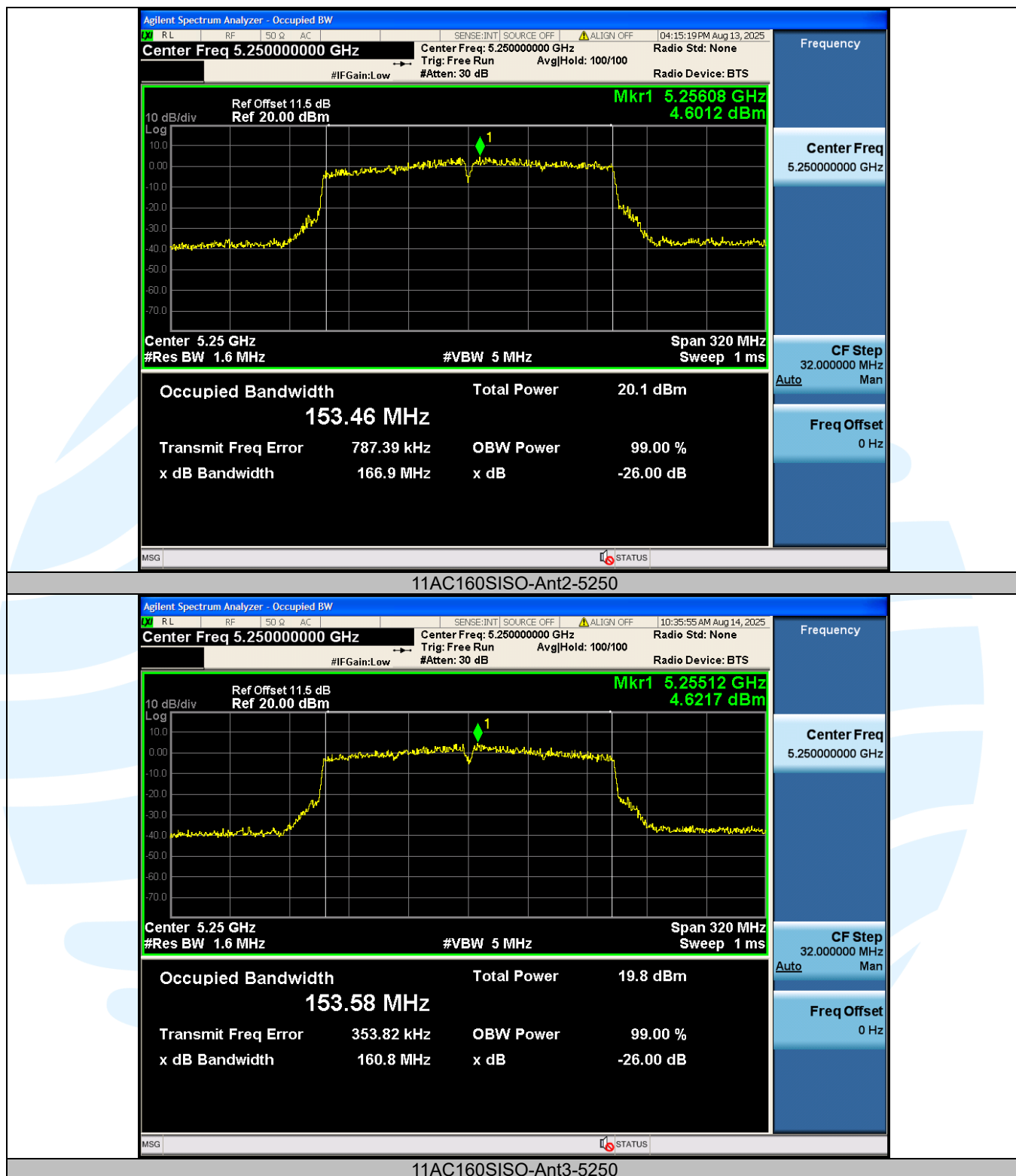
