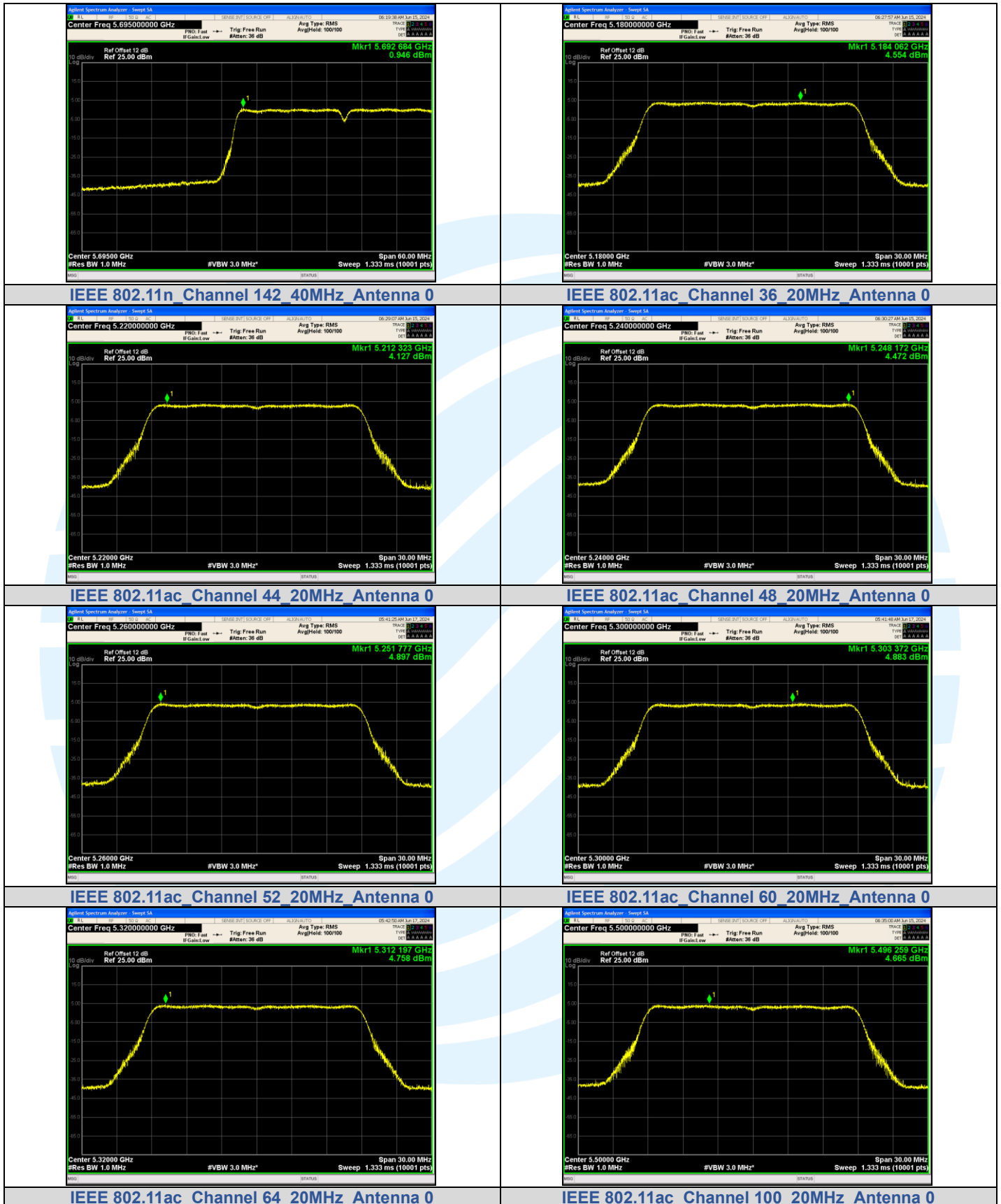
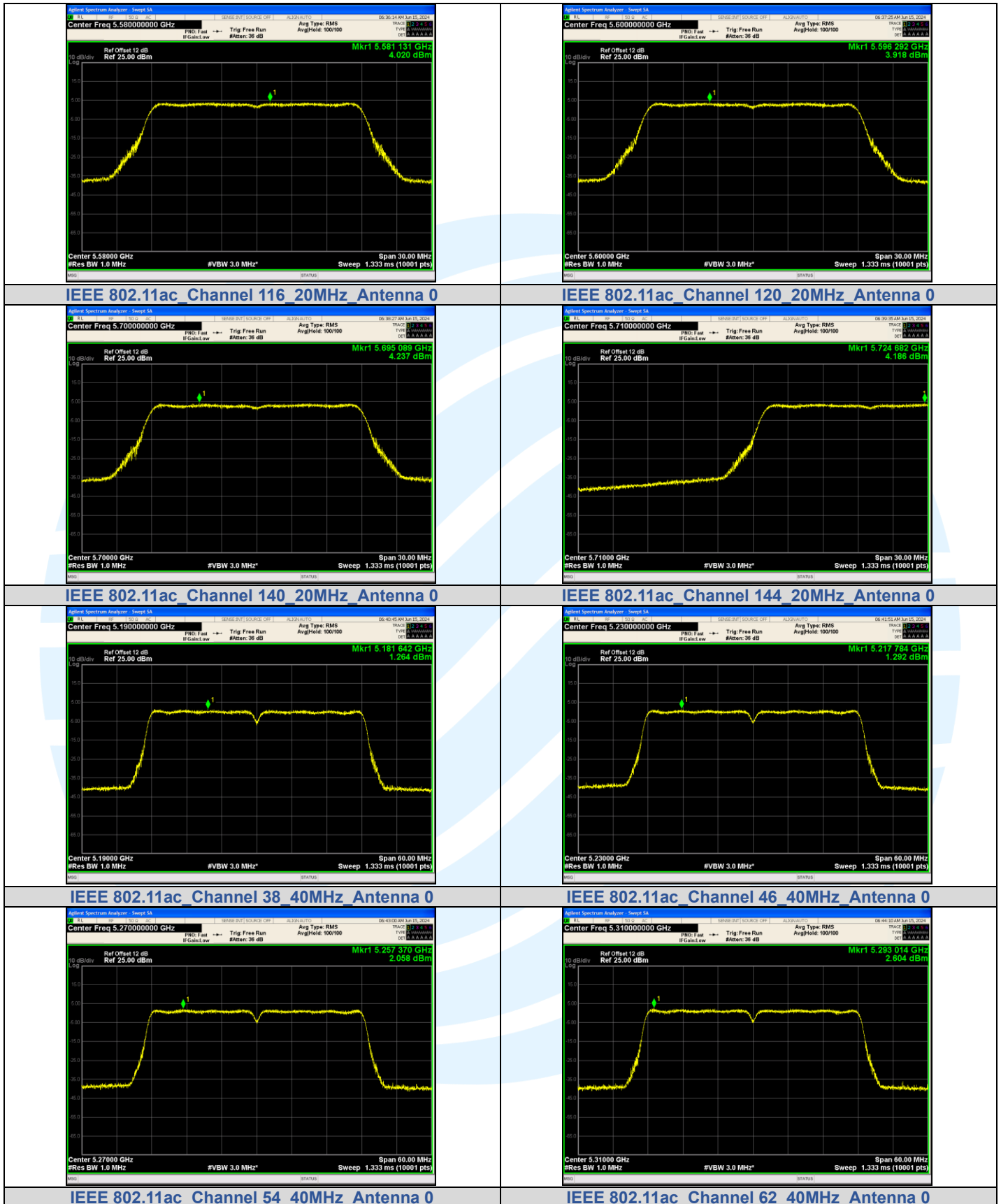
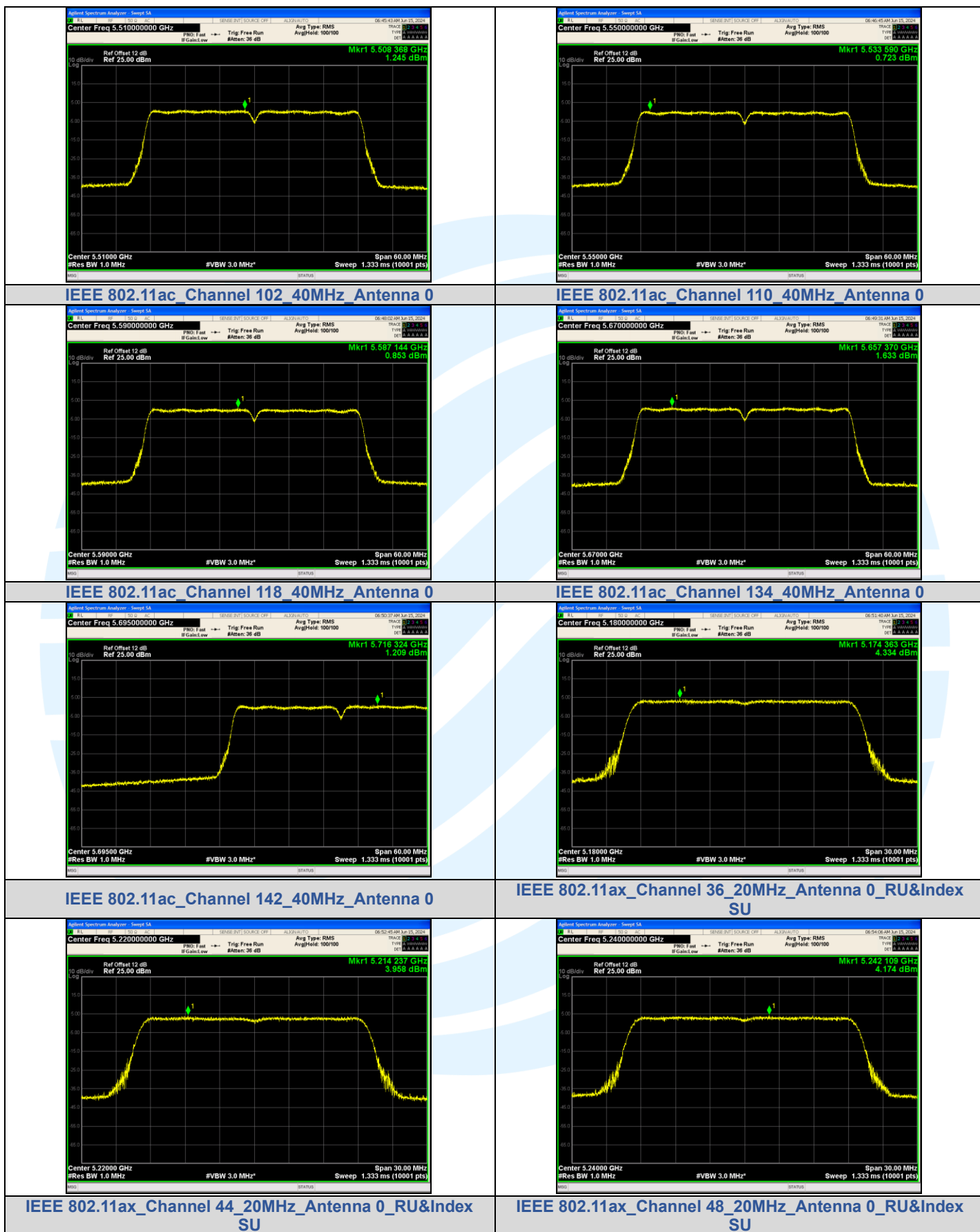
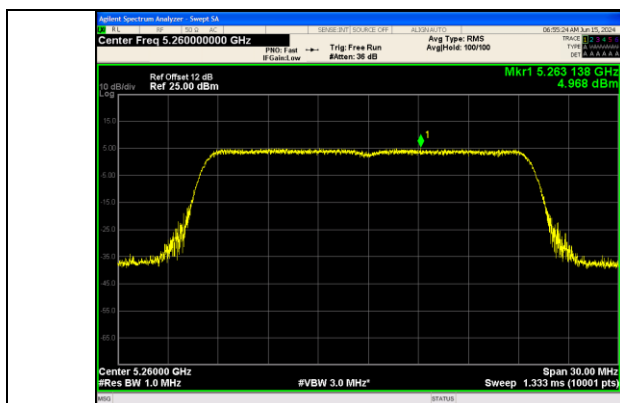


