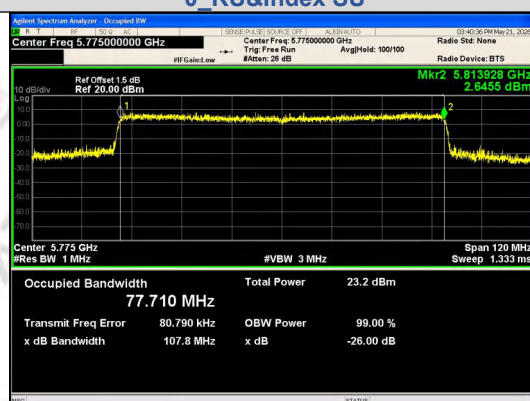
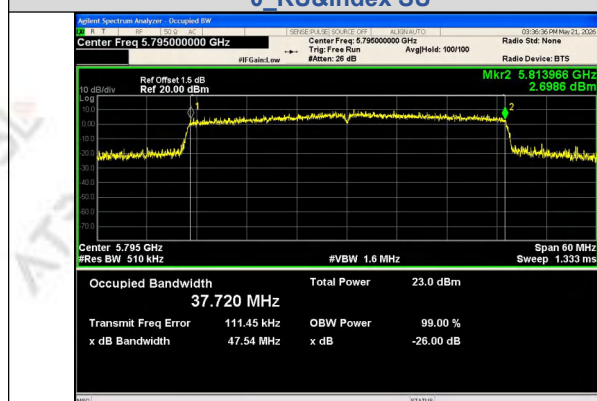
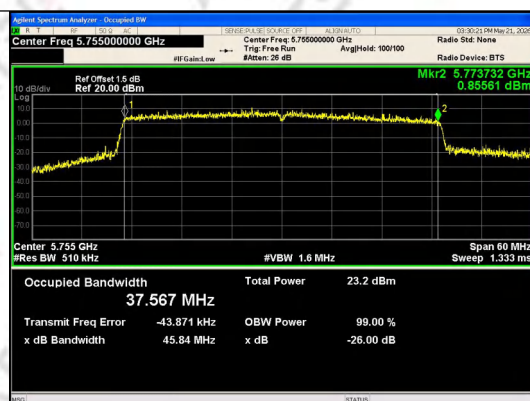
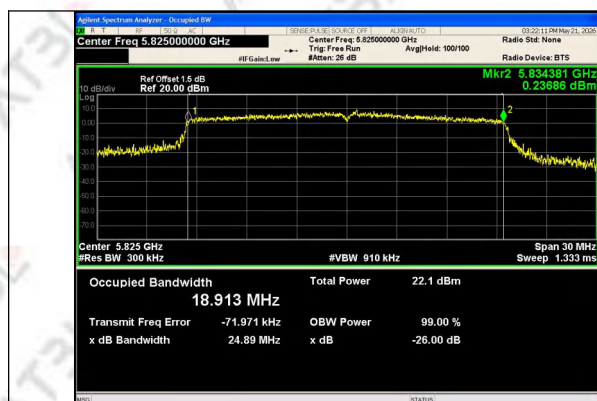




A3.Maximum Conducted Average Output Power

Test Result

For 5150~5725MHz test data:

Mode	Channel	Conducted output Avg Power (dBm)			Limit (dBm)	Result
		Ant.0	Ant.1	Total		
IEEE 802.11a	36	18.11	17.0	N/A	≤23.97	PASS
	40	17.15	16.17	N/A	≤23.97	PASS
	48	18.67	16.8	N/A	≤23.97	PASS
	52	18.56	16.66	N/A	≤23.97	PASS
	60	18.68	16.47	N/A	≤23.97	PASS
	64	17.33	16.29	N/A	≤23.97	PASS
	100	17.48	15.72	N/A	≤23.97	PASS
	116	11.33	16.99	N/A	≤23.97	PASS
	140	14.77	16.53	N/A	≤23.97	PASS
IEEE 802.11n20	36	17.27	15.86	19.63	≤23.97	PASS
	40	16.97	16.52	19.76	≤23.97	PASS
	48	17.32	16.39	19.89	≤23.97	PASS
	52	17.2	17.62	20.43	≤23.97	PASS
	60	17.19	17.66	20.44	≤23.97	PASS
	64	16.9	17.84	20.41	≤23.97	PASS
	100	17.92	17.83	20.89	≤23.97	PASS
	116	18.32	17.41	20.90	≤23.97	PASS
	140	17.69	17.08	20.41	≤23.97	PASS
IEEE 802.11n40	38	18.39	17.62	21.03	≤23.97	PASS
	46	18.65	17.35	21.06	≤23.97	PASS
	54	19.49	17.42	21.59	≤23.97	PASS
	62	18.36	16.91	20.71	≤23.97	PASS
	102	18.55	17.88	21.24	≤23.97	PASS
	110	17.91	17.64	20.79	≤23.97	PASS
	134	18.85	17.26	21.14	≤23.97	PASS
IEEE 802.11ac_20	36	16.66	16.75	19.72	≤23.97	PASS
	40	17.16	17.87	20.54	≤23.97	PASS
	48	16.77	17.35	20.08	≤23.97	PASS
	52	17.21	16.78	20.01	≤23.97	PASS
	60	17.07	17.13	20.11	≤23.97	PASS
	64	16.96	17.07	20.03	≤23.97	PASS
	100	18.24	17.82	21.05	≤23.97	PASS
	116	18.2	17.85	21.04	≤23.97	PASS

	140	17.53	17.85	20.70	≤ 23.97	PASS
IEEE 802.11ac_40	38	17.4	17.82	20.63	≤ 23.97	PASS
	46	18.7	17.12	20.99	≤ 23.97	PASS
	54	18.54	17.29	20.97	≤ 23.97	PASS
	62	18.74	17.47	21.16	≤ 23.97	PASS
	102	17.3	17.8	20.57	≤ 23.97	PASS
	110	18.61	17.67	21.18	≤ 23.97	PASS
	134	19.01	17.84	21.47	≤ 23.97	PASS
IEEE 802.11ac_80	42	17.44	18.25	20.87	≤ 23.97	PASS
	58	17.14	18.22	20.72	≤ 23.97	PASS
	106	16.58	18.49	20.65	≤ 23.97	PASS
	122	17.87	18.52	21.22	≤ 23.97	PASS
IEEE 802.11ax_20	36	17.18	17.14	20.17	≤ 23.97	PASS
	40	17.2	17.7	20.47	≤ 23.97	PASS
	48	17.79	18.18	21.00	≤ 23.97	PASS
	52	16.31	17.87	20.17	≤ 23.97	PASS
	60	17.98	17.41	20.71	≤ 23.97	PASS
	64	17.8	17.83	20.83	≤ 23.97	PASS
	100	18.55	18.53	21.55	≤ 23.97	PASS
	116	19.11	19.07	22.10	≤ 23.97	PASS
	140	18.85	18.05	21.48	≤ 23.97	PASS
IEEE 802.11ax_40	38	18.89	17.43	21.23	≤ 23.97	PASS
	46	19.22	17.63	21.51	≤ 23.97	PASS
	54	18.89	17.52	21.27	≤ 23.97	PASS
	62	19.37	18.17	21.82	≤ 23.97	PASS
	102	16.78	16.79	19.80	≤ 23.97	PASS
	110	17.88	17.51	20.71	≤ 23.97	PASS
	134	16.78	17.92	20.40	≤ 23.97	PASS
IEEE 802.11ax_80	42	16.87	18.74	20.92	≤ 23.97	PASS
	58	16.34	18.8	20.75	≤ 23.97	PASS
	106	15.5	17.59	19.68	≤ 23.97	PASS
	122	16.25	16.73	19.51	≤ 23.97	PASS

For the 5.725-5.85 GHz bands test data:

Mode	Channel	Conducted output Avg Power (dBm)			Limit (dBm)	Result
		Ant.0	Ant.1	Total		
IEEE 802.11a	149	14.87	16.5	N/A	≤30	PASS
	157	14.49	16.35	N/A	≤30	PASS
	165	14.94	16.22	N/A	≤30	PASS
IEEE 802.11n_20	149	15.38	17.15	19.37	≤30	PASS
	157	14.86	17.27	19.24	≤30	PASS
	165	14.3	17.09	18.93	≤30	PASS
IEEE 802.11n_40	151	15.0	17.43	19.39	≤30	PASS
	159	15.29	17.52	19.56	≤30	PASS
IEEE 802.11ac_20	149	16.02	17.34	19.74	≤30	PASS
	157	14.82	17.38	19.30	≤30	PASS
	165	13.97	17.03	18.77	≤30	PASS
IEEE 802.11ac_40	151	16.22	17.53	19.94	≤30	PASS
	159	16.08	17.26	19.72	≤30	PASS
IEEE 802.11ac_80	155	16.02	18.23	20.27	≤30	PASS
IEEE 802.11ax_20	149	16.75	17.79	20.31	≤30	PASS
	157	15.28	17.26	19.39	≤30	PASS
	165	15.61	17.49	19.66	≤30	PASS
IEEE 802.11ax_40	151	15.58	11.24	16.94	≤30	PASS
	159	16.53	17.55	20.08	≤30	PASS
IEEE 802.11ax_80	155	16.4	18.8	20.77	≤30	PASS

A4.Power Spectral Density

Test Result

For 5150~5725MHz test data:

Mode	Channel	RU & Index	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	N/A	8.705	0.9791	8.797	11	PASS
	40		7.688	0.9797	7.777		PASS
	48		8.841	0.9791	8.933		PASS
	52		8.709	0.9791	8.801		PASS
	60		8.841	0.9797	8.93		PASS
	64		7.687	0.9791	7.779		PASS
	100		7.666	0.9791	7.758		PASS
	116		0.708	0.9791	0.8		PASS
	140		5.185	0.9791	5.277		PASS
IEEE 802.11n_20	36		6.482	0.8203	7.342		PASS
	40		6.186	0.8009	7.15		PASS
	48		6.423	0.8231	7.269		PASS
	52		6.254	0.8088	7.176		PASS
	60		6.240	0.8108	7.151		PASS
	64		6.211	0.8331	7.004		PASS
	100		7.373	0.8336	8.163		PASS
	116		7.453	0.8292	8.266		PASS
IEEE 802.11n_40	140		7.388	0.8335	8.179		PASS
	38		4.572	0.7845	5.626		PASS
	46		4.712	0.7834	5.772		PASS
	54		5.218	0.7929	6.226		PASS
	62		4.660	0.7835	5.72		PASS
	102		4.105	0.7835	5.165		PASS
	110		3.925	0.7835	4.985		PASS
IEEE 802.11ac_20	134		4.983	0.7835	6.043		PASS
	36		6.125	0.8338	6.914		PASS
	40		6.499	0.8334	7.29		PASS
	48		6.083	0.8338	6.872		PASS
	52		6.348	0.8334	7.139		PASS
	60		6.485	0.8334	7.277		PASS
	64		6.461	0.8347	7.246		PASS
	100		7.190	0.8334	7.982		PASS
	116		7.110	0.8337	7.9		PASS
IEEE 802.11ac_40	140		7.197	0.8334	7.989		PASS
	38		3.984	0.7839	5.041		PASS
	46		4.988	0.7839	6.045		PASS
	54		4.492	0.7896	5.518		PASS
	62		4.434	0.7839	5.491		PASS
	102		3.142	0.7937	4.145		PASS
	110		4.599	0.7836	5.658		PASS
	134		5.298	0.7855	6.346		PASS
IEEE 802.11ac_80	42		-0.979	0.7695	0.159		PASS
	58		-1.348	0.7702	-0.214		PASS
	106		-2.001	0.7718	-0.876		PASS

	122		-0.177	0.7735	0.938	PASS
IEEE 802.11ax_20	36	SU	6.251	0.7474	7.516	PASS
	40		5.993	0.7492	7.247	PASS
	48		6.198	0.7479	7.46	PASS
	52		6.300	0.7474	7.564	PASS
	60		6.460	0.7531	7.691	PASS
	64		6.393	0.7478	7.655	PASS
	100		7.253	0.7488	8.509	PASS
	116		7.317	0.7479	8.579	PASS
	140		7.418	0.7479	8.68	PASS
	38		4.353	0.6905	5.961	PASS
IEEE 802.11ax_40	46	SU	4.770	0.6905	6.378	PASS
	54		4.198	0.6928	5.792	PASS
	62		5.427	0.6906	7.035	PASS
	102		2.952	0.6913	4.555	PASS
	110		3.366	0.6913	4.969	PASS
	134		2.713	0.6857	4.352	PASS
IEEE 802.11ax_80	42	SU	-1.834	0.6876	-0.207	PASS
	58		-2.719	0.6818	-1.056	PASS
	106		-3.238	0.7327	-1.887	PASS
	122		-1.296	0.7343	0.045	PASS

Mode	Channel	RU & Index	Ant. 1 Meas PSD (dBm/MHz)	Duty Cycle Factor (dB)	Ant. 1 Corr'd PSD (dBm/MHz)	Limit (dBm/MHz)	Result
IEEE 802.11a	36	N/A	2.578	0.0917	2.67	11	PASS
	40		6.323	0.0917	6.415		PASS
	48		6.956	0.0917	7.048		PASS
	52		6.777	0.0917	6.869		PASS
	60		6.637	0.0917	6.729		PASS
	64		6.369	0.0917	6.461		PASS
	100		6.265	0.0917	6.357		PASS
	116		7.002	0.0917	7.094		PASS
	140		6.895	0.0917	6.987		PASS
IEEE 802.11n_20	36	N/A	5.835	0.4784	6.313	11	PASS
	40		5.511	0.5032	6.014		PASS
	48		6.079	0.5032	6.582		PASS
	52		7.406	0.4861	7.892		PASS
	60		7.299	0.5032	7.802		PASS
	64		7.153	0.8255	7.978		PASS
	100		3.646	0.4861	4.132		PASS
	116		4.543	0.4861	5.029		PASS
	140		4.727	0.5032	5.23		PASS
IEEE 802.11n_40	38	N/A	3.745	0.9991	4.744	11	PASS
	46		3.632	0.998	4.63		PASS
	54		3.393	0.9909	4.384		PASS
	62		1.818	0.9264	2.744		PASS
	102		3.258	0.9778	4.236		PASS
	110		4.009	0.9745	4.984		PASS
	134		3.277	0.9887	4.266		PASS
IEEE	36	N/A	6.336	0.9018	7.238	11	PASS

802.11ac_20	40		6.433	0.9227	7.356	PASS
	48		6.433	0.9512	7.384	PASS
	52		6.264	0.9512	7.215	PASS
	60		6.341	0.9534	7.294	PASS
	64		6.292	0.9012	7.193	PASS
	100		7.117	0.9474	8.064	PASS
	116		7.124	0.9518	8.076	PASS
	140		6.989	0.941	7.93	PASS
IEEE 802.11ac_40	38		3.699	0.9827	4.682	PASS
	46		3.421	0.9843	4.405	PASS
	54		3.437	0.986	4.423	PASS
	62		3.707	0.9843	4.691	PASS
	102		3.797	0.9843	4.781	PASS
	110		4.106	0.986	5.092	PASS
	134		4.703	0.986	5.689	PASS
IEEE 802.11ac_80	42		-0.738	1.9017	1.164	PASS
	58		-0.917	1.8836	0.967	PASS
	106		0.230	1.8836	2.114	PASS
	122		0.361	1.9017	2.263	PASS
IEEE 802.11ax_20	36		6.237	1.2079	7.445	PASS
	40		6.321	1.2234	7.544	PASS
	48		6.391	1.2079	7.599	PASS
	52		6.515	1.2234	7.738	PASS
	60		5.638	1.2217	6.86	PASS
	64		6.449	1.2205	7.669	PASS
	100		5.057	1.2217	6.279	PASS
	116		5.333	1.2108	6.544	PASS
IEEE 802.11ax_40	140		4.940	1.2234	6.163	PASS
	38		3.515	1.2102	4.725	PASS
	46		3.647	1.2102	4.857	PASS
	54		3.211	1.2234	4.434	PASS
	62		3.715	1.2108	4.926	PASS
	102		2.107	1.2205	3.328	PASS
	110		3.574	1.1856	4.76	PASS
	134		4.368	1.2108	5.579	PASS
IEEE 802.11ax_80	42		-0.419	2.2091	1.79	PASS
	58		-0.822	2.1688	1.347	PASS
	106		-0.664	2.1925	1.528	PASS
	122		-1.841	2.2127	0.372	PASS

