

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

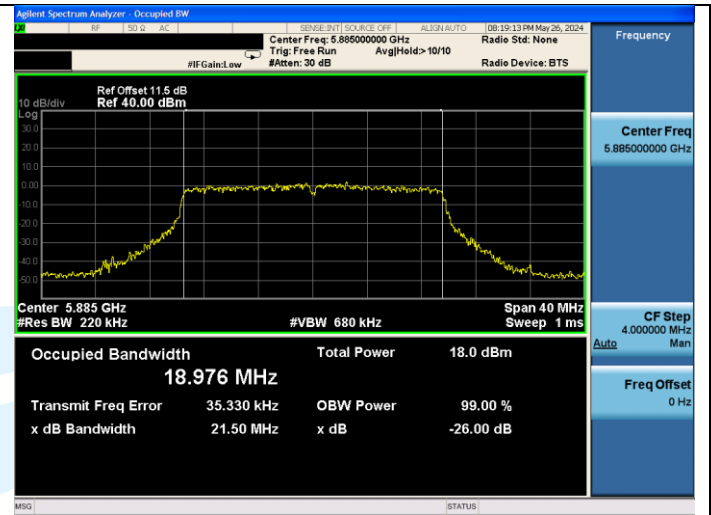
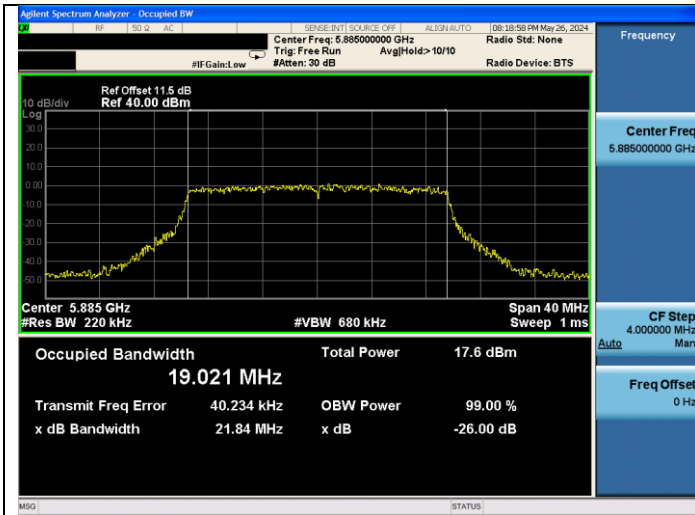
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

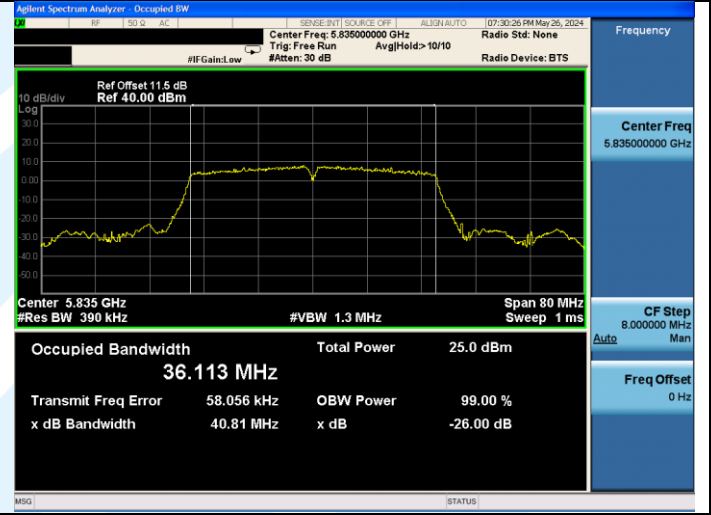
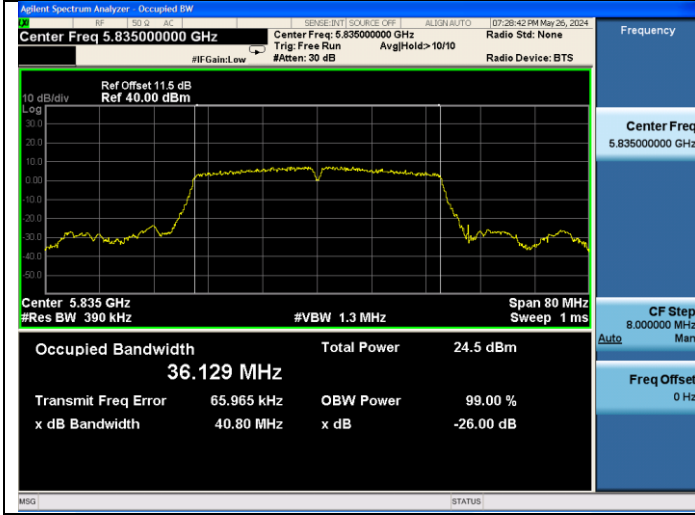
<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2



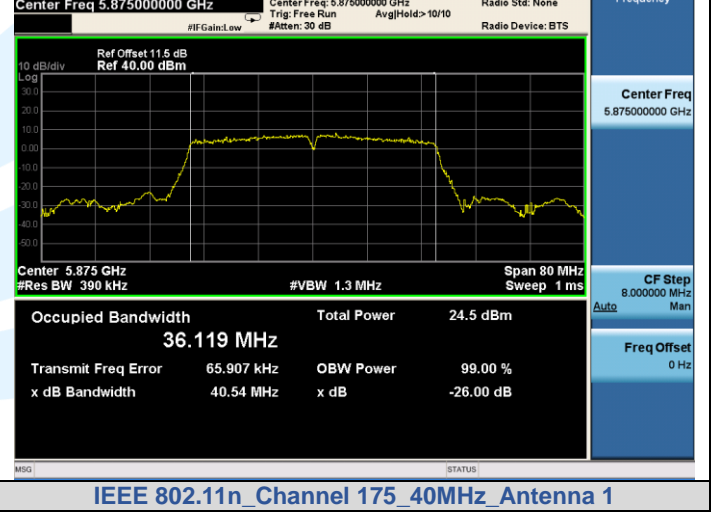
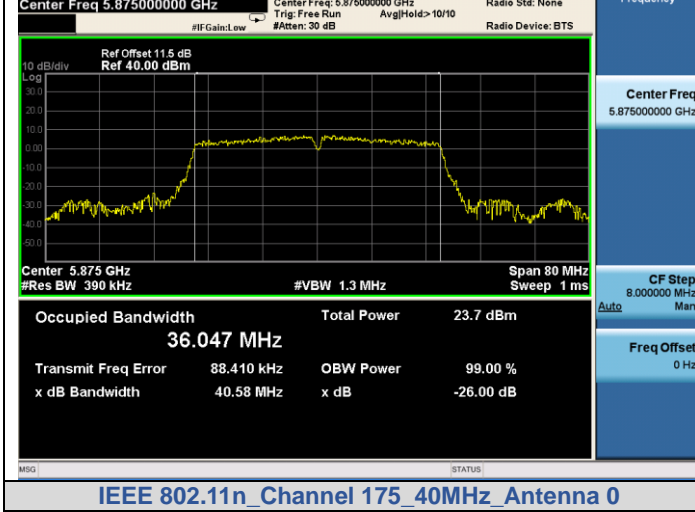
IEEE 802.11ax Channel 177 20MHz Antenna 1 RU&Index SU

