

## 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

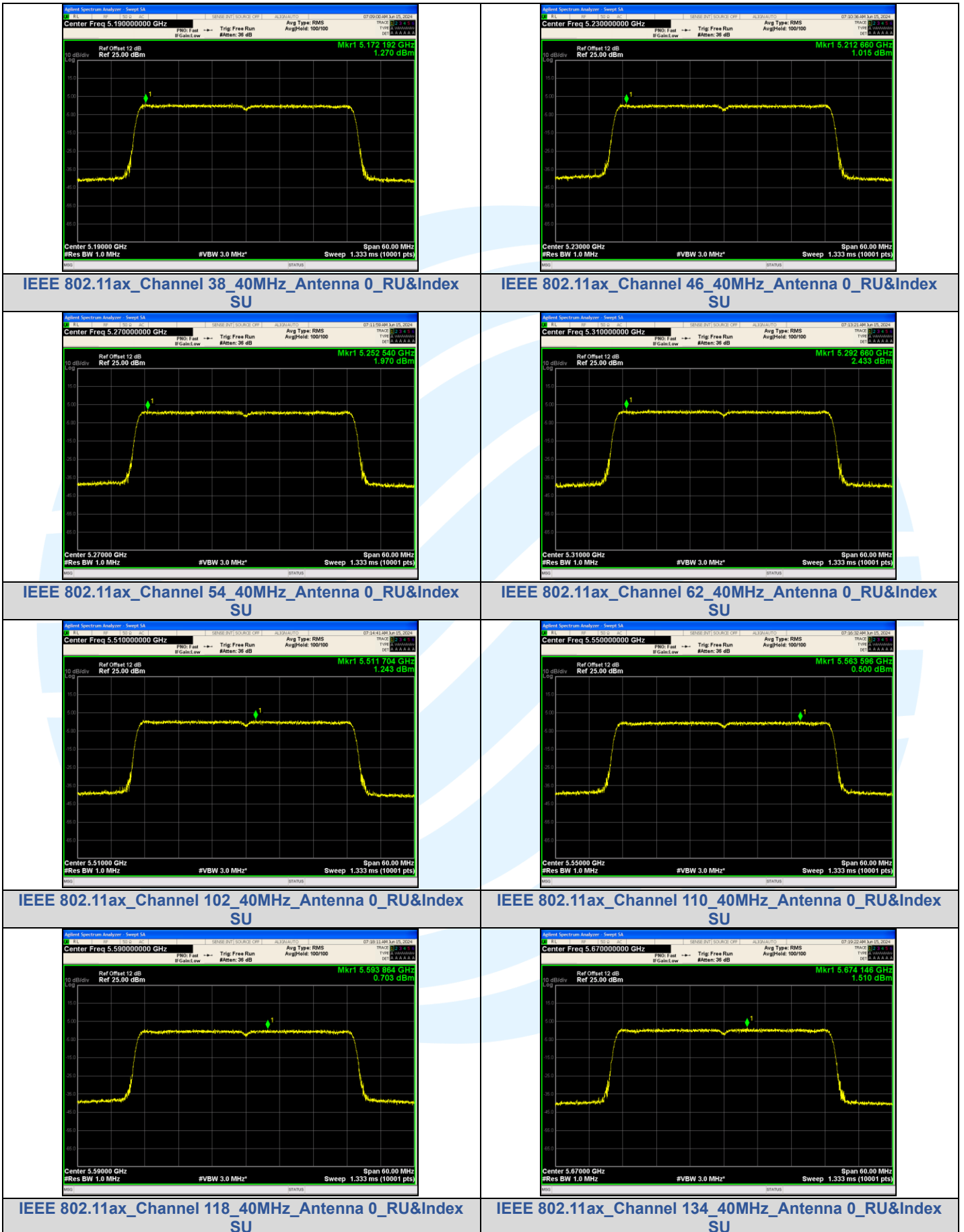
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UTTR-RF-RSS247-V1.1



