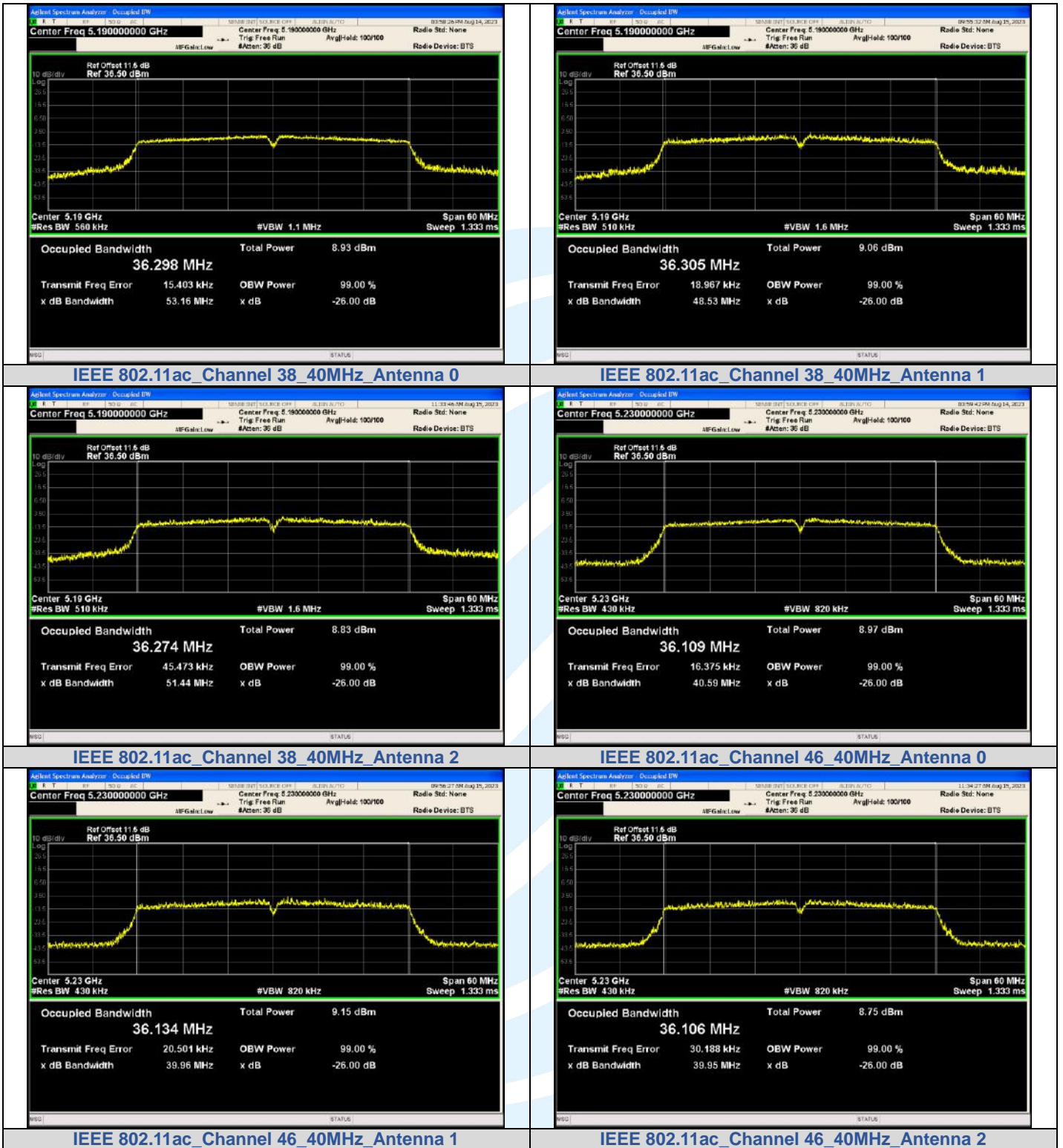
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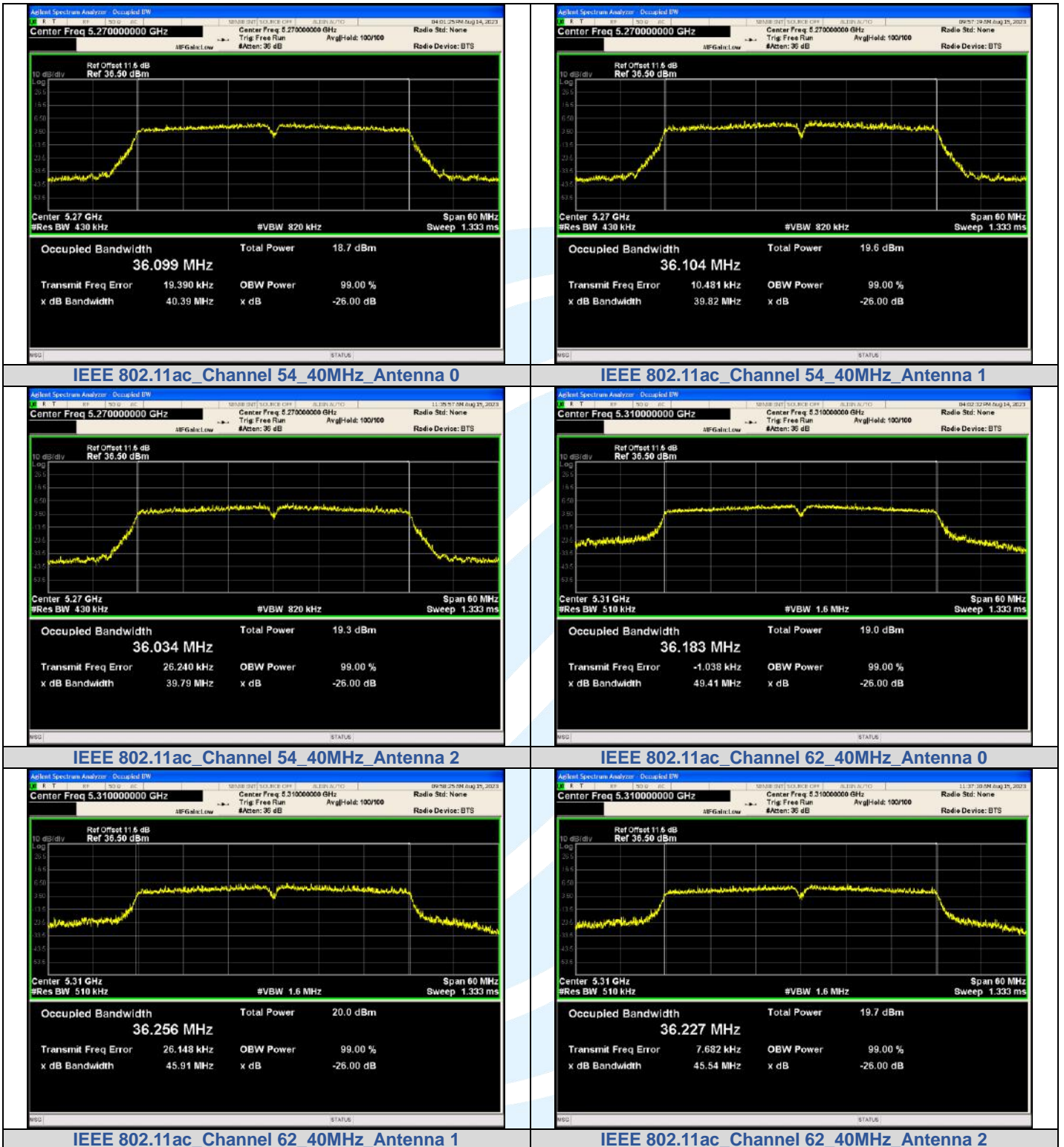
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