Mode	Channel	RU & Index	Ant. 0 Corr'd PSD (dBm/MHz)	Ant. 1 Corr'd PSD (dBm/MHz)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
IEEE 802.11a	36	N/A	8.797	2.67	N/A	11	PASS
	40		7.777	6.415	N/A		PASS
	48		8.933	7.048	N/A		PASS
	52		8.801	6.869	N/A		PASS
	60		8.93	6.729	N/A		PASS
	64		7.779	6.461	N/A		PASS
	100		7.758	6.357	N/A		PASS
	116		0.8	7.094	N/A		PASS
	140		5.277	6.987	N/A		PASS
IEEE 802.11n_20	36		7.342	6.313	9.868		PASS
	40		7.15	6.014	9.629		PASS
	48		7.269	6.582	9.949		PASS
	52		7.176	7.892	10.559		PASS
	60		7.151	7.802	10.499		PASS
	64		7.004	7.978	10.529		PASS
	100		8.163	4.132	9.610		PASS
	116		8.266	5.029	9.953		PASS
	140		8.179	5.23	9.960		PASS
IEEE 802.11n_40	38		5.626	4.744	8.218		PASS
	46		5.772	4.63	8.249		PASS
	54		6.226	4.384	8.412		PASS
	62		5.72	2.744	7.492		PASS
	102		5.165	4.236	7.736		PASS
	110		4.985	4.984	7.995		PASS
	134		6.043	4.266	8.255		PASS
IEEE 802.11ac_20	36		6.914	7.238	10.089		PASS
	40		7.29	7.356	10.333		PASS
	48		6.872	7.384	10.146		PASS
	52		7.139	7.215	10.187		PASS
	60		7.277	7.294	10.296		PASS
	64		7.246	7.193	10.230		PASS
	100		7.982	8.064	11.033		PASS
	116		7.9	8.076	10.999		PASS
	140		7.989	7.93	10.970		PASS
IEEE 802.11ac_40	38		5.041	4.682	7.876		PASS
	46		6.045	4.405	8.312		PASS
	54		5.518	4.423	8.015		PASS
	62		5.491	4.691	8.120		PASS
	102		4.145	4.781	7.485		PASS
	110		5.658	5.092	8.395		PASS
	134		6.346	5.689	9.040		PASS
IEEE 802.11ac_80	42		0.159	1.164	3.701		PASS
	58		-0.214	0.967	3.427		PASS
	106		-0.876	2.114	3.882		PASS
	122		0.938	2.263	4.661		PASS
IEEE	36	SU	7.516	7.445	10.491		PASS

802.11ax_20	40		7.247	7.544	10.408	PASS
	48		7.46	7.599	10.540	PASS
	52		7.564	7.738	10.662	PASS
	60		7.691	6.86	10.306	PASS
	64		7.655	7.669	10.672	PASS
	100		8.509	6.279	10.546	PASS
	116		8.579	6.544	10.690	PASS
	140		8.68	6.163	10.612	PASS
IEEE 802.11ax_40	38		5.961	4.725	8.397	PASS
	46		6.378	4.857	8.694	PASS
	54		5.792	4.434	8.176	PASS
	62		7.035	4.926	9.118	PASS
	102		4.555	3.328	6.995	PASS
	110		4.969	4.76	7.876	PASS
	134		4.352	5.579	8.019	PASS
IEEE 802.11ax_80	42		-0.207	1.79	3.916	PASS
	58		-1.056	1.347	3.320	PASS
	106		-1.887	1.528	3.158	PASS
	122		0.045	0.372	3.222	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	2.194	0.0917	2.286	30	PASS
	157	-1.848	0.0917	-1.756		PASS
	165	-1.437	0.0917	-1.345		PASS
IEEE 802.11n_20	149	1.135	0.8932	2.028		PASS
	157	-0.256	0.9658	0.71		PASS
	165	0.491	0.9642	1.455		PASS
IEEE 802.11n_40	151	-2.167	0.9958	-1.171		PASS
	159	-1.546	0.9555	-0.591		PASS
IEEE 802.11ac_20	149	1.535	0.8916	2.427		PASS
	157	0.217	0.9469	1.164		PASS
	165	1.068	0.9577	2.026		PASS
IEEE 802.11ac_40	151	-1.449	0.9827	-0.466		PASS
	159	-1.566	0.9931	-0.573		PASS
IEEE 802.11ac_80	155	-7.628	1.9017	-5.726		PASS
IEEE 802.11ax_20	149	2.861	1.2205	4.082		PASS
	157	0.819	1.209	2.028		PASS
	165	1.418	1.2205	2.638		PASS
IEEE 802.11ax_40	151	-1.066	1.2102	0.144		PASS
	159	-0.799	1.2228	0.424		PASS
IEEE 802.11ax_80	155	-5.498	2.2091	-3.289		PASS

Mode	Channel	Ant.1 Meas PSD (dBm/500kHz)	Duty Cycle Factor	Ant.1 Corr'd PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
IEEE 802.11a	149	4.091	0.0917	4.183	30	PASS
	157	3.356	0.0917	3.448		PASS
	165	3.774	0.0917	3.866		PASS
IEEE 802.11n_20	149	3.303	0.8932	4.267		PASS
	157	3.313	0.9658	4.277		PASS
	165	3.675	0.9642	4.639		PASS
IEEE 802.11n_40	151	0.495	0.9958	1.45		PASS
	159	0.625	0.9555	1.621		PASS
IEEE 802.11ac_20	149	3.909	0.8916	4.852		PASS
	157	3.580	0.9469	4.531		PASS
	165	3.056	0.9577	4.018		PASS
IEEE 802.11ac_40	151	0.943	0.9827	1.923		PASS
	159	0.110	0.9931	1.096		PASS
IEEE 802.11ac_80	155	-3.496	1.9017	-1.684		PASS
IEEE 802.11ax_20	149	3.986	1.2205	5.208		PASS
	157	3.127	1.209	4.349		PASS
	165	3.241	1.2205	4.436		PASS
IEEE 802.11ax_40	151	0.393	1.2102	1.604		PASS
	159	0.177	1.2228	1.388		PASS
IEEE 802.11ax_80	155	-2.872	2.2091	-0.802		PASS