IEEE 802.11ax Channel 177 20MHz Antenna 2 RU&Index SU



IEEE 802.11n Channel 167 40MHz Antenna 0

IEEE 802.11n Channel 167 40MHz Antenna 1



IEEE 802.11n Channel 175 40MHz Antenna 0

IEEE 802.11n Channel 175 40MHz Antenna 1

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

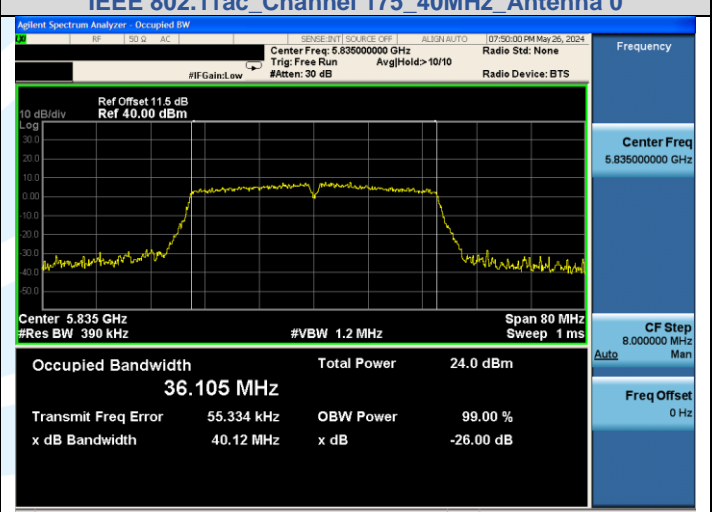
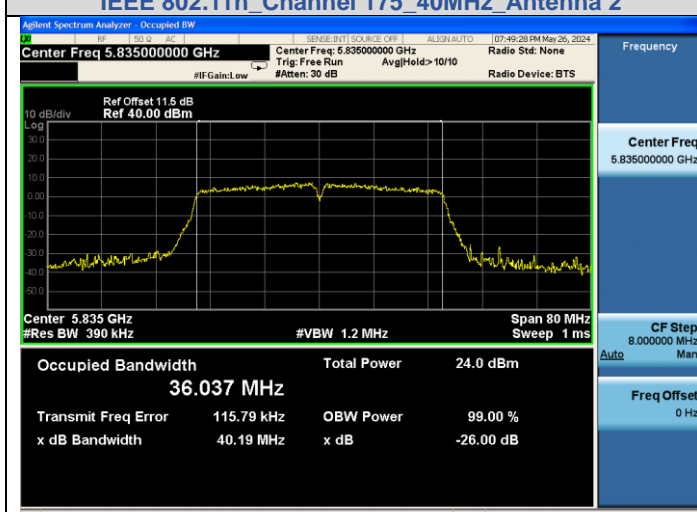
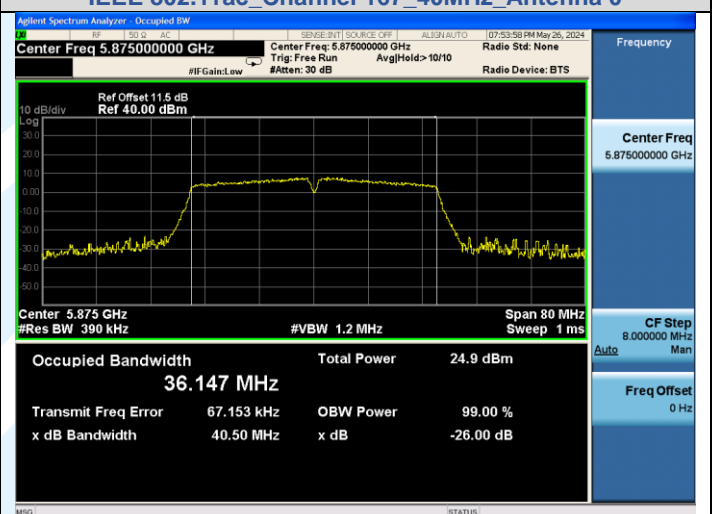
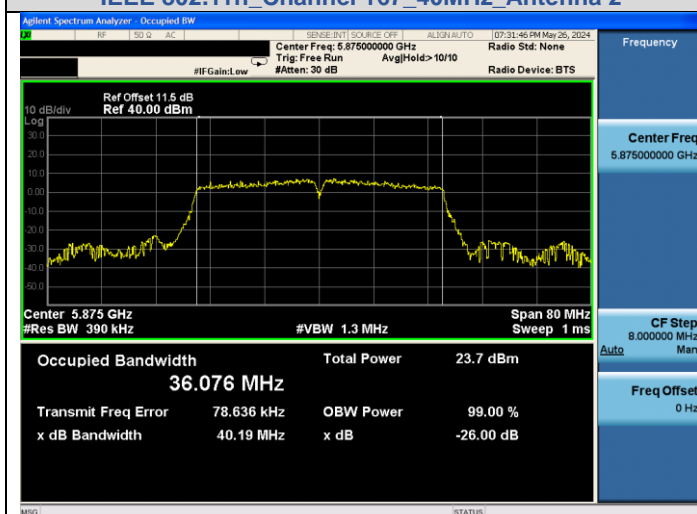
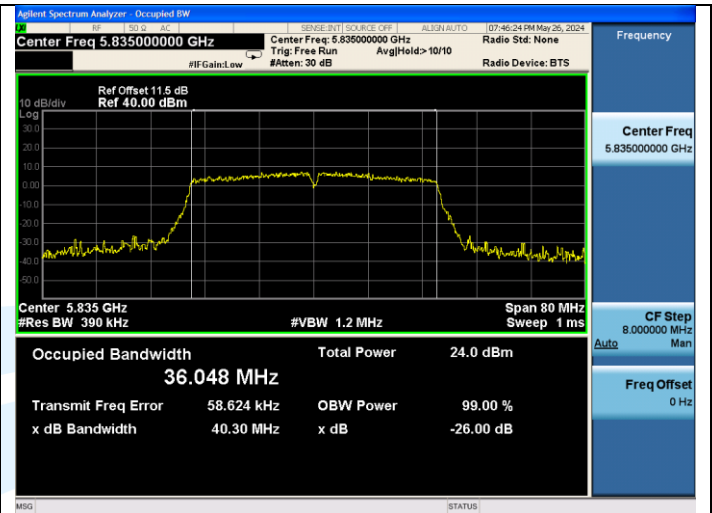
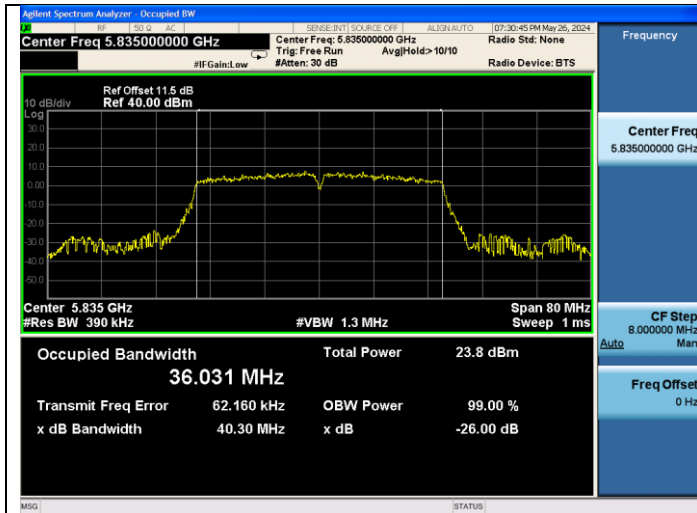
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2



