

APPENDIXE:CONDUCTED SPURIOUSEMISSION

Test Result(WCDMA)

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	30~1000MHz	932.59	-44.9	-13	PASS
Band2	9262	1000~20000MHz	3703.23	-25.38	-13	PASS
Band2	9400	30~1000MHz	896.21	-44.49	-13	PASS
Band2	9400	1000~20000MHz	3761.18	-24.17	-13	PASS
Band2	9538	30~1000MHz	404.42	-45.15	-13	PASS
Band2	9538	1000~20000MHz	3816.75	-20.24	-13	PASS
Band4	1312	30~1000MHz	881.66	-43.06	-13	PASS
Band4	1312	1000~20000MHz	16212.35	-31.43	-13	PASS
Band4	1413	30~1000MHz	823.46	-44.51	-13	PASS
Band4	1413	1000~20000MHz	18878.53	-32.08	-13	PASS
Band4	1513	30~1000MHz	889.91	-43.55	-13	PASS
Band4	1513	1000~20000MHz	16522.05	-30.58	-13	PASS
Band5	4132	30~1000MHz	422.85	-49.62	-13	PASS
Band5	4132	1000~10000MHz	6212.35	-36.67	-13	PASS
Band5	4182	30~1000MHz	435.46	-49.58	-13	PASS
Band5	4182	1000~10000MHz	9240.4	-36.02	-13	PASS
Band5	4233	30~1000MHz	979.63	-48.59	-13	PASS
Band5	4233	1000~10000MHz	6231.7	-36.22	-13	PASS

Test Result(HSDPA)

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	30~1000MHz	905.43	-44.66	-13	PASS
Band2	9262	1	1000~20000MHz	3706.55	-26.91	-13	PASS
Band2	9400	1	30~1000MHz	822.01	-45.16	-13	PASS
Band2	9400	1	1000~20000MHz	3762.13	-25.46	-13	PASS
Band2	9538	1	30~1000MHz	826.86	-45.2	-13	PASS
Band2	9538	1	1000~20000MHz	3816.75	-22.47	-13	PASS
Band4	1312	1	30~1000MHz	936.47	-44.41	-13	PASS
Band4	1312	1	1000~20000MHz	18951.2	-31.95	-13	PASS
Band4	1413	1	30~1000MHz	437.4	-44.16	-13	PASS
Band4	1413	1	1000~20000MHz	16525.38	-31.57	-13	PASS
Band4	1513	1	30~1000MHz	924.83	-43.79	-13	PASS
Band4	1513	1	1000~20000MHz	19532.13	-31.69	-13	PASS
Band5	4132	1	30~1000MHz	965.08	-49.72	-13	PASS
Band5	4132	1	1000~10000MHz	6242.05	-36.32	-13	PASS
Band5	4182	1	30~1000MHz	980.12	-50	-13	PASS
Band5	4182	1	1000~10000MHz	4794.85	-36.66	-13	PASS
Band5	4233	1	30~1000MHz	976.24	-49.86	-13	PASS
Band5	4233	1	1000~10000MHz	4931.65	-35.95	-13	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

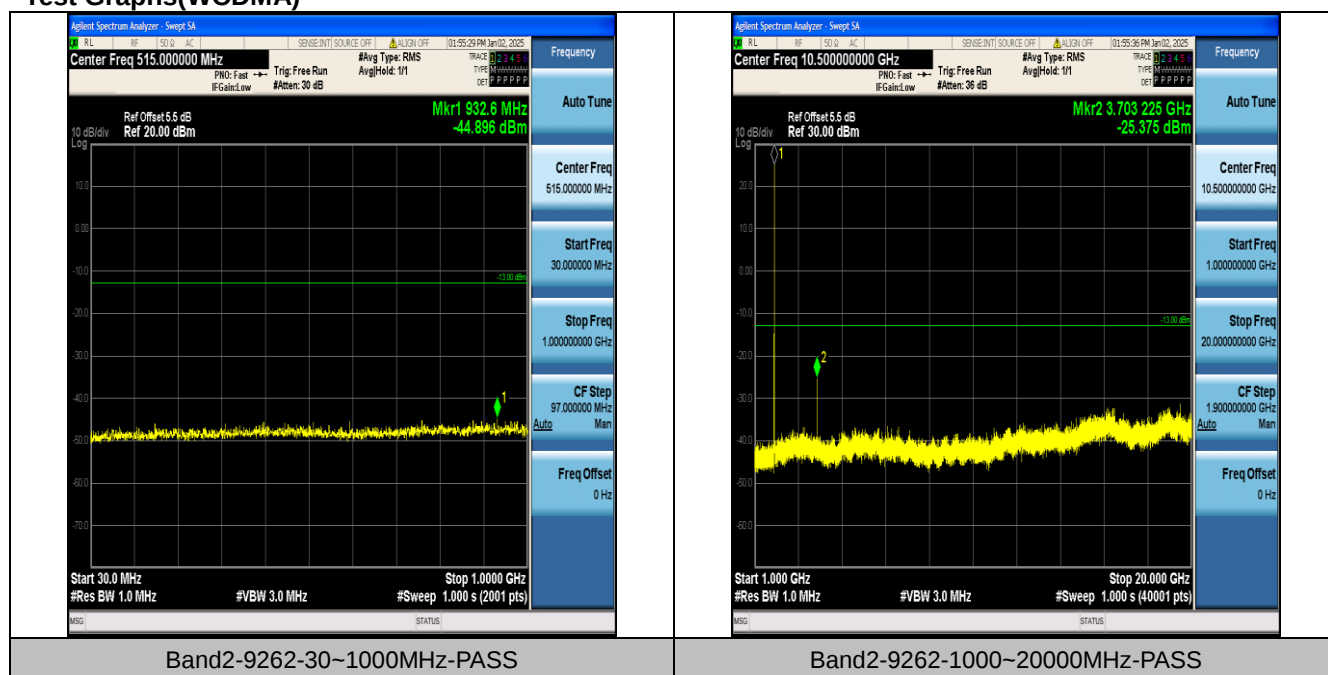
Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China
Tel: +86-755-28230888 Fax: +86-755-28230886 E-mail: info@uttlab.com

[Http://www.uttlab.com](http://www.uttlab.com)

Test Result(HSUPA)

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	1	30~1000MHz	898.15	-44.87	-13	PASS
Band2	9262	1	1000~20000MHz	3706.55	-24.92	-13	PASS
Band2	9400	1	30~1000MHz	340.89	-45.33	-13	PASS
Band2	9400	1	1000~20000MHz	3757.85	-25.21	-13	PASS
Band2	9538	1	30~1000MHz	822.01	-45.22	-13	PASS
Band2	9538	1	1000~20000MHz	3815.8	-22.6	-13	PASS
Band4	1312	1	30~1000MHz	942.77	-44.07	-13	PASS
Band4	1312	1	1000~20000MHz	16426.58	-31.65	-13	PASS
Band4	1413	1	30~1000MHz	857.41	-44.14	-13	PASS
Band4	1413	1	1000~20000MHz	19010.58	-31.54	-13	PASS
Band4	1513	1	30~1000MHz	501.42	-45.03	-13	PASS
Band4	1513	1	1000~20000MHz	16350.1	-31.65	-13	PASS
Band5	4132	1	30~1000MHz	497.54	-50.18	-13	PASS
Band5	4132	1	1000~10000MHz	6332.95	-36.78	-13	PASS
Band5	4182	1	30~1000MHz	671.17	-50.14	-13	PASS
Band5	4182	1	1000~10000MHz	5343.4	-36.42	-13	PASS
Band5	4233	1	30~1000MHz	494.15	-50.58	-13	PASS
Band5	4233	1	1000~10000MHz	2736.55	-36.64	-13	PASS

Test Graphs(WCDMA)



Shenzhen UnionTrust Quality and Technology Co., Ltd.

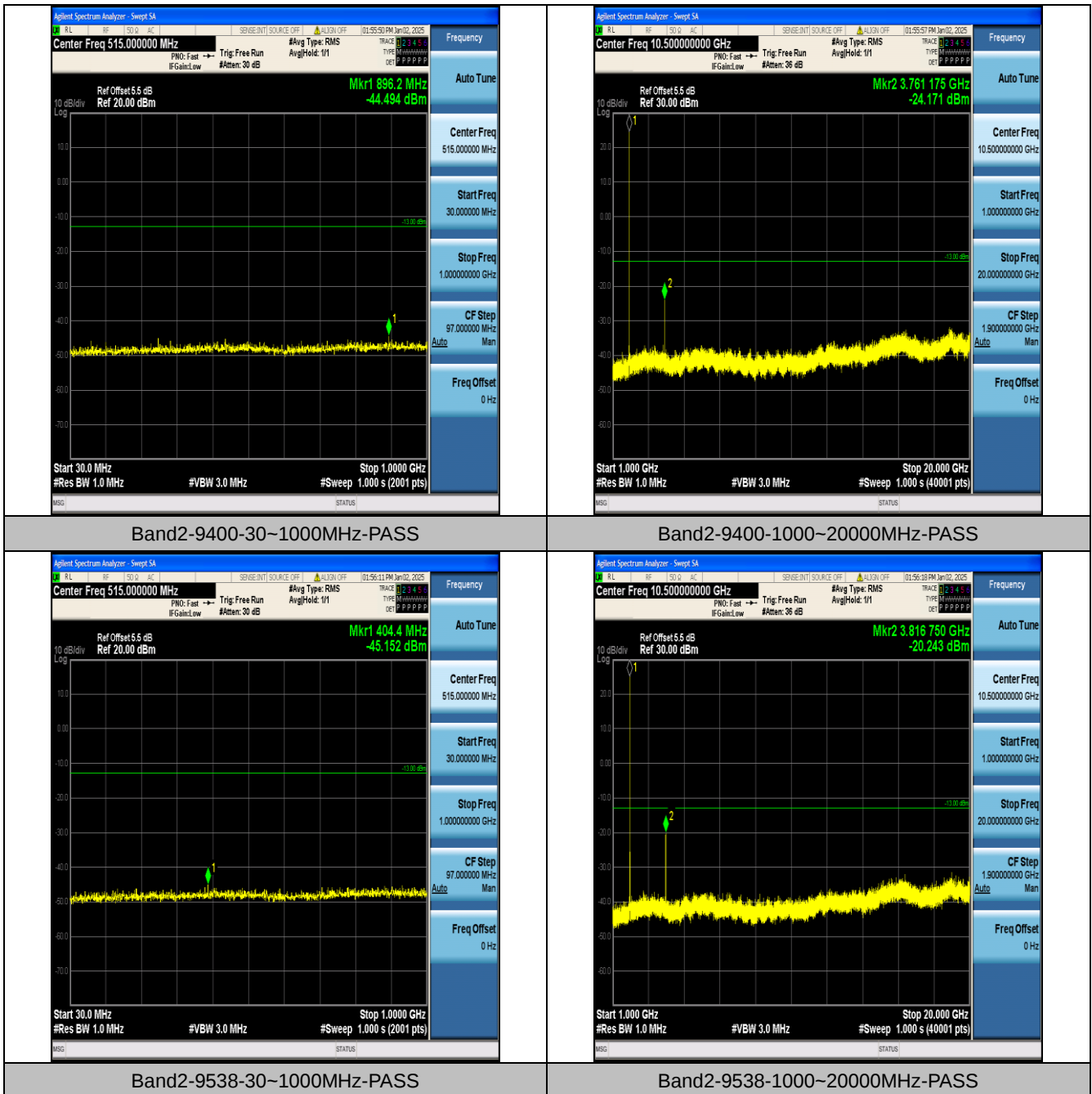
Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

