

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

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UTTR-RF-RSS247-V1.1

<p>Center Freq 5.190000000 GHz</p> <p>Center Freq: 5.190000000 GHz</p> <p>Occupied Bandwidth: 37.938 MHz</p> <p>Total Power: 25.0 dBm</p>	<p>Center Freq 5.230000000 GHz</p> <p>Center Freq: 5.230000000 GHz</p> <p>Occupied Bandwidth: 37.902 MHz</p> <p>Total Power: 24.8 dBm</p>
<p>IEEE 802.11ax_Channel 38_40MHz_Antenna 0_RU&Index SU</p>	<p>IEEE 802.11ax_Channel 46_40MHz_Antenna 0_RU&Index SU</p>
<p>Center Freq 5.270000000 GHz</p> <p>Center Freq: 5.270000000 GHz</p> <p>Occupied Bandwidth: 37.817 MHz</p> <p>Total Power: 25.2 dBm</p>	<p>Center Freq 5.310000000 GHz</p> <p>Center Freq: 5.310000000 GHz</p> <p>Occupied Bandwidth: 37.846 MHz</p> <p>Total Power: 25.0 dBm</p>
<p>IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU</p>	<p>IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU</p>
<p>Center Freq 5.510000000 GHz</p> <p>Center Freq: 5.510000000 GHz</p> <p>Occupied Bandwidth: 37.875 MHz</p> <p>Total Power: 22.4 dBm</p>	<p>Center Freq 5.550000000 GHz</p> <p>Center Freq: 5.550000000 GHz</p> <p>Occupied Bandwidth: 37.829 MHz</p> <p>Total Power: 21.9 dBm</p>
<p>IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU</p>	<p>IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU</p>
<p>Center Freq 5.670000000 GHz</p> <p>Center Freq: 5.670000000 GHz</p> <p>Occupied Bandwidth: 37.868 MHz</p> <p>Total Power: 21.9 dBm</p>	<p>Center Freq 5.695000000 GHz</p> <p>Center Freq: 5.695000000 GHz</p> <p>Occupied Bandwidth: 33.799 MHz</p> <p>Total Power: 20.6 dBm</p>
<p>IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU</p>	<p>IEEE 802.11ax_Channel 142_40MHz_Antenna 0_RU&Index SU</p>