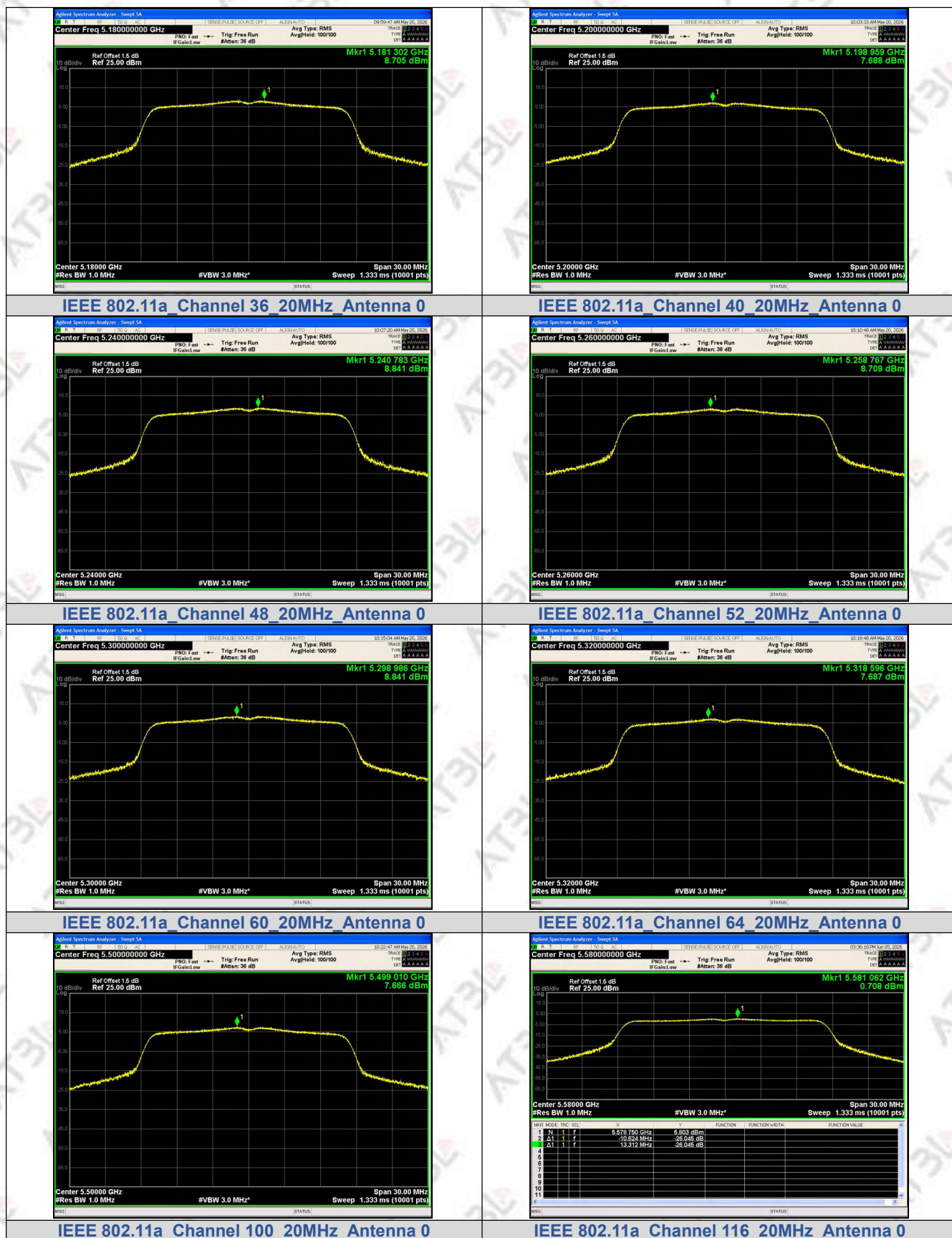
Mode	Channel	Ant.0 Corr'd PSD (dBm/500kHz)	Ant.1 Corr'd PSD (dBm/500kHz)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
IEEE 802.11a	149	2.286	4.183	6.348	30	PASS
	157	-1.756	3.448	4.593		PASS
	165	-1.345	3.866	5.010		PASS
IEEE 802.11n_20	149	2.028	4.267	6.301		PASS
	157	0.71	4.277	5.860		PASS
	165	1.455	4.639	6.343		PASS
IEEE 802.11n_40	151	-1.171	1.45	3.345		PASS
	159	-0.591	1.621	3.665		PASS
IEEE 802.11ac_20	149	2.427	4.852	6.817		PASS
	157	1.164	4.531	6.176		PASS
	165	2.026	4.018	6.146		PASS
IEEE 802.11ac_40	151	-0.466	1.923	3.901		PASS
	159	-0.573	1.096	3.351		PASS
IEEE 802.11ac_80	155	-5.726	-1.684	-0.241		PASS
IEEE 802.11ax_20	149	4.082	5.208	7.692		PASS
	157	2.028	4.349	6.352		PASS
	165	2.638	4.436	6.640		PASS
IEEE 802.11ax_40	151	0.144	1.604	3.945		PASS
	159	0.424	1.388	3.943		PASS
IEEE 802.11ax_80	155	-3.289	-0.802	1.140		PASS

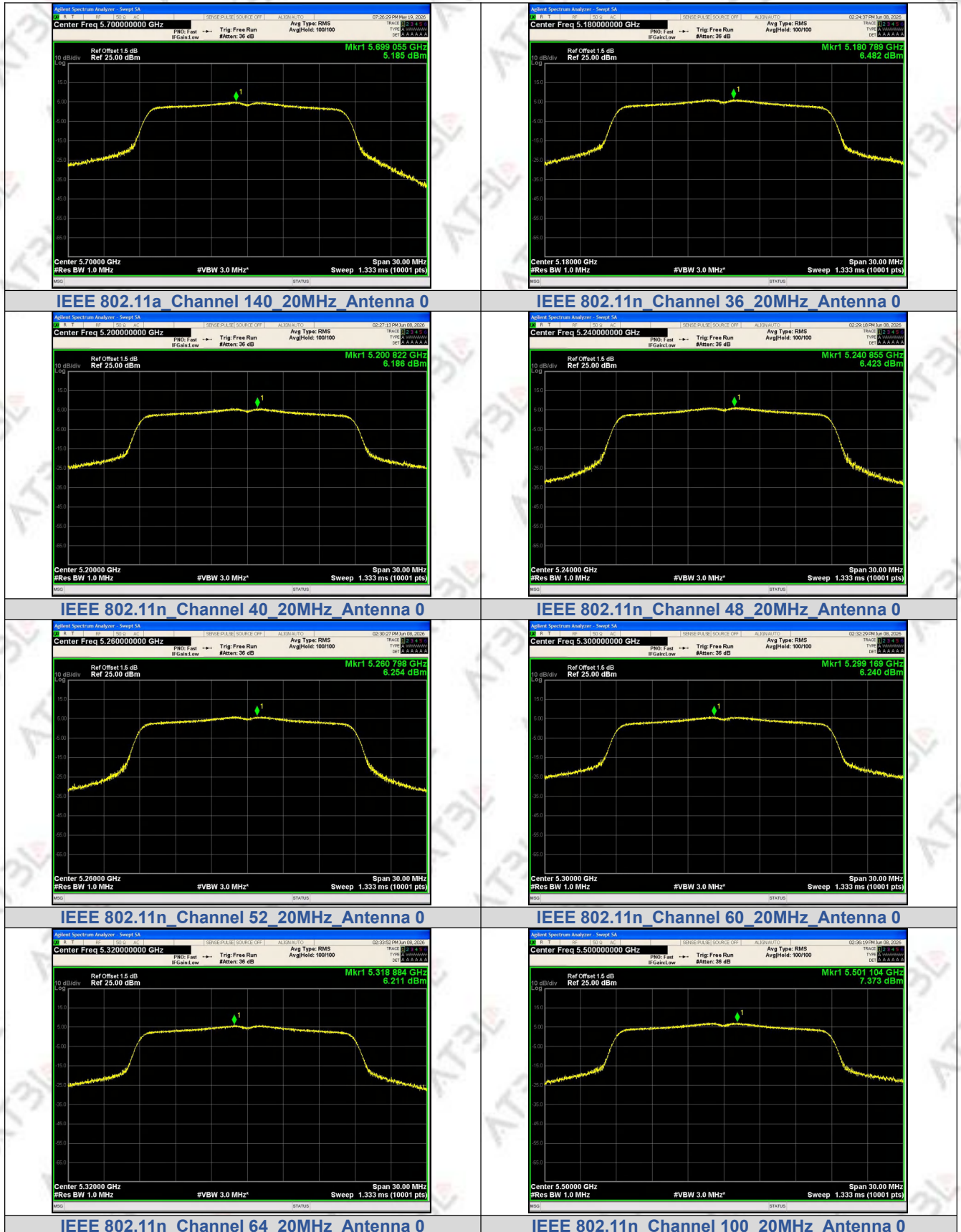
Note:

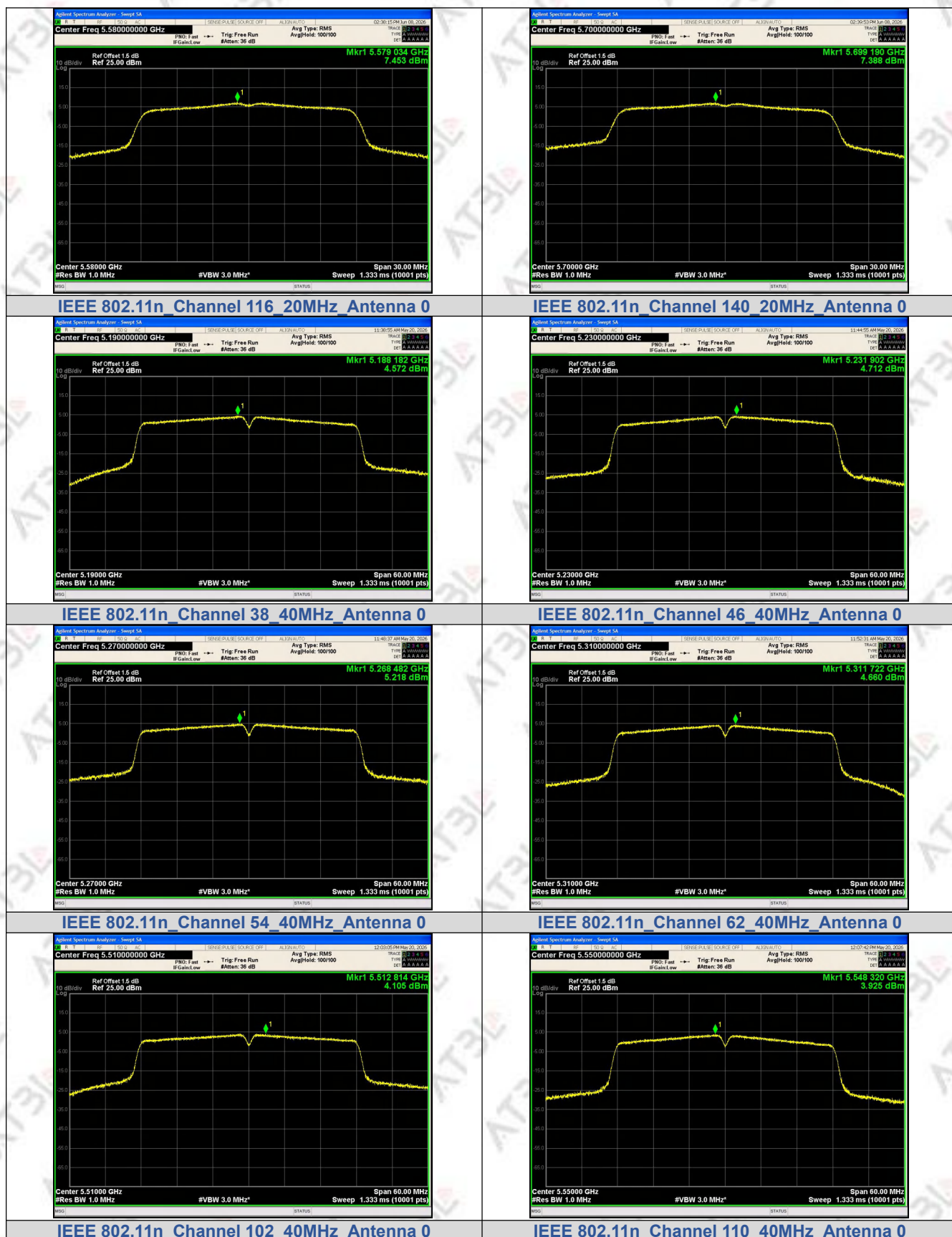
Corr'd PSD=Meas PSD+Duty Cycle Factor (dB).

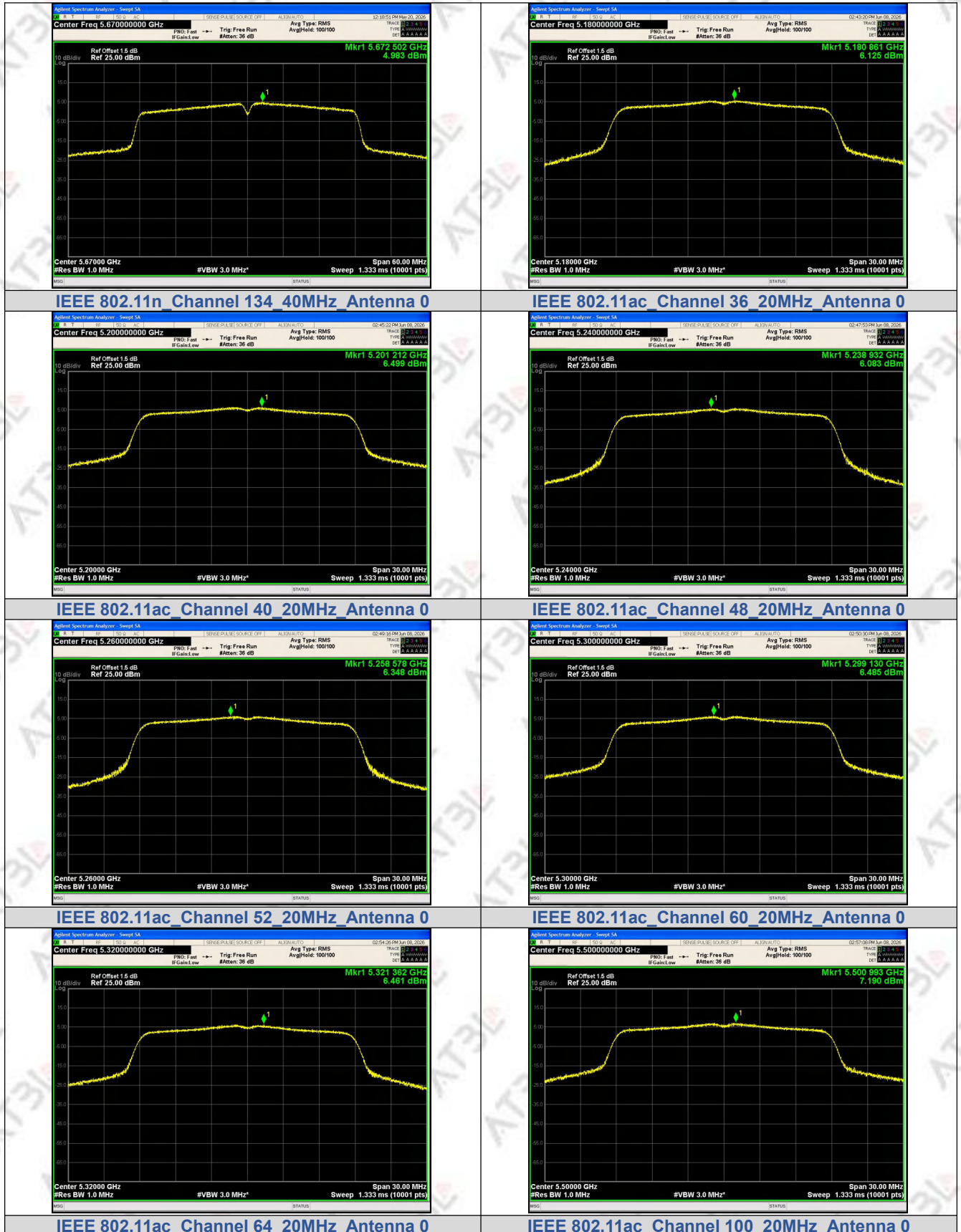
Duty cycle factor=10*log (1/duty cycle)