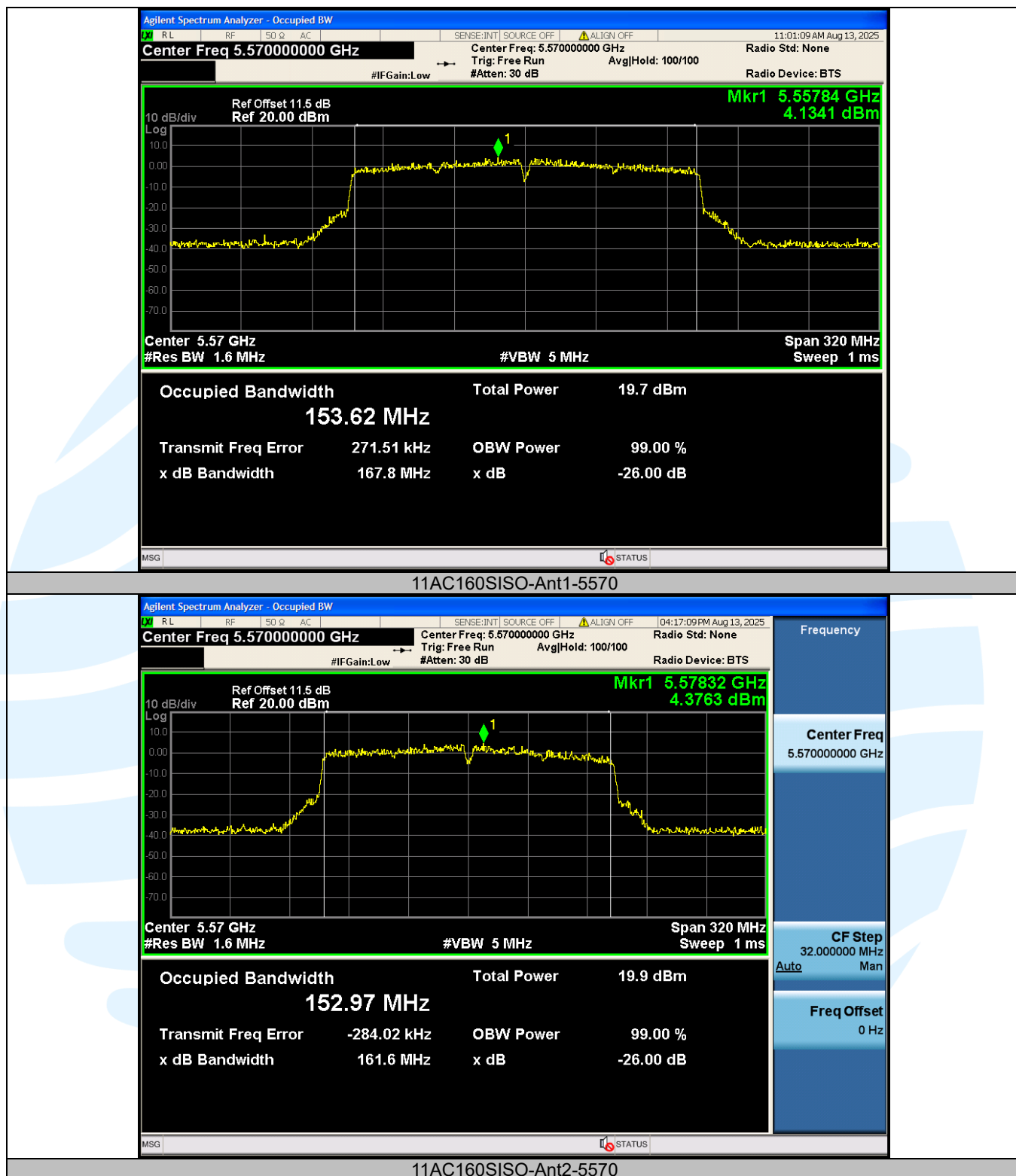
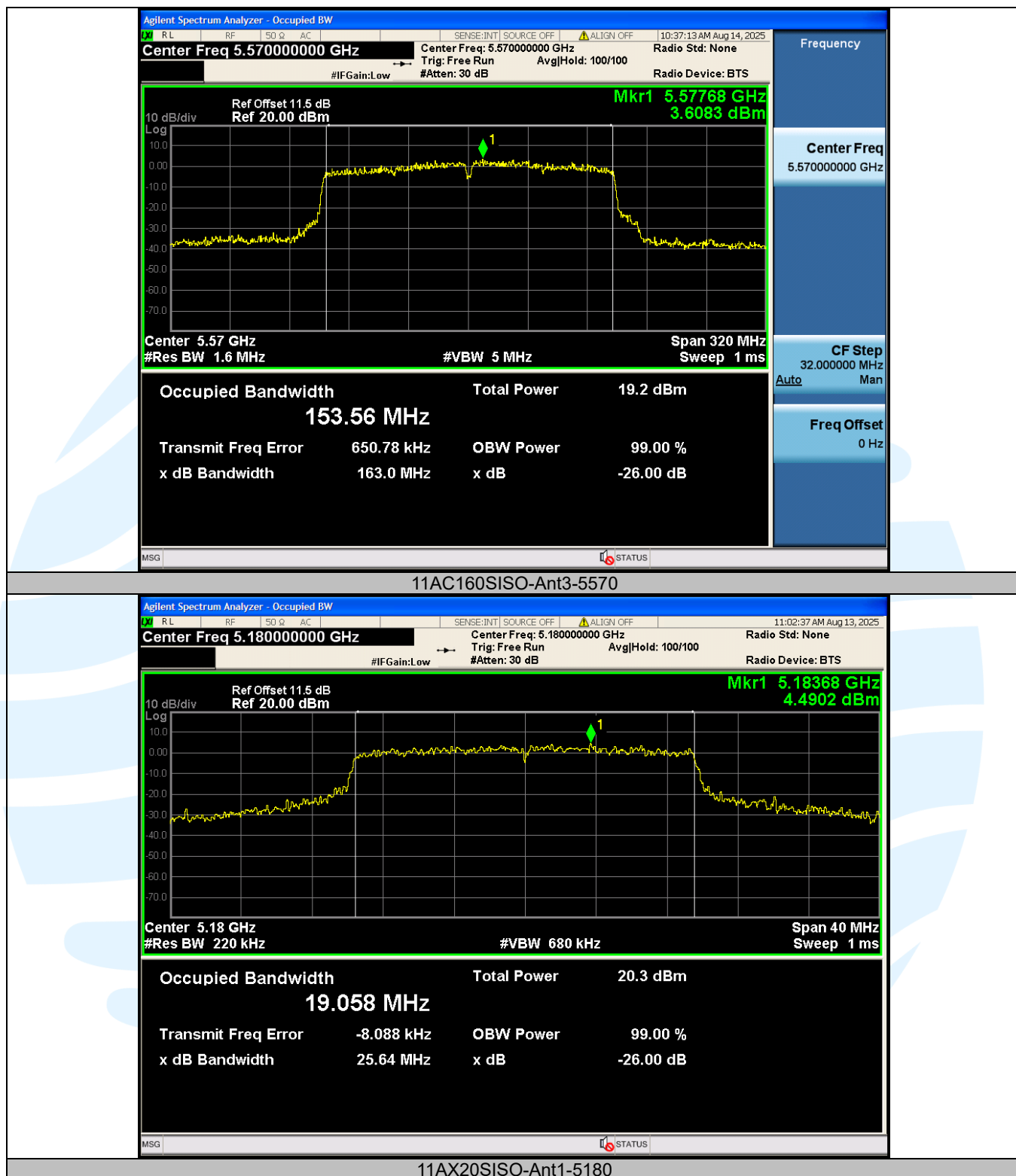