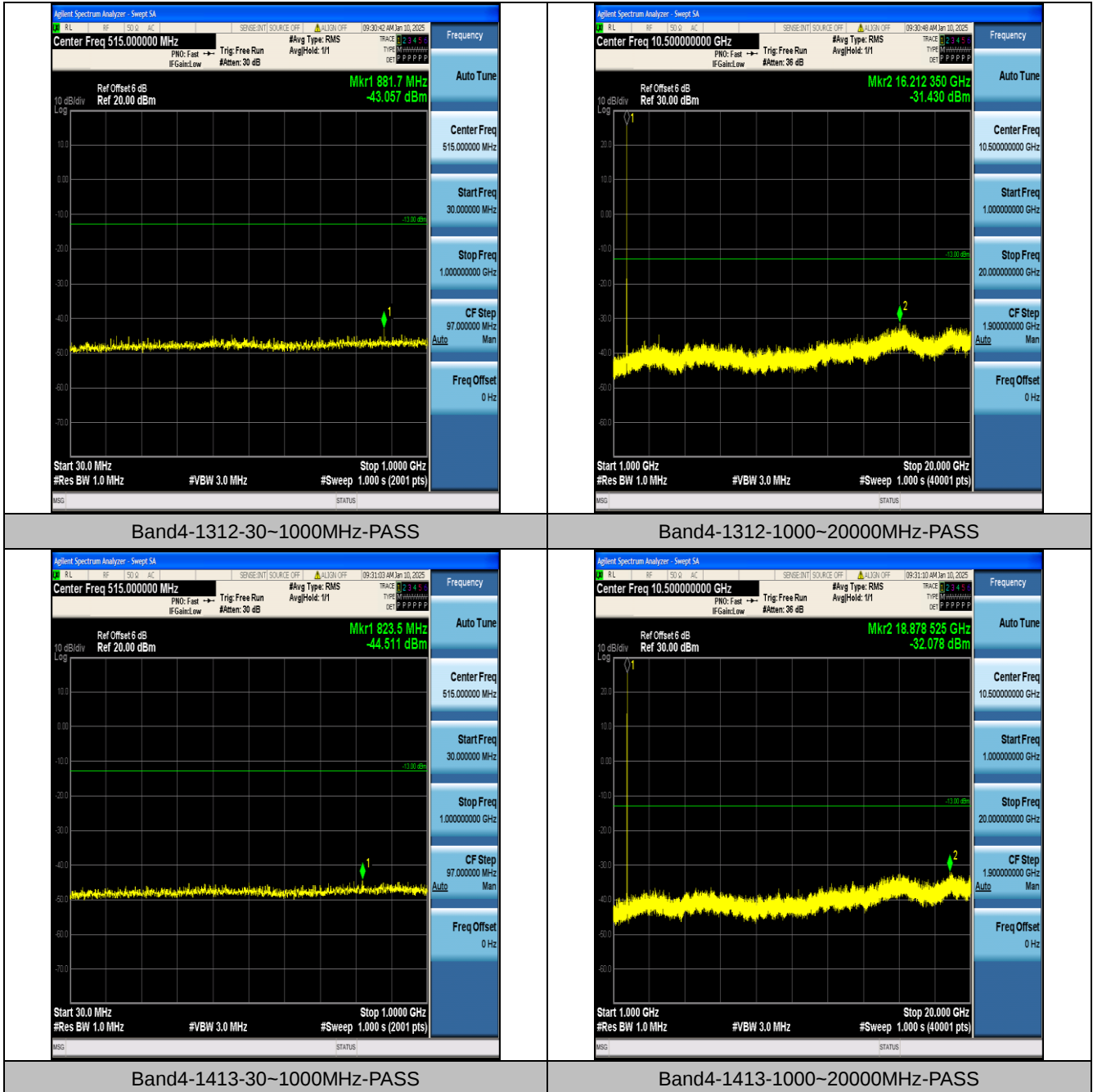
Tel: +86-755-28230888

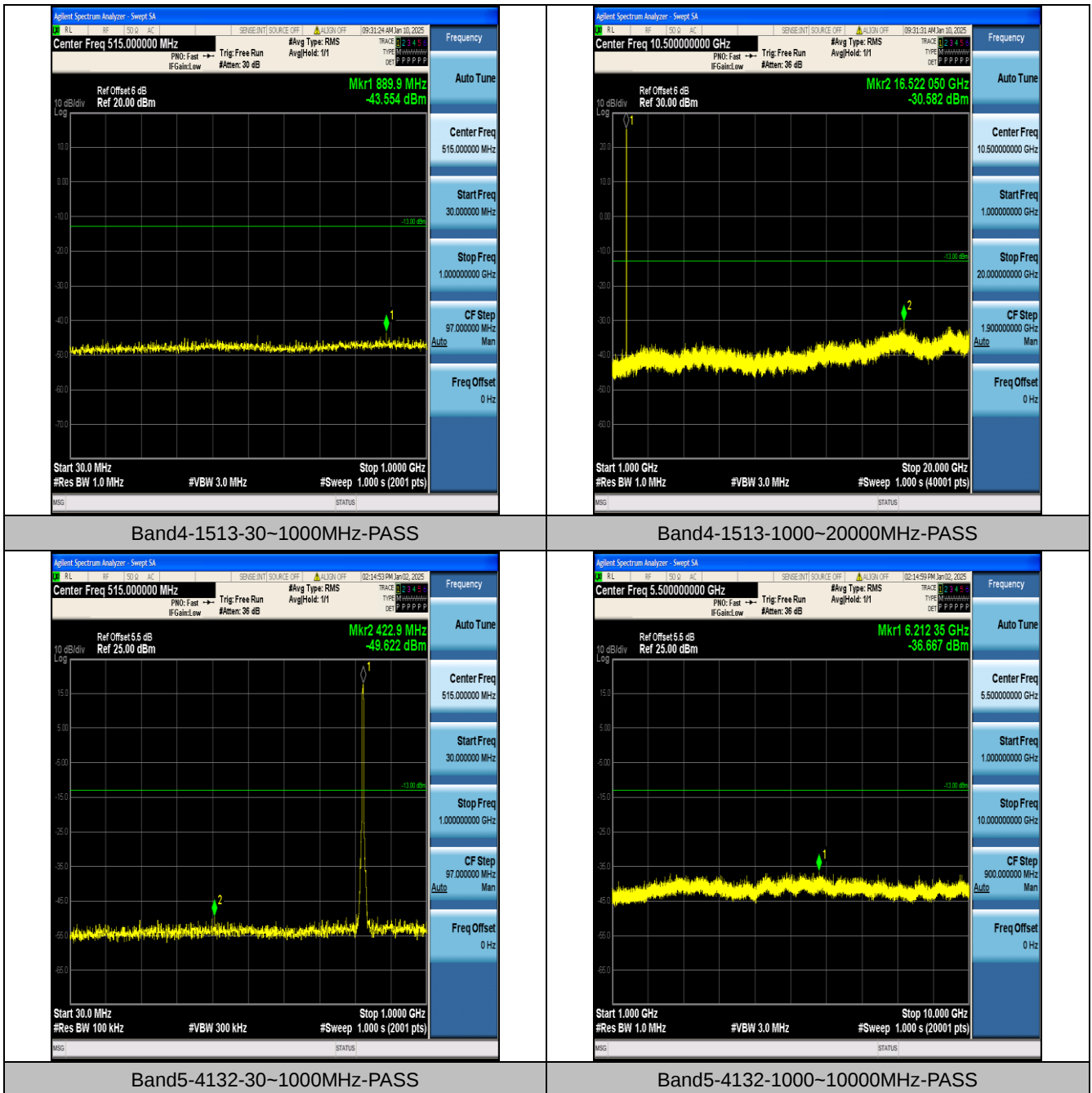
Fax: +86-755-28230886

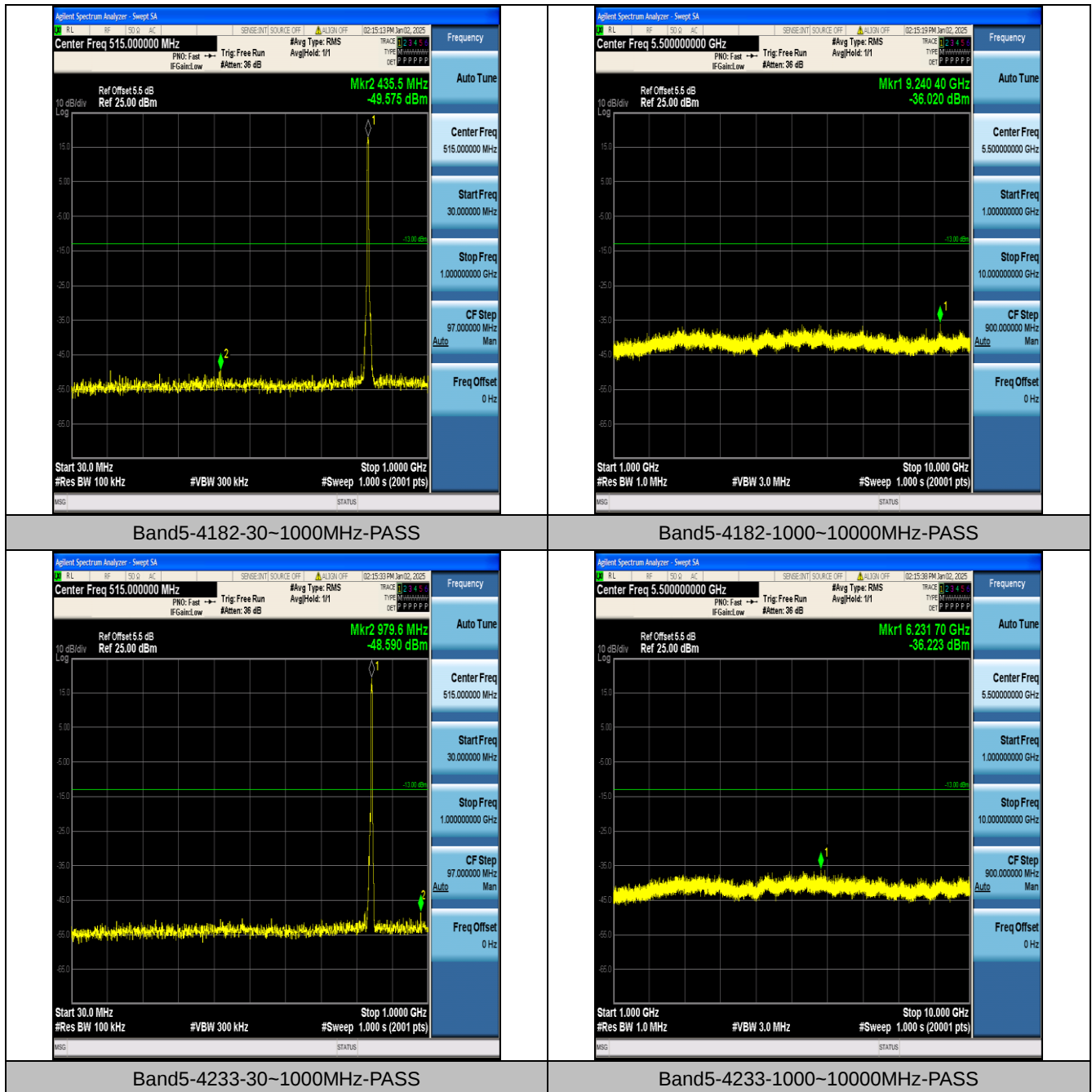
E-mail: info@uttlab.com