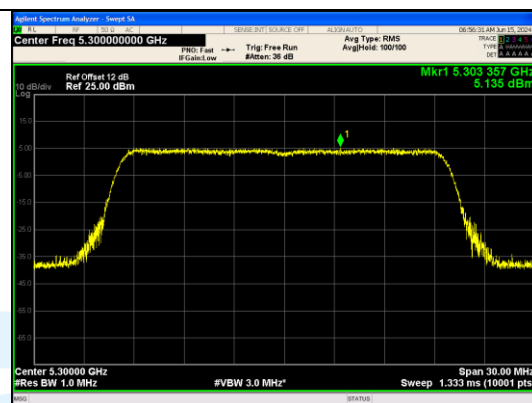




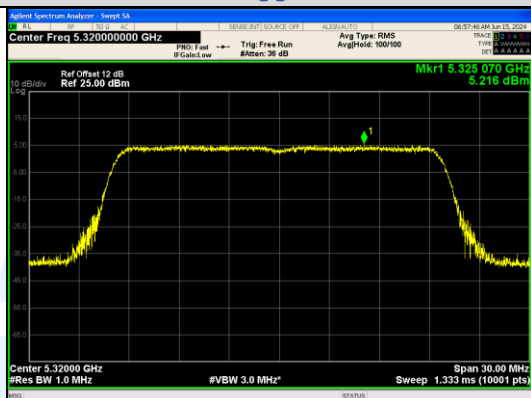




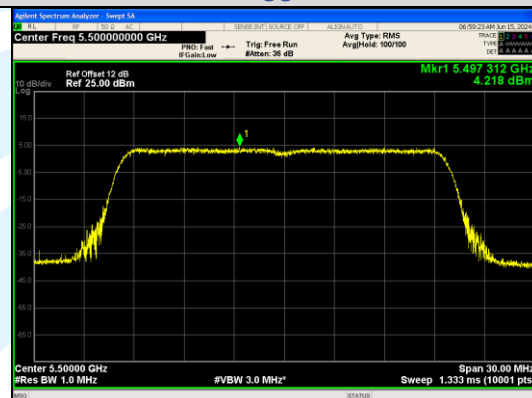
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



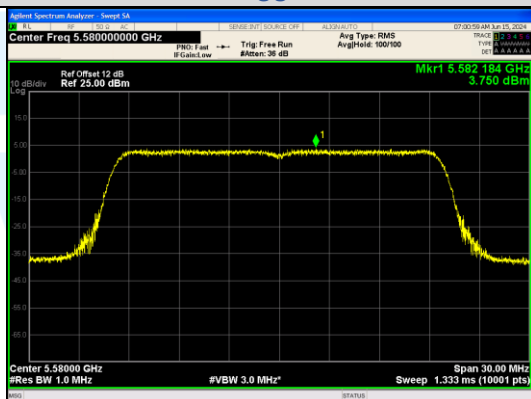
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