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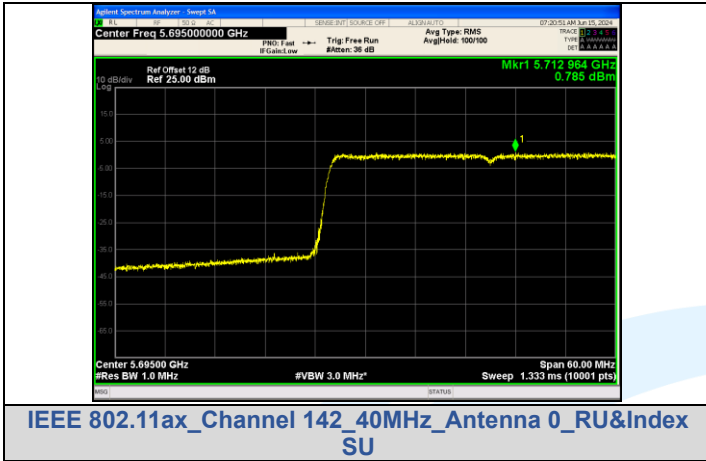
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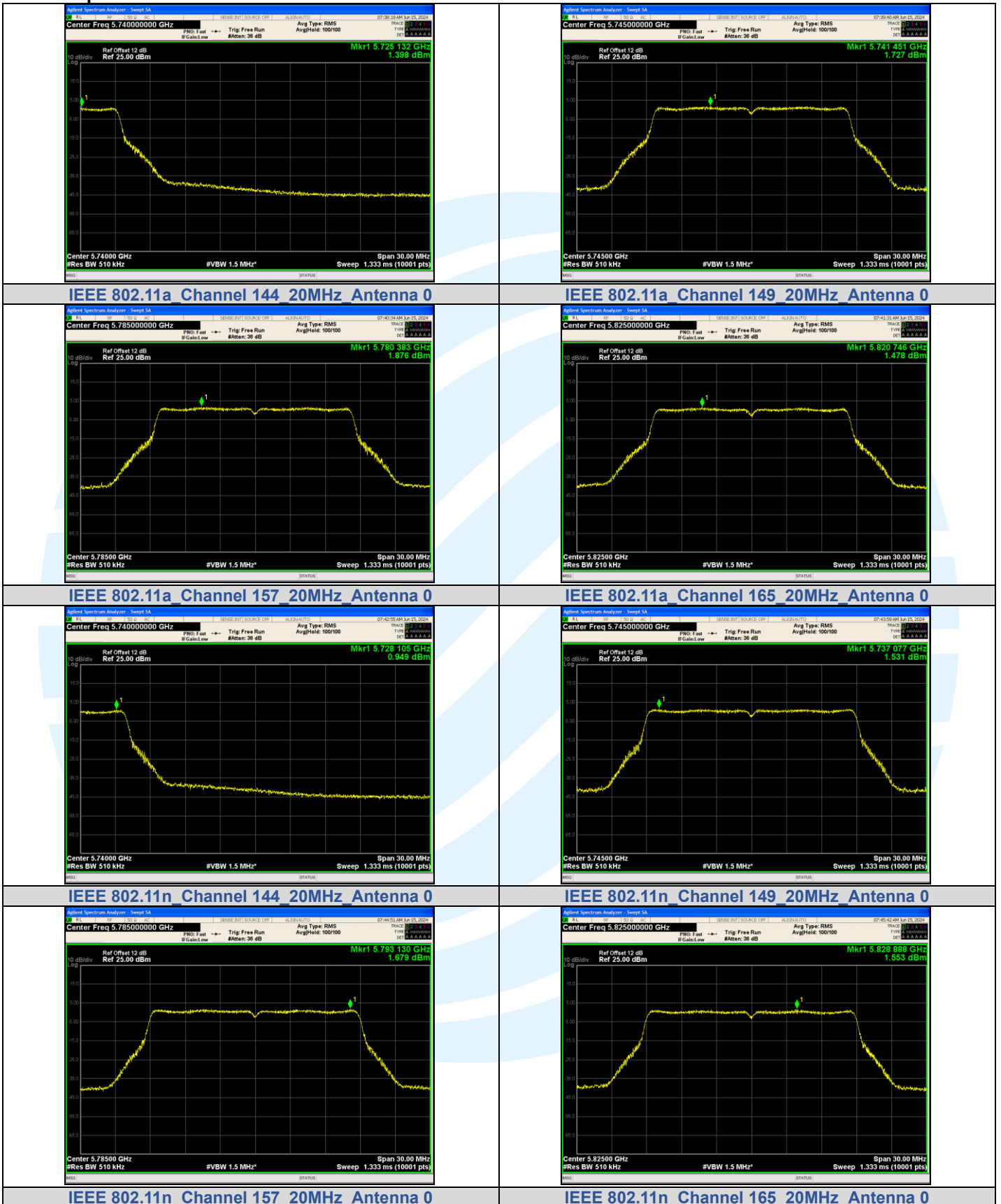
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For U-NII-3 band