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

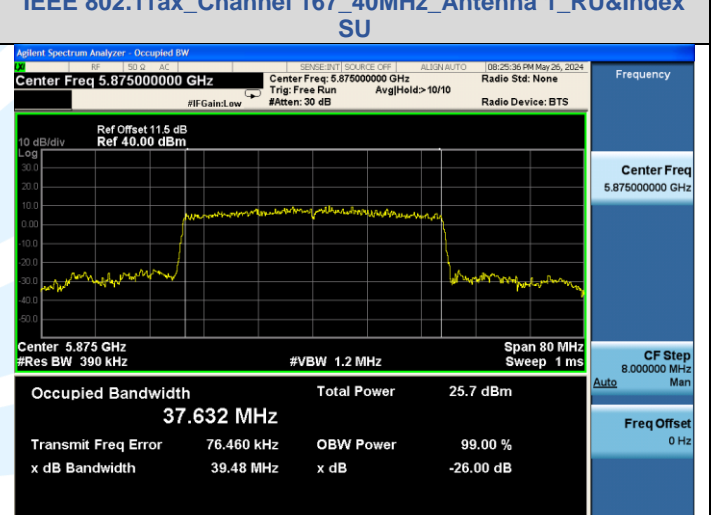
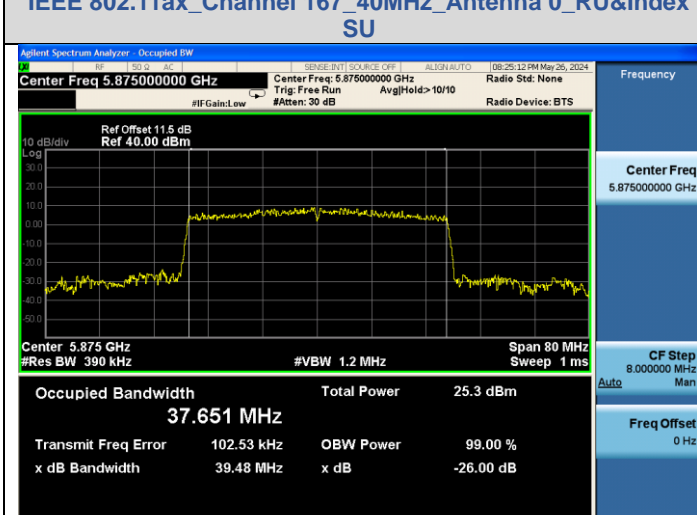
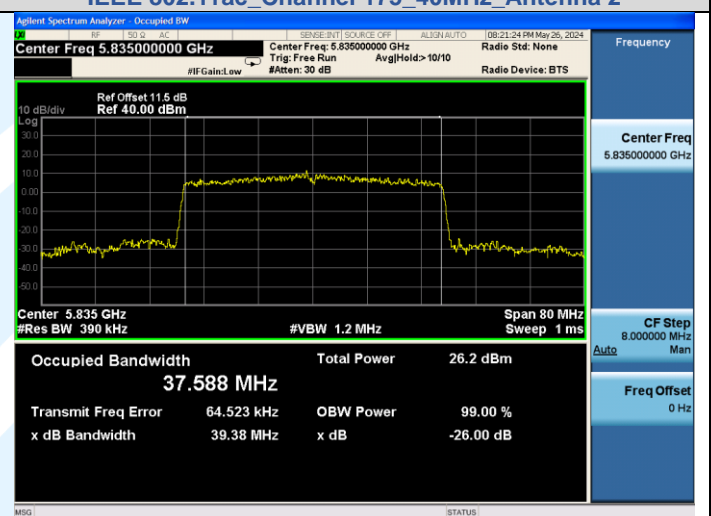
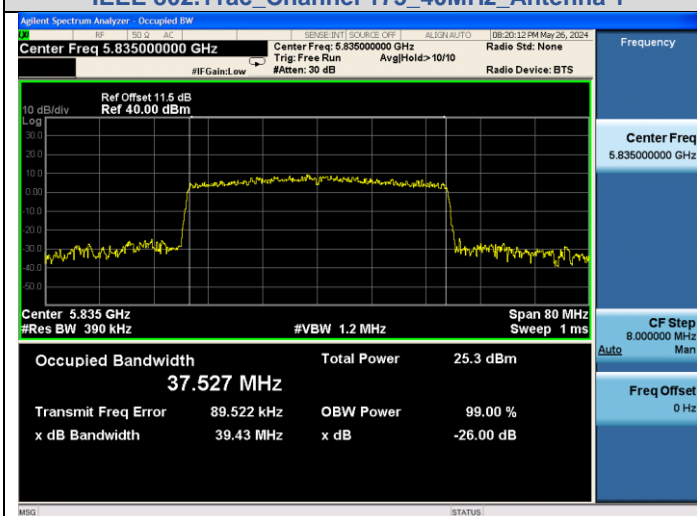
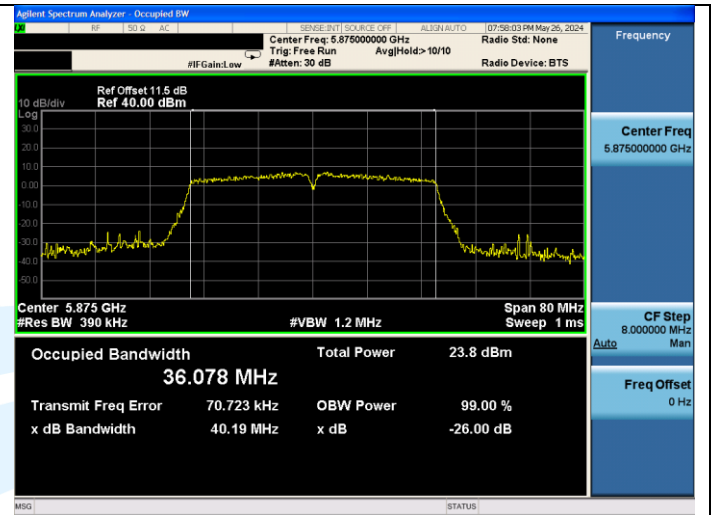
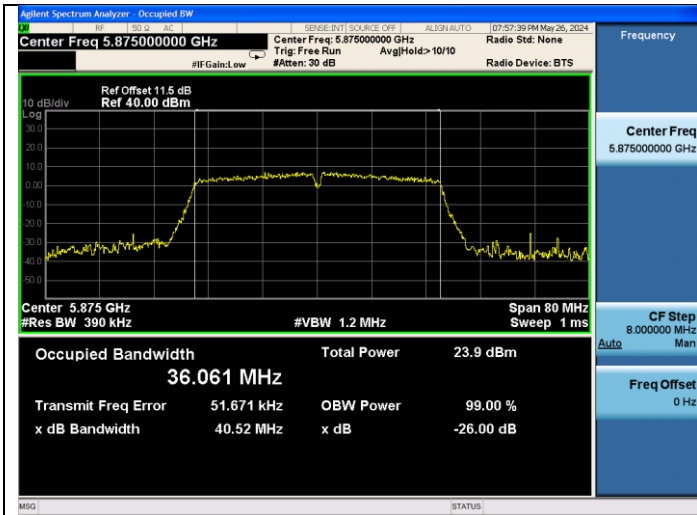
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2



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

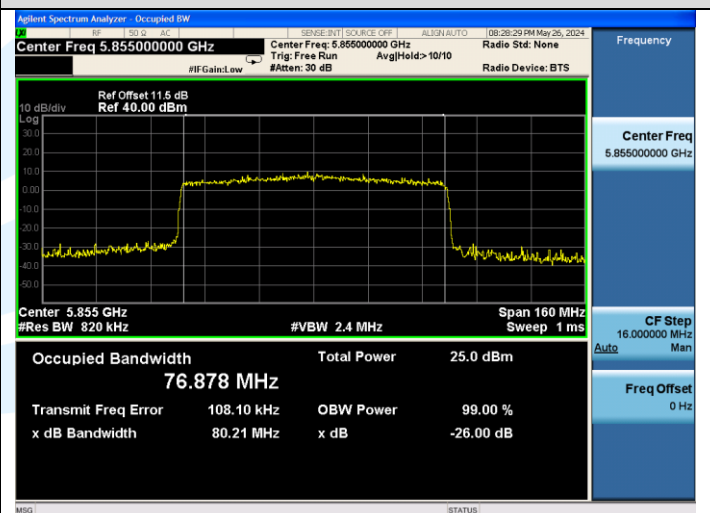
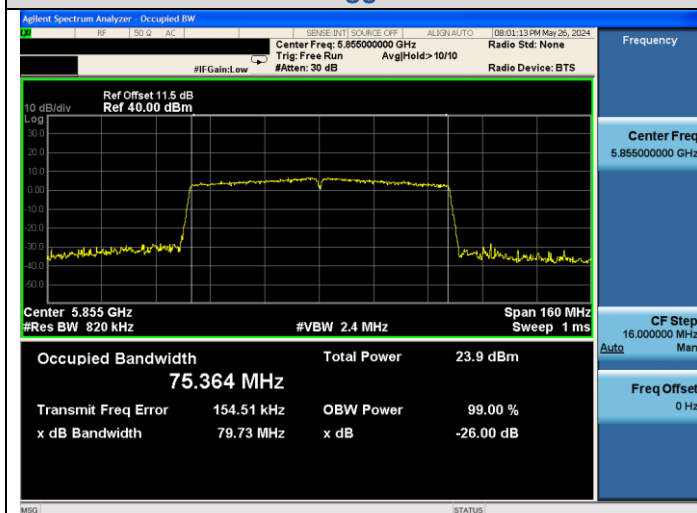
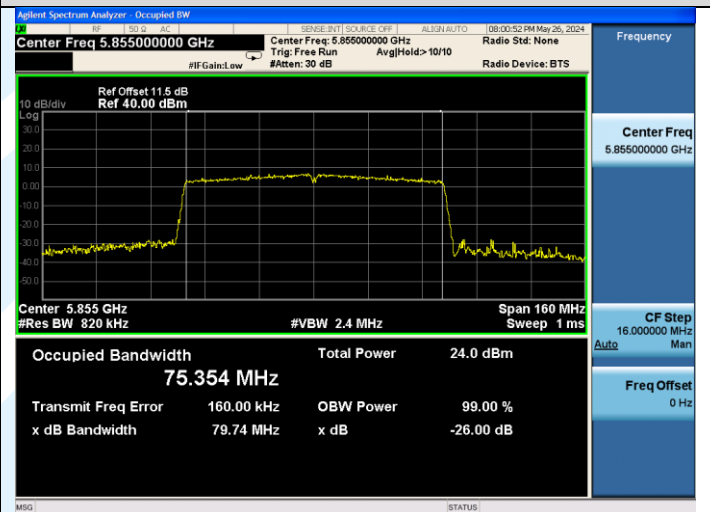
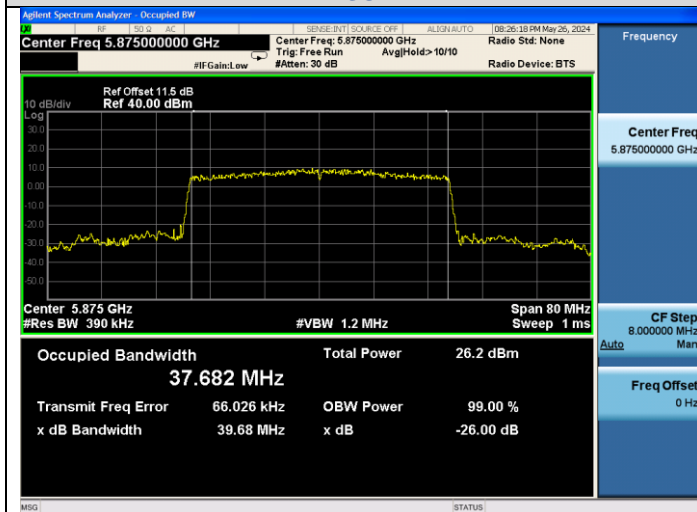
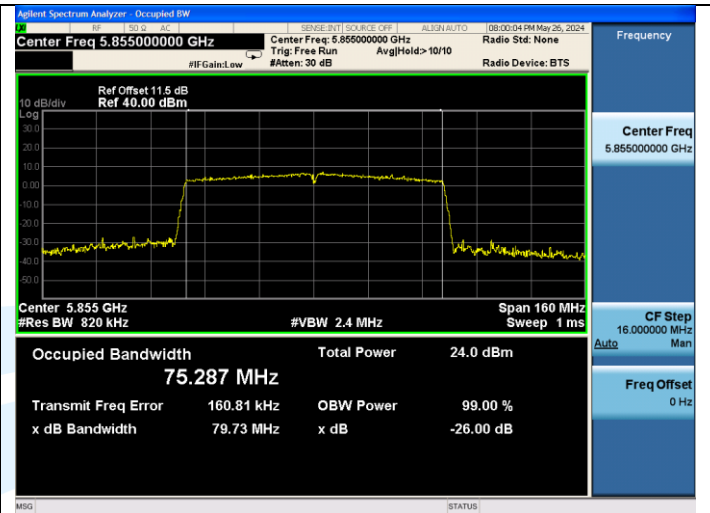
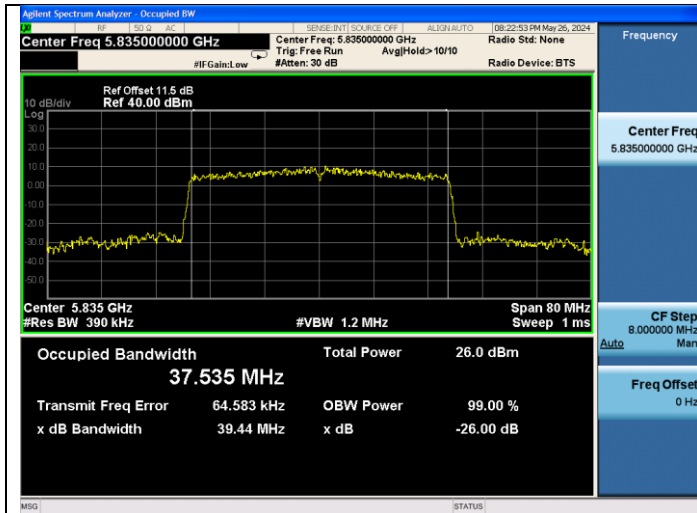
Tel: +86-755-28230888