[Http://www.uttlab.com](http://www.uttlab.com)

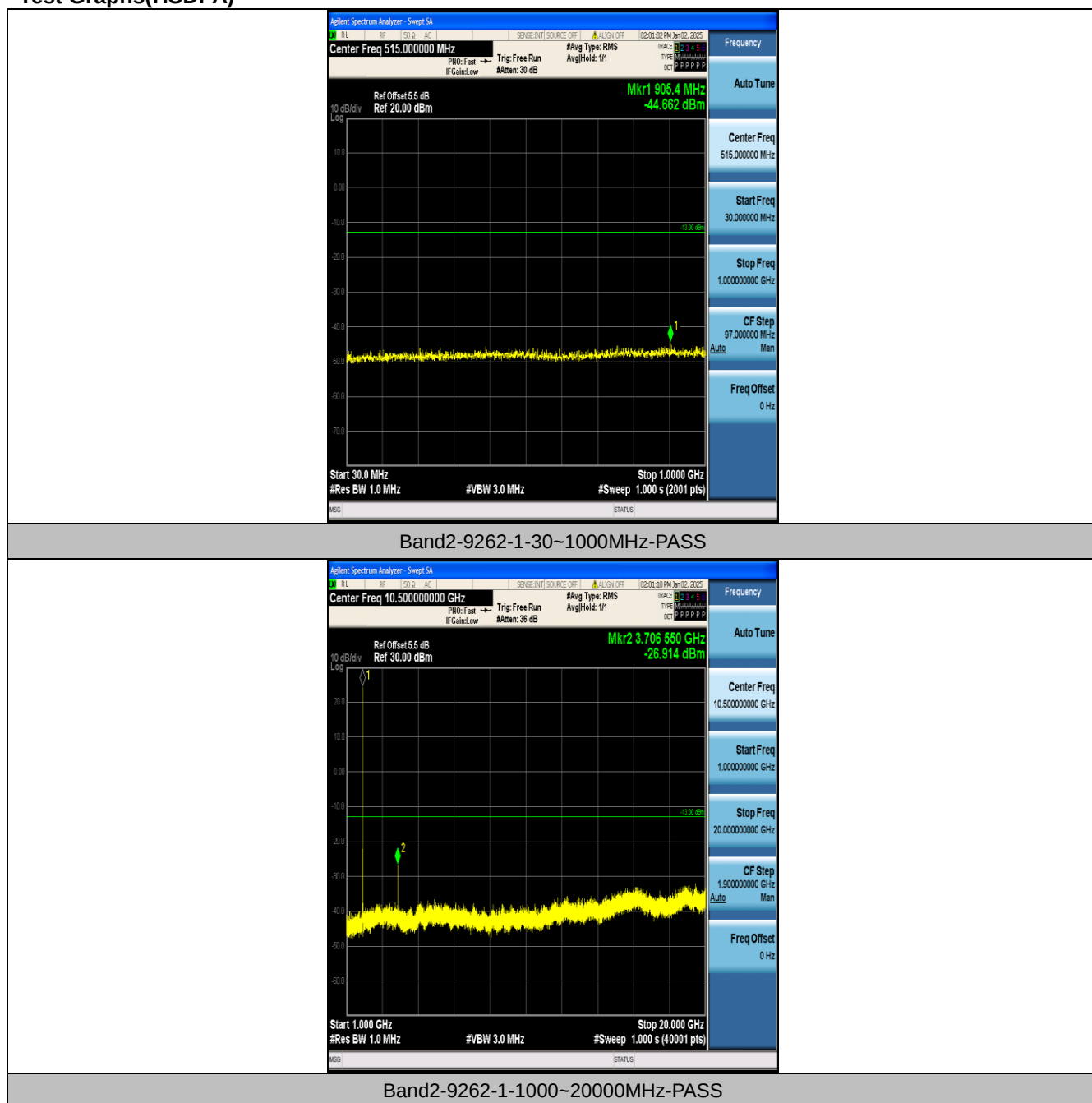


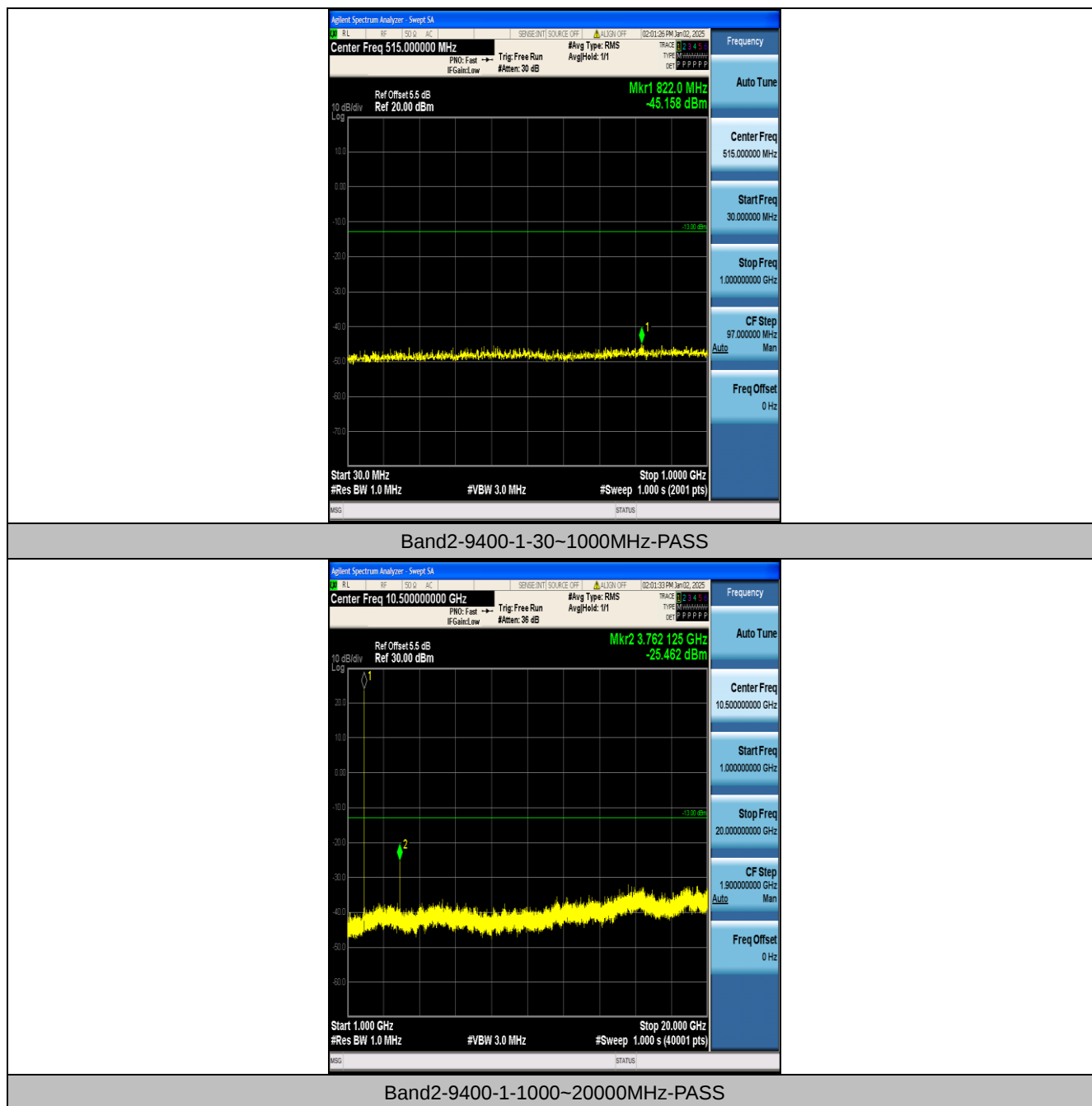






Test Graphs(HSDPA)





Shenzhen UnionTrust Quality and Technology Co., Ltd.