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A.3 PEAK POWER SPECTRAL DENSITY

For U-NII-1, U-NII-2A, U-NII-2C band

Mode	Channel	RU & Index	Meas PSD (dBm/MHz or dBm/0.5MHz)	Corr'd PSD (dBm/MHz or dBm/0.5MHz)	EIRP PSD (dBm/MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	N/A	4.667	4.83	8.33	10	PASS
	44		4.049	4.21	7.71		PASS
	48		4.516	4.68	8.18		PASS
	52		5.416	5.58	9.08		PASS
	60		4.833	4.99	8.49		PASS
	64		4.581	4.74	8.24	PASS	
	100		5.417	5.58	-	11	PASS
	116		4.515	4.68	-		PASS
	140		3.754	3.91	-		PASS
	144		3.770	3.93	-		PASS
IEEE 802.11n_20	36	N/A	4.664	4.82	8.32		10
	44		3.926	4.09	7.59	PASS	
	48		4.069	4.23	7.73	PASS	
	52		4.993	5.15	8.65	PASS	
	60		4.757	4.92	8.42	PASS	
	64		4.222	4.38	7.88	PASS	
	100		5.061	5.22	-	11	PASS
	116		4.347	4.51	-		PASS
	140		3.502	3.66	-		PASS
	144		3.325	3.49	-		PASS
IEEE 802.11n_40	38	N/A	4.519	4.83	8.33		10
	46		4.295	4.61	8.11	PASS	