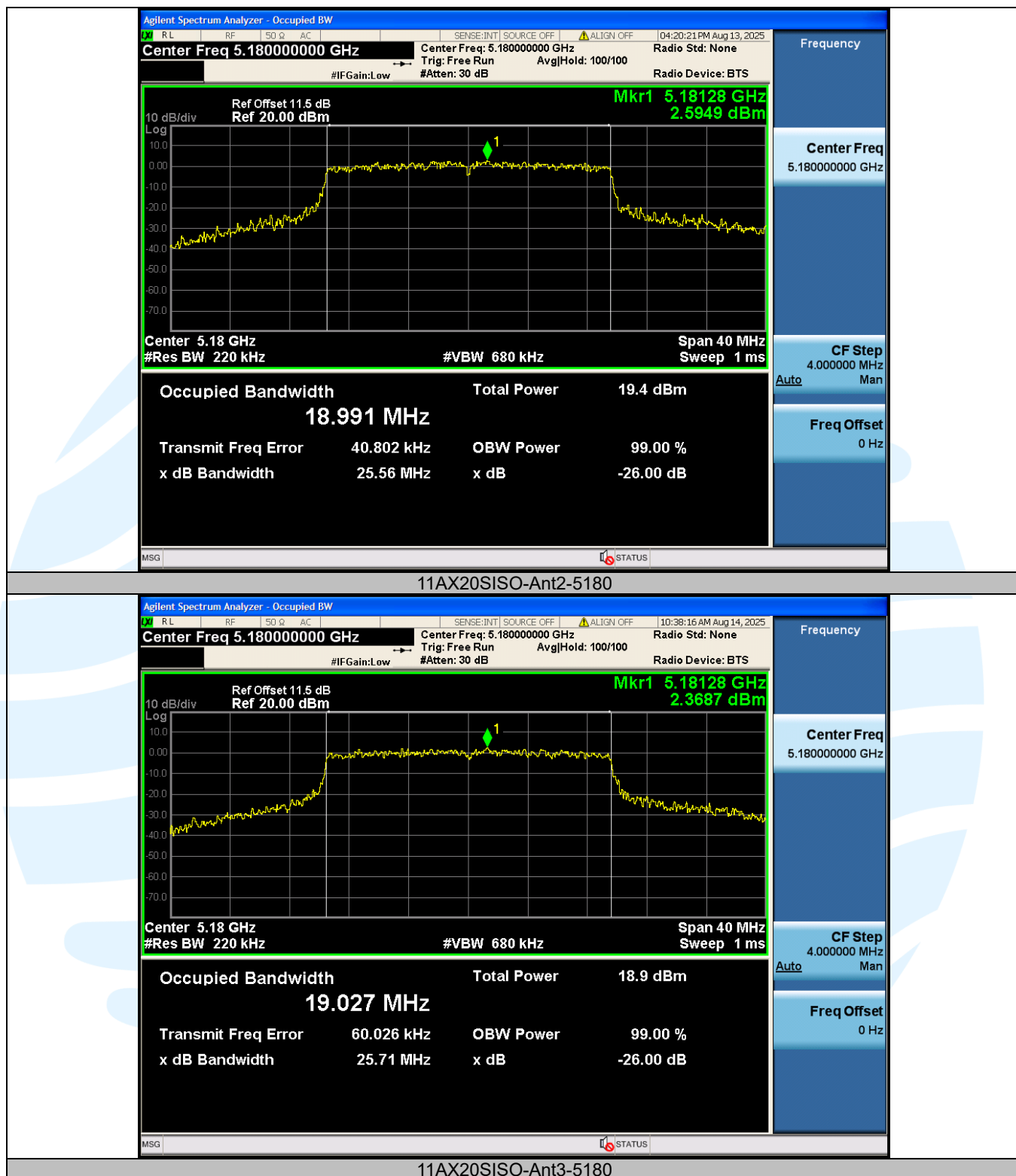
