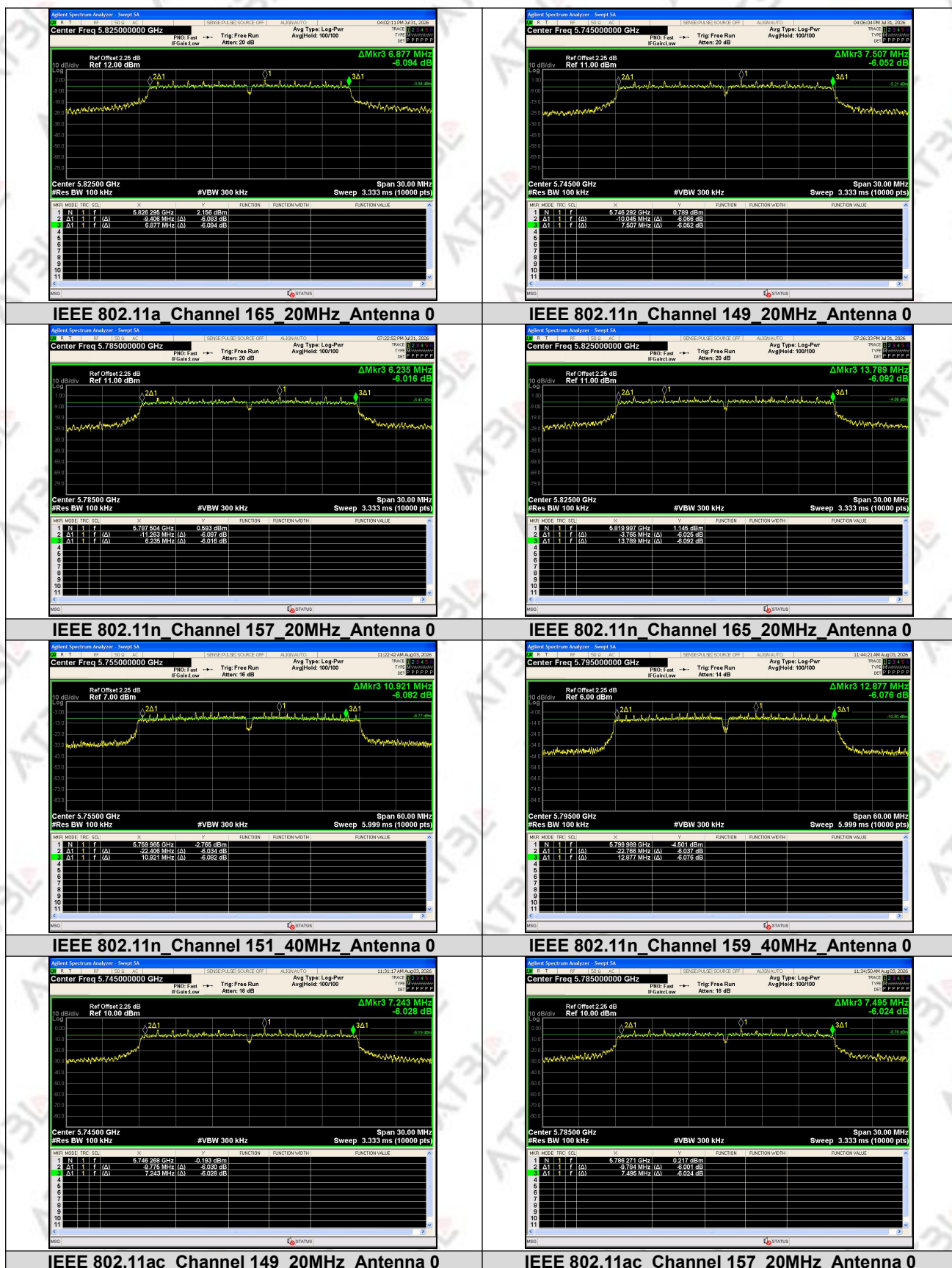
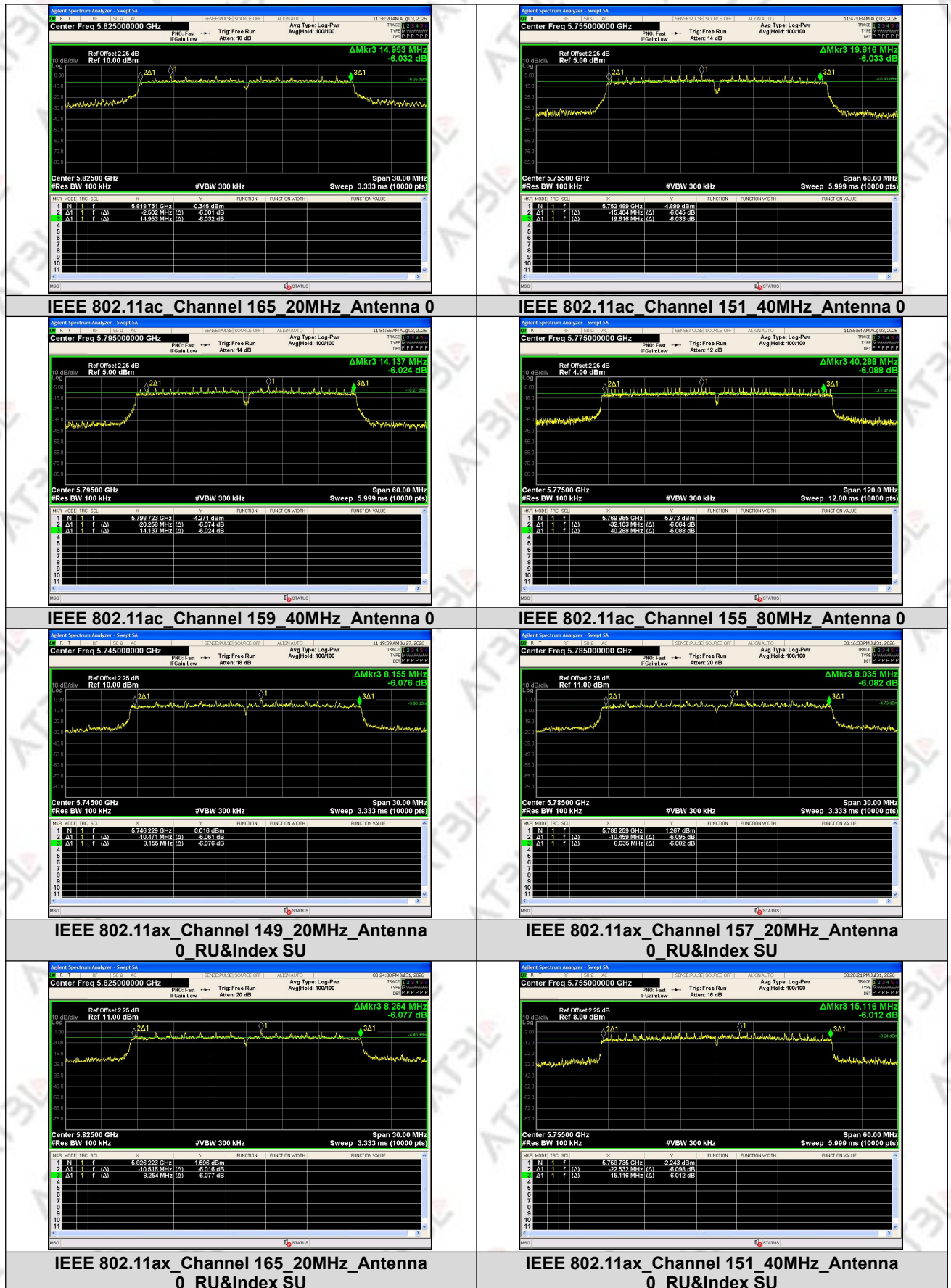