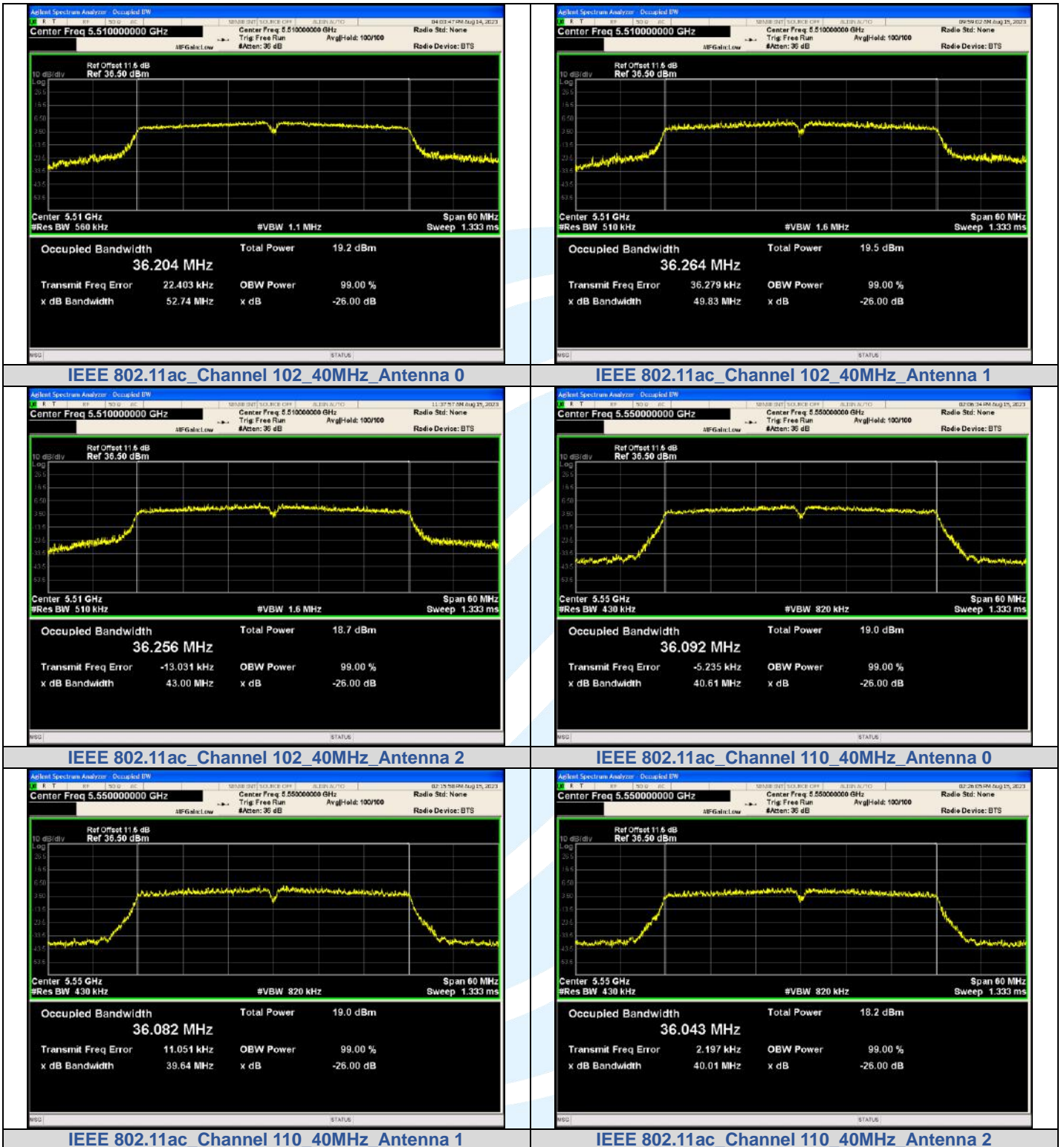
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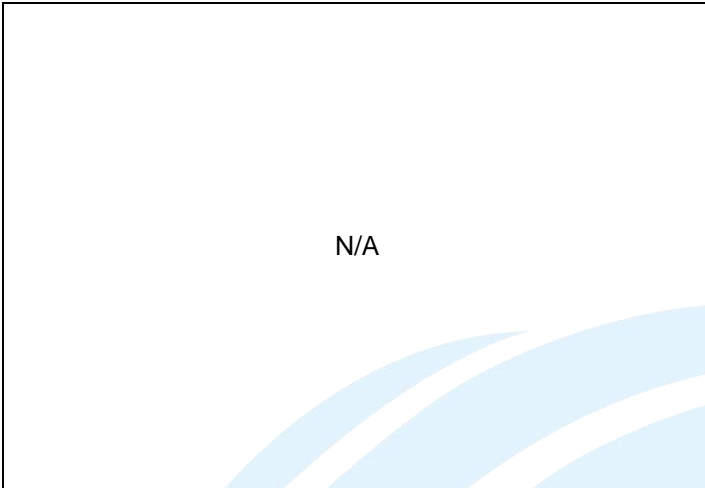
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Fax: +86-755-28230886