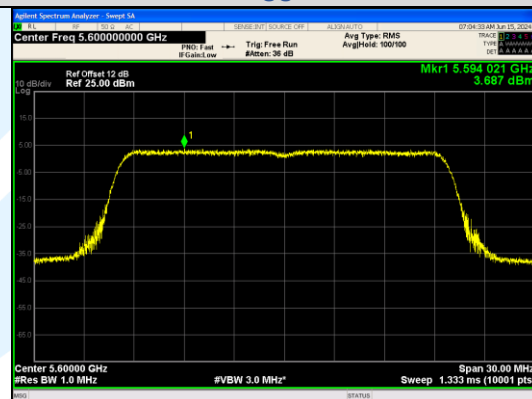
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



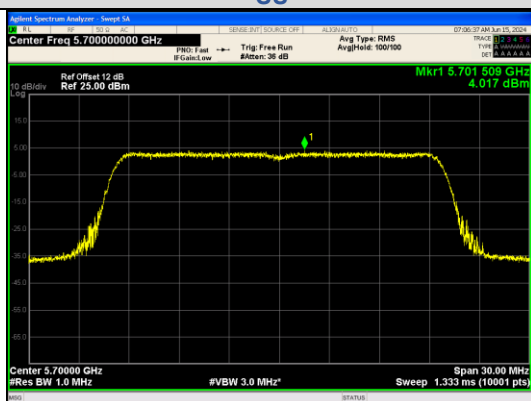
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



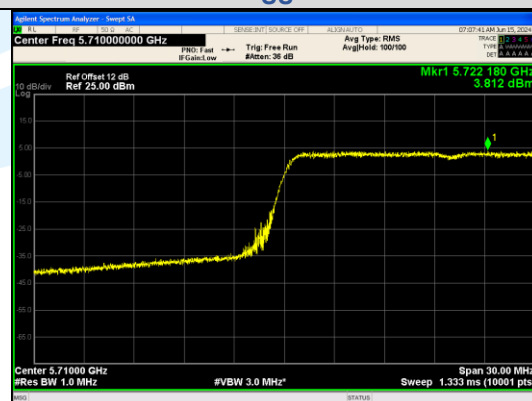
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



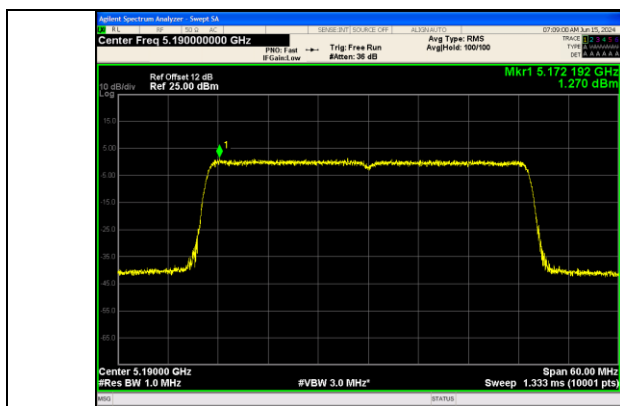
IEEE 802.11ax_Channel 120_20MHz_Antenna 0_RU&Index SU



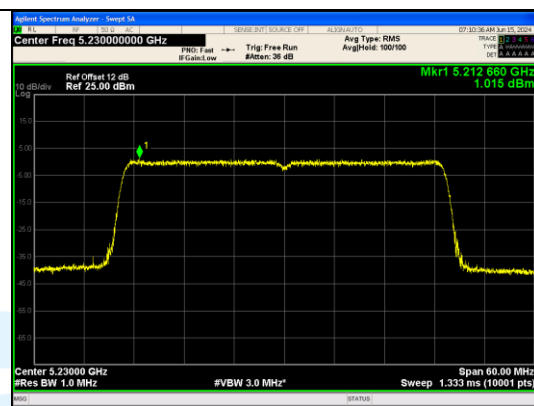
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



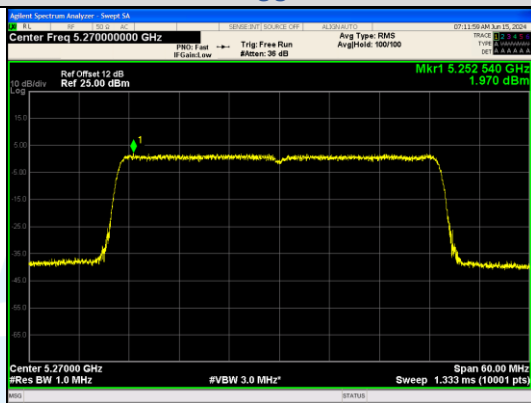
IEEE 802.11ax_Channel 144_20MHz_Antenna 0_RU&Index SU



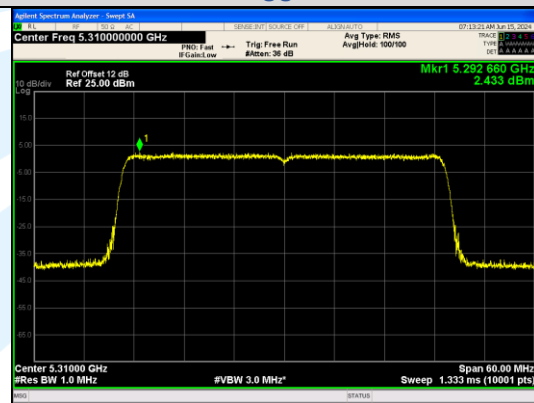
IEEE 802.11ax_Channel 38_40MHz_Antenna 0_RU&Index SU



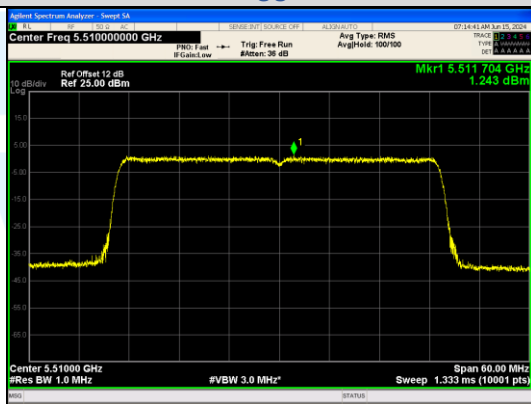
IEEE 802.11ax_Channel 46_40MHz_Antenna 0_RU&Index SU



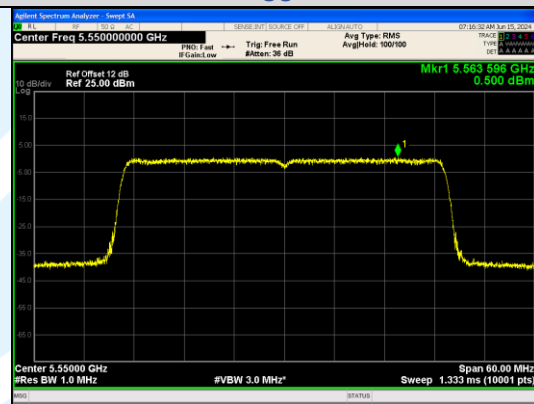
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