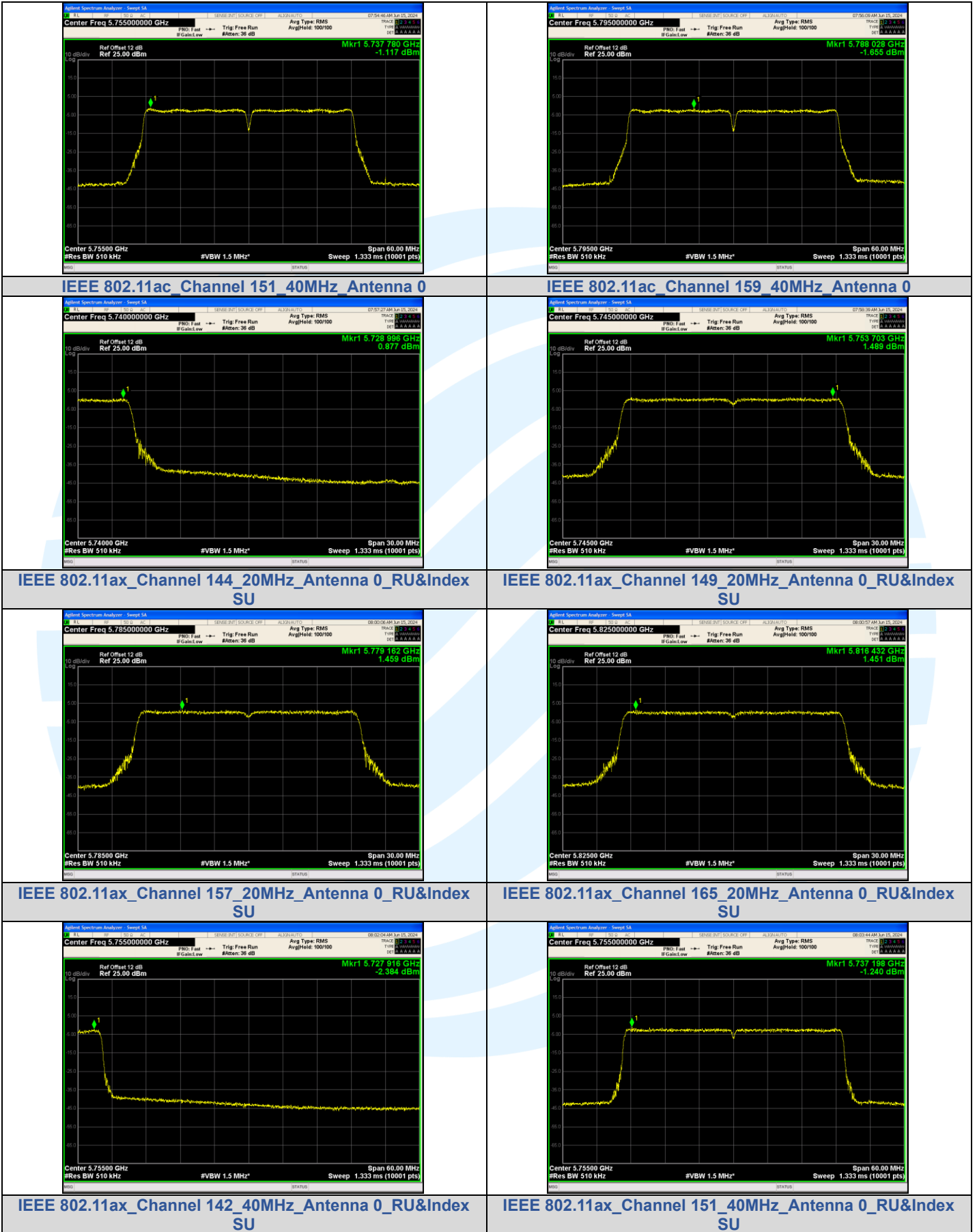
Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/0.5MHz)	Limit (dBm/0.5MHz)	Result
IEEE 802.11a	144	N/A	1.398	1.511	30	PASS
	149		1.727	1.84		PASS
	157		1.876	1.989		PASS
	165		1.478	1.591		PASS
IEEE 802.11n_20	144		0.949	1.058		PASS
	149		1.531	1.64		PASS
	157		1.679	1.788		PASS
	165		1.553	1.662		PASS
IEEE 802.11n_40	142		-1.937	-1.731		PASS
	151		-1.313	-1.107		PASS
	159		-1.430	-1.224		PASS
IEEE 802.11ac_20	144		1.253	1.361		PASS
	149		1.841	1.949		PASS
	157		1.882	1.99		PASS
	165		1.505	1.613		PASS
IEEE 802.11ac_40	142		-1.791	-1.671		PASS
	151	-1.117	-0.997	PASS		
	159	-1.655	-1.535	PASS		
IEEE 802.11ax_20	144	SU	0.877	1.012	PASS	
	149		1.489	1.624	PASS	
	157		1.459	1.594	PASS	
	165		1.451	1.586	PASS	
IEEE 802.11ax_40	142		-2.384	-2.259	PASS	
	151		-1.240	-1.115	PASS	
	159		-1.534	-1.409	PASS	