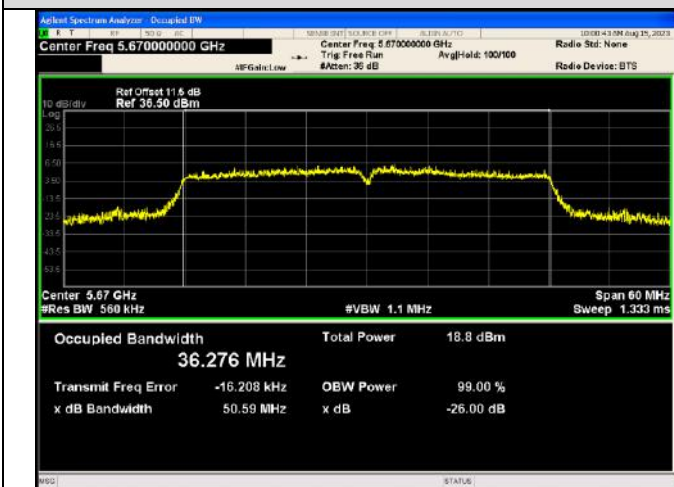
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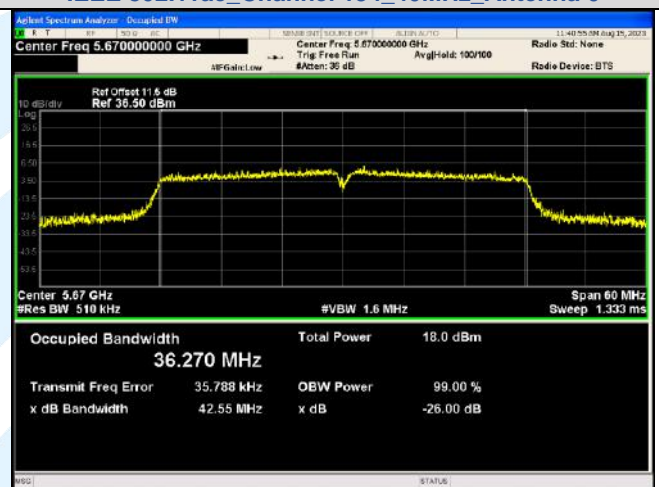
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IEEE 