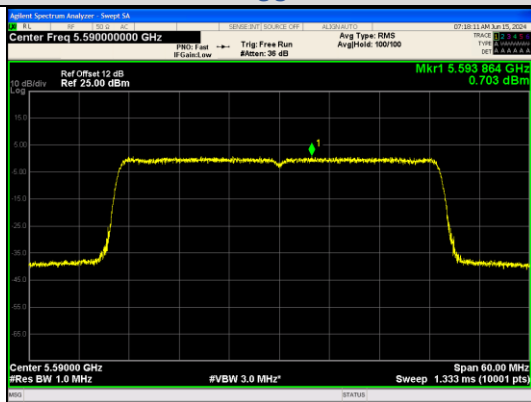
IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



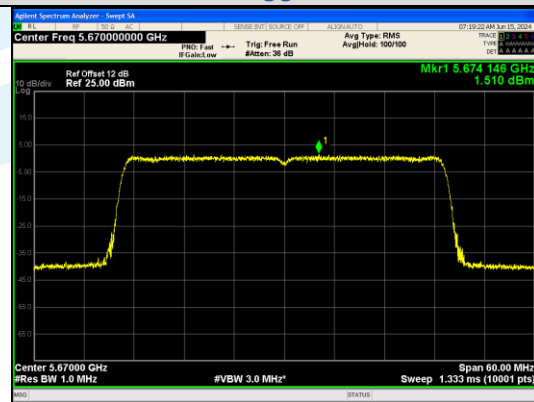
IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU



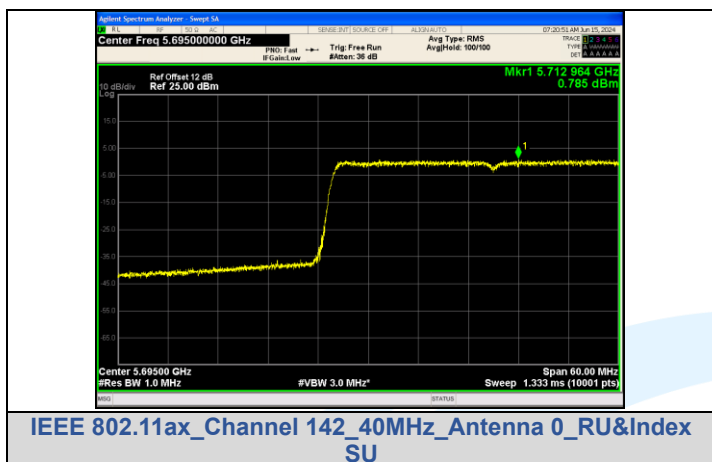
IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 118_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU



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

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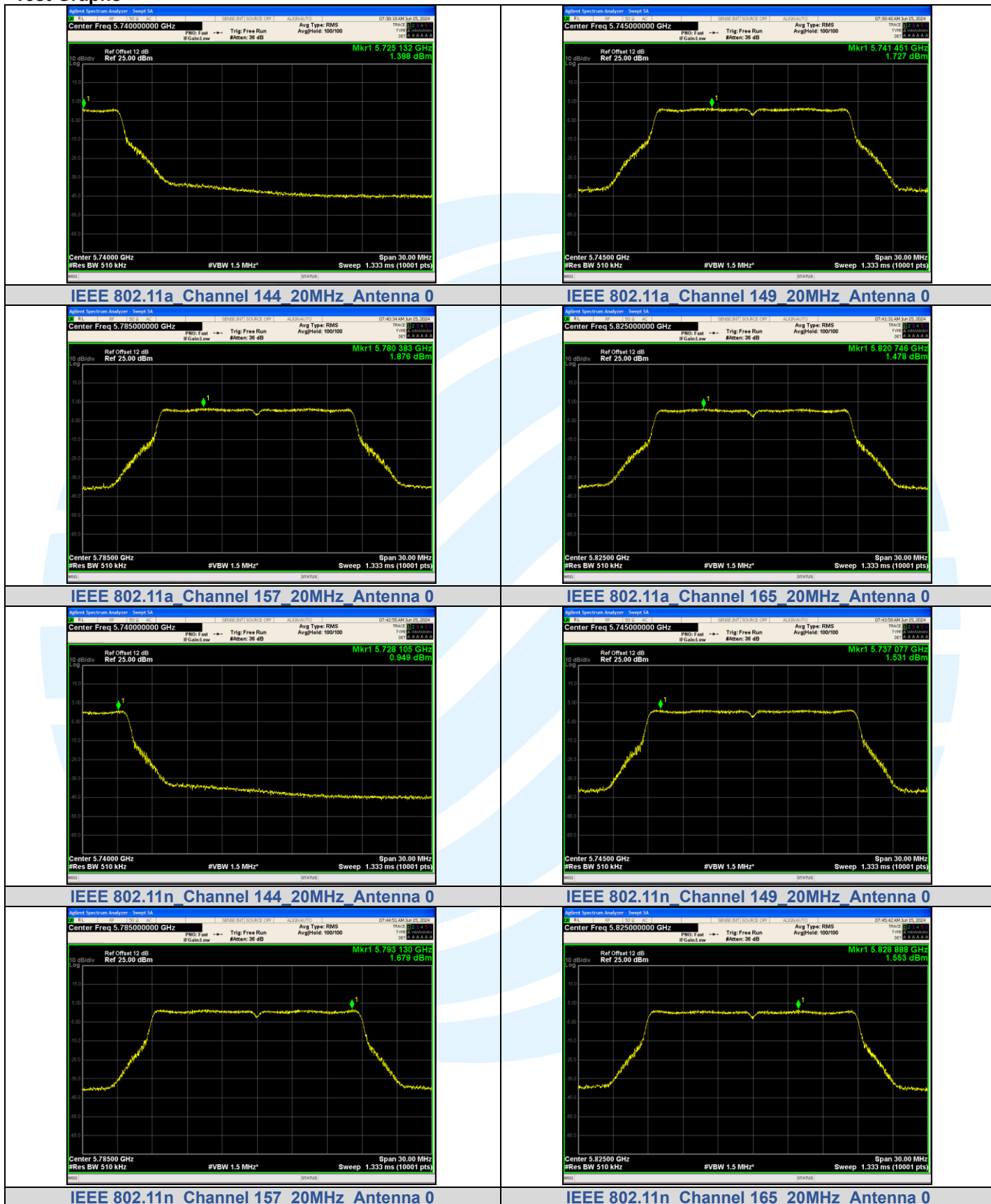
Fax: +86-755-28230886