	54		4.796	5.11	8.61	PASS	
	62		4.493	4.80	8.30	PASS	
	102		1.783	2.09	-	11	PASS
	110		1.297	1.61	-		PASS
	134		1.265	1.58	-		PASS
	142		0.218	0.53	-		PASS
IEEE 802.11ac_20	36	N/A	4.608	4.75	8.25	10	PASS
	44		4.248	4.39	7.89		PASS
	48		3.972	4.11	7.61		PASS
	52		4.878	5.02	8.52		PASS
	60		5.010	5.15	8.65		PASS
	64		4.252	4.39	7.89	PASS	
	100		5.092	5.23	-	11	PASS
	116		4.470	4.61	-		PASS
	140		3.486	3.63	-		PASS
	144		3.700	3.84	-		PASS
IEEE 802.11ac_40	38	N/A	4.706	4.86	8.36		10
	46		4.347	4.50	8.00	PASS	
	54		4.757	4.91	8.41	PASS	
	62		4.811	4.96	8.46	PASS	
	102		1.860	2.01	-	11	PASS
	110		1.174	1.32	-		PASS
	134		1.392	1.54	-		PASS
	142		0.352	0.50	-		PASS
IEEE 802.11ax_20	36	SU	4.519	4.69	8.19	10	PASS
	44		3.572	3.74	7.24		PASS
	48		3.796	3.97	7.47		PASS
	52		5.004	5.17	8.67		PASS
	60		4.529	4.70	8.20		PASS
	64		4.142	4.31	7.81	PASS	
	100		4.819	4.99	-	11	PASS