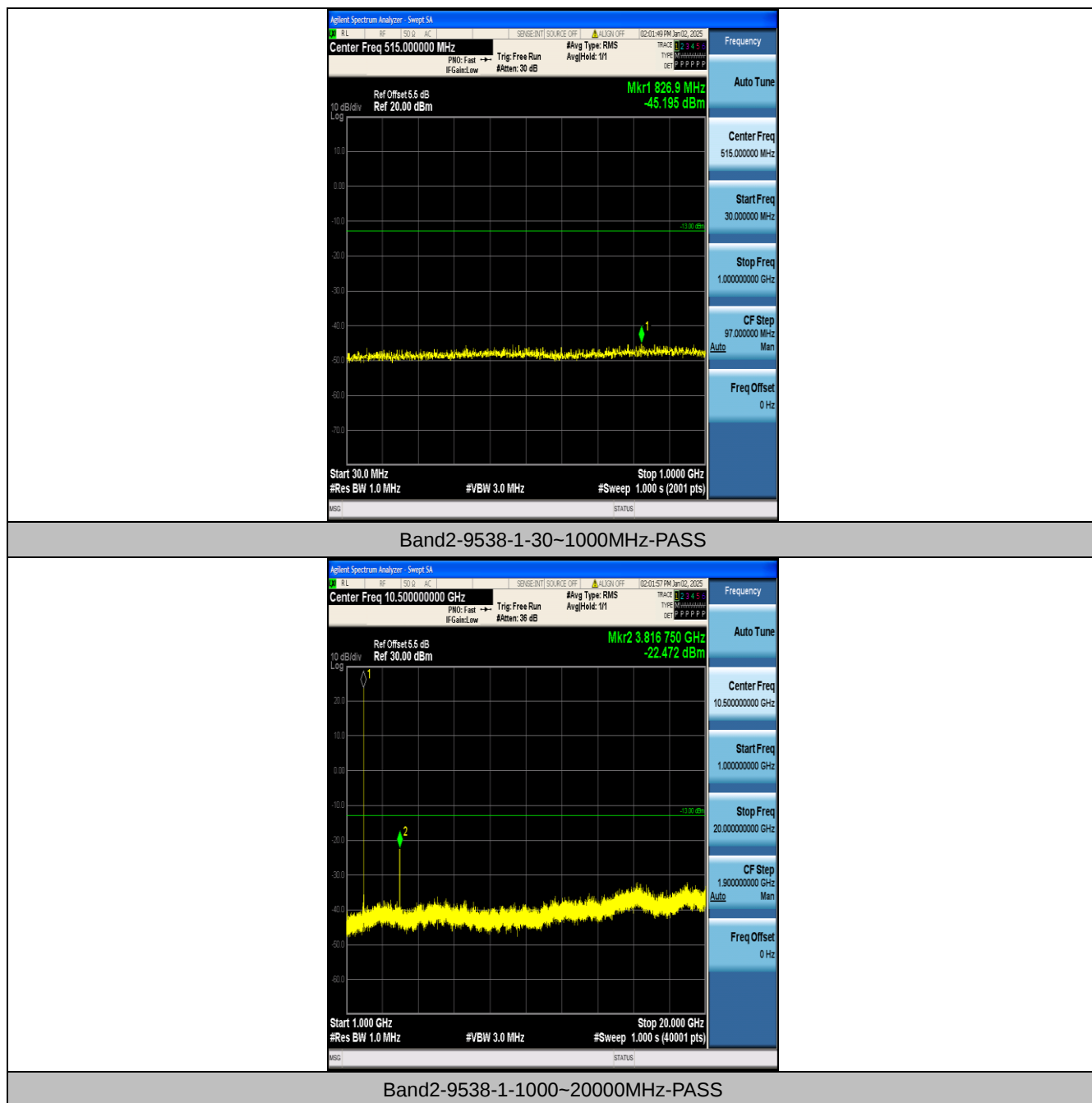
Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

[Http://www.uttlab.com](http://www.uttlab.com)



Shenzhen UnionTrust Quality and Technology Co., Ltd.

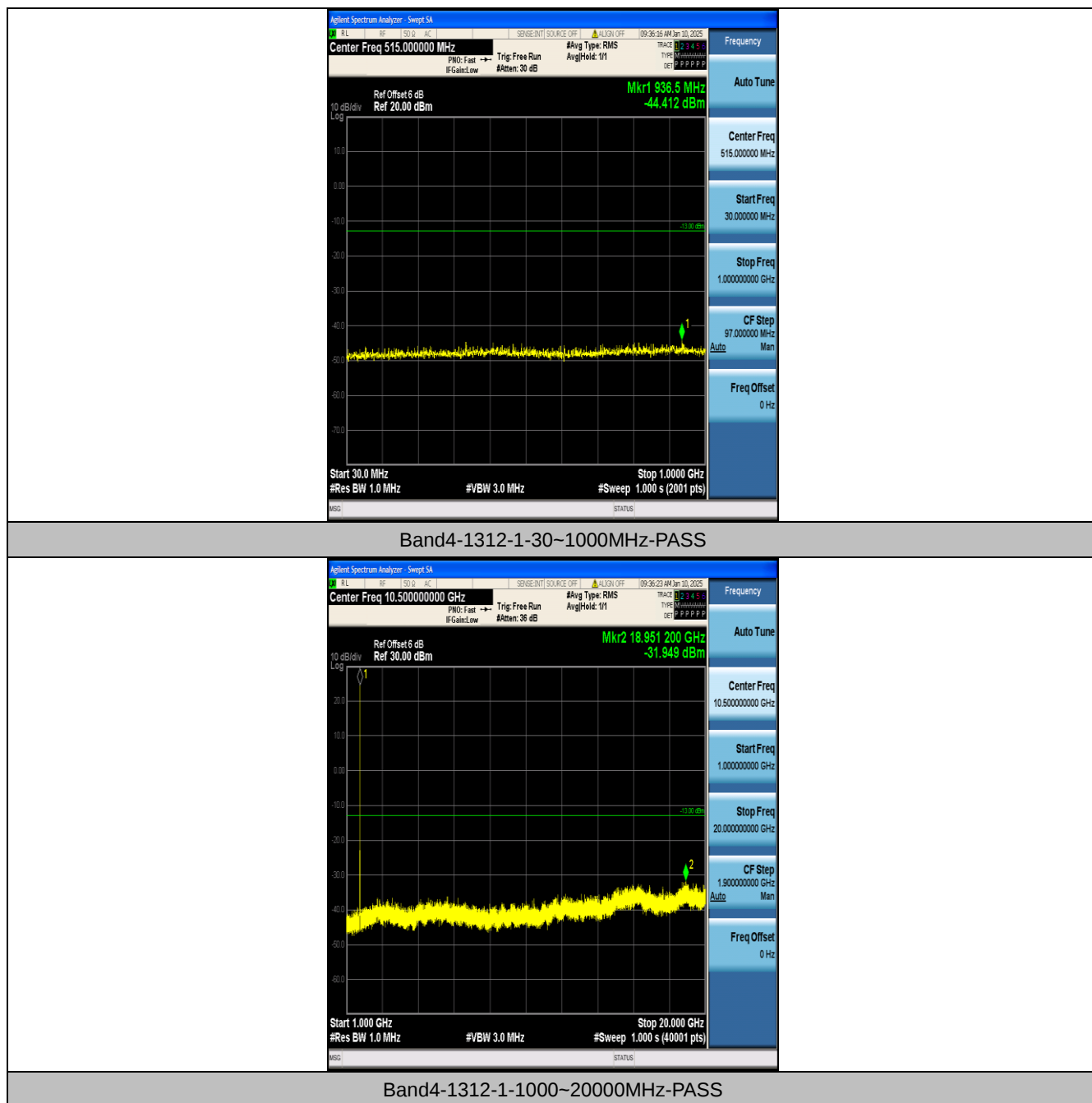
Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