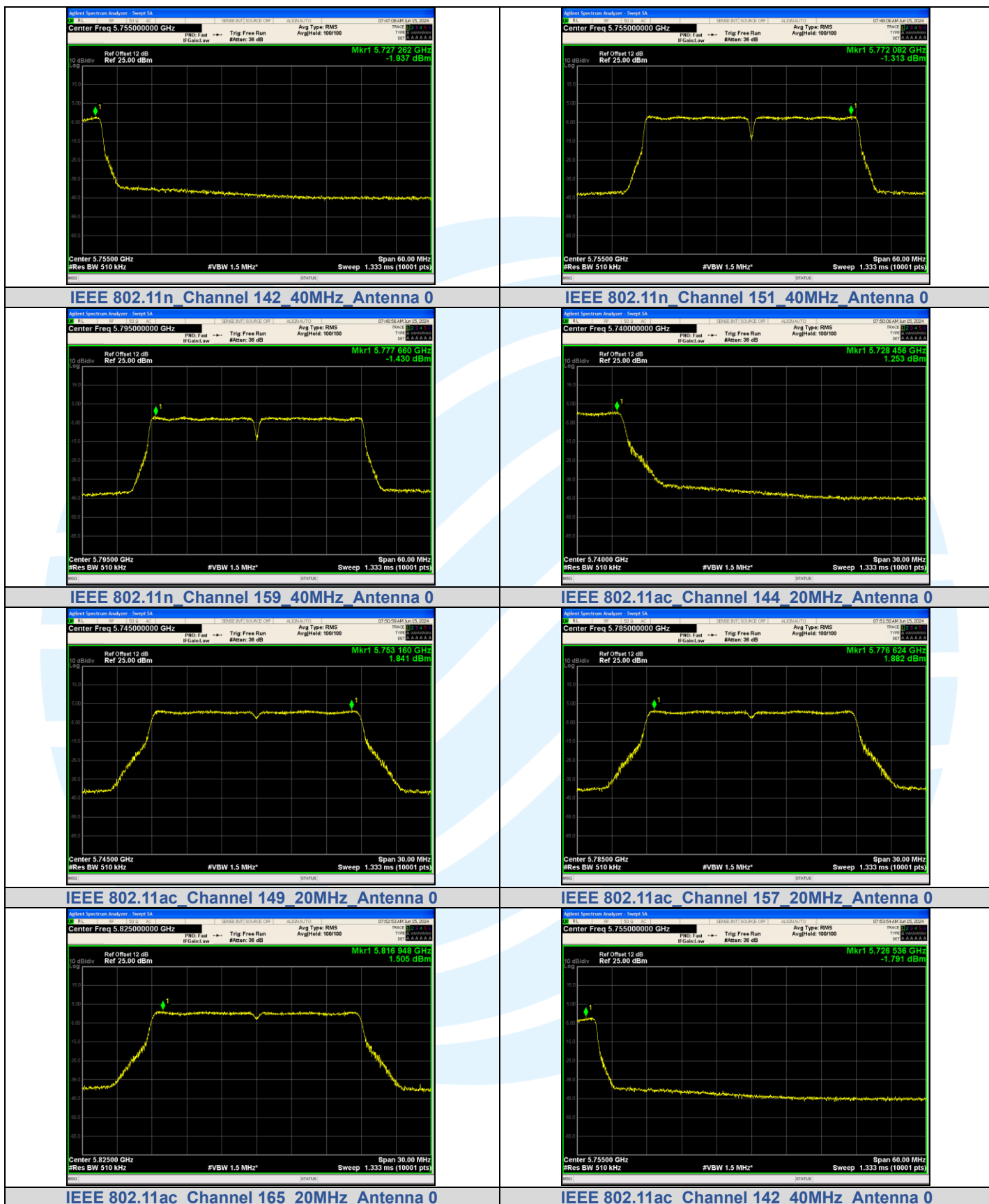
E-mail: info@uttlab.com

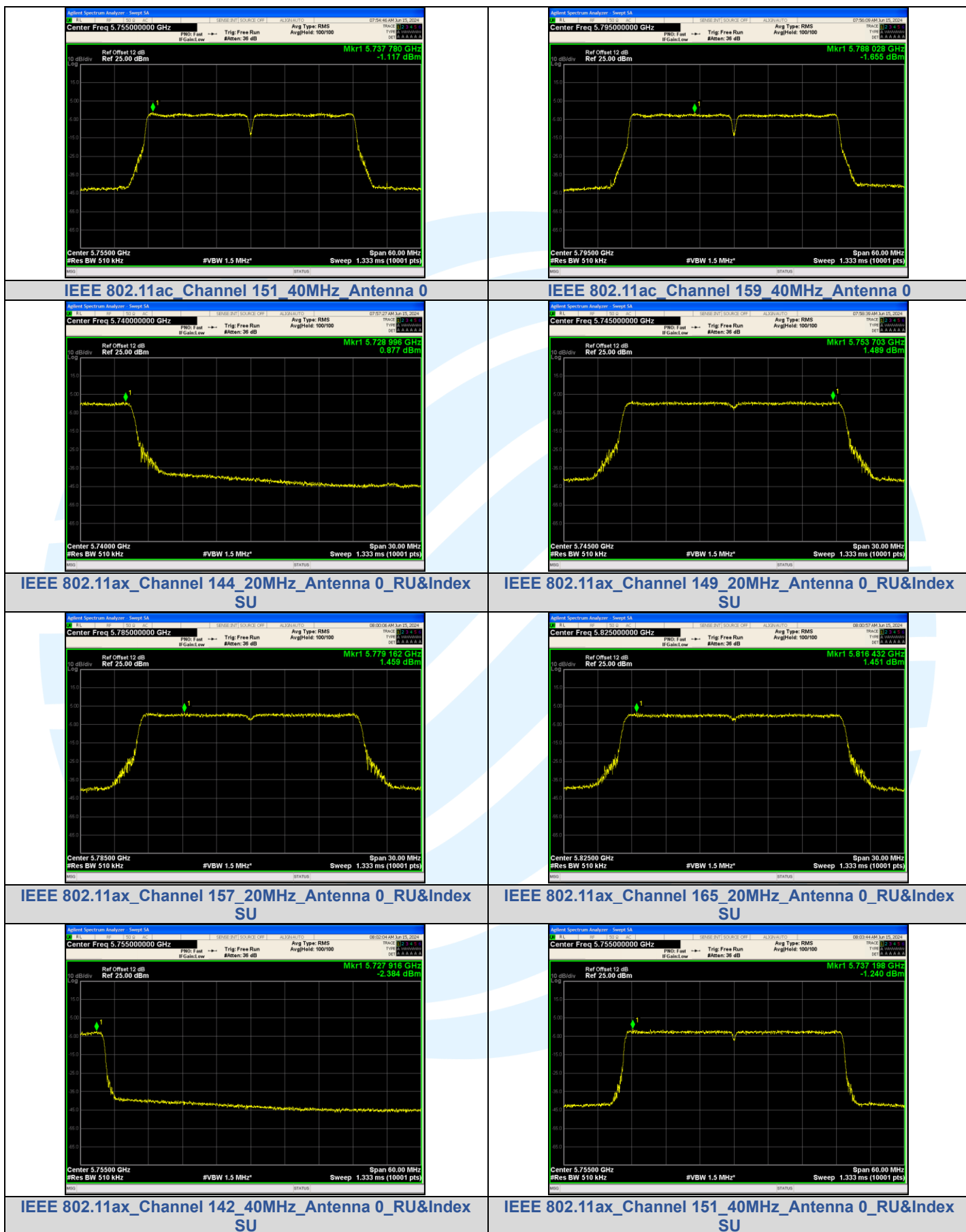
<http://www.uttlab.com>

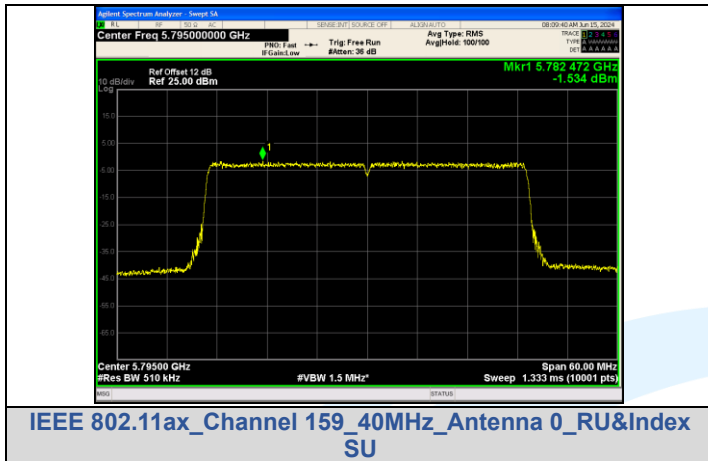
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Test Graphs