	116		4.384	4.55	-		PASS
	140		3.224	3.39	-		PASS
	144		3.306	3.48	-		PASS
IEEE	38		4.355	4.55	8.05		10

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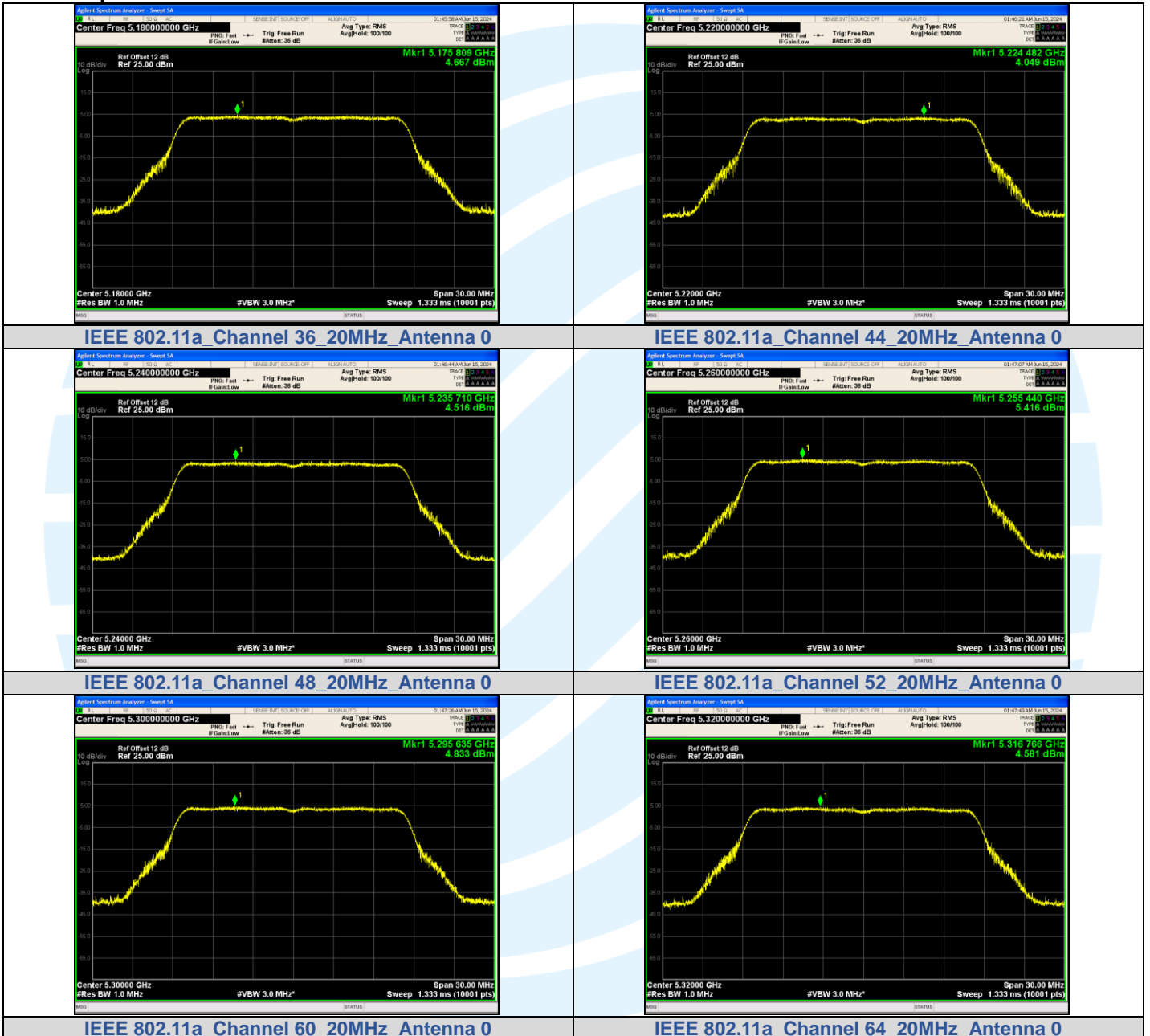
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802.11ax_40	46		3.970	4.16	7.66	11	PASS
	54		4.432	4.62	8.12		PASS
	62		4.136	4.33	7.83		PASS
	102		1.650	1.84	-		PASS
	110		1.089	1.28	-		PASS
	134		1.107	1.30	-		PASS
	142		0.276	0.47	-		PASS

Test Graphs



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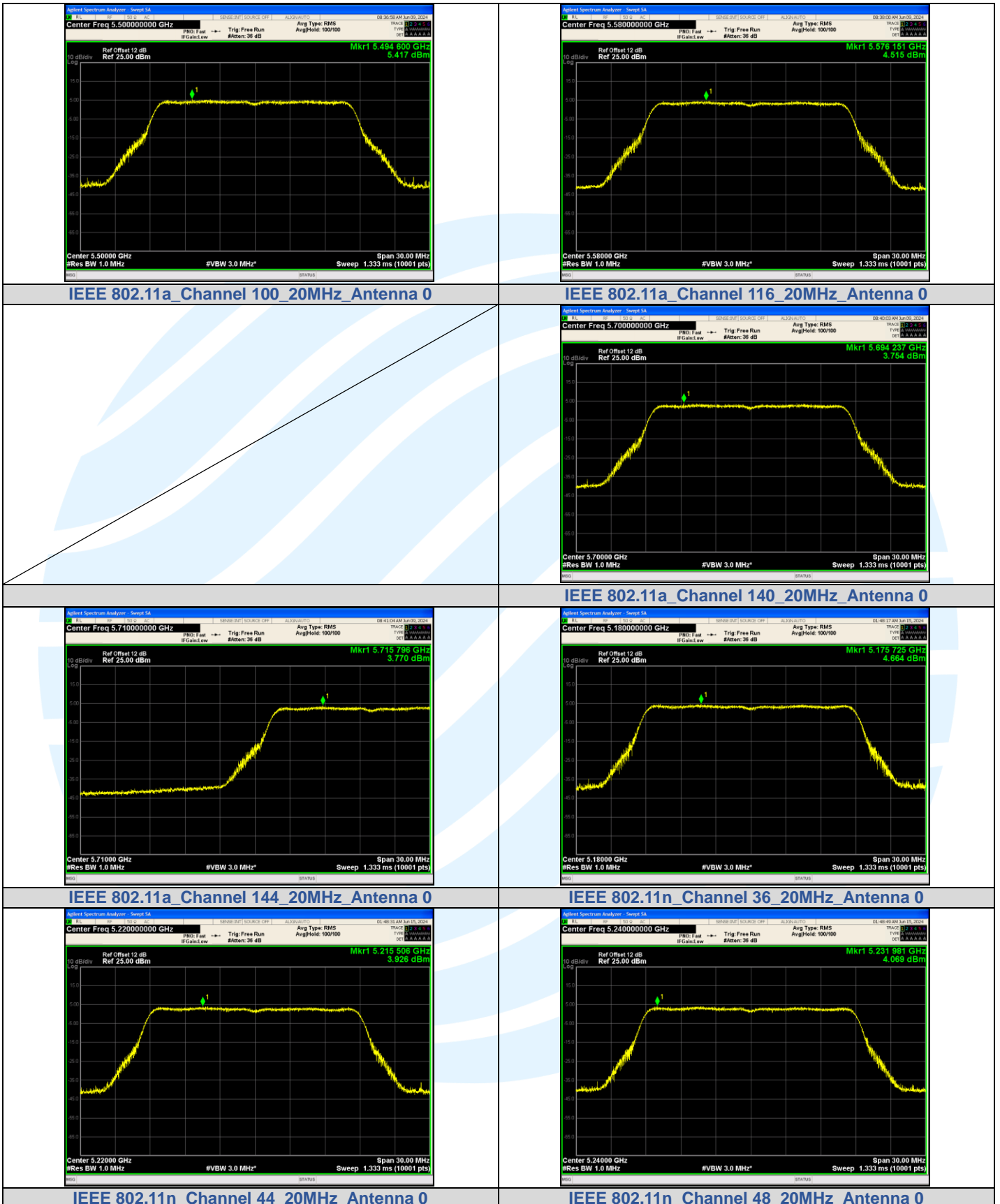
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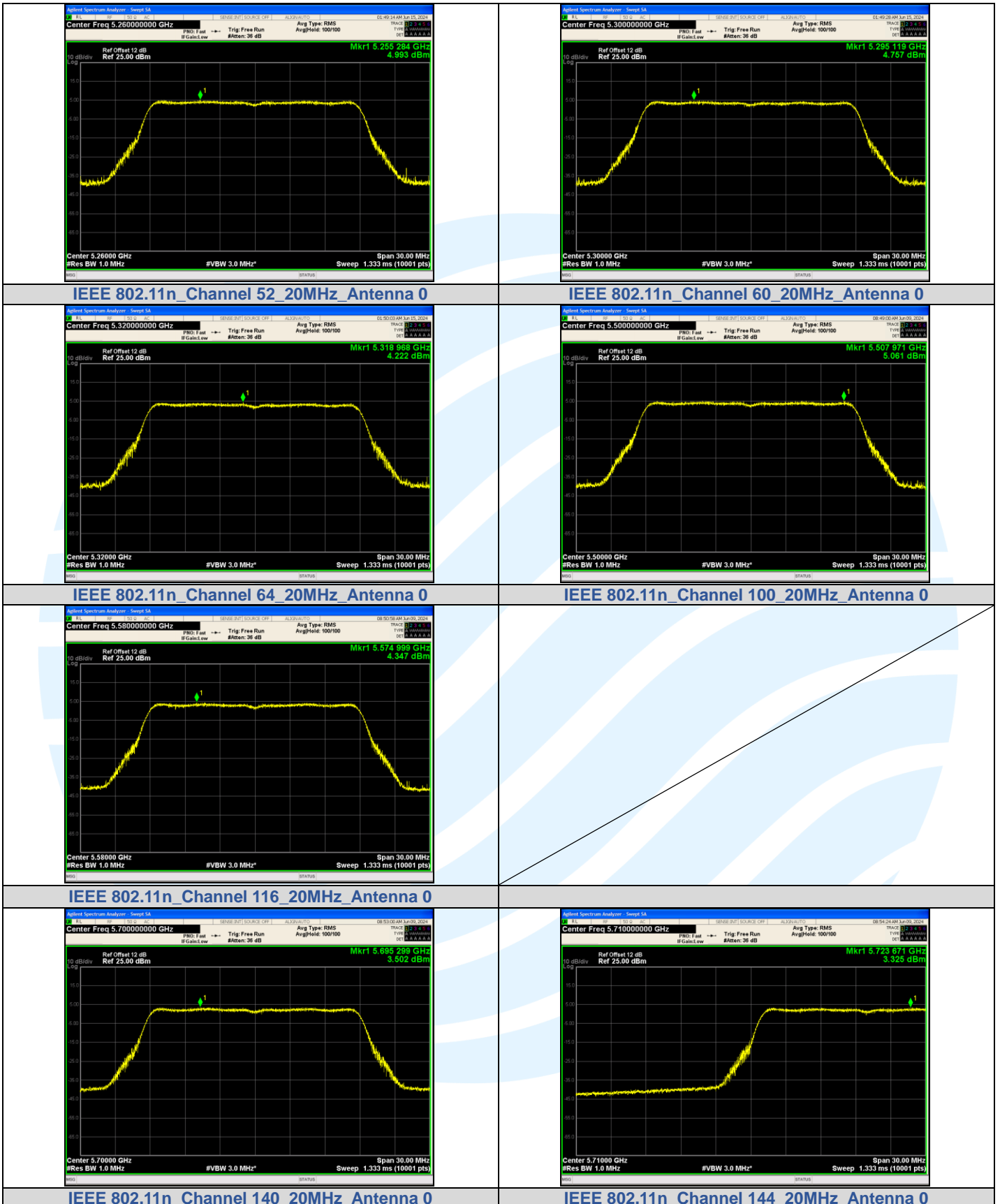
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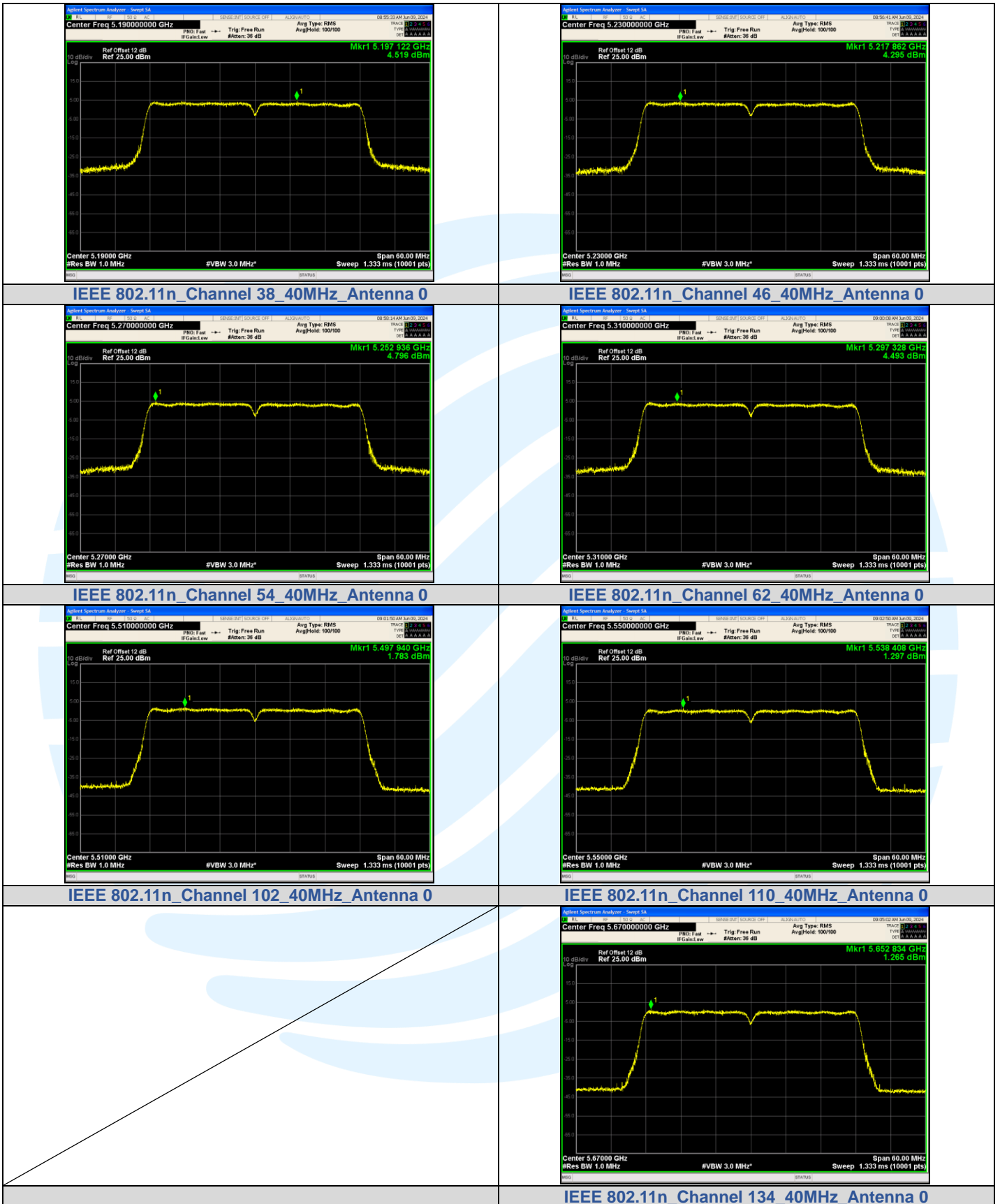
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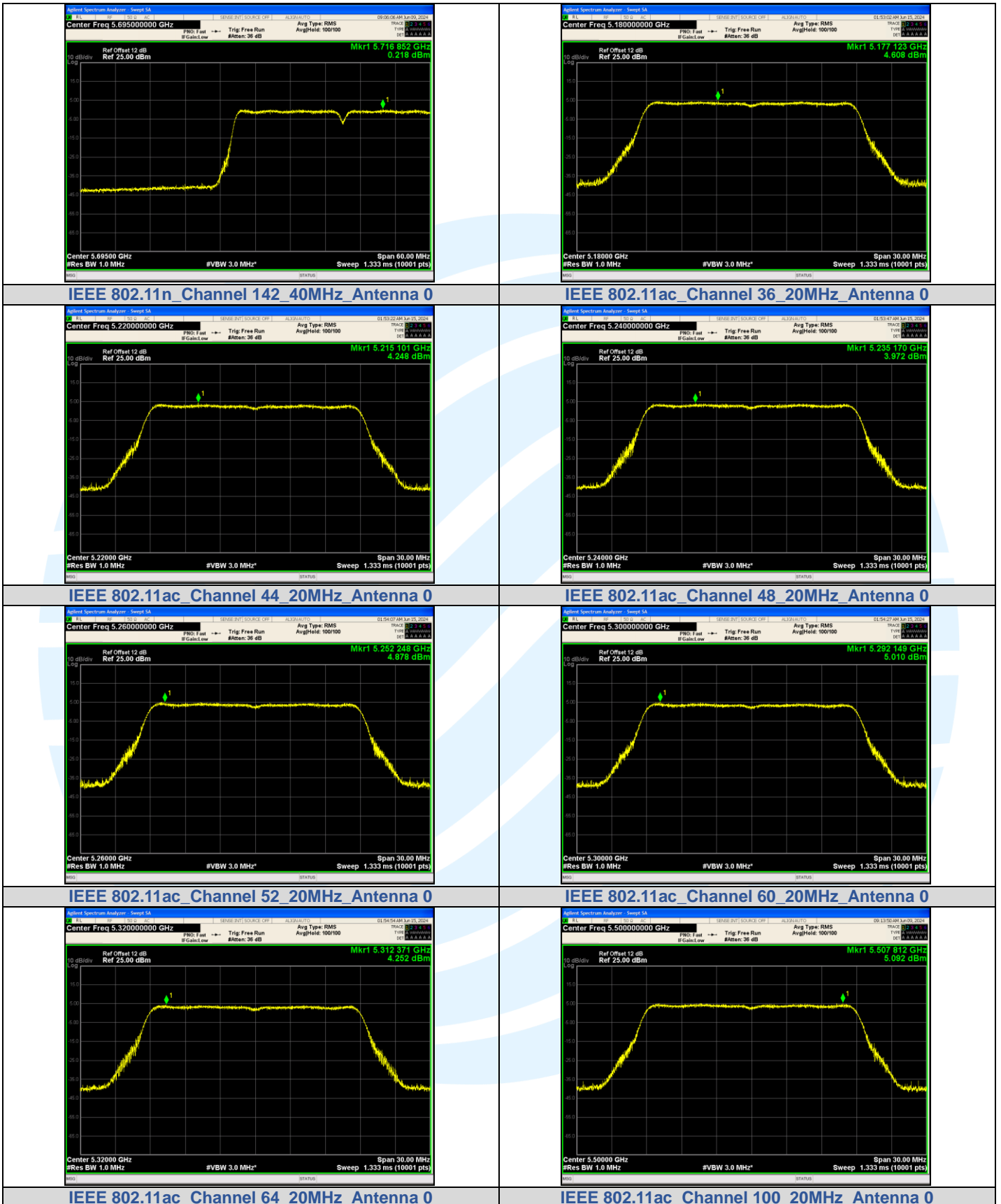