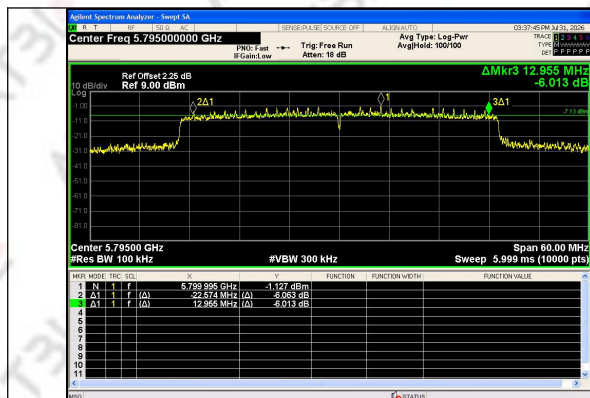
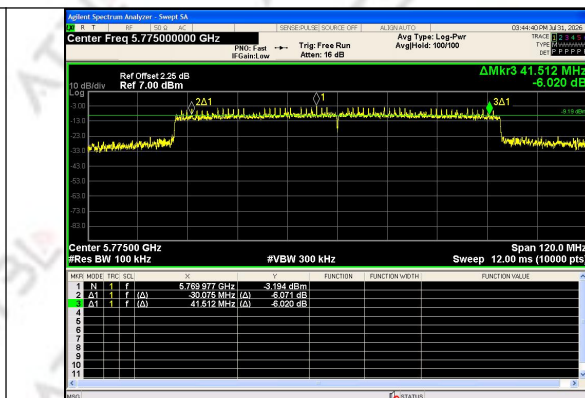