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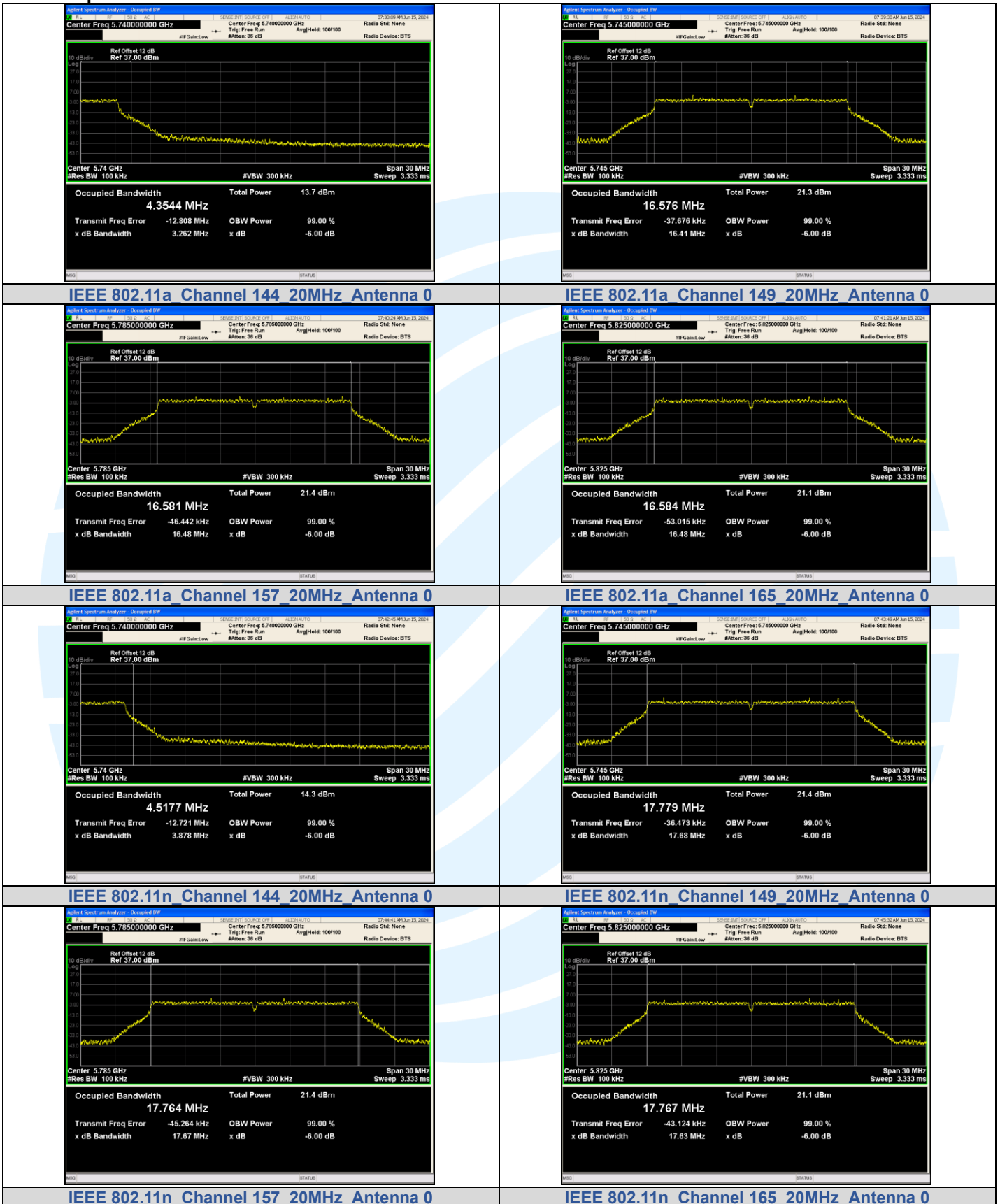
UTTR-RF-RSS247-V1.1