## Test Graphs









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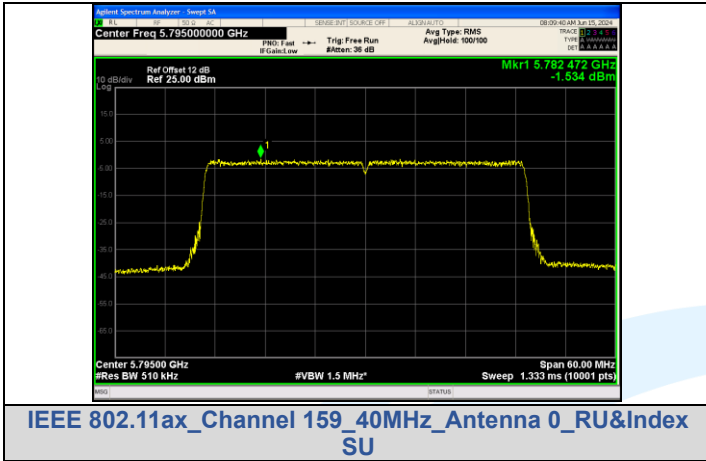
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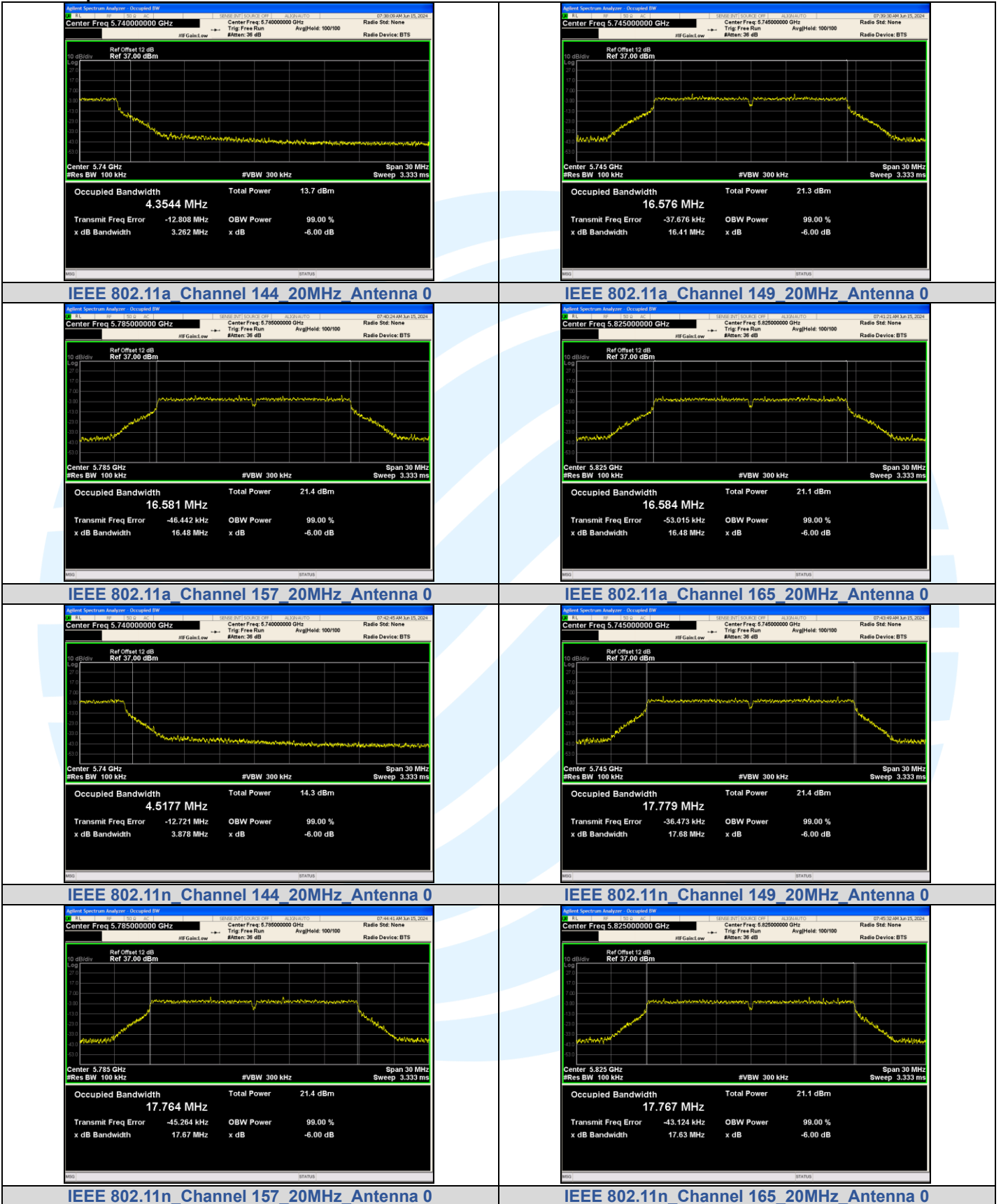
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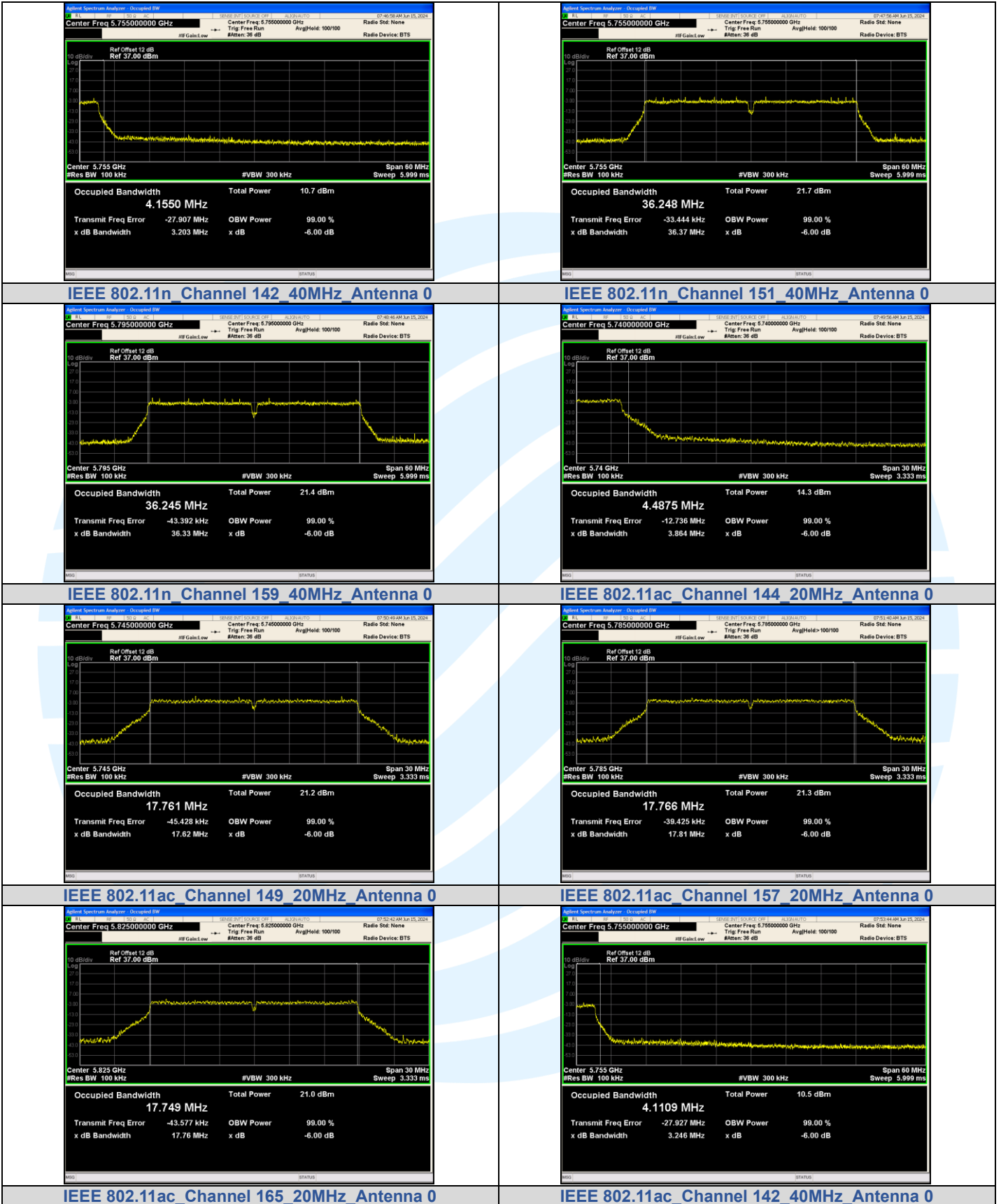
### A.4 6DB BANDWIDTH