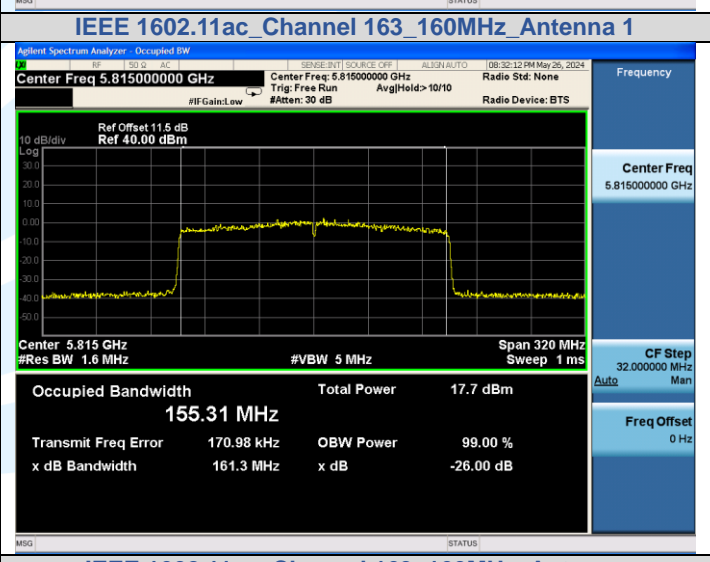
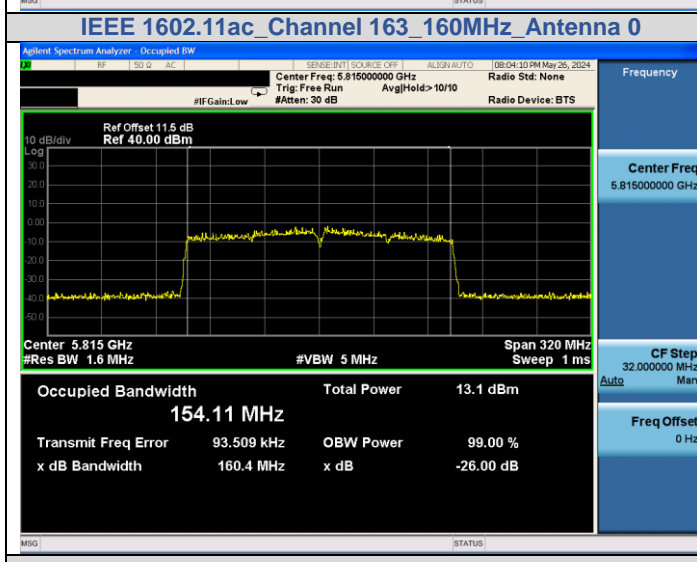
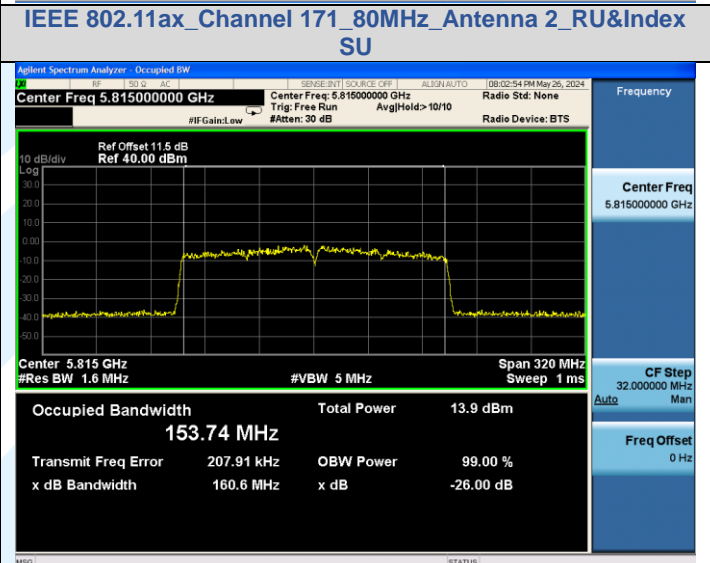
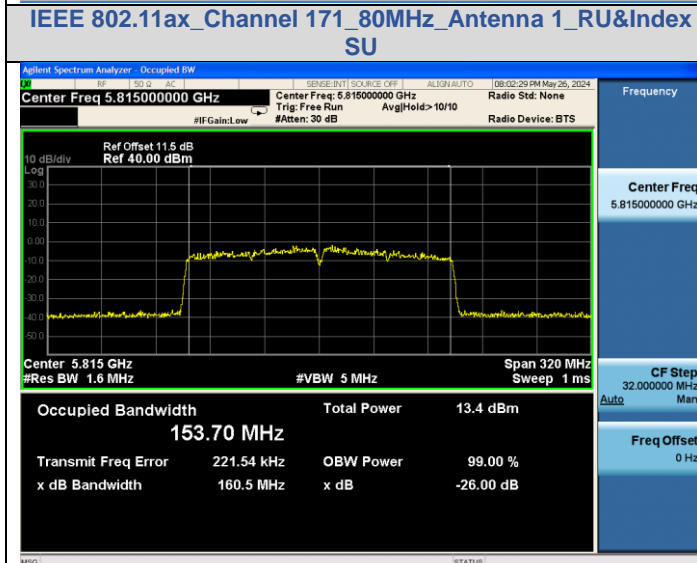
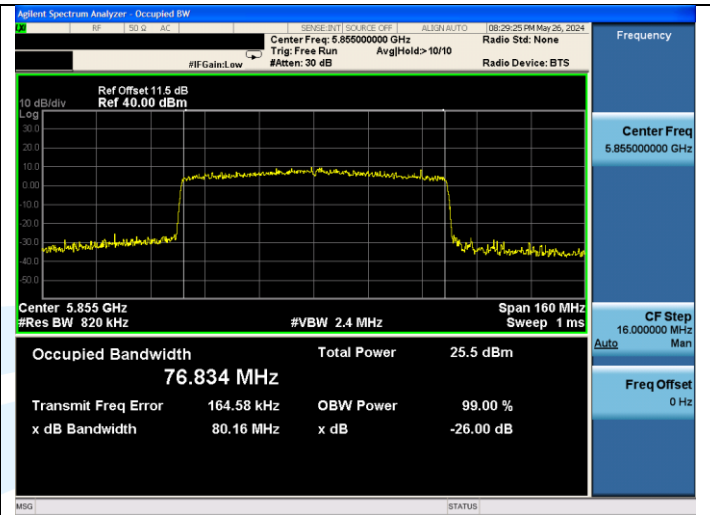
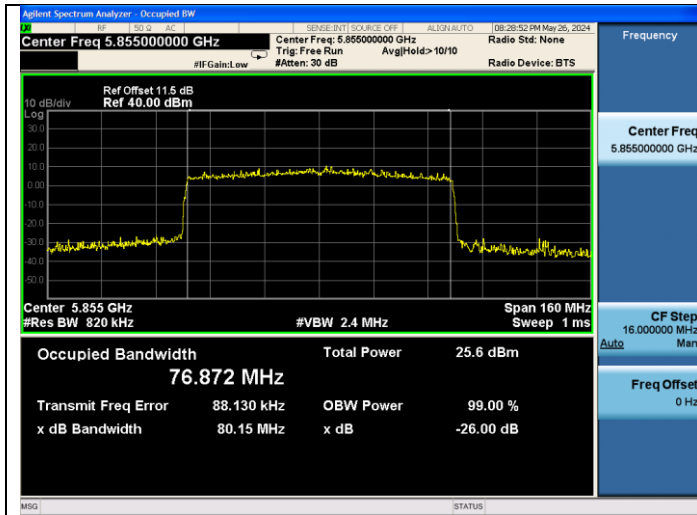
Fax: +86-755-28230886