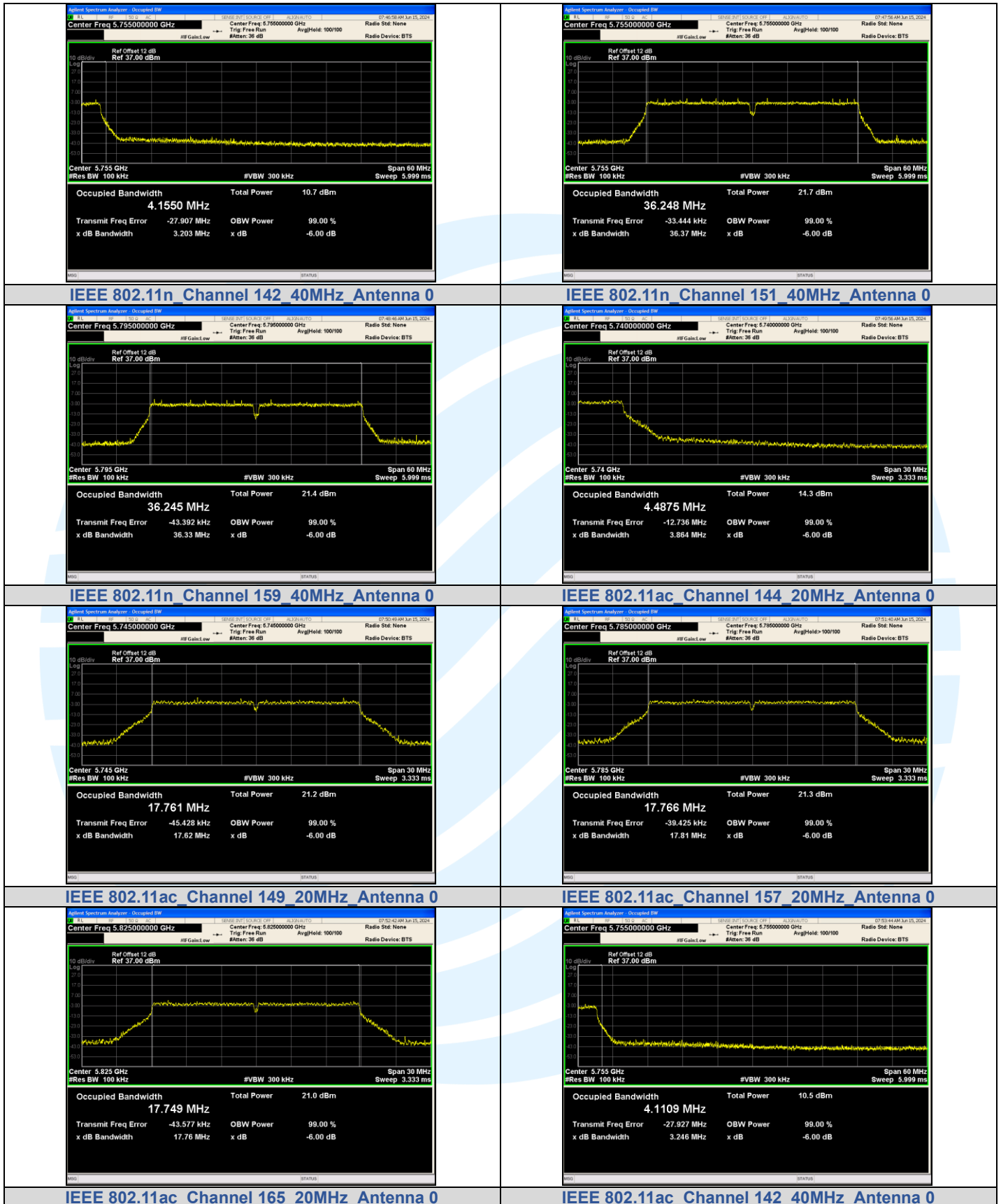
A.4 6DB BANDWIDTH

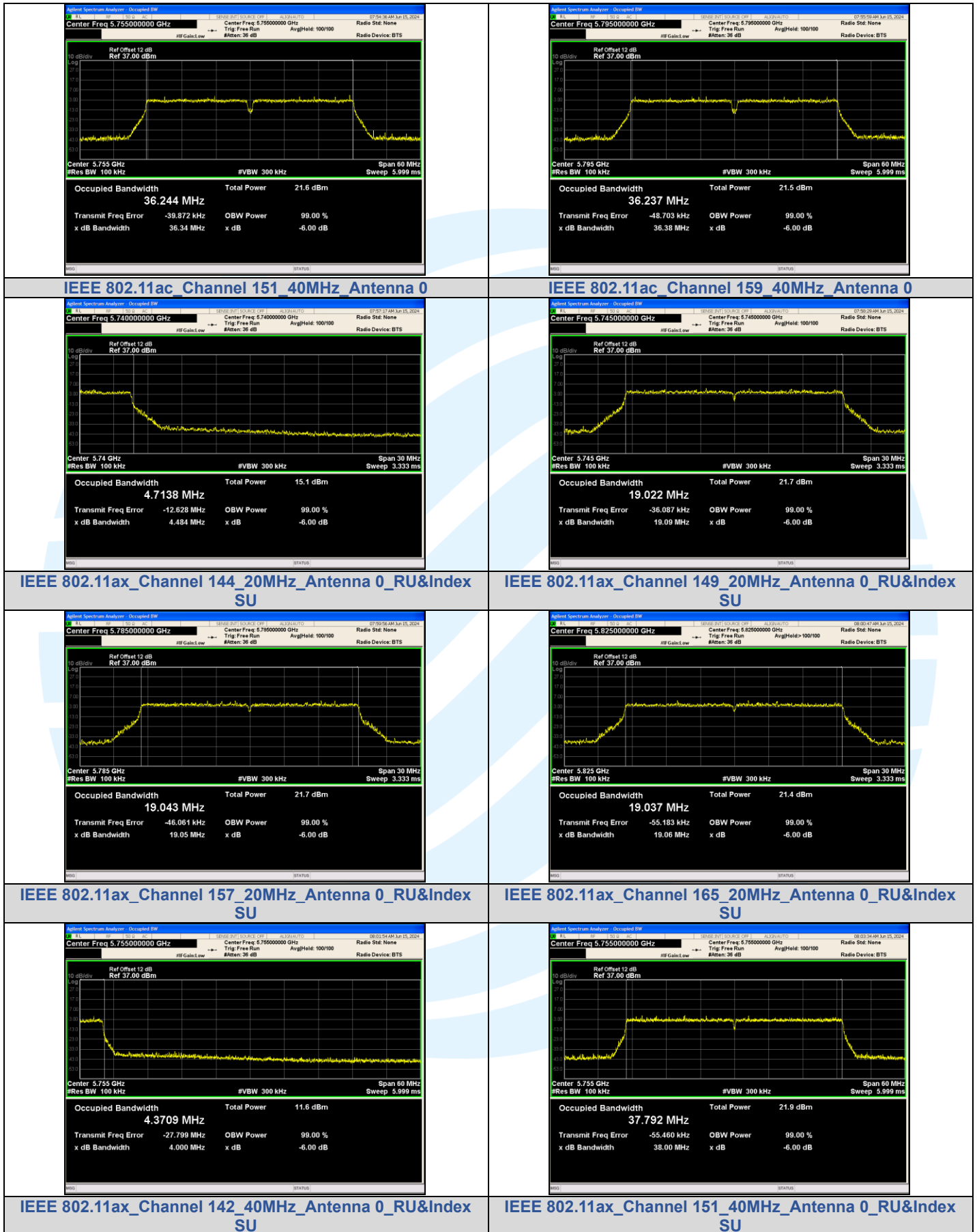
For U-NII-3 band

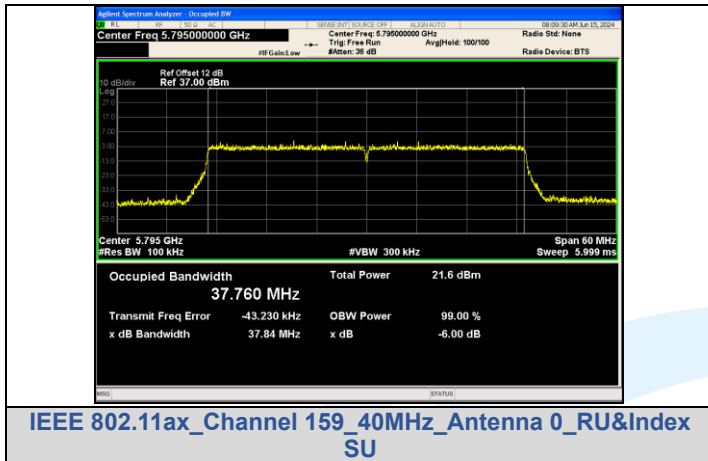
Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result	
IEEE 802.11a	144	N/A	0	5740	3.262	0.5	PASS	
	149			5745	16.41		PASS	
	157			5785	16.48		PASS	
	165			5825	16.48		PASS	
IEEE 802.11n_20	144			5740	3.878		PASS	
	149			5745	17.68		PASS	
	157			5785	17.67		PASS	
	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	
IEEE 802.11ax_20	144			SU	5740		4.484	PASS
	149				5745		19.09	PASS
	157	5785	19.05		PASS			
	165	5825	19.06		PASS			
IEEE 802.11ax_40	142	5755	4.000		PASS			
	151	5755	38.00		PASS			
	159	5795	37.84		PASS			

Test Graphs







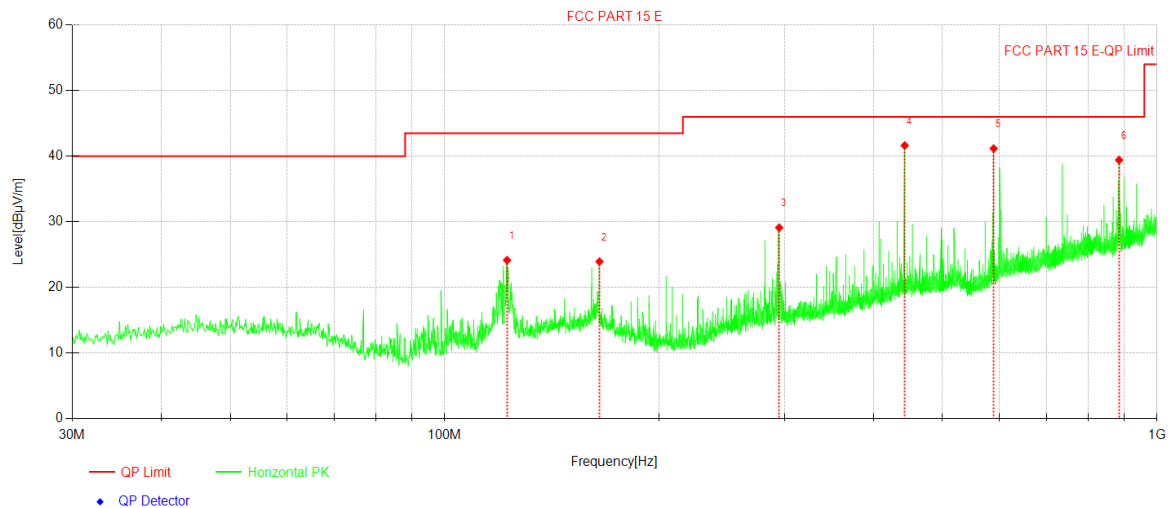


A.5 RADIATED SPURIOUS EMISSIONS& BAND EDGE MEASUREMENTS (RADIATED)