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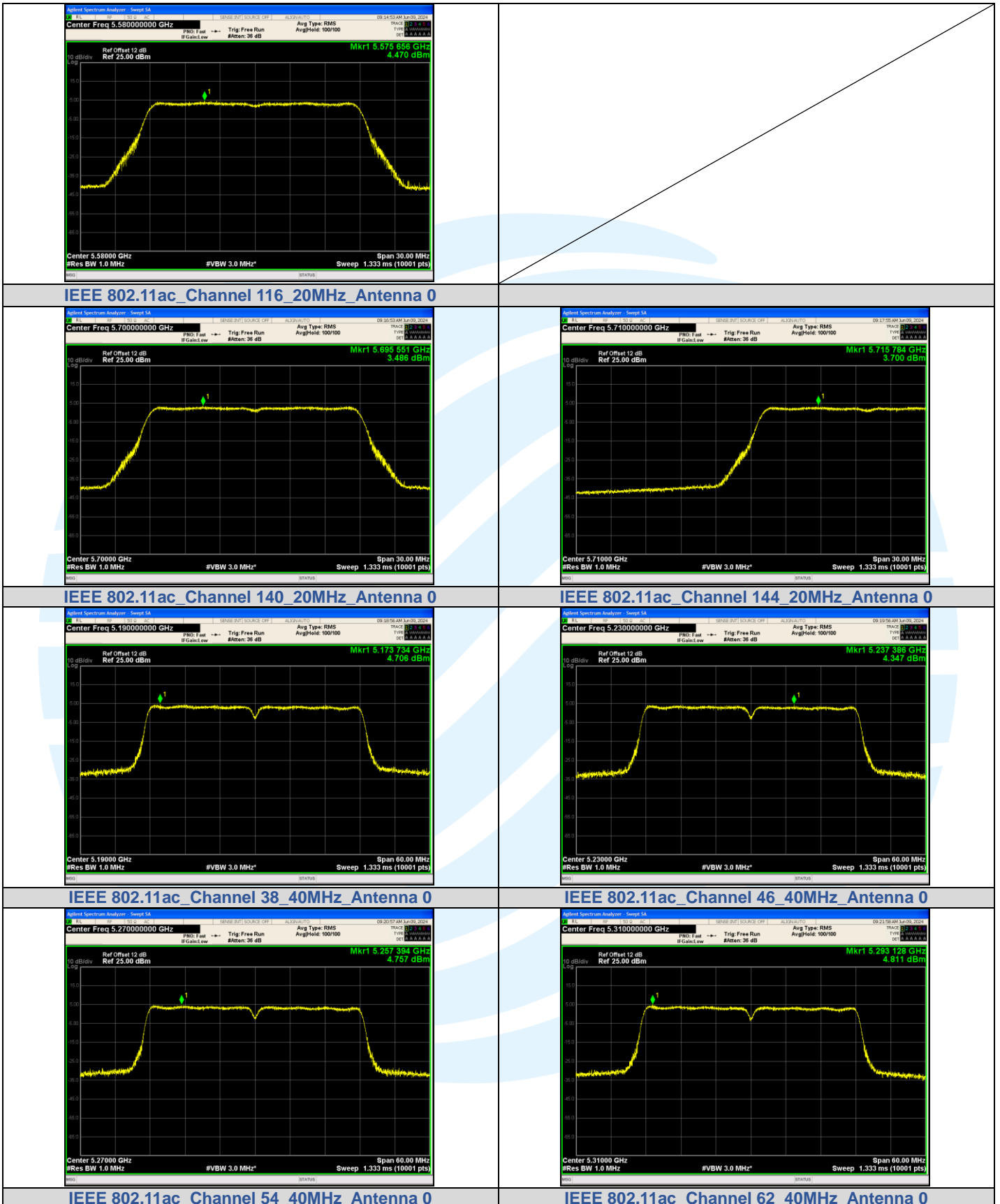
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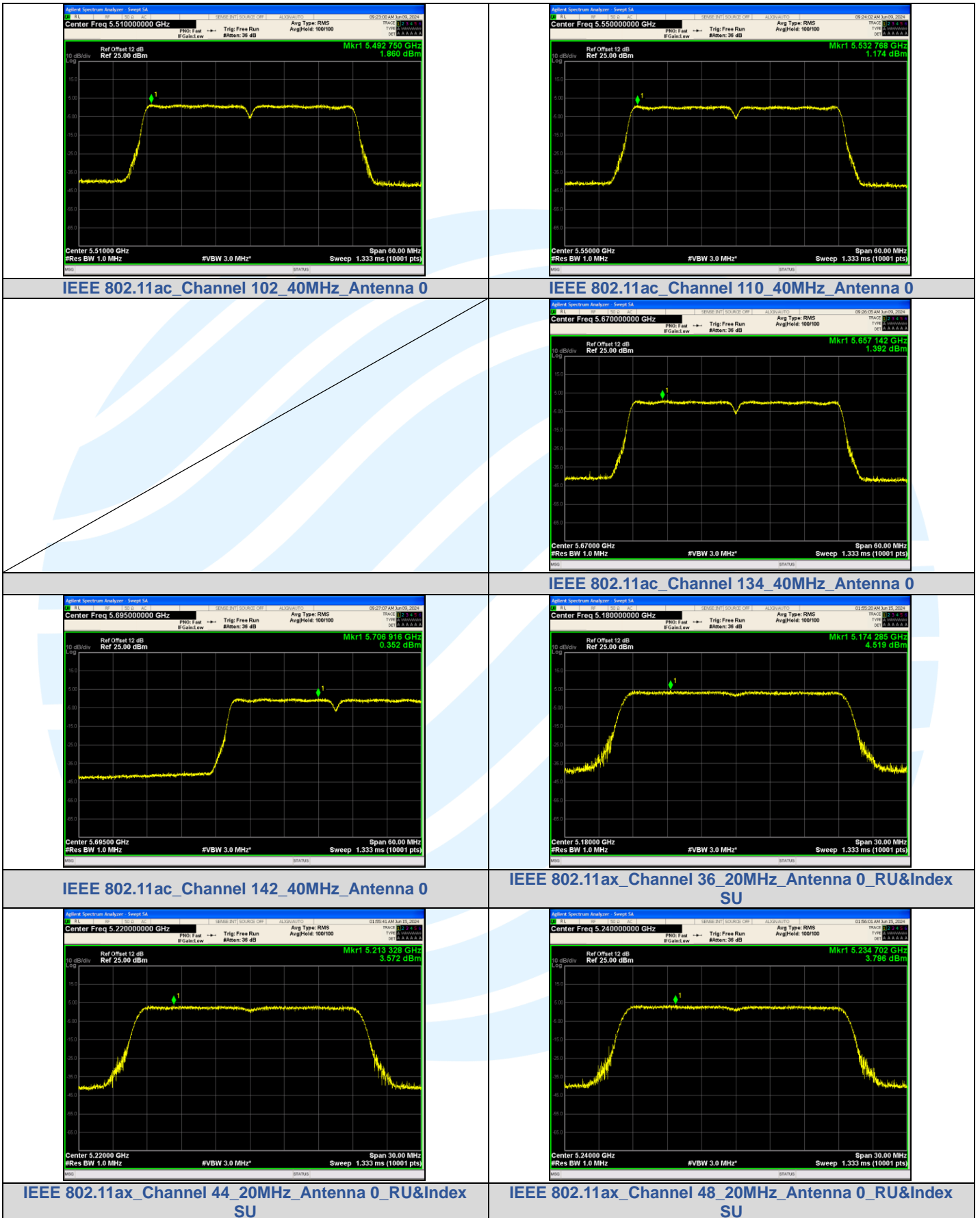
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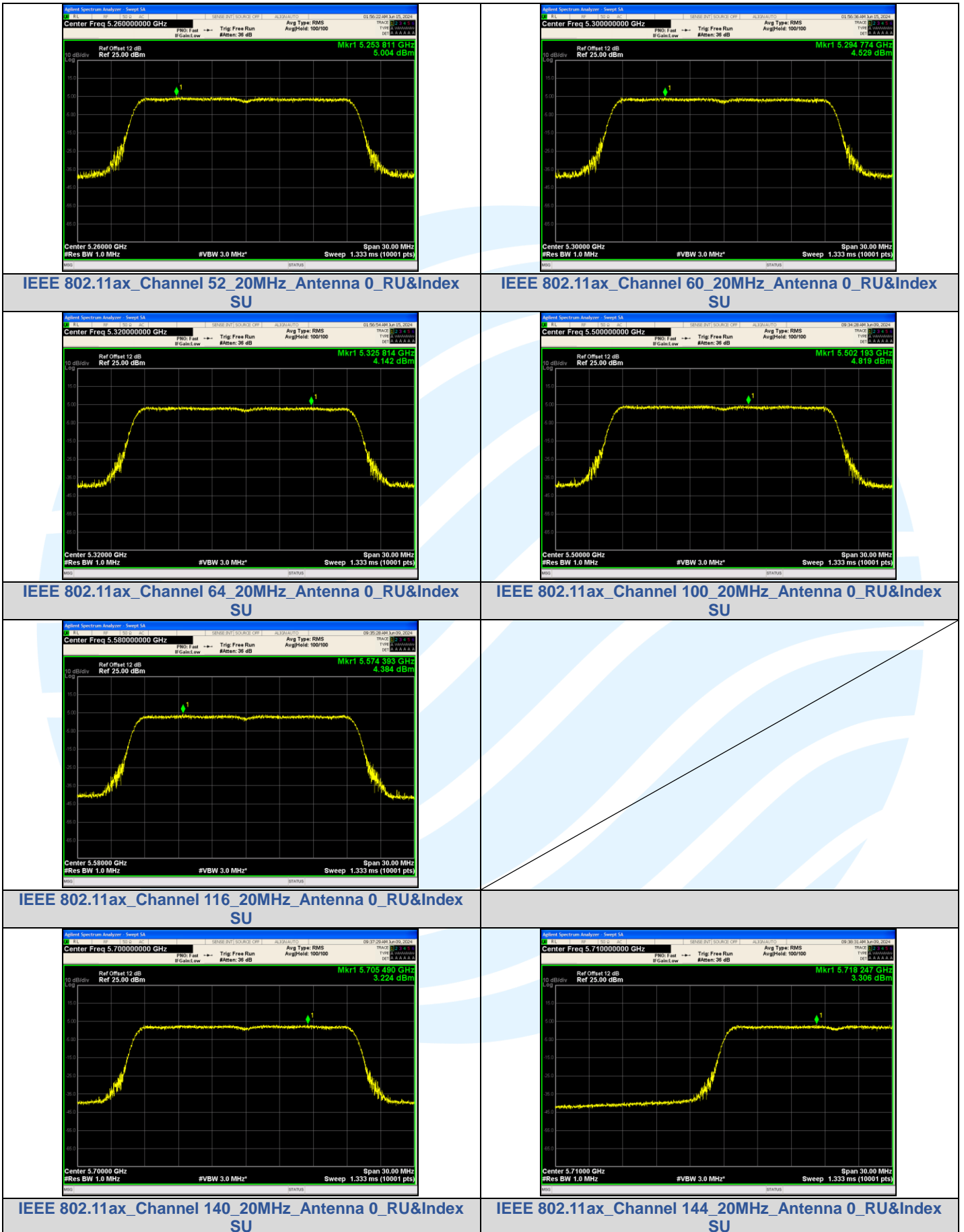
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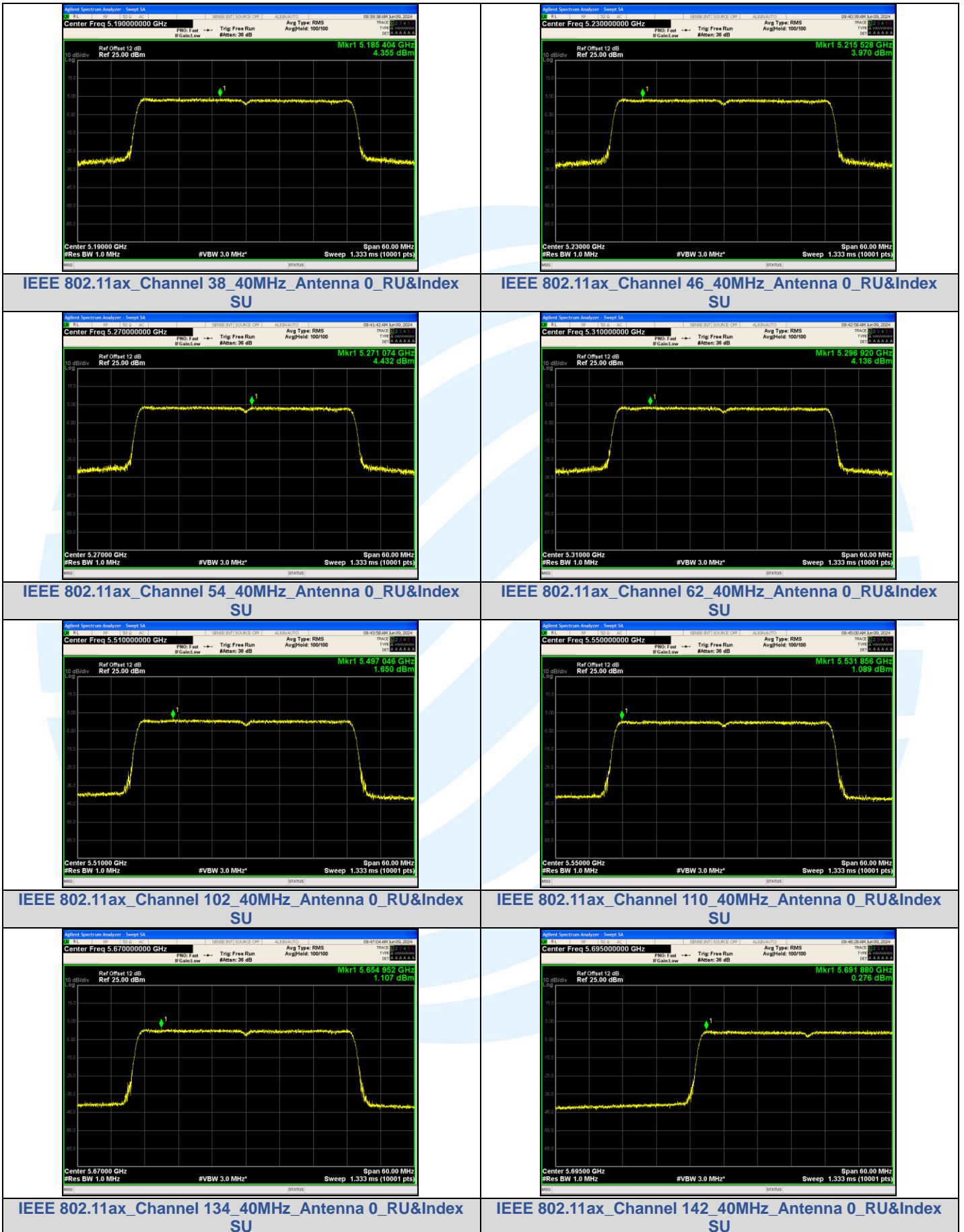
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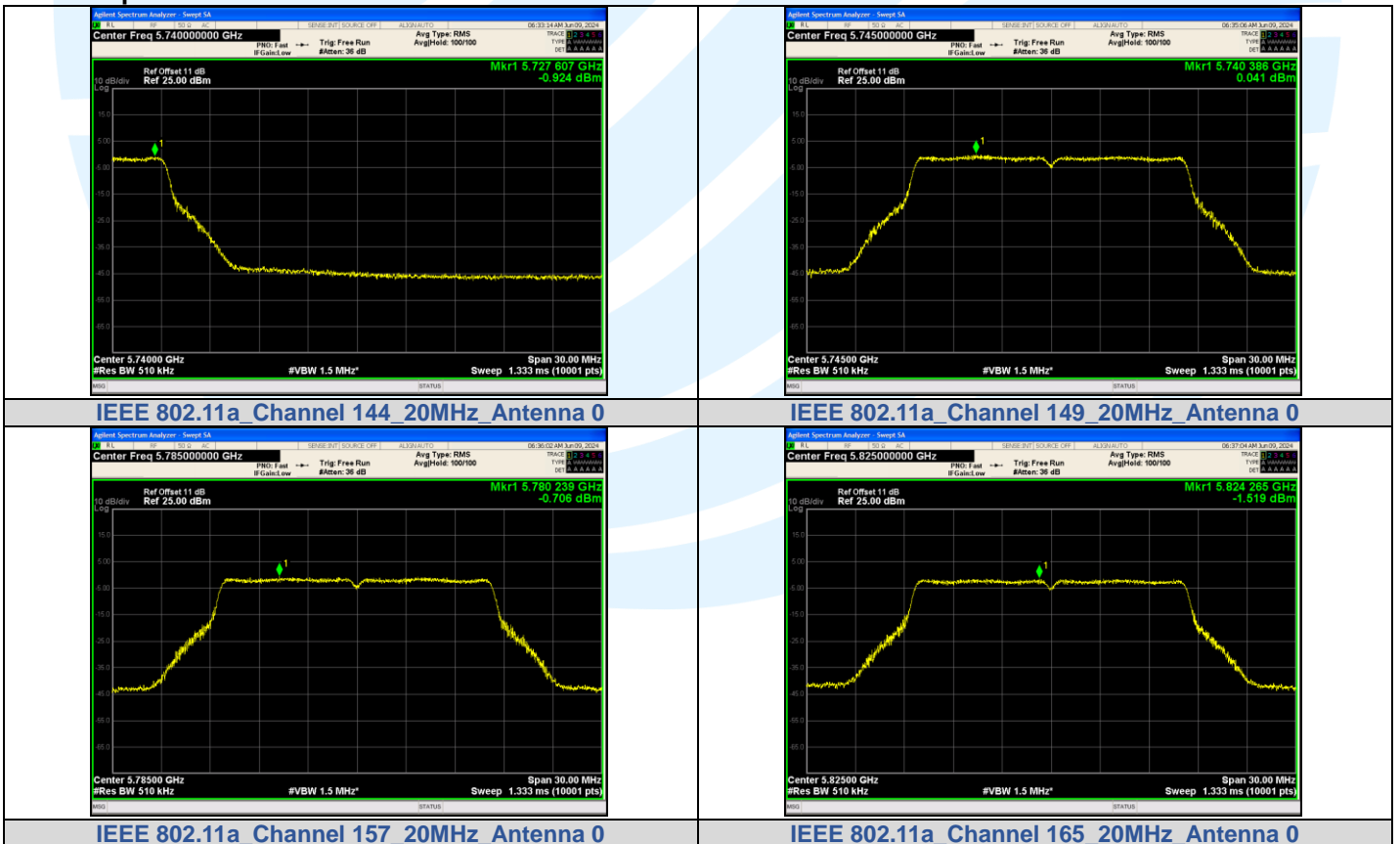
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For U-NII-3 Band:

Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	144	N/A	-0.924	-0.811	11	PASS
	149		0.041	0.154	30	PASS
	157		-0.706	-0.593		PASS
	165		-1.519	-1.406		PASS
IEEE 802.11n_20	144		-0.810	-0.693	11	PASS
	149		-0.364	-0.246	30	PASS
	157		-1.124	-1.007		PASS
	165		-0.813	-0.696		PASS
IEEE 802.11n_40	142		-4.107	-3.899	11	PASS
	151		-3.328	-3.12	30	PASS
	159		-3.757	-3.549		PASS