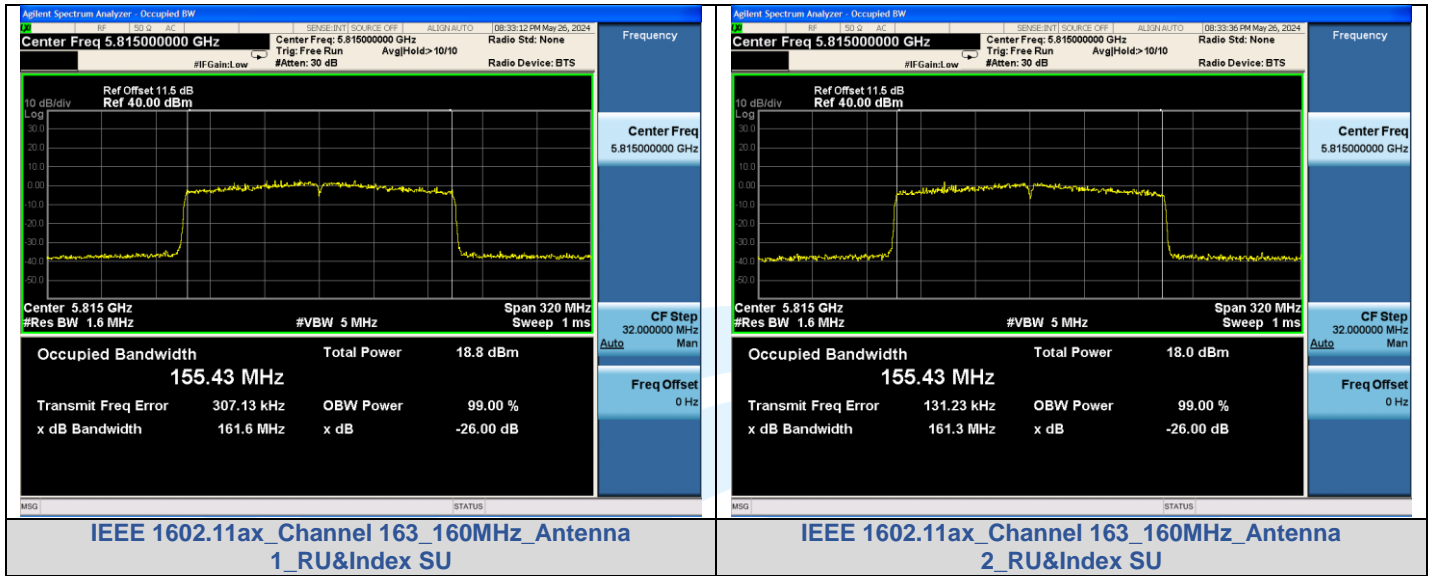
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2







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

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2

A.3 PEAK POWER SPECTRAL DENSITY

For U-NII-1, U-NII-2A and U-NII-2C Band:

Mode	Chan nel	RU & Ind ex	Ant. 0 Meas PSD (dBm/M Hz or dBm/0.5 MHz)	Ant. 1 Meas PSD (dBm/M Hz or dBm/0.5 MHz)	Ant. 2 Meas PSD (dBm/M Hz or dBm/0.5 MHz)	Ant. 0 Corr'd PSD (dBm/M Hz or dBm/0.5 MHz)	Ant. 1 Corr'd PSD (dBm/M Hz or dBm/0.5 MHz)	Ant. 2 Corr'd PSD (dBm/M Hz or dBm/0.5 MHz)	Total PSD (dBm/M Hz or dBm/0.5 MHz)	Limit (dBm/M Hz or dBm/0.5 MHz)	Res ult
IEEE 802.11a	36	N/A	10.846	11.642	9.967	11.03	11.83	10.15	N/A	16.5	PAS S
	44		11.199	11.838	10.427	11.38	12.02	10.61	N/A		PAS S
	48		11.064	11.580	10.395	11.25	11.76	10.58	N/A		PAS S
	52		9.974	9.814	9.252	10.16	10.00	9.44	N/A	10.5	PAS S
	60		9.796	9.842	8.596	9.98	10.03	8.78	N/A		PAS S
	64		9.601	9.413	8.800	9.78	9.60	8.98	N/A		PAS S
	100		9.475	8.176	6.330	9.66	8.36	6.51	N/A		PAS S
	116		10.303	10.204	8.978	10.49	10.39	9.16	N/A		PAS S
140	6.257	6.762	5.552	6.44	6.95	5.74	N/A	PAS S			
IEEE 802.11n_20	36	N/A	7.471	6.717	5.830	7.67	6.91	6.03	11.69	12.63	PAS S
	44		7.546	8.292	6.441	7.74	8.49	6.64	12.46		PAS S
	48		7.441	7.060	6.422	7.64	7.26	6.62	11.96		PAS S
	52		1.179	0.480	-0.474	1.37	0.68	-0.28	5.41	6.63	PAS S
	60		0.614	-0.281	-0.846	0.81	-0.09	-0.65	4.84		PAS S
	64		1.061	-0.165	-0.268	1.26	0.03	-0.07	5.22		PAS S
	100		0.671	-0.100	-1.087	0.87	0.10	-0.89	4.85		PAS S
	116		1.232	0.087	-0.890	1.43	0.28	-0.69	5.20		PAS S
140	0.795	-0.132	-0.768	0.99	0.06	-0.57	4.98	PAS S			
IEEE 802.11n_40	38	N/A	4.695	5.616	4.580	5.08	6.00	4.97	10.15	12.63	PAS S
	46		5.474	5.642	4.904	5.86	6.03	5.29	10.51		PAS S
	54		0.252	0.275	-0.040	0.64	0.66	0.35	5.32	6.63	PAS S
	62		0.061	0.605	-0.302	0.45	0.99	0.08	5.29		PAS S
	102		-4.734	-3.910	-5.203	-4.35	-3.52	-4.82	0.58		PAS S
	110		0.322	0.562	-0.557	0.71	0.95	-0.17	5.29		PAS S
134	-1.130	-1.742	-2.342	-0.74	-1.36	-1.96	3.45	PAS S			
IEEE 802.11ac_20	36	N/A	5.999	7.142	5.779	6.61	7.75	6.39	11.73	12.63	PAS S
	44		6.121	7.189	7.002	6.73	7.80	7.61	12.18		PAS S

Shenzhen UnionTrust Quality and Technology Co., Ltd.