802.11ac\_Channel 134\_40MHz\_Antenna 0



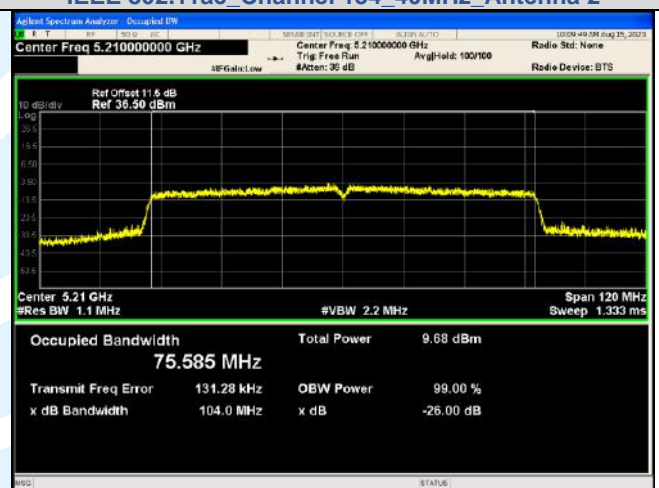
IEEE 802.11ac\_Channel 134\_40MHz\_Antenna 1



IEEE 802.11ac\_Channel 134\_40MHz\_Antenna 2