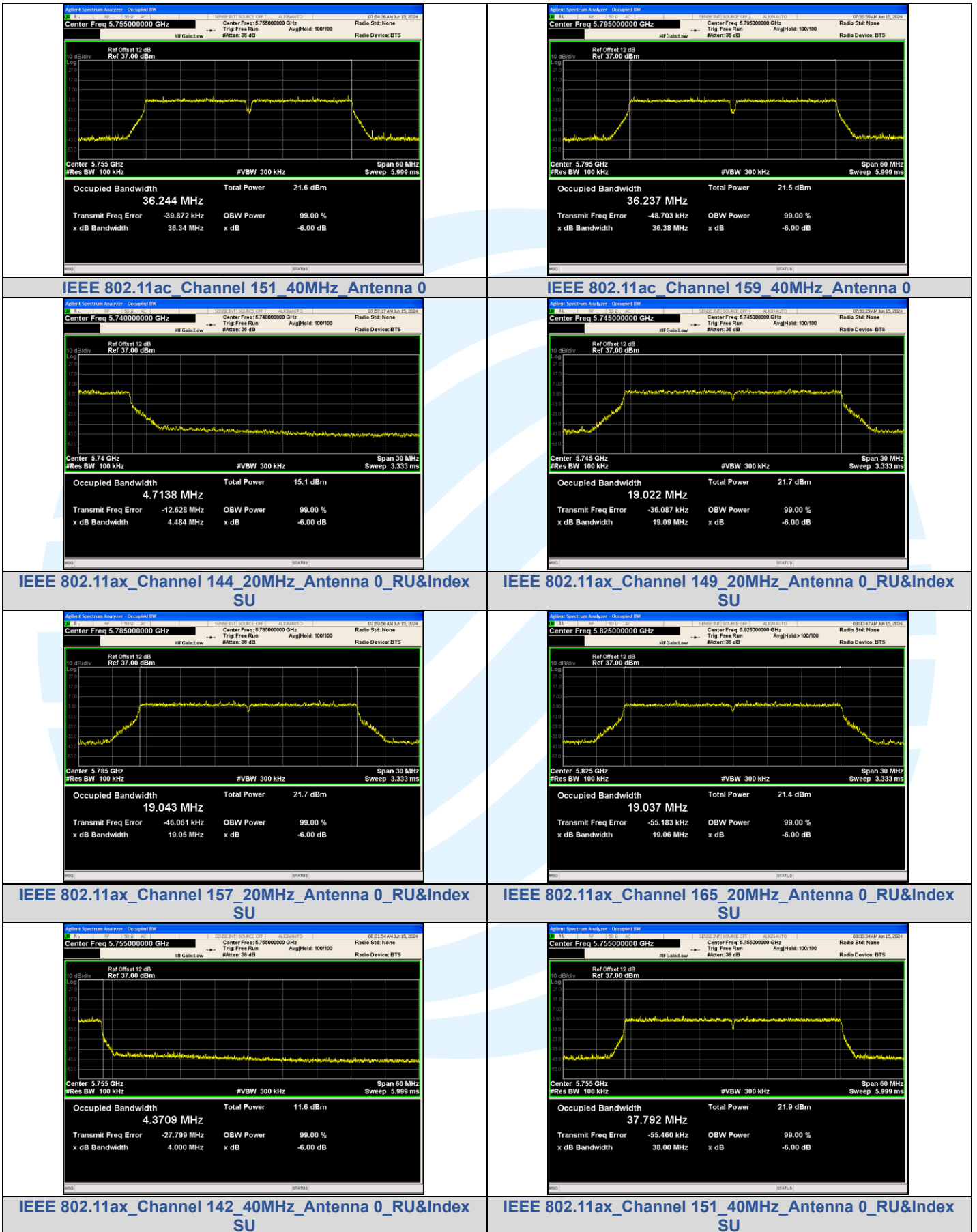
For U-NII-3 band

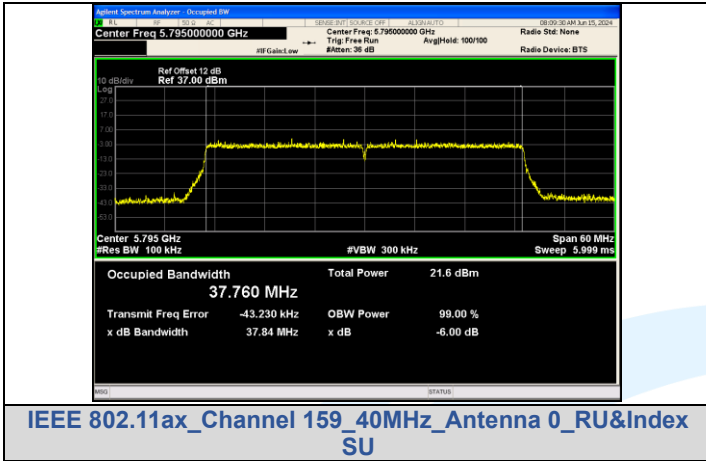
Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	144	N/A	0	5740	3.262	0.5	PASS
	149			5745	16.41		PASS
	157			5785	16.48		PASS
	165			5825	16.48		PASS
IEEE 802.11n_20	144			5740	3.878		PASS
	149			5745	17.68		PASS
	157			5785	17.67		PASS
	165			5825	17.63		PASS
IEEE 802.11n_40	142			5755	3.203		PASS
	151			5755	36.37		PASS
	159			5795	36.33		PASS
IEEE 802.11ac_20	144			5740	3.864		PASS
	149			5745	17.62		PASS
	157			5785	17.81		PASS
	165			5825	17.76		PASS
IEEE 802.11ac_40	142			5755	3.246		PASS
	151	5755	36.34	PASS			
	159	5795	36.38	PASS			
	144	5740	4.484	PASS			
IEEE 802.11ax_20	149	5745	19.09	PASS			
	157	5785	19.05	PASS			
	165	5825	19.06	PASS			
	142	5755	4.000	PASS			
IEEE 802.11ax_40	151	5755	38.00	PASS			
	159	5795	37.84	PASS			
	144	5740	4.484	PASS			