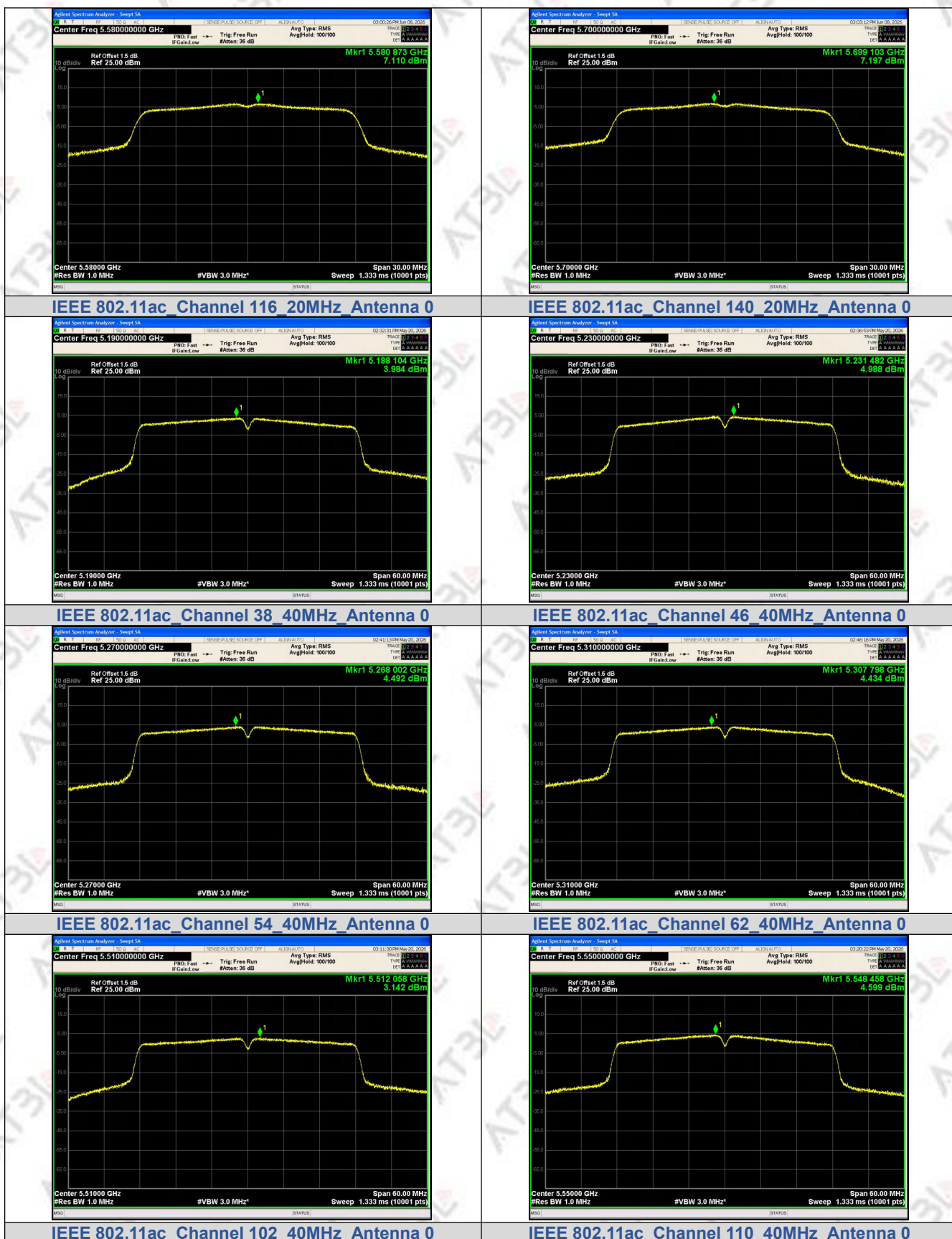
Test Graphs

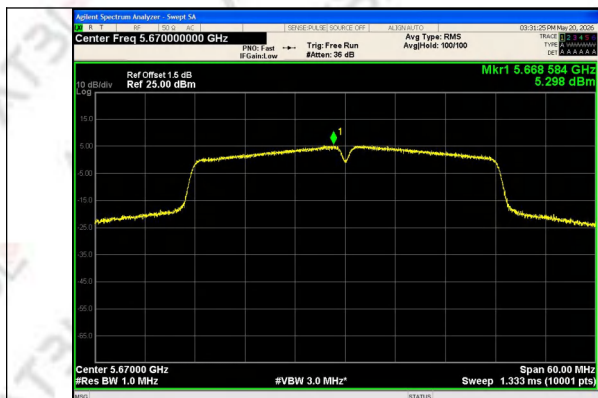




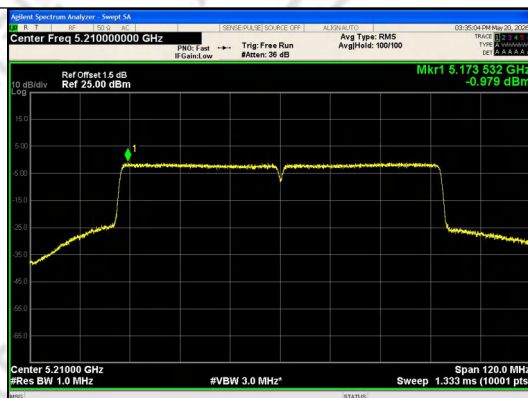




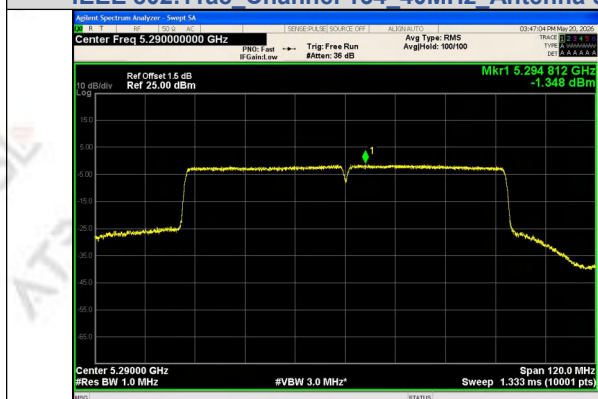




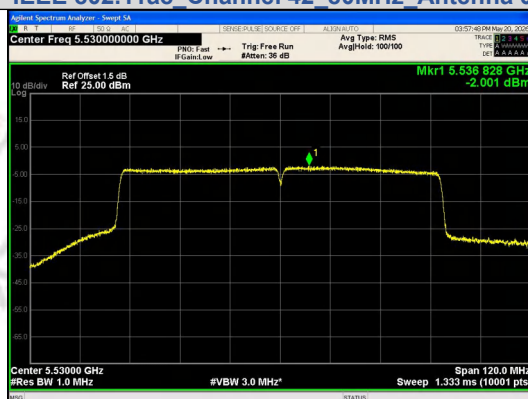
IEEE 802.11ac Channel 134 40MHz Antenna 0



IEEE 802.11ac Channel 42 80MHz Antenna 0



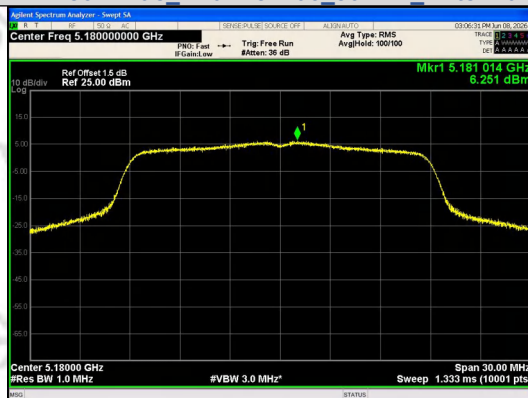
IEEE 802.11ac Channel 58 80MHz Antenna 0



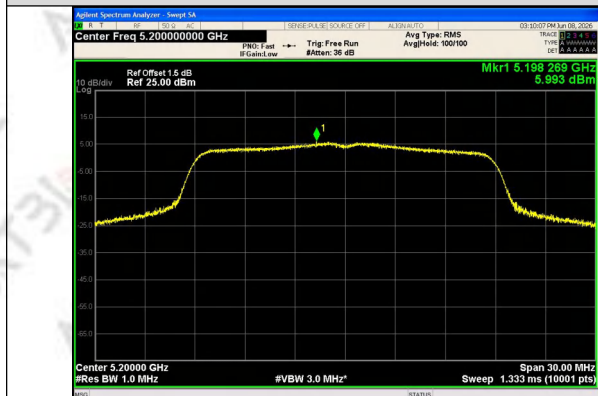
IEEE 802.11ac Channel 106 80MHz Antenna 0