	48		6.259	7.034	6.401	6.87	7.64	7.01	11.96	6.63	PAS S
	52		1.568	1.077	0.568	2.18	1.69	1.18	6.47		PAS S
	60		0.782	0.683	0.603	1.39	1.29	1.21	6.07		PAS S
	64		0.981	1.307	0.449	1.59	1.92	1.06	6.31		PAS S
	100		0.994	1.568	0.430	1.60	2.18	1.04	6.40		PAS S
	116		0.835	1.537	0.845	1.44	2.15	1.45	6.47		PAS S
	140		1.485	1.080	0.440	2.09	1.69	1.05	6.40		PAS S
IEEE 802.11ac _40	38	SU	6.391	7.320	6.613	7.29	8.22	7.51	12.47	12.63	PAS S
	46		6.720	6.671	6.578	7.62	7.57	7.48	12.33		PAS S
	54		0.553	0.898	0.737	1.45	1.80	1.64	6.40	6.63	PAS S
	62		0.493	1.096	0.332	1.39	2.00	1.23	6.33		PAS S
	102		-3.177	-2.667	-3.356	-2.28	-1.77	-2.45	2.62		PAS S
	110		0.846	1.096	0.487	1.75	2.00	1.35	6.48		PAS S
	134		0.134	0.097	-0.549	1.04	1.00	0.35	5.58		PAS S
IEEE 802.11ac _80	42	SU	-2.914	-2.989	-3.593	-1.52	-1.60	-2.20	3.01	12.63	PAS S
	58		-3.082	-3.146	-3.421	-1.69	-1.75	-2.03	2.95	6.63	PAS S
	106		-8.929	-9.437	-9.450	-7.54	-8.04	-8.06	-3.10		PAS S
IEEE 802.11ac _160	50	SU	-7.724	-7.481	-7.877	-5.79	-5.55	-5.95	-0.99	12.63	PAS S
	114		-12.935	-12.476	-13.367	-11.00	-10.54	-11.44	-6.21	6.63	PAS S
IEEE 802.11ax _20	36	SU	5.945	6.878	6.013	6.468	7.401	6.536	11.594	12.63	PAS S
	44		7.276	7.429	7.219	7.799	7.952	7.742	12.603		PAS S
	48		7.208	7.337	7.344	7.728	7.860	7.867	12.590		PAS S
	52		1.269	1.407	1.098	1.792	1.930	1.621	6.554	6.63	PAS S
	60		0.386	0.678	0.867	0.909	1.201	1.390	5.942		PAS S
	64		0.432	0.983	0.778	0.955	1.506	1.301	6.031		PAS S
	100		1.202	1.078	0.959	1.725	1.601	1.482	6.375		PAS S
	116		1.177	0.994	1.472	1.700	1.517	1.995	6.513		PAS S
140	0.935	1.217	1.262	1.458	1.740	1.785	6.434	PAS S			
IEEE 802.11ax _40	38	SU	-0.211	0.629	-0.039	0.318	1.158	0.490	5.441	12.63	PAS S
	46		0.195	1.270	0.540	0.724	1.799	1.069	5.991		PAS S
	54		0.594	0.491	0.057	1.123	1.010	0.586	5.683	6.63	PAS S
	62		0.173	0.459	0.082	0.702	0.988	0.611	5.541		PAS S
	102		-2.667	-2.639	-2.761	-2.138	-2.110	-2.232	2.611		PAS

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

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2

	110		0.275	0.736	0.365	0.804	1.265	0.894	5.763		S
	134		-0.271	-0.446	-0.267	0.258	0.083	0.262	4.973		PAS
IEEE 802.11ax _80	42		-6.428	-5.929	-6.144	-5.888	-5.389	-5.604	-0.850	12.63	S
	58		-4.341	-4.358	-4.410	-3.801	-3.818	-3.870	0.942	6.63	PAS
	106		-9.584	-9.185	-9.785	-9.044	-8.645	-9.245	-4.199		S
IEEE 802.11ax _160	50		-6.288	-6.158	-6.364	-5.741	-5.611	-5.817	-0.951	12.63	PAS
	114		-11.594	-11.423	-12.499	-11.047	-10.876	-11.952	-6.496	6.63	S

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

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2

Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5 MHz)	Ant. 1 Meas PSD (dBm/MHz or dBm/0.5 MHz)	Ant. 2 Meas PSD (dBm/MHz or dBm/0.5 MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5 MHz)	Ant. 1 Corr'd PSD (dBm/MHz or dBm/0.5 MHz)	Ant. 2 Corr'd PSD (dBm/MHz or dBm/0.5 MHz)	Total PSD (dBm/MHz or dBm/0.5 MHz)	Limit (dBm/MHz or dBm/0.5 MHz)	Result	
IEEE 802.11a	144	N/A	9.934	9.945	9.438	10.114	10.125	9.618	N/A	6.63	PASS	
IEEE 802.11n_20			1.009	1.532	1.513	1.209	1.732	1.713	6.329		PASS	
IEEE 802.11n_40	142		0.368	1.338	1.341	0.758	1.728	1.731	6.200		PASS	
IEEE 802.11a_c_20	144		1.029	1.245	1.242	1.639	1.855	1.852	6.554		PASS	
IEEE 802.11a_c_40	142		0.539	0.435	0.603	1.439	1.335	1.503	6.197		PASS	
IEEE 802.11a_c_80	138		-2.400	-2.845	-2.585	-1.01	-1.455	-1.195	3.555		PASS	
IEEE 802.11a_x_20	144		0.978	1.279	1.065	1.498	1.799	1.585	6.400		PASS	
IEEE 802.11a_x_40	142		SU	0.583	1.108	0.952	1.113	1.638	1.482		6.188	PASS
IEEE 802.11a_x_80	138		-2.844	-2.784	-2.885	-2.304	-2.244	-2.345	2.474		PASS	

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

Tel: +86-755-28230888

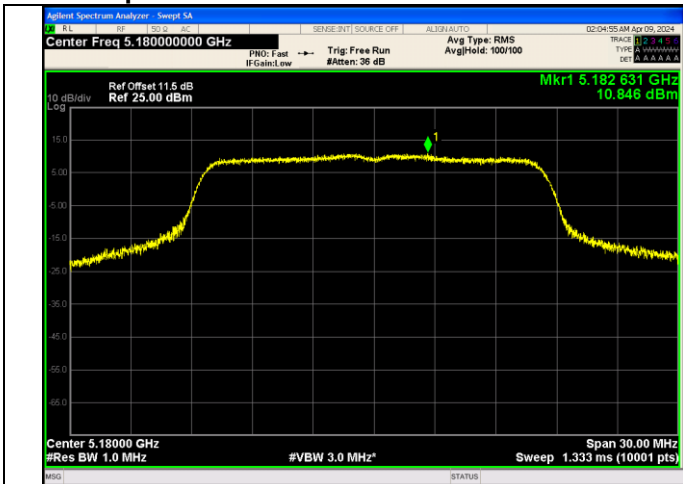
Fax: +86-755-28230886

E-mail: info@uttlab.com

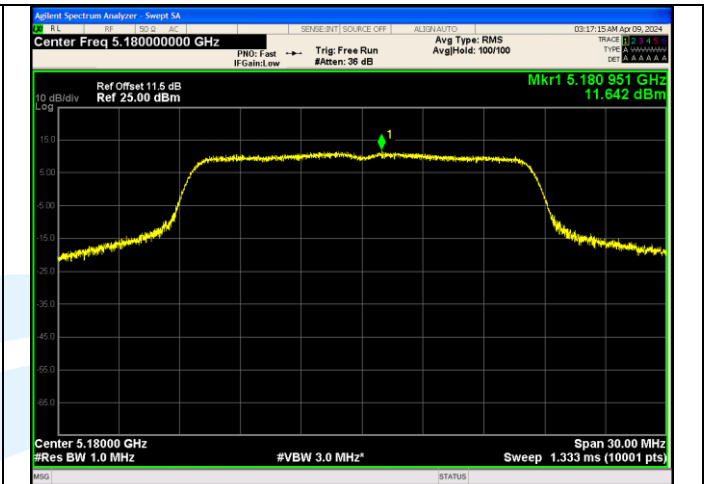
<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2