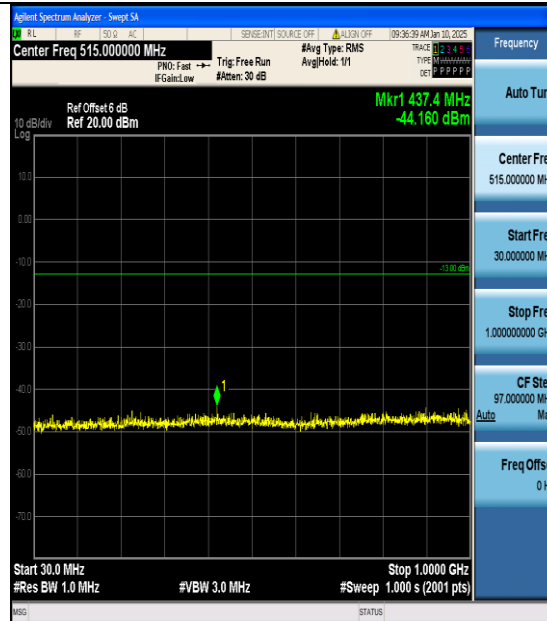
Tel: +86-755-28230888

Fax: +86-755-28230886

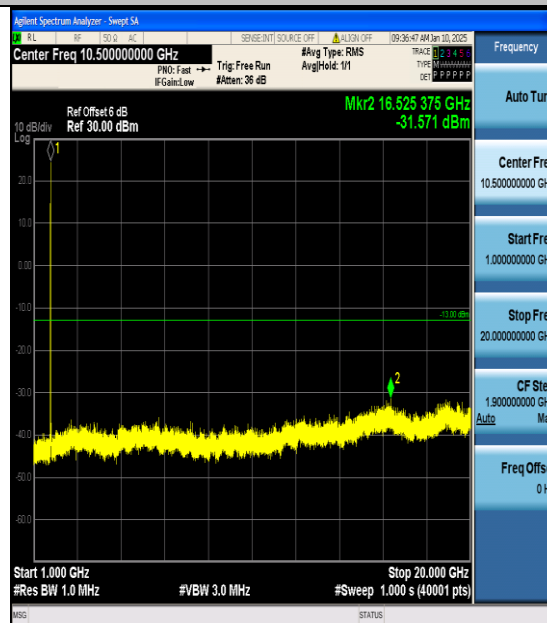
E-mail: info@uttlab.com

[Http://www.uttlab.com](http://www.uttlab.com)

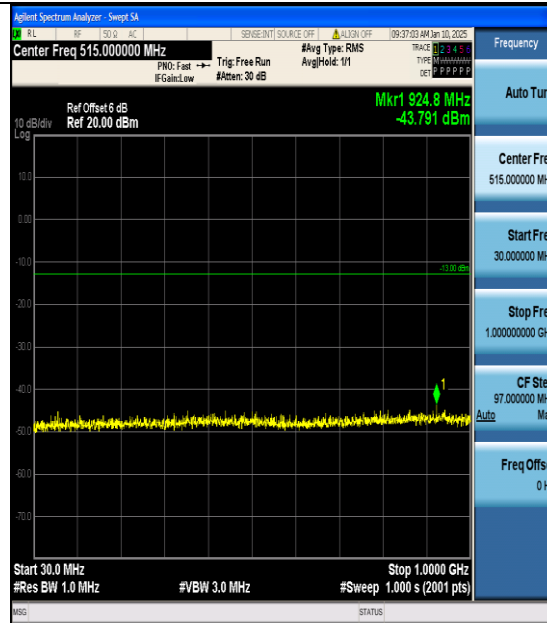




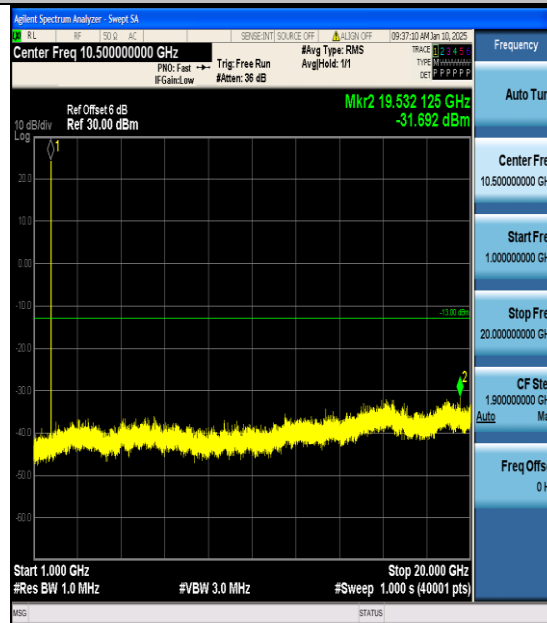
Band4-1413-1-30~1000MHz-PASS



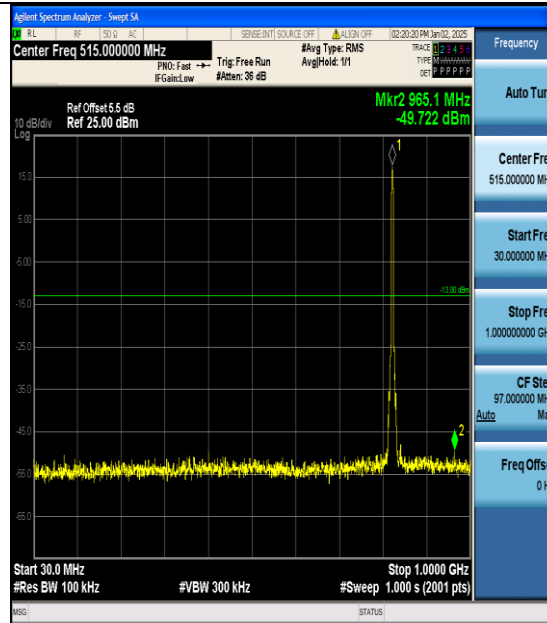
Band4-1413-1-1000~20000MHz-PASS



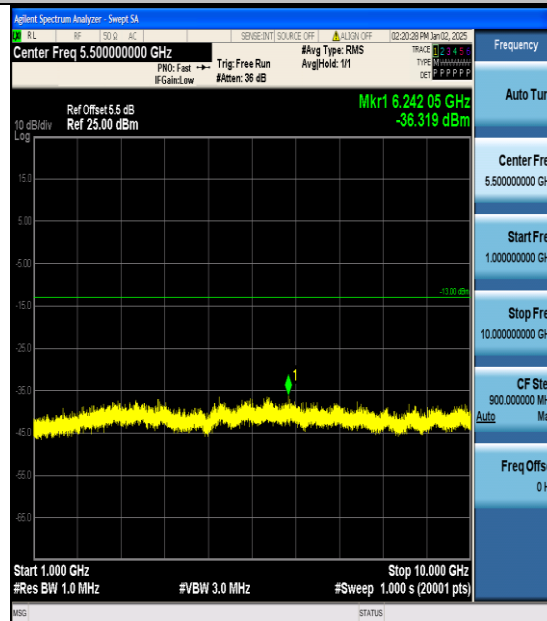
Band4-1513-1-30~1000MHz-PASS



Band4-1513-1-1000~20000MHz-PASS



Band5-4132-1-30~1000MHz-PASS

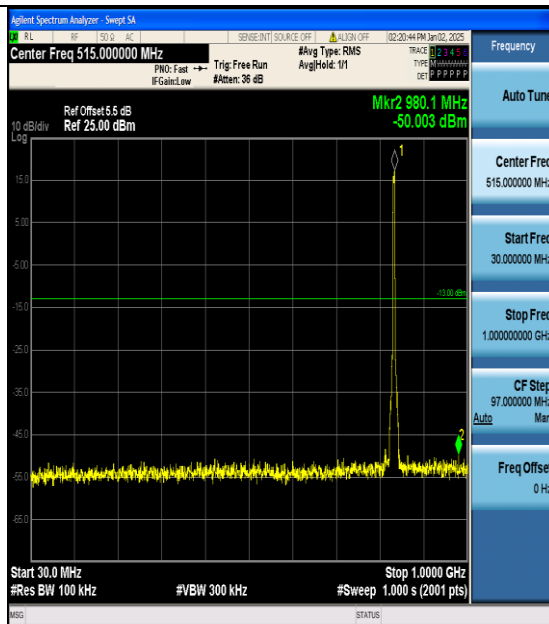


Band5-4132-1-1000~10000MHz-PASS

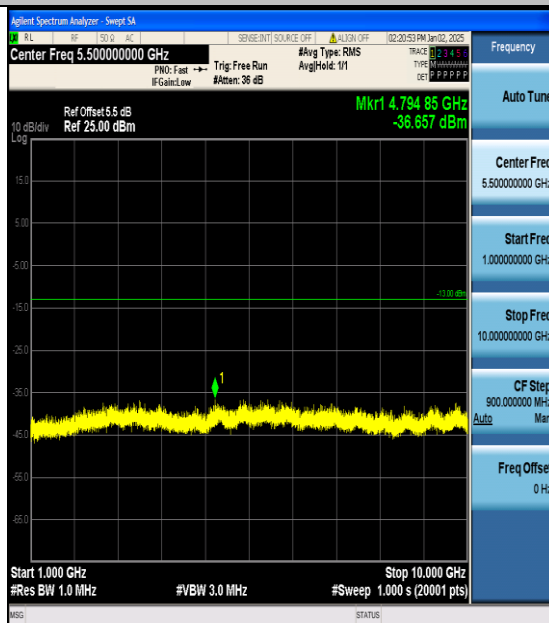
Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China
Tel: +86-755-28230888 Fax: +86-755-28230886 E-mail: info@uttlab.com

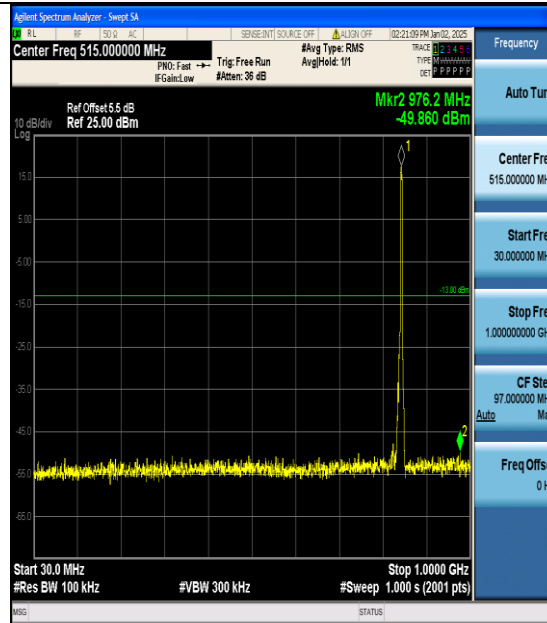
[Http://www.uttlab.com](http://www.uttlab.com)