## Test Graphs









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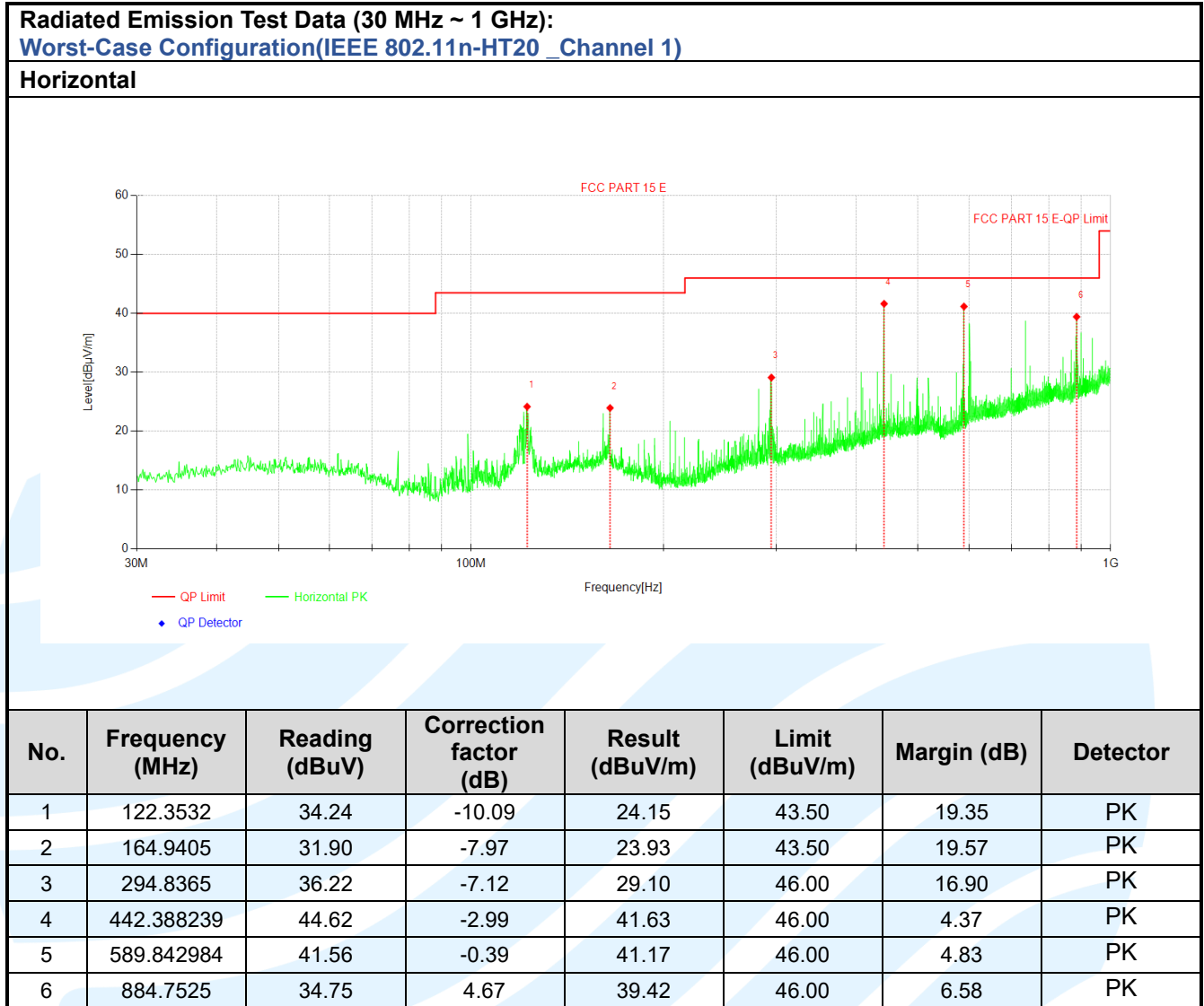
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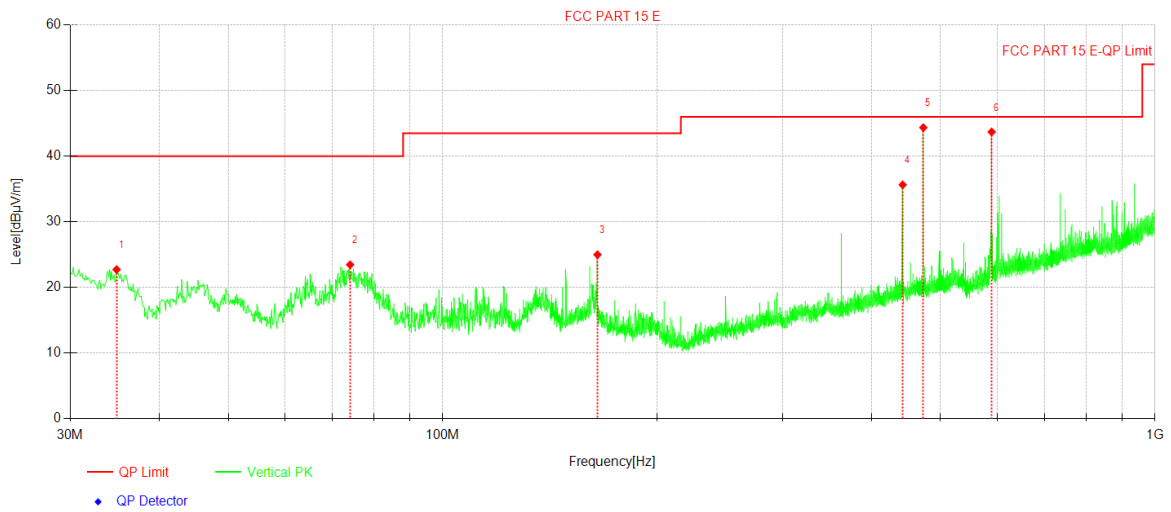
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## A.5 RADIATED SPURIOUS EMISSIONS& BAND EDGE MEASUREMENTS (RADIATED)