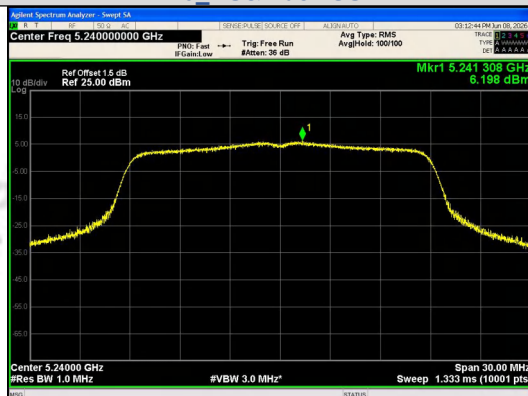
IEEE 802.11ac Channel 122 80MHz Antenna 0



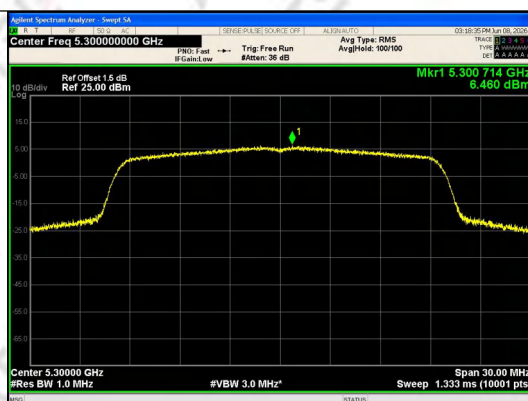
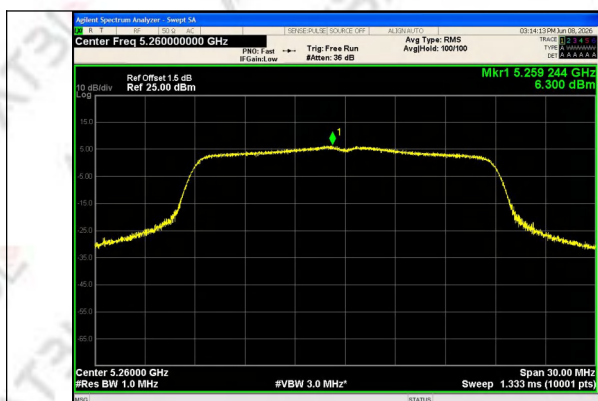
IEEE 802.11ax Channel 36 20MHz Antenna 0 RU&Index SU



IEEE 802.11ax Channel 40 20MHz Antenna 0 RU&Index SU

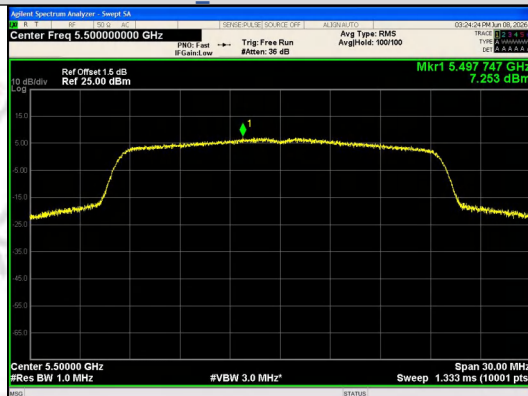
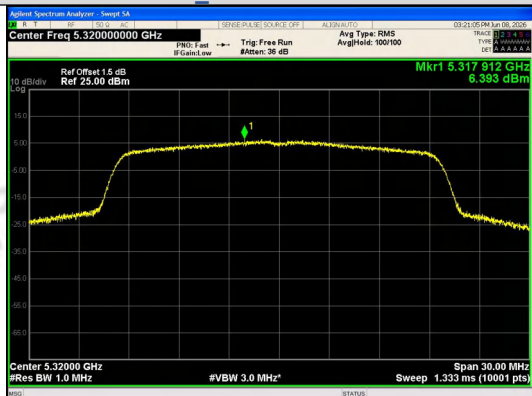


IEEE 802.11ax Channel 48 20MHz Antenna 0 RU&Index SU



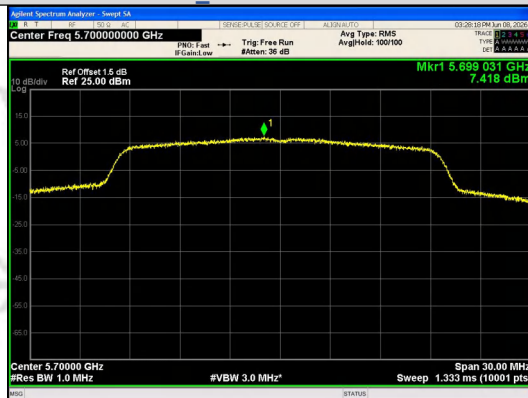
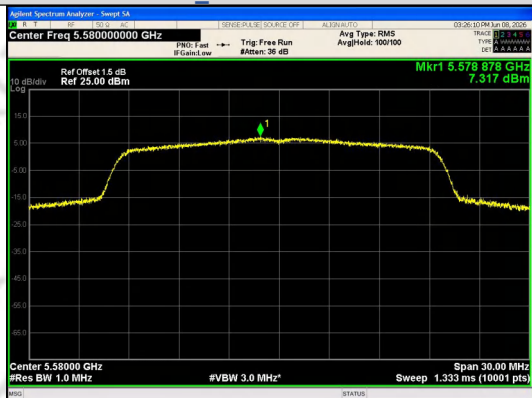
IEEE 802.11ax Channel 52_20MHz_Antenna
0_RU&Index SU

IEEE 802.11ax Channel 60_20MHz_Antenna
0_RU&Index SU



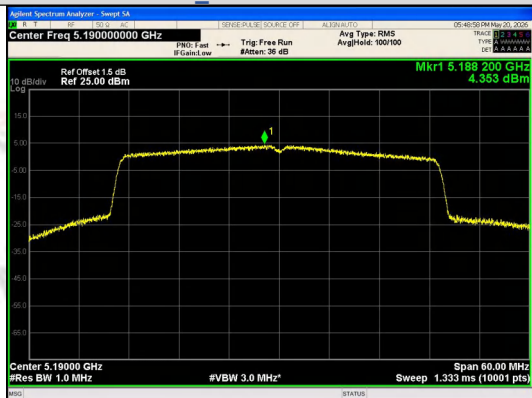
IEEE 802.11ax Channel 64_20MHz_Antenna
0_RU&Index SU