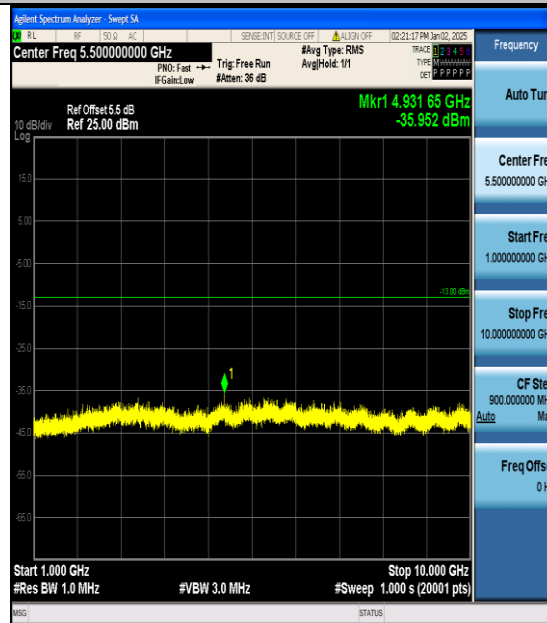
Band5-4182-1-30~1000MHz-PASS



Band5-4182-1-1000~10000MHz-PASS



Band5-4233-1-30~1000MHz-PASS



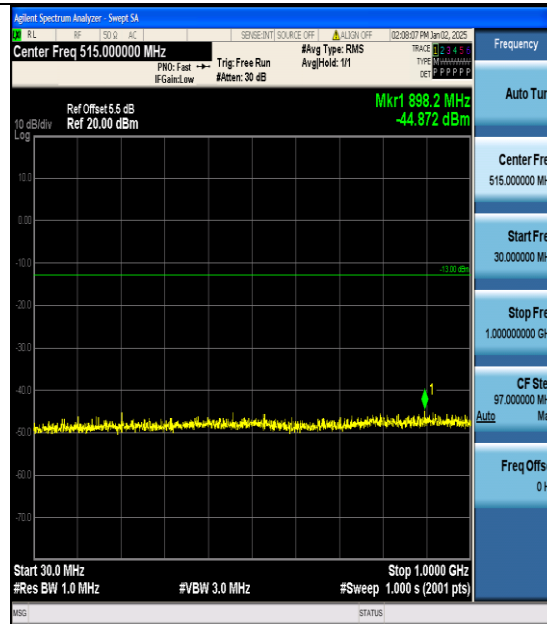
Band5-4233-1-1000~10000MHz-PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

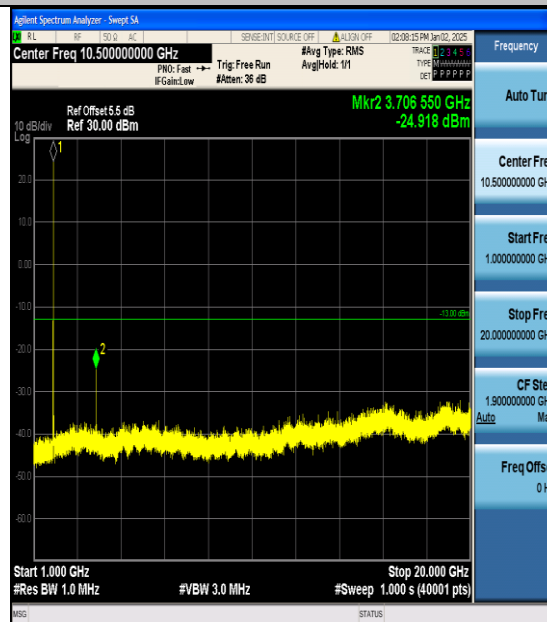
Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China
Tel: +86-755-28230888 Fax: +86-755-28230886 E-mail: info@uttlab.com

[Http://www.uttlab.com](http://www.uttlab.com)

Test Graphs(HSUPA)



Band2-9262-1-30~1000MHz-PASS

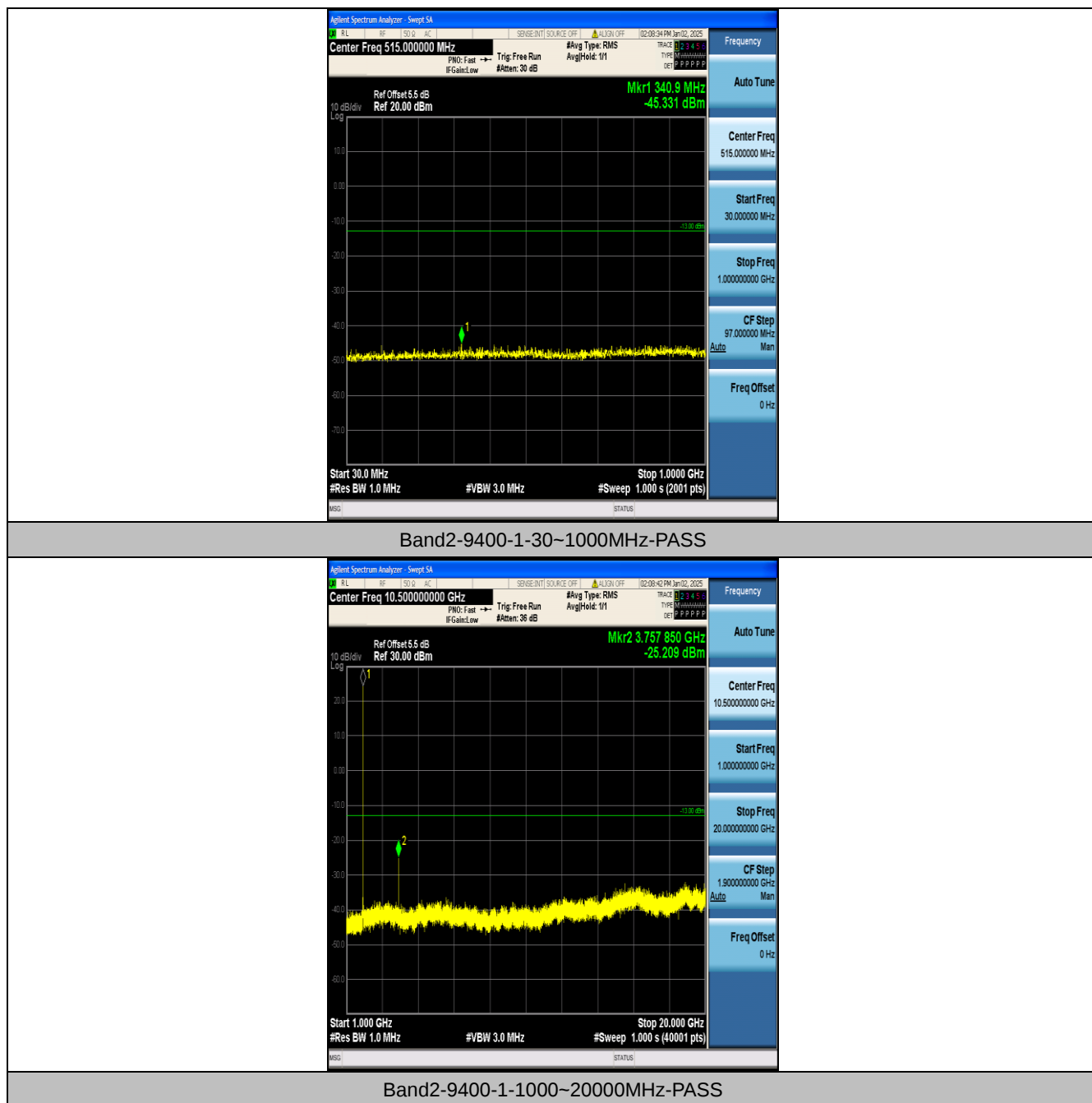


Band2-9262-1-1000~20000MHz-PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China
Tel: +86-755-28230888 Fax: +86-755-28230886 E-mail: info@uttlab.com

[Http://www.uttlab.com](http://www.uttlab.com)



Shenzhen UnionTrust Quality and Technology Co., Ltd.