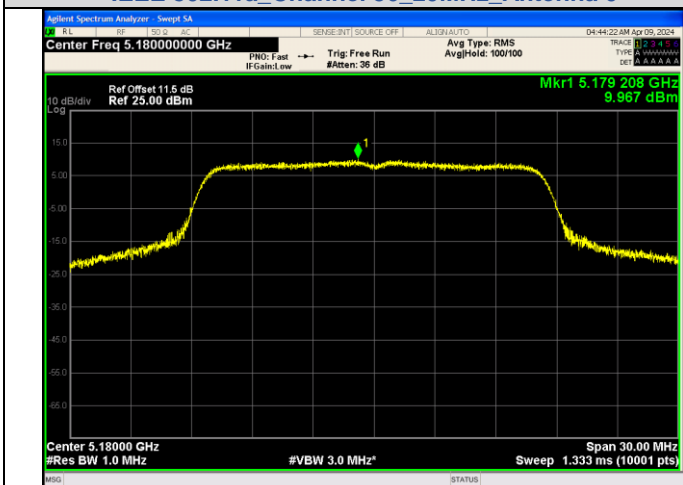
Test Graphs



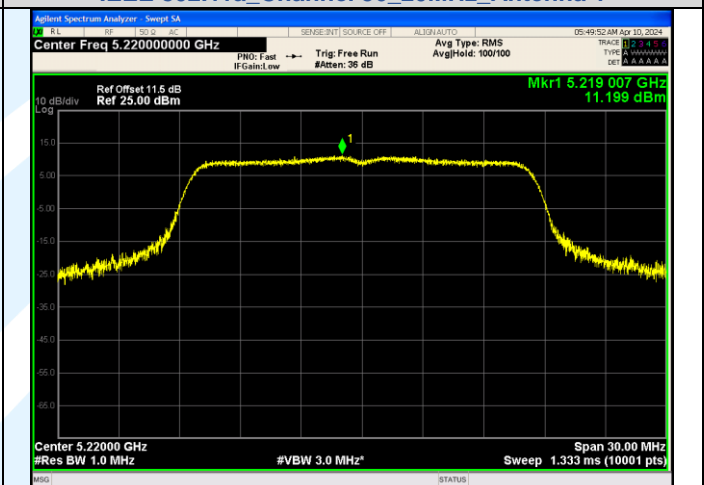
IEEE 802.11a_Channel 36_20MHz_Antenna 0



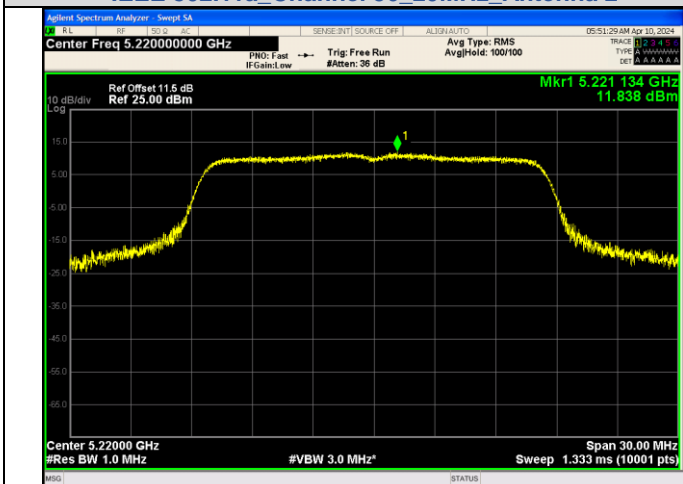
IEEE 802.11a_Channel 36_20MHz_Antenna 1



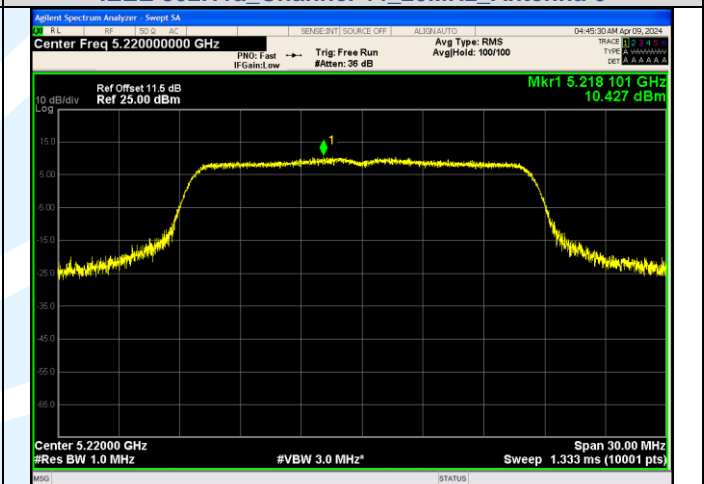
IEEE 802.11a_Channel 36_20MHz_Antenna 2



IEEE 802.11a_Channel 44_20MHz_Antenna 0



IEEE 802.11a_Channel 44_20MHz_Antenna 1



IEEE 802.11a_Channel 44_20MHz_Antenna 2

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

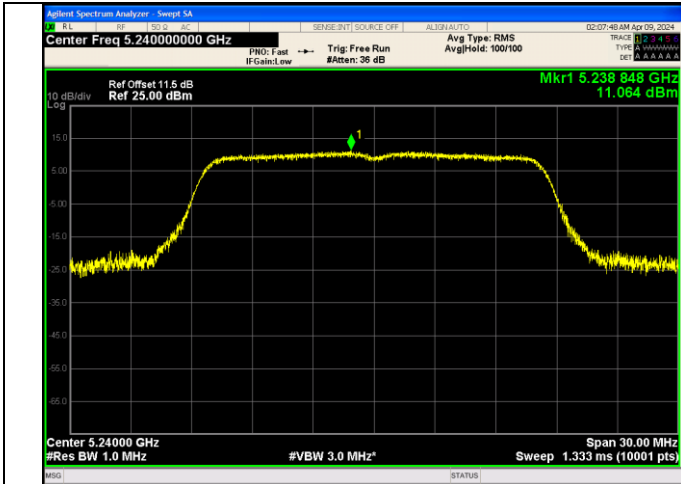
Tel: +86-755-28230888

Fax: +86-755-28230886

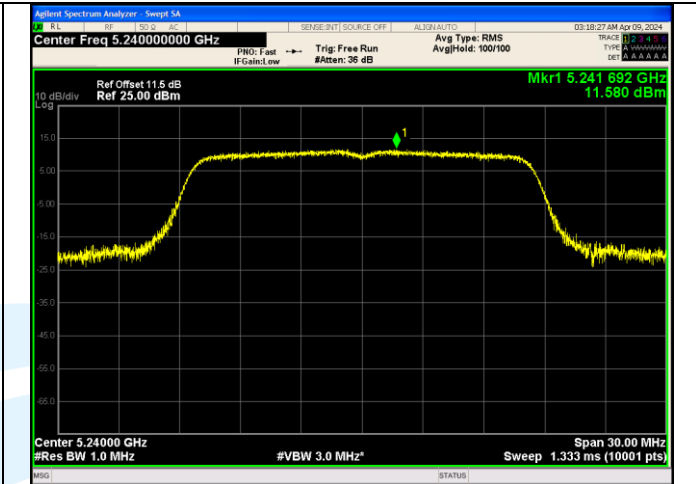
E-mail: info@uttlab.com

<http://www.uttlab.com>

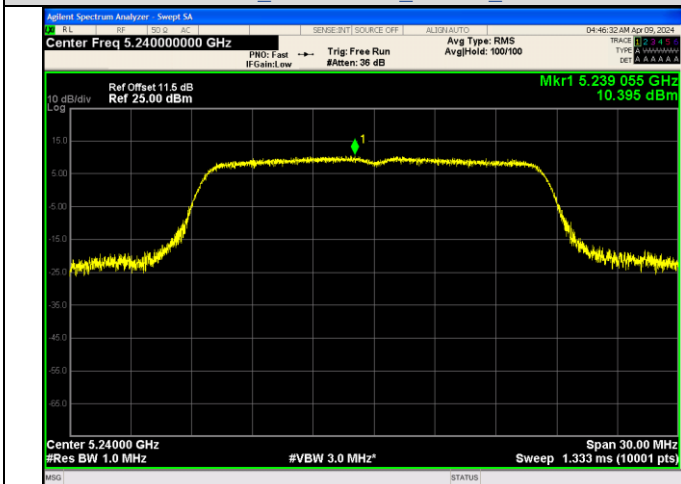
UTTR-RF-EN300328-V1.2



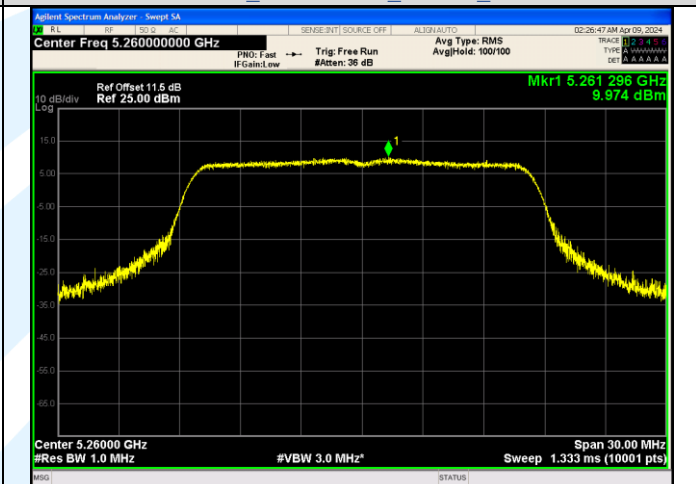
IEEE 802.11a_Channel 48_20MHz_Antenna 0



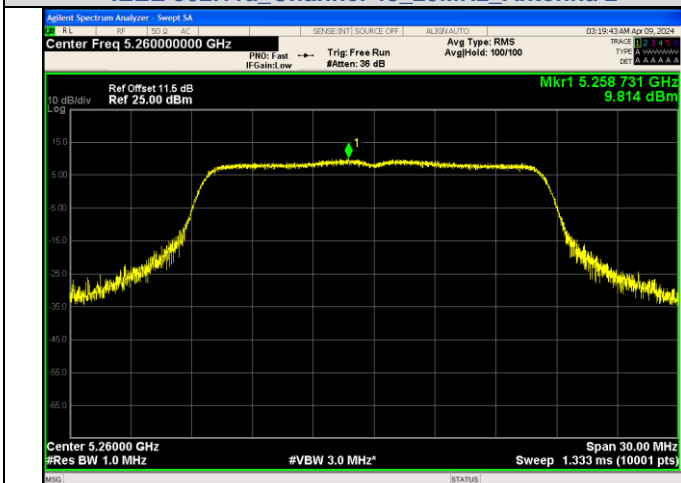
IEEE 802.11a_Channel 48_20MHz_Antenna 1



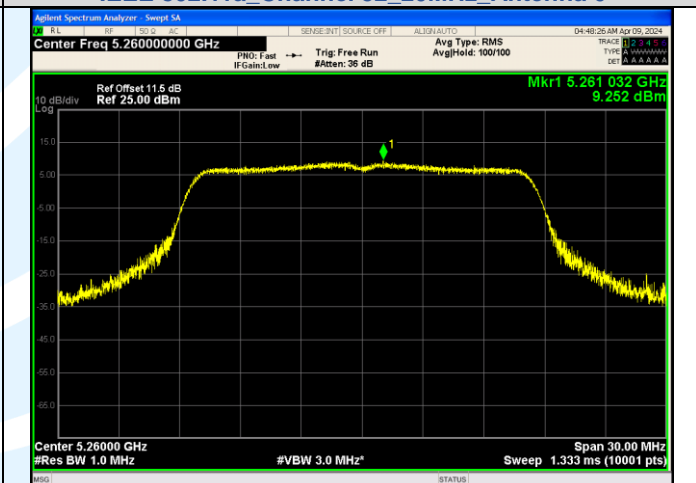