IEEE 802.11ac_20	144		-0.772	-0.662	11	PASS
	149		-0.585	-0.475	30	PASS
	157		-0.761	-0.651		PASS
IEEE 802.11ac_40	142		-4.054	-3.934	11	PASS
	151		-3.310	-3.19	30	PASS
	159	-3.873	-3.753	PASS		
IEEE 802.11ax_20	144	SU	-1.145	-1.009	11	PASS
	149		-0.717	-0.581	30	PASS
	157		-1.122	-0.986		PASS
	165		-1.644	-1.508		PASS
IEEE 802.11ax_40	142		-4.026	-3.899	11	PASS
	151		-3.381	-3.254	30	PASS
	159		-4.066	-3.939		PASS

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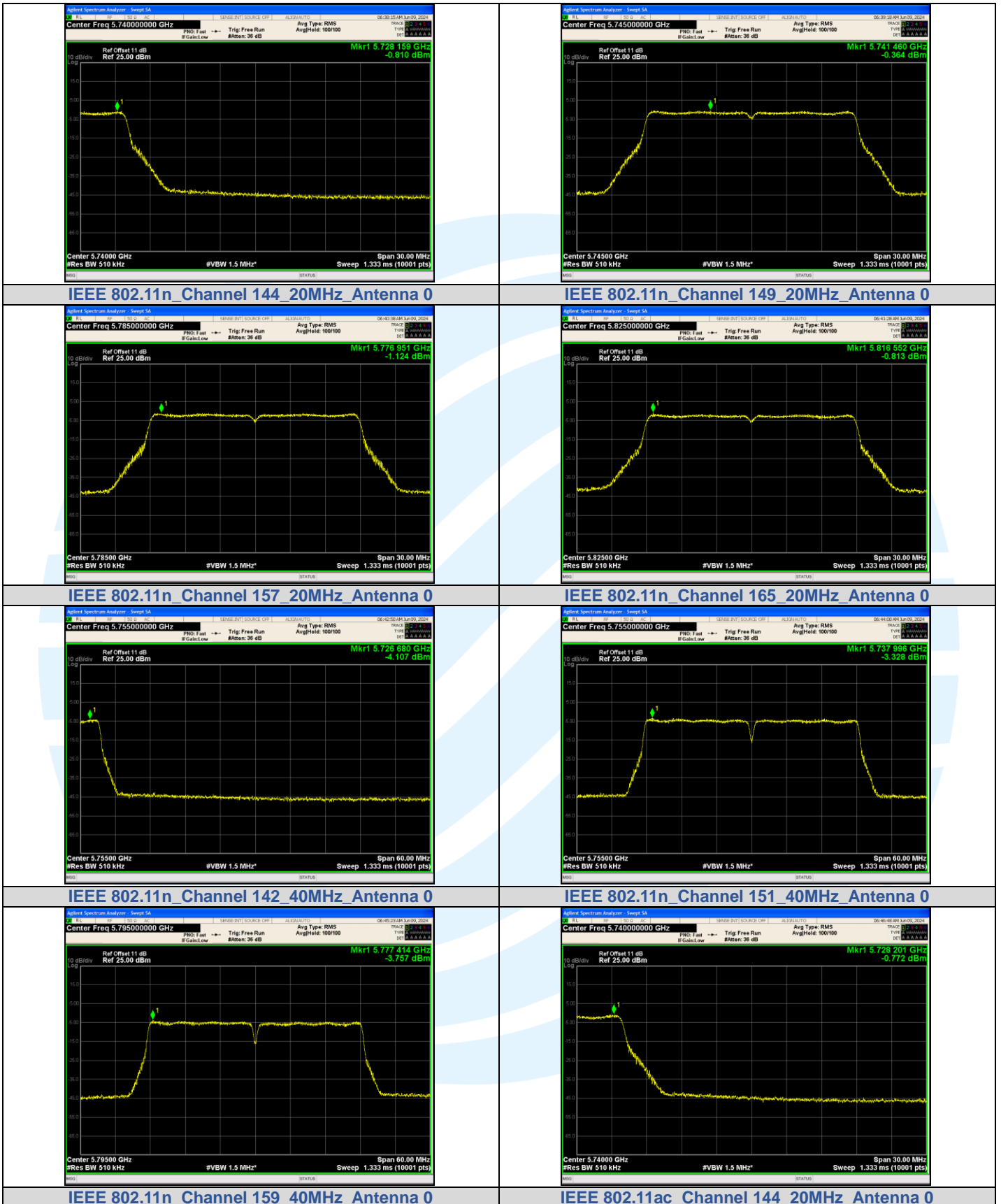
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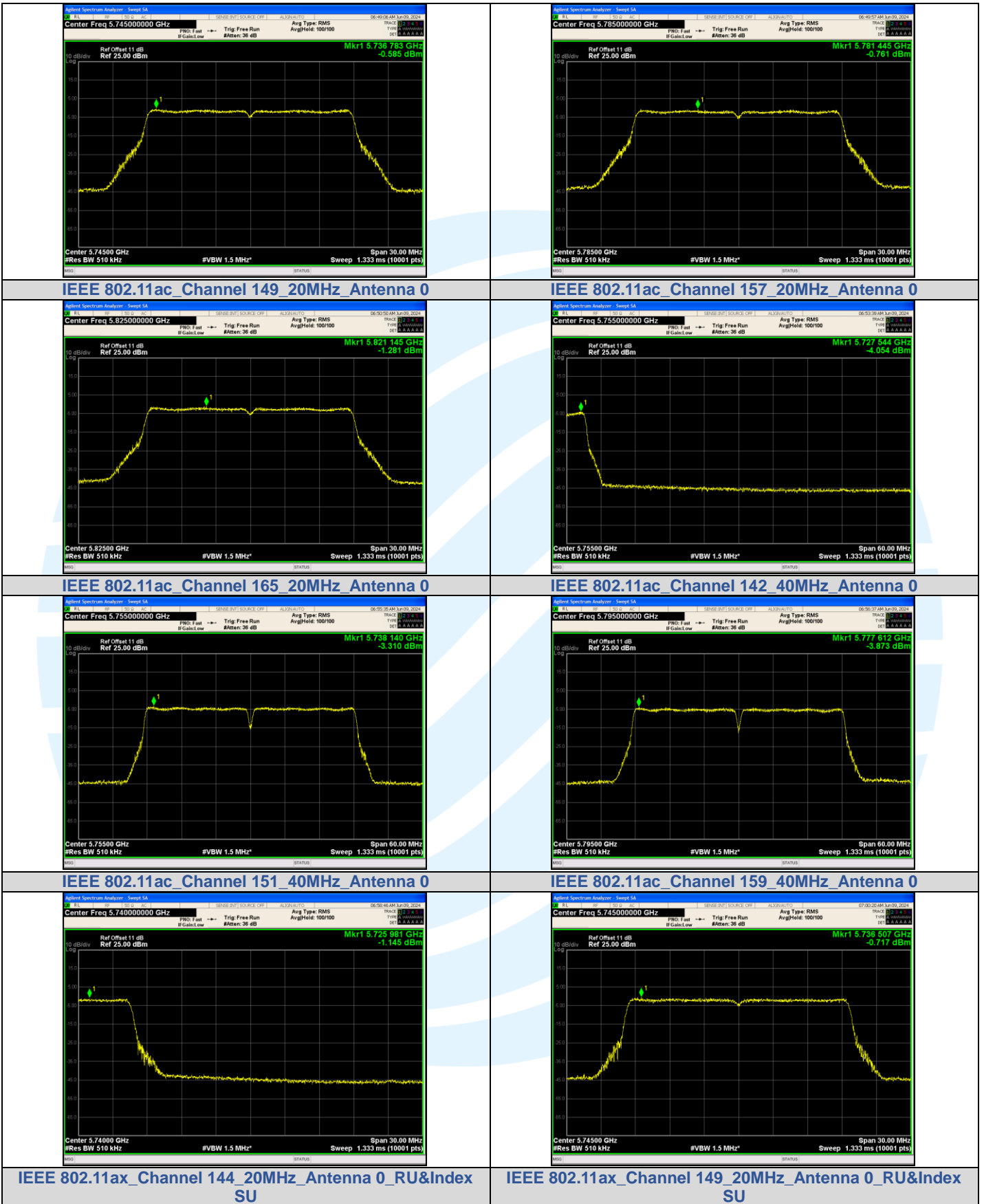
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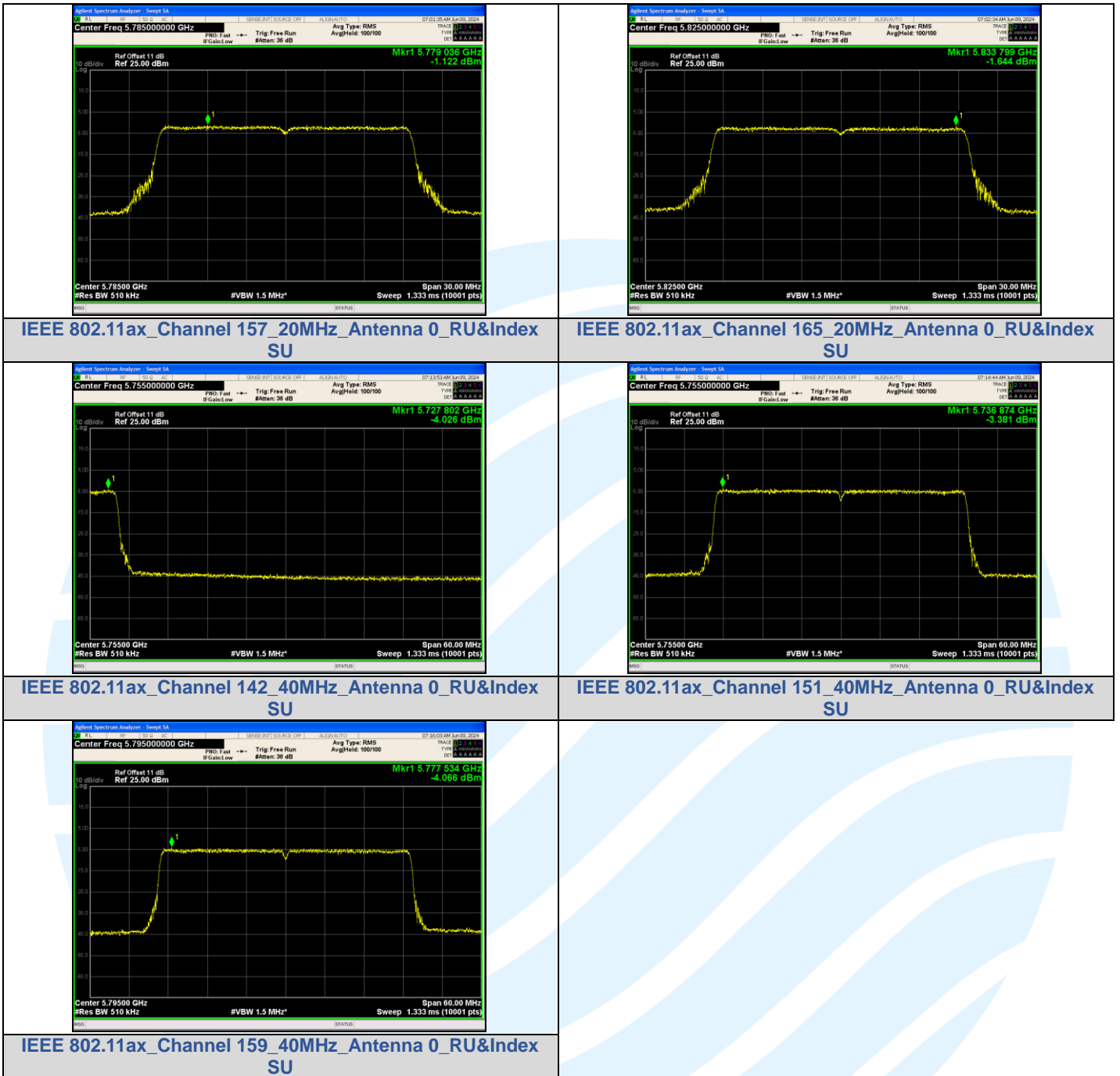
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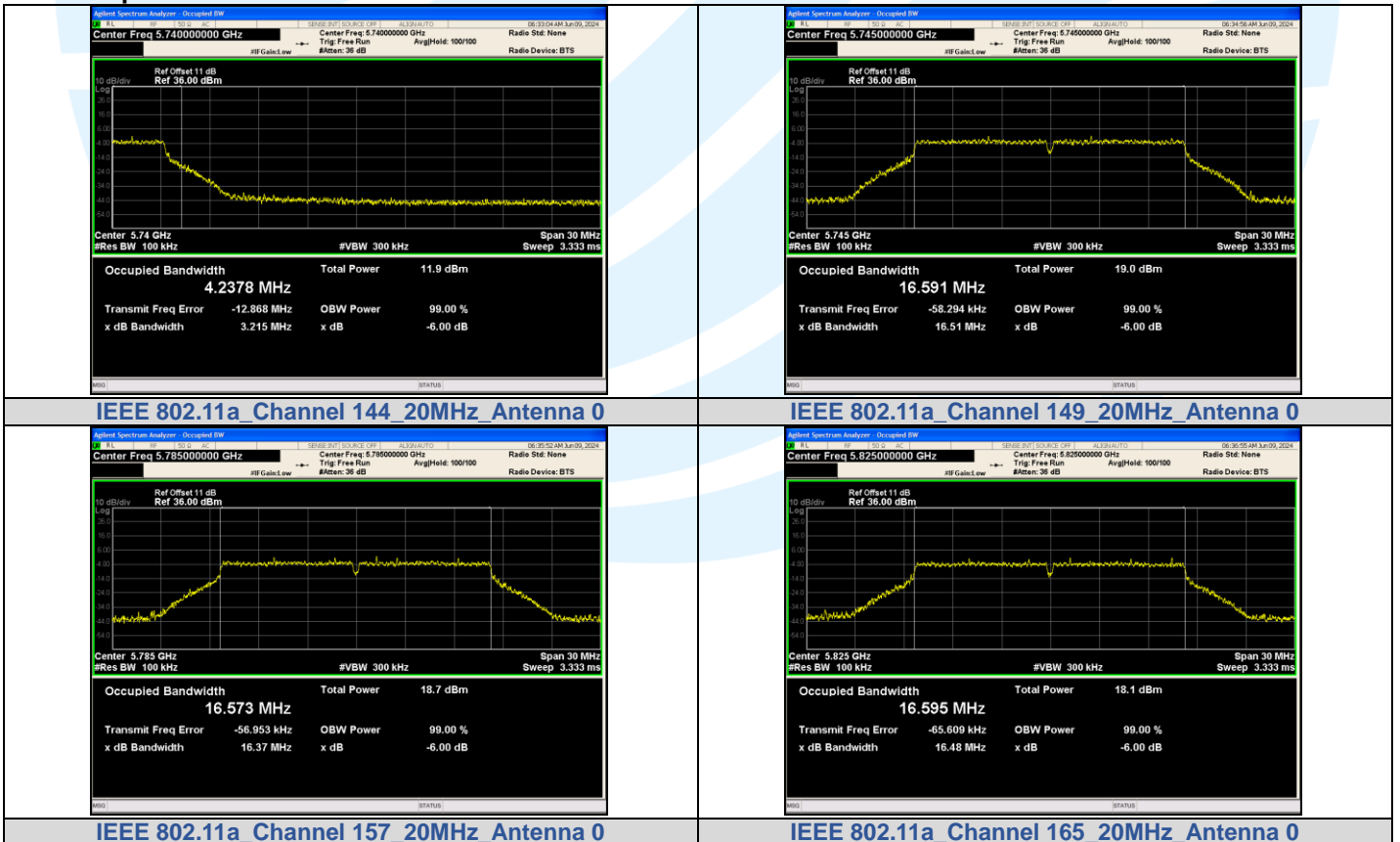
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A.4 6DB BANDWIDTH

For U-NII-3 Band:

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result	
IEEE 802.11a	144	N/A	0	5740	3.215	≥0.5	PASS	
	149			5745	16.51		PASS	
	157			5785	16.37		PASS	
	165			5825	16.48		PASS	
IEEE 802.11n_20	144			5740	3.876		PASS	
	149			5745	17.70		PASS	
	157			5785	17.75		PASS	
	165			5825	17.72		PASS	
IEEE 802.11n_40	142			5755	3.180		PASS	
	151			5755	36.35		PASS	
	159			5795	36.34		PASS	
IEEE 802.11ac_20	144			SU	5740		3.775	PASS
	149				5745		17.67	PASS
	157				5785		17.66	PASS
	165				5825		17.81	PASS
IEEE 802.11ac_40	142				5755		3.202	PASS
	151	5755	36.37		PASS			
	159	5795	36.39		PASS			
IEEE 802.11ax_20	144	SU	5740		4.531	PASS		
	149		5745		19.06	PASS		
	157		5785		19.03	PASS		
	165		5825		19.00	PASS		
IEEE 802.11ax_40	142		5755		4.068	PASS		
	151		5755	38.07	PASS			
	159		5795	38.07	PASS			

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