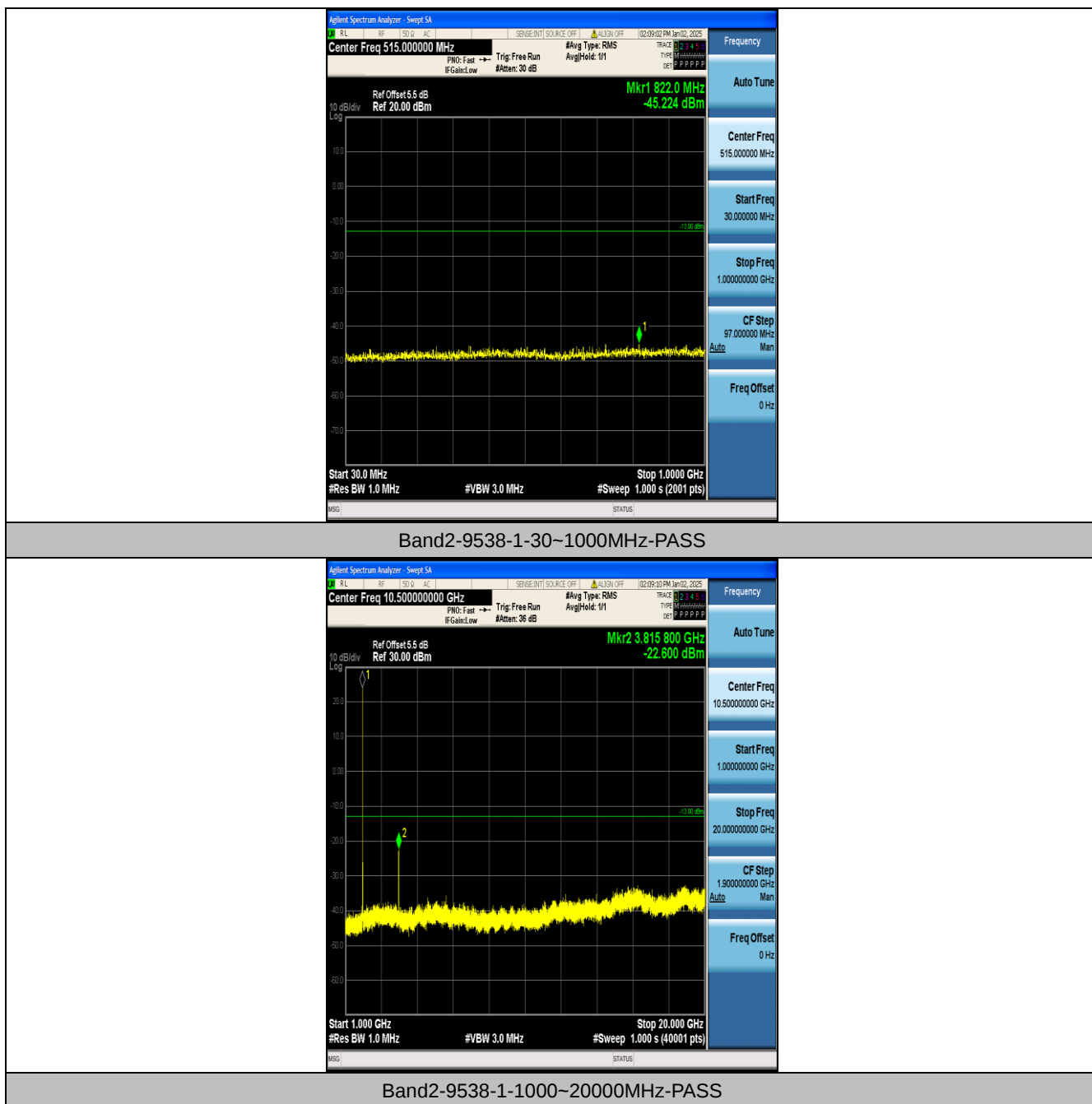
Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

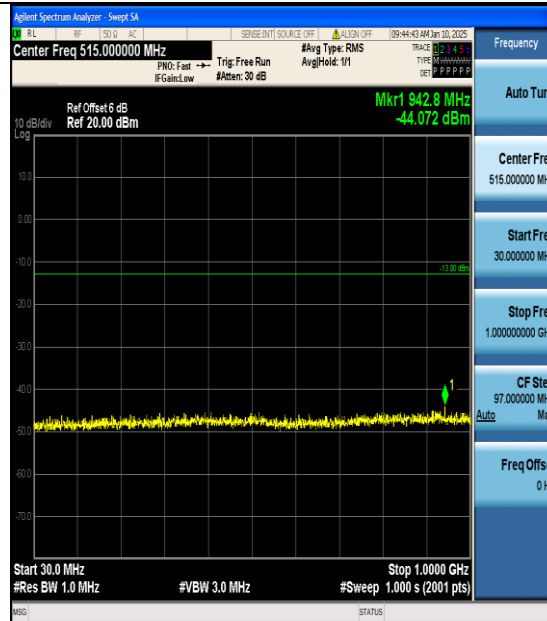
Tel: +86-755-28230888

Fax: +86-755-28230886

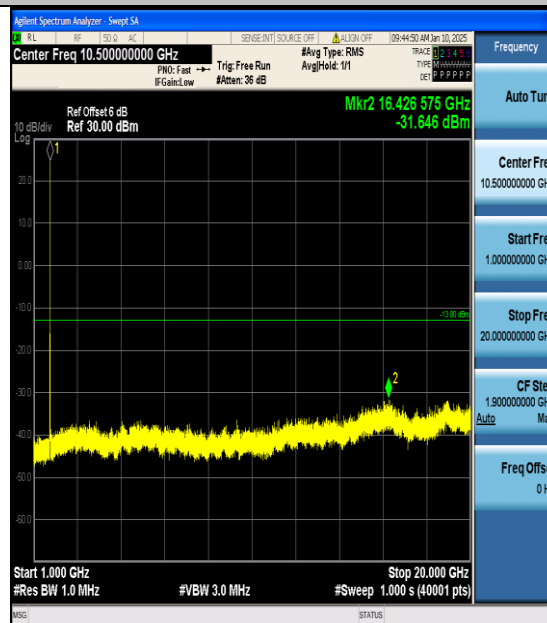
E-mail: info@uttlab.com

[Http://www.uttlab.com](http://www.uttlab.com)

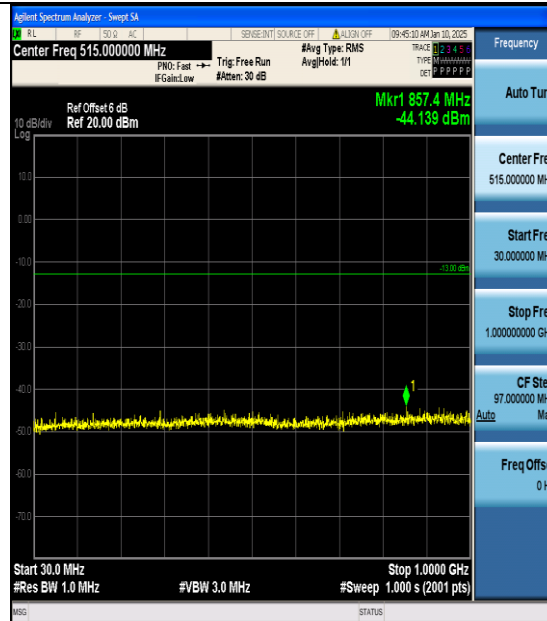




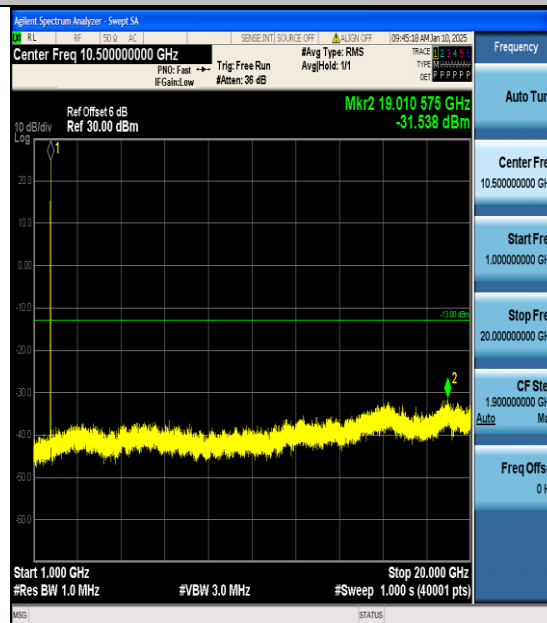
Band4-1312-1-30~1000MHz-PASS



Band4-1312-1-1000~20000MHz-PASS



Band4-1413-1-30~1000MHz-PASS

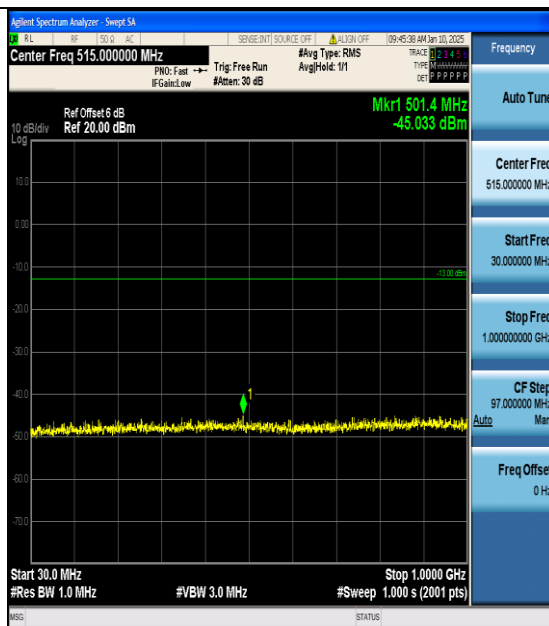


Band4-1413-1-1000~20000MHz-PASS

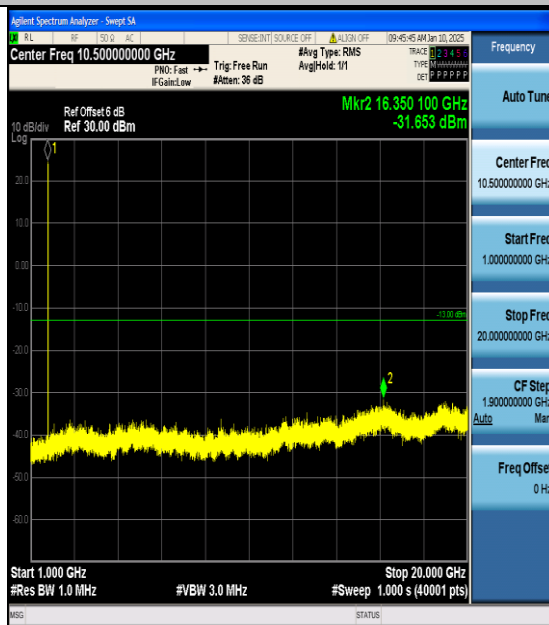
Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China
Tel: +86-755-28230888 Fax: +86-755-28230886 E-mail: info@uttlab.com