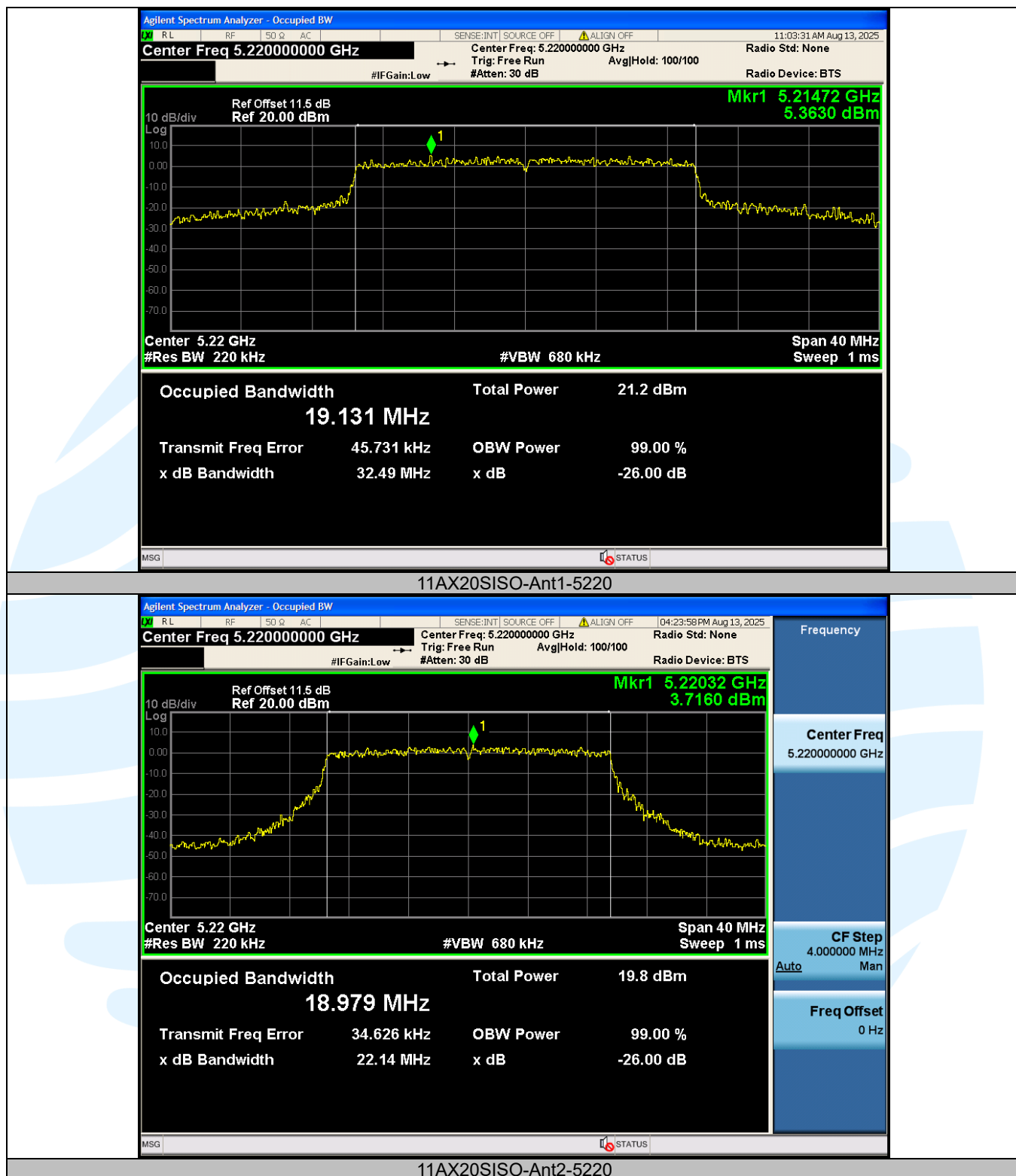