Radiated Emission Test Data (30 MHz ~ 1 GHz):

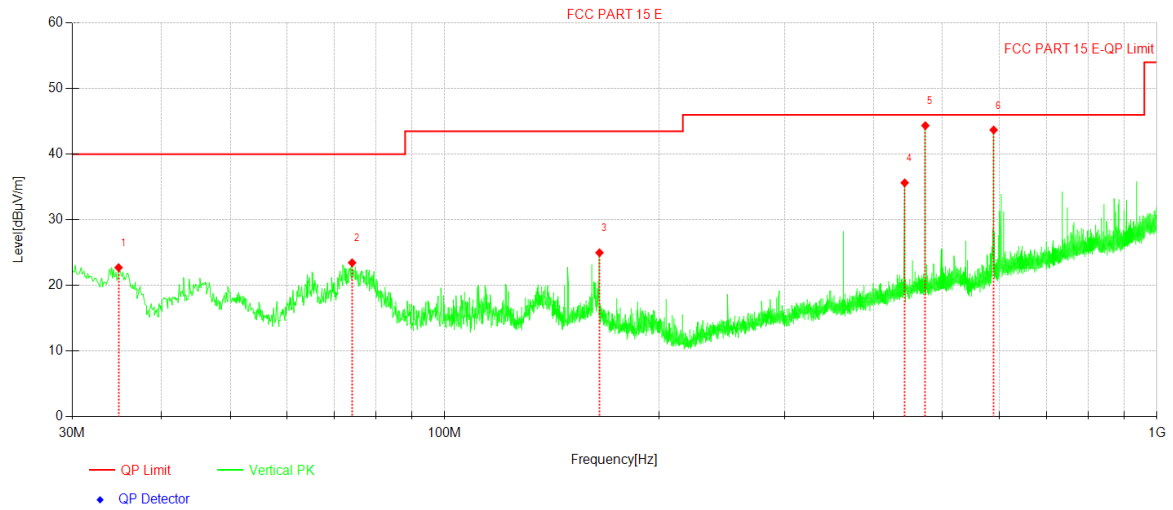
Worst-Case Configuration(IEEE 802.11n-HT20 _Channel 1)

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	122.3532	34.24	-10.09	24.15	43.50	19.35	PK
2	164.9405	31.90	-7.97	23.93	43.50	19.57	PK
3	294.8365	36.22	-7.12	29.10	46.00	16.90	PK
4	442.388239	44.62	-2.99	41.63	46.00	4.37	PK
5	589.842984	41.56	-0.39	41.17	46.00	4.83	PK
6	884.7525	34.75	4.67	39.42	46.00	6.58	PK

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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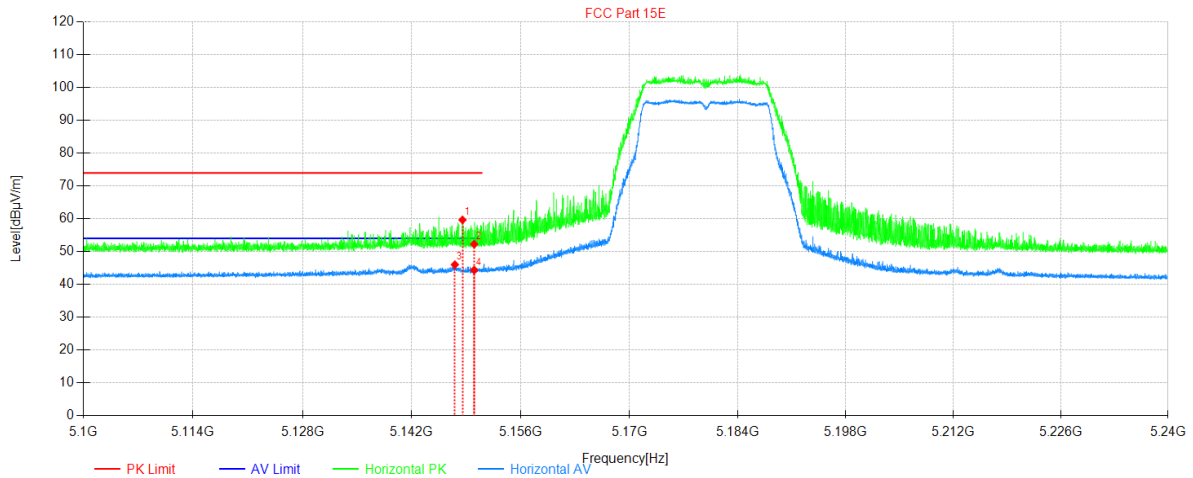
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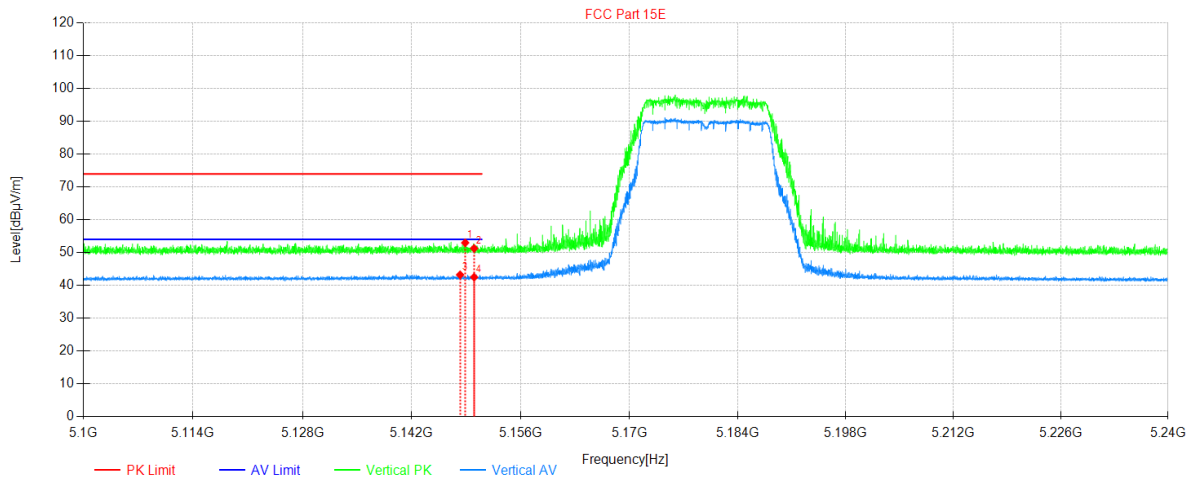
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IEEE 802.11a_Channel 36
Test Graph

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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