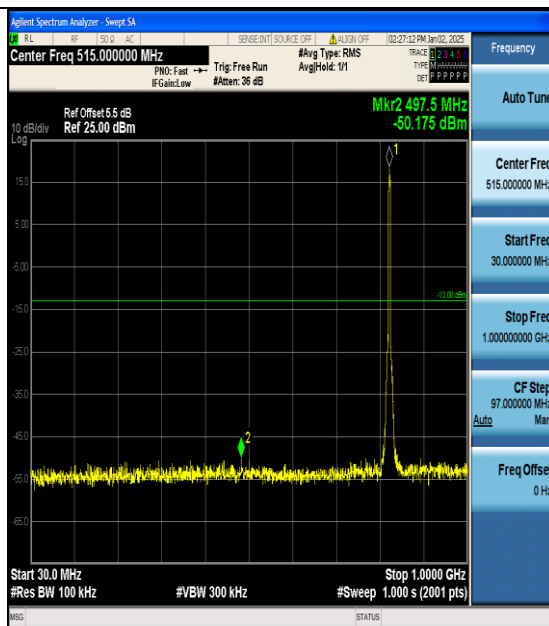
[Http://www.uttlab.com](http://www.uttlab.com)



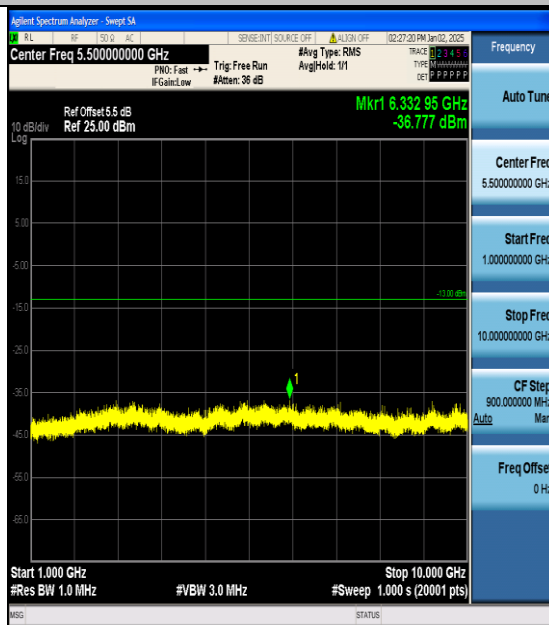
Band4-1513-1-30~1000MHz-PASS



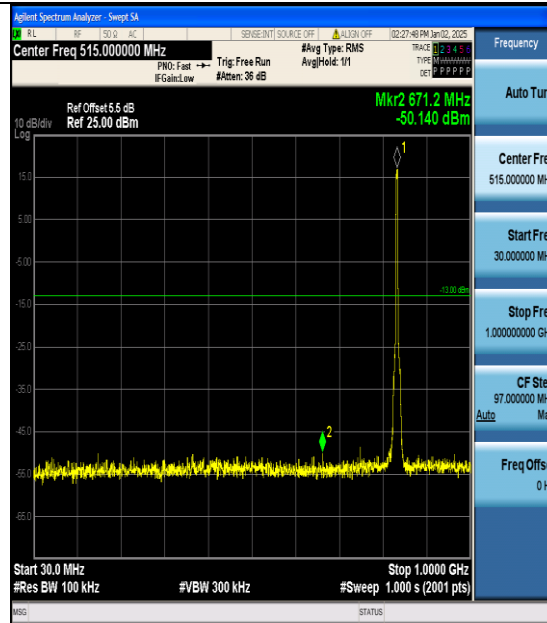
Band4-1513-1-1000~20000MHz-PASS



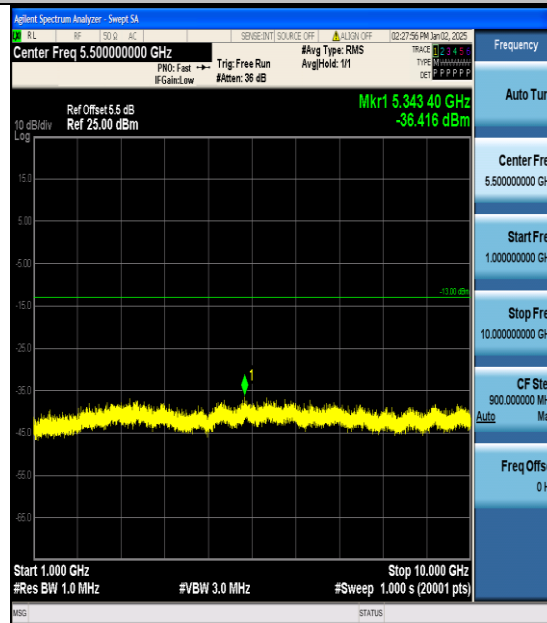
Band5-4132-1-30~1000MHz-PASS



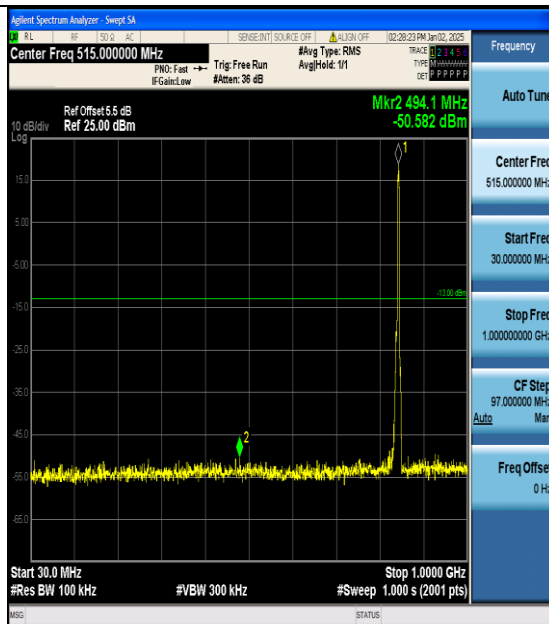
Band5-4132-1-1000~10000MHz-PASS



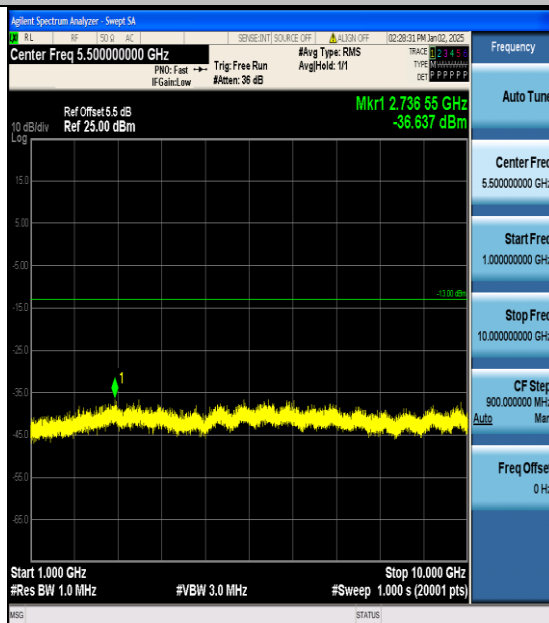
Band5-4182-1-30~1000MHz-PASS



Band5-4182-1-1000~10000MHz-PASS



Band5-4233-1-30~1000MHz-PASS



Band5-4233-1-1000~10000MHz-PASS

APPENDIXF:FREQUENCY STABILITY

Test Result (WCDMA)

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	VN	NT	-0.74	-0.000394	±2.5	PASS
Band2	9400	VL	NT	-0.60	-0.000319	±2.5	PASS
Band2	9400	VH	NT	-0.63	-0.000335	±2.5	PASS
Band4	1413	VN	NT	0.43	0.000248	±2.5	PASS
Band4	1413	VL	NT	0.35	0.000202	±2.5	PASS
Band4	1413	VH	NT	0.40	0.000231	±2.5	PASS
Band5	4182	VN	NT	1.04	0.001243	±2.5	PASS
Band5	4182	VL	NT	-0.52	-0.000622	±2.5	PASS
Band5	4182	VH	NT	0.23	0.000275	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	NV	-30	-0.50	-0.000266	±2.5	PASS
Band2	9400	NV	-20	-0.68	-0.000362	±2.5	PASS
Band2	9400	NV	-10	-0.70	-0.000372	±2.5	PASS
Band2	9400	NV	0	-0.41	-0.000218	±2.5	PASS
Band2	9400	NV	10	-0.46	-0.000245	±2.5	PASS
Band2	9400	NV	20	-0.63	-0.000335	±2.5	PASS
Band2	9400	NV	30	-0.67	-0.000356	±2.5	PASS
Band2	9400	NV	40	-0.46	-0.000245	±2.5	PASS
Band2	9400	NV	50	-0.46	-0.000245	±2.5	PASS
Band4	1413	NV	-30	0.46	0.000265	±2.5	PASS
Band4	1413	NV	-20	0.43	0.000248	±2.5	PASS
Band4	1413	NV	-10	0.54	0.000312	±2.5	PASS
Band4	1413	NV	0	0.46	0.000265	±2.5	PASS
Band4	1413	NV	10	0.60	0.000346	±2.5	PASS
Band4	1413	NV	20	0.77	0.000444	±2.5	PASS
Band4	1413	NV	30	0.44	0.000254	±2.5	PASS
Band4	1413	NV	40	0.51	0.000294	±2.5	PASS
Band4	1413	NV	50	0.39	0.000225	±2.5	PASS
Band5	4182	NV	-30	0.27	0.000323	±2.5	PASS
Band5	4182	NV	-20	0.27	0.000323	±2.5	PASS
Band5	4182	NV	-10	0.41	0.000490	±2.5	PASS
Band5	4182	NV	0	0.24	0.000287	±2.5	PASS
Band5	4182	NV	10	0.64	0.000765	±2.5	PASS
Band5	4182	NV	20	0.57	0.000681	±2.5	PASS
Band5	4182	NV	30	0.49	0.000586	±2.5	PASS
Band5	4182	NV	40	0.15	0.000179	±2.5	PASS
Band5	4182	NV	50	0.01	0.000012	±2.5	PASS

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China
Tel: +86-755-28230888 Fax: +86-755-28230886 E-mail: info@uttlab.com

[Http://www.uttlab.com](http://www.uttlab.com)