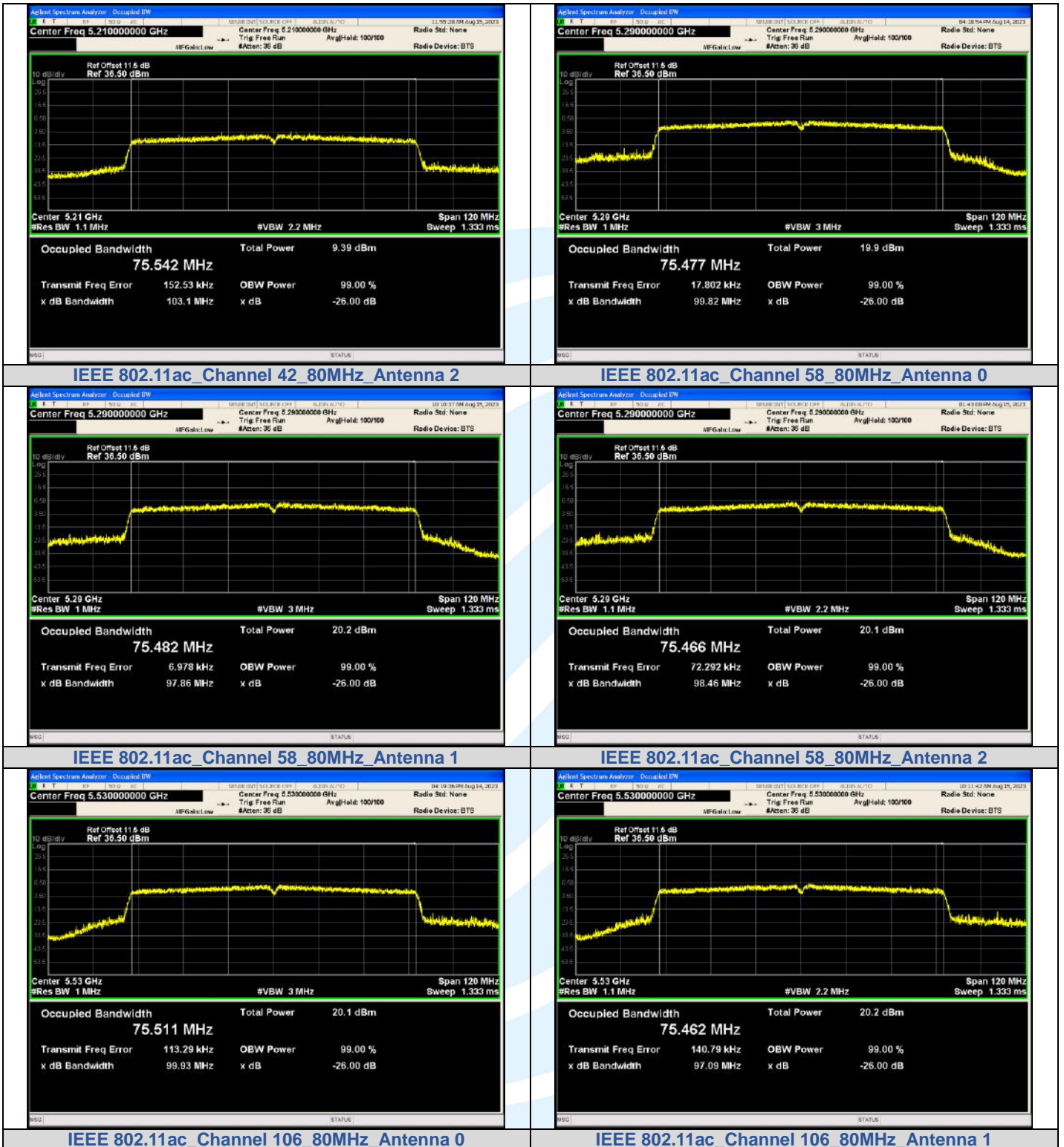


IEEE 802.11ac\_Channel 42\_80MHz\_Antenna 0



IEEE 802.11ac\_Channel 42\_80MHz\_Antenna 1





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