IEEE 802.11ax Channel 100_20MHz_Antenna
0_RU&Index SU



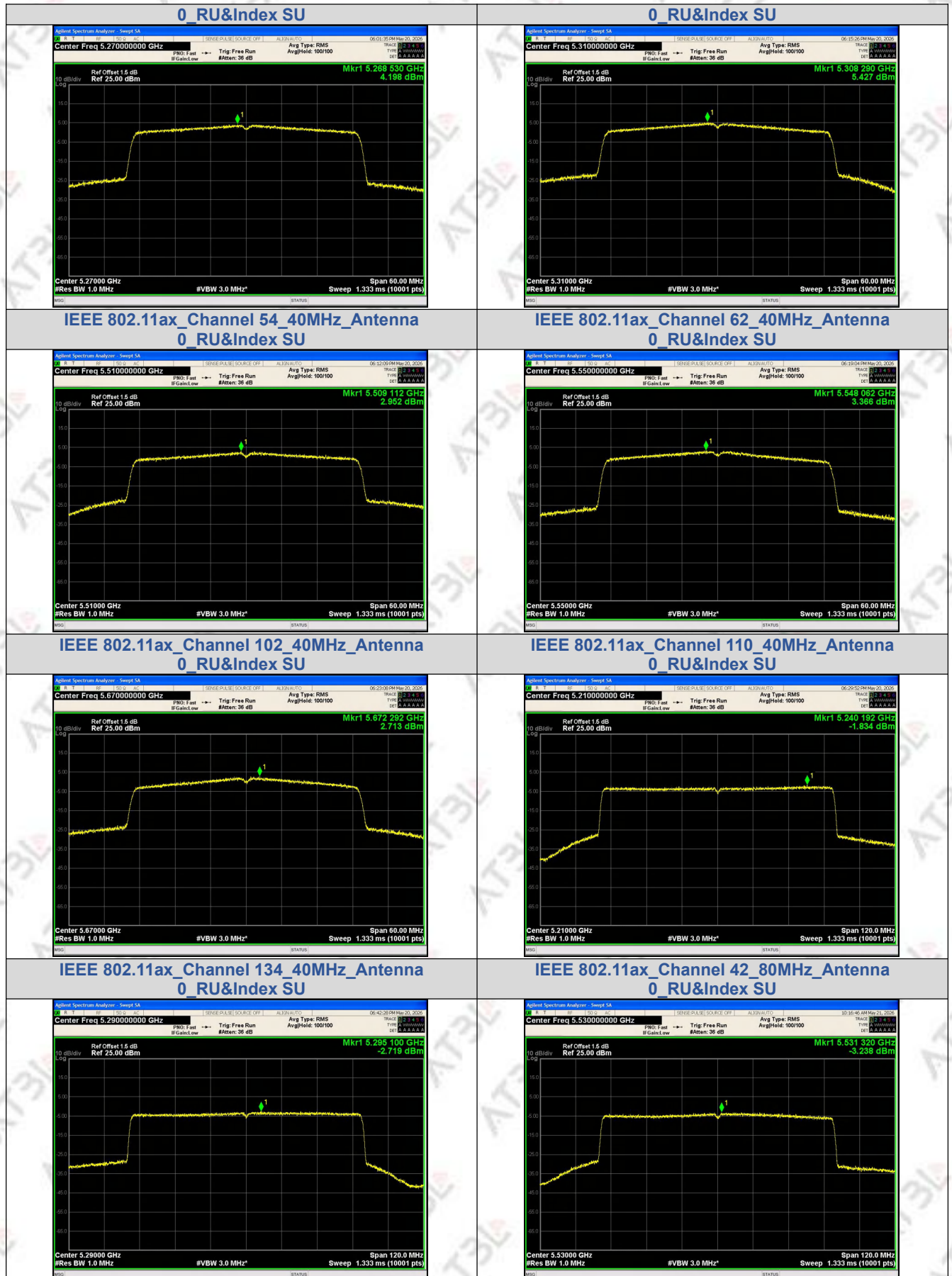
IEEE 802.11ax Channel 116_20MHz_Antenna
0_RU&Index SU

IEEE 802.11ax Channel 140_20MHz_Antenna
0_RU&Index SU

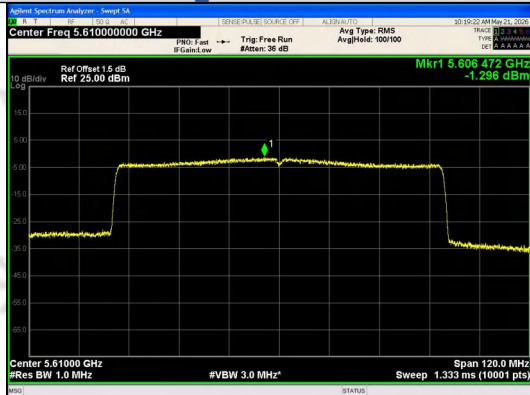


IEEE 802.11ax Channel 38_40MHz_Antenna

IEEE 802.11ax Channel 46_40MHz_Antenna

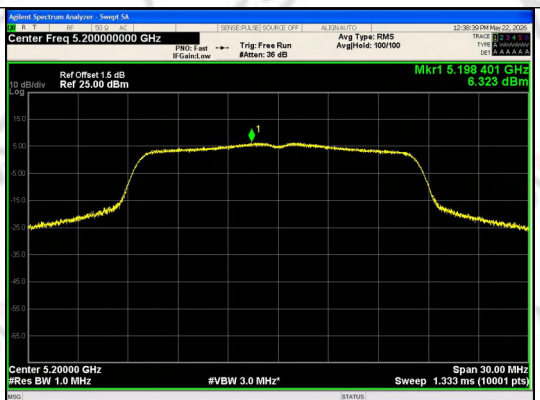
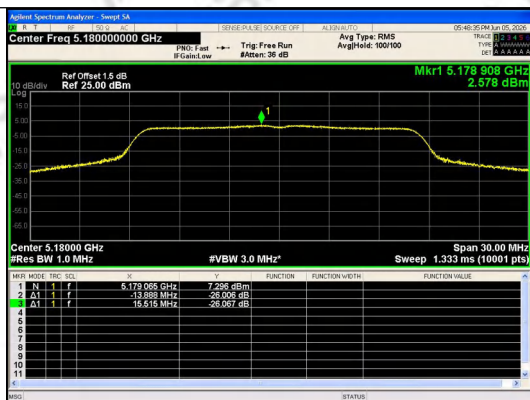


IEEE 802.11ax_Channel 58_80MHz_Antenna 0_RU&Index SU

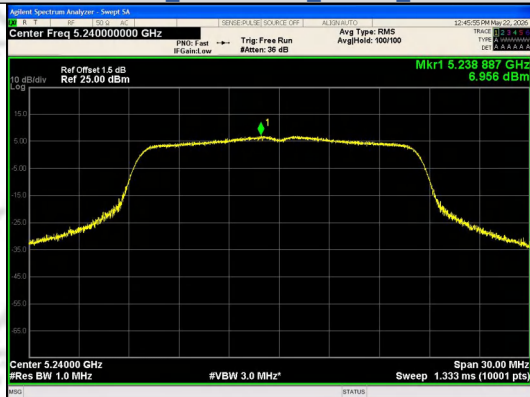


IEEE 802.11ax_Channel 122_80MHz_Antenna 0_RU&Index SU

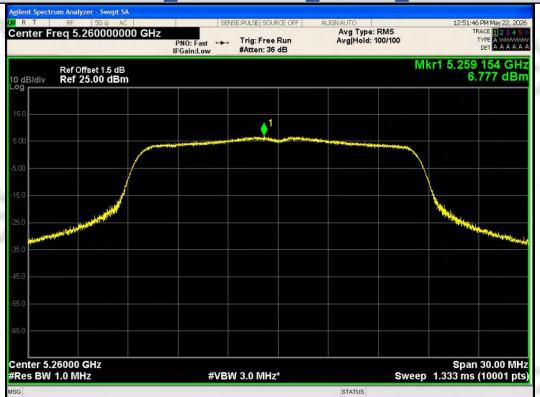
IEEE 802.11ax_Channel 106_80MHz_Antenna 0_RU&Index SU



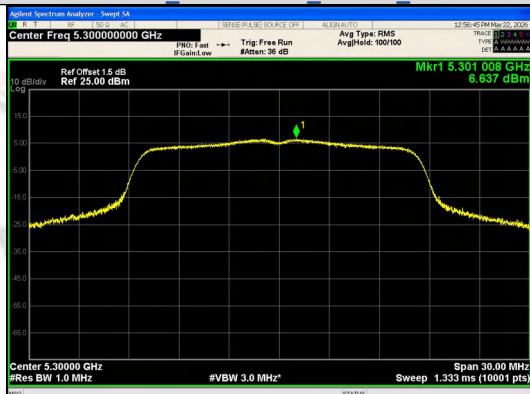
IEEE 802.11a_Channel 36_20MHz_Antenna 1



IEEE 802.11a_Channel 40_20MHz_Antenna 1



IEEE 802.11a_Channel 48_20MHz_Antenna 1



IEEE 802.11a_Channel 52_20MHz_Antenna 1