IEEE 802.11ax_Channel 159_40MHz_Antenna
0_RU&Index SU



IEEE 802.11ax_Channel 155_80MHz_Antenna
0_RU&Index SU

A3.Maximum Conducted Average Output Power

Test Result

For 5150~5250MHz test data:

Mode	Channel	Conducted output Avg Power (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	12.61	≤23.97	PASS
	40	12.61	≤23.97	PASS
	48	13.19	≤23.97	PASS
IEEE 802.11n_20	36	11.92	≤23.97	PASS
	40	12.65	≤23.97	PASS
	48	13.16	≤23.97	PASS
IEEE 802.11n_40	38	12.51	≤23.97	PASS
	46	13.02	≤23.97	PASS
IEEE 802.11ac_20	36	12.91	≤23.97	PASS
	40	13.06	≤23.97	PASS
	48	13.64	≤23.97	PASS
IEEE 802.11ac_40	38	12.86	≤23.97	PASS
	46	13.35	≤23.97	PASS
IEEE 802.11ac_80	42	11.1	≤23.97	PASS
IEEE 802.11ax_20	36	12.89	≤23.97	PASS
	40	12.64	≤23.97	PASS
	48	13.41	≤23.97	PASS
IEEE 802.11ax_40	38	12.16	≤23.97	PASS
	46	12.14	≤23.97	PASS
IEEE 802.11ax_80	42	12.41	≤23.97	PASS

Note: Corrected Value = Antenna Power + Duty Cycle Factor.

For the 5.725-5.85 GHz bands test data:

Mode	Channel	Conducted output Avg Power (dBm)	Limit (dBm)	Result
IEEE 802.11a	149	11.83	≤30	PASS
	157	12.3	≤30	PASS
	165	12.71	≤30	PASS
IEEE 802.11n_20	149	11.55	≤30	PASS
	157	11.34	≤30	PASS
	165	12.31	≤30	PASS
IEEE 802.11n_40	151	9.39	≤30	PASS
	159	9.88	≤30	PASS
IEEE 802.11ac_20	149	10.22	≤30	PASS
	157	10.35	≤30	PASS
	165	10.91	≤30	PASS
IEEE 802.11ac_40	151	8.86	≤30	PASS
	159	9.39	≤30	PASS
IEEE 802.11ac_80	155	10.52	≤30	PASS
IEEE 802.11ax_20	149	11.19	≤30	PASS
	157	12.25	≤30	PASS
	165	12.66	≤30	PASS
IEEE 802.11ax_40	151	11.34	≤30	PASS
	159	12.24	≤30	PASS
IEEE 802.11ax_80	155	10.46	≤30	PASS

Note: Corrected Value = Antenna Power + Duty Cycle Factor.

A4.Power Spectral Density

Test Result

For 5150~5250MHz test data:

Mode	Channel	Ant. 0 Meas PSD (dBm/MHz)	Duty Cycle Factor (dB)	Ant. 0 Corr'd PSD (dBm/MHz)	Limit (dBm/MHz)	Result
IEEE 802.11a	36	1.427	0.626	2.053	11	PASS
	40	1.229	0.626	1.855		PASS
	48	1.732	0.675	2.407		PASS
IEEE 802.11n_20	36	0.703	0.666	1.369		PASS
	40	0.704	0.666	1.370		PASS
	48	1.290	0.666	1.956		PASS
IEEE 802.11n_40	38	-2.544	1.255	-1.289		PASS
	46	-1.674	1.252	-0.422		PASS
IEEE 802.11ac_20	36	1.459	0.662	2.121		PASS
	40	1.291	0.714	2.005		PASS
	48	1.732	0.662	2.394		PASS
IEEE 802.11ac_40	38	-1.851	1.249	-0.602		PASS
	46	-1.897	1.337	-0.560		PASS
IEEE 802.11ac_80	42	-7.936	2.217	-5.719		PASS
IEEE 802.11ax_20	36	0.983	0.838	1.821		PASS
	40	0.620	0.838	1.458		PASS
	48	1.142	0.838	1.980		PASS
IEEE 802.11ax_40	38	-2.899	1.469	-1.431		PASS
	46	-2.724	1.470	-1.254		PASS
IEEE 802.11ax_80	42	-6.578	2.459	-4.119		PASS

For the 5.725-5.850 GHz bands test data:

Mode	Channel	Ant.0 Meas PSD (dBm/500kHz)	Duty Cycle Factor	Ant.0 Corr'd PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
IEEE 802.11a	149	-2.262	0.626	-1.636	30	PASS
	157	-2.414	0.626	-1.788		PASS
	165	-1.830	0.626	-1.204		PASS
IEEE 802.11n_20	149	-3.168	0.666	-2.502		PASS
	157	-3.058	0.666	-2.392		PASS
	165	-2.885	0.666	-2.219		PASS
IEEE 802.11n_40	151	-8.240	0.838	-7.402		PASS
	159	-7.706	1.255	-6.451		PASS
IEEE 802.11ac_20	149	-4.570	0.662	-3.908		PASS
	157	-4.381	0.662	-3.719		PASS
	165	-3.989	0.659	-3.330		PASS
IEEE 802.11ac_40	151	-8.198	0.279	-7.919		PASS
	159	-7.706	0.277	-7.429		PASS
IEEE 802.11ac_80	155	-10.080	0.549	-9.531		PASS
IEEE 802.11ax_20	149	-3.964	0.838	-3.126		PASS
	157	-3.103	0.838	-2.265		PASS
	165	-2.427	0.838	-1.589		PASS
IEEE 802.11ax_40	151	-6.313	1.469	-4.845		PASS
	159	-5.963	1.469	-4.495		PASS
IEEE 802.11ax_80	155	-10.375	0.618	-9.757		PASS

Note:

Corr'd PSD=Meas PSD+Duty Cycle Factor (dB).

Duty cycle factor=10*log (1/duty cycle)

Test Graphs