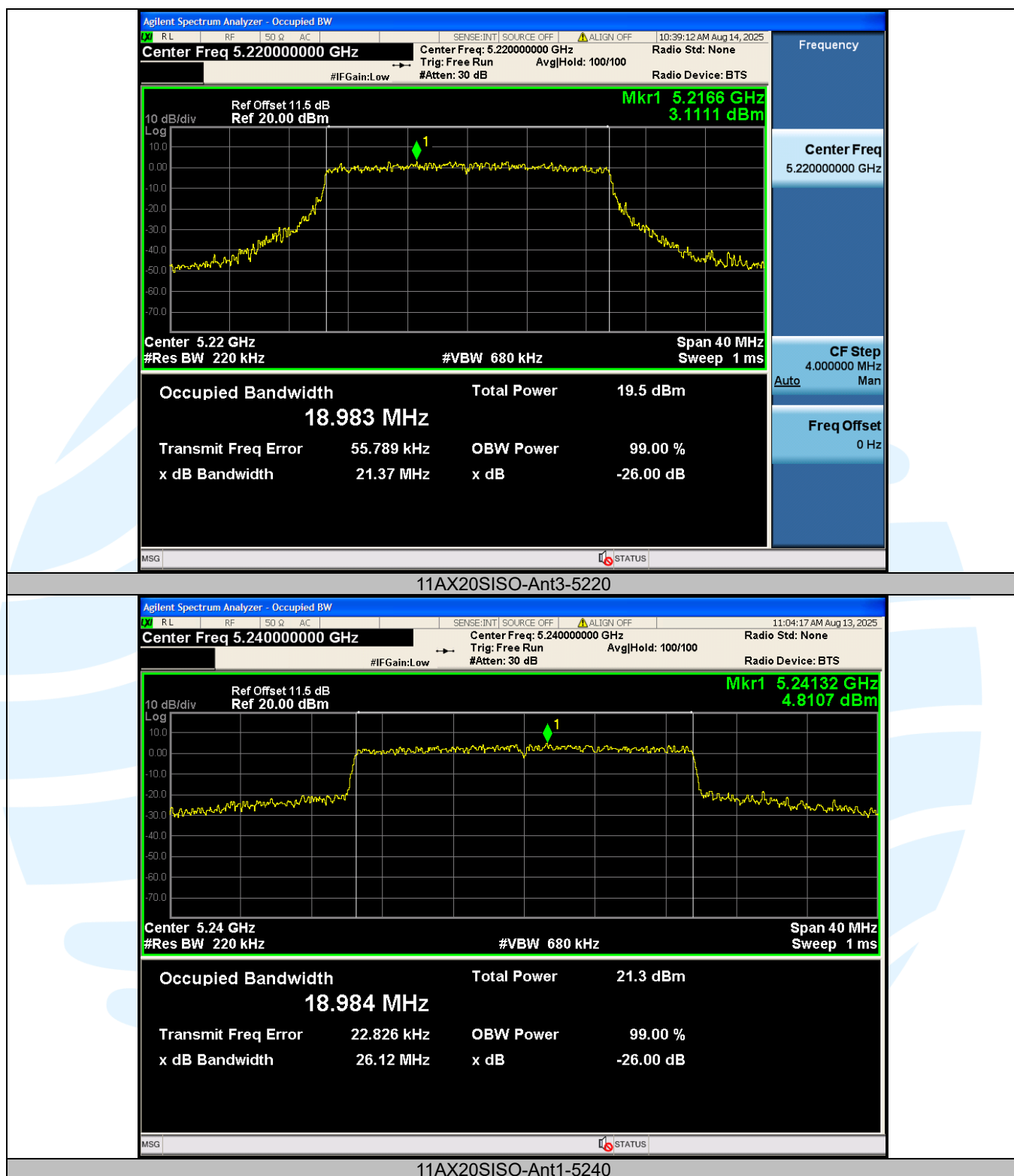










**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