**Vertical**



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	34.8505	32.07	-9.36	22.71	40.00	17.29	PK
2	74.1394	34.43	-10.98	23.45	40.00	16.55	PK
3	164.9405	32.95	-7.97	24.98	43.50	18.52	PK
4	442.3882	38.63	-2.99	35.64	46.00	10.36	PK
5	472.946295	46.63	-2.27	44.36	46.00	1.64	PK
6	589.842984	44.09	-0.39	43.70	46.00	2.30	PK

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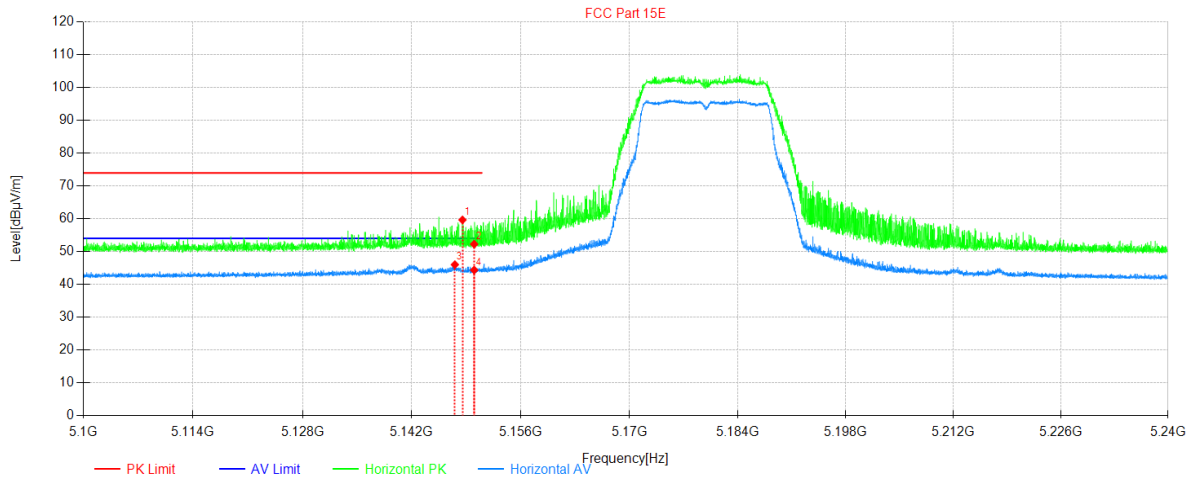
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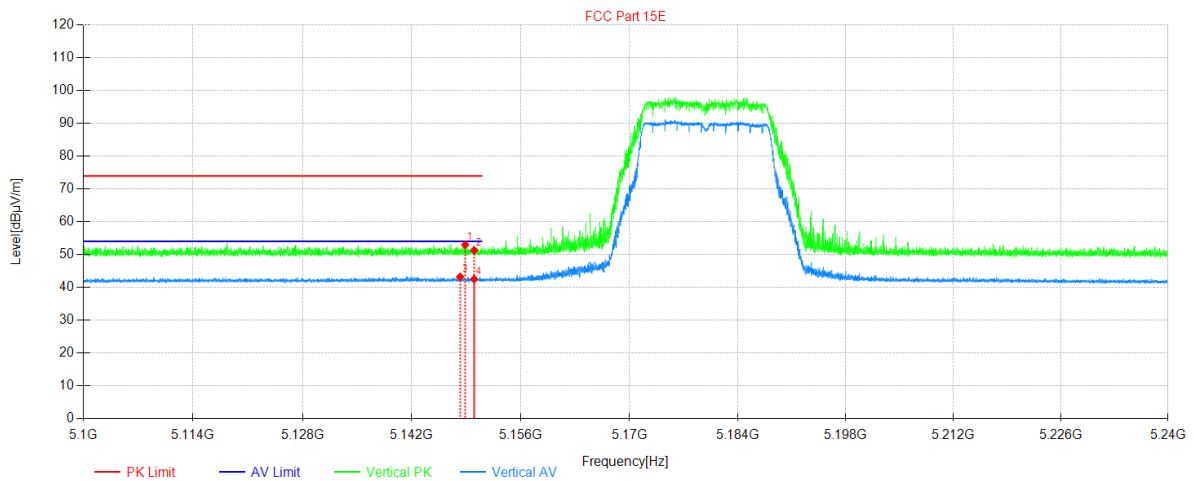
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## IEEE 802.11a\_Channel 36 Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5148.514	54.65	5.01	59.66	74.00	14.34	150	182	PK	Horizontal	PASS
2	5150.013	47.24	5.01	52.25	74.00	21.75	150	139	PK	Horizontal	PASS
3	5147.534	41.00	5.01	46.01	54.00	7.99	150	182	AV	Horizontal	PASS
4	5150.013	39.35	5.01	44.36	54.00	9.64	150	165	AV	Horizontal	PASS

## Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	5148.864	47.97	5.01	52.98	74.00	21.02	150	181	PK	Vertical	PASS
2	5150.013	46.27	5.01	51.28	74.00	22.72	150	191	PK	Vertical	PASS
3	5148.206	38.19	5.01	43.20	54.00	10.80	150	305	AV	Vertical	PASS
4	5150.013	37.48	5.01	42.49	54.00	11.51	150	39	AV	Vertical	PASS

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