IEEE 802.11a_Channel 48_20MHz_Antenna 2



IEEE 802.11a_Channel 52_20MHz_Antenna 0



IEEE 802.11a_Channel 52_20MHz_Antenna 1



IEEE 802.11a_Channel 52_20MHz_Antenna 2

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

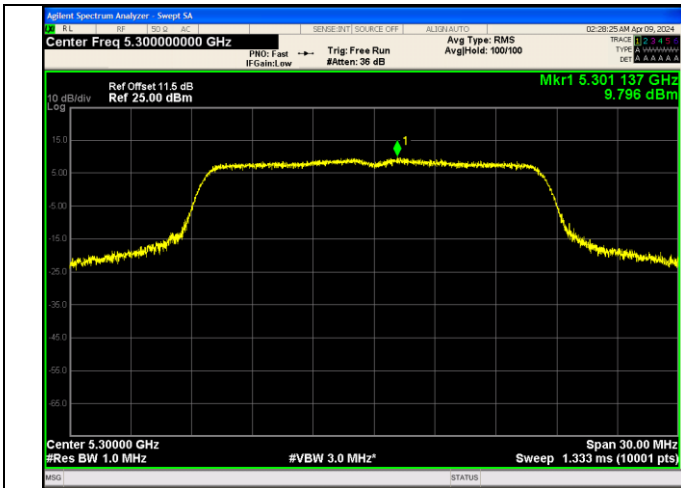
Tel: +86-755-28230888

Fax: +86-755-28230886

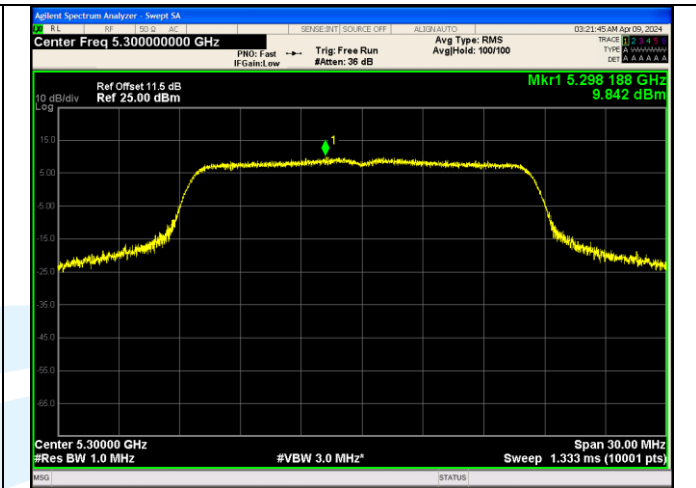
E-mail: info@uttlab.com

<http://www.uttlab.com>

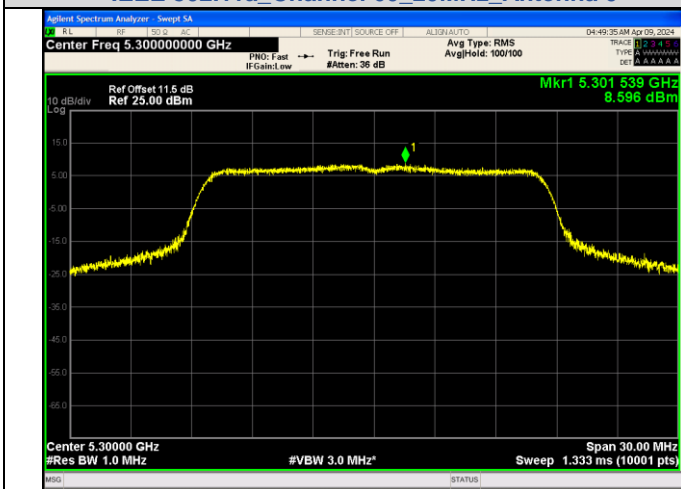
UTTR-RF-EN300328-V1.2



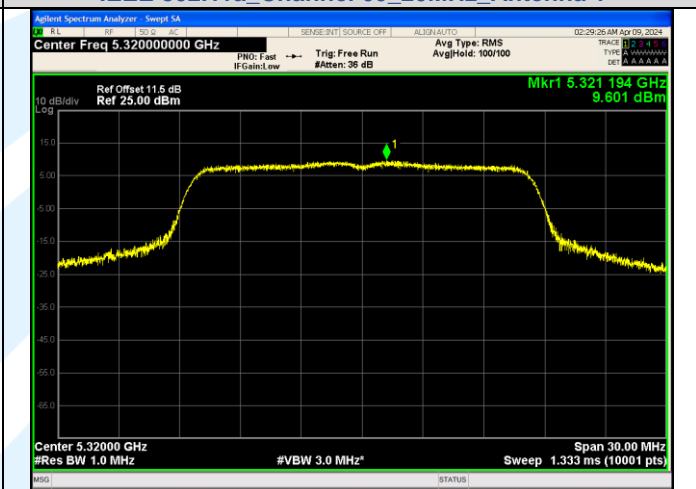
IEEE 802.11a_Channel 60_20MHz_Antenna 0



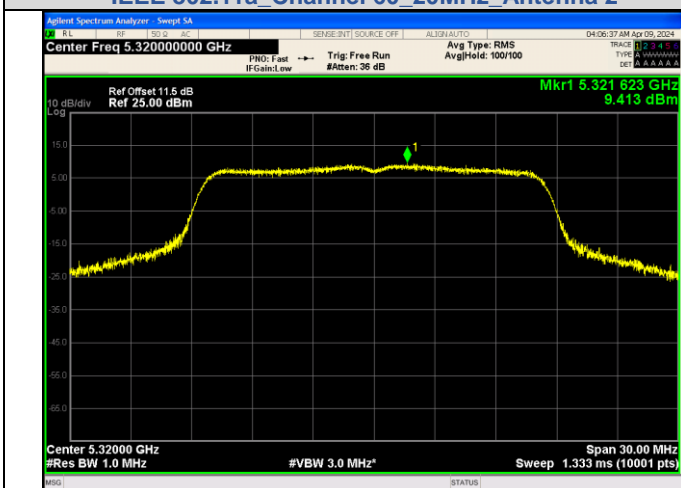
IEEE 802.11a_Channel 60_20MHz_Antenna 1



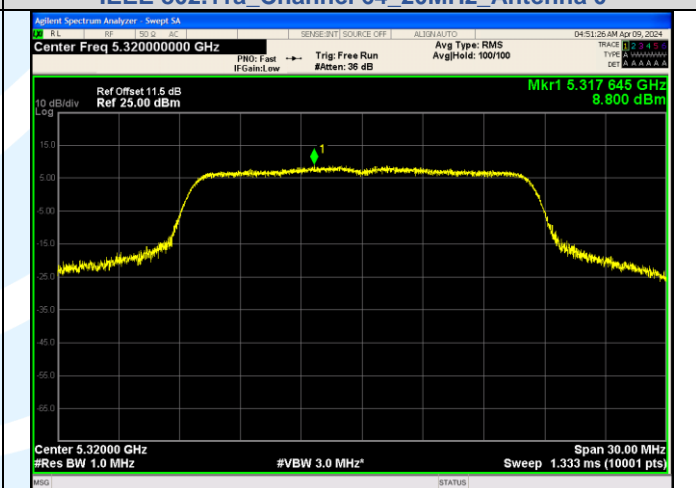
IEEE 802.11a_Channel 60_20MHz_Antenna 2



IEEE 802.11a_Channel 64_20MHz_Antenna 0



IEEE 802.11a_Channel 64_20MHz_Antenna 1



IEEE 802.11a_Channel 64_20MHz_Antenna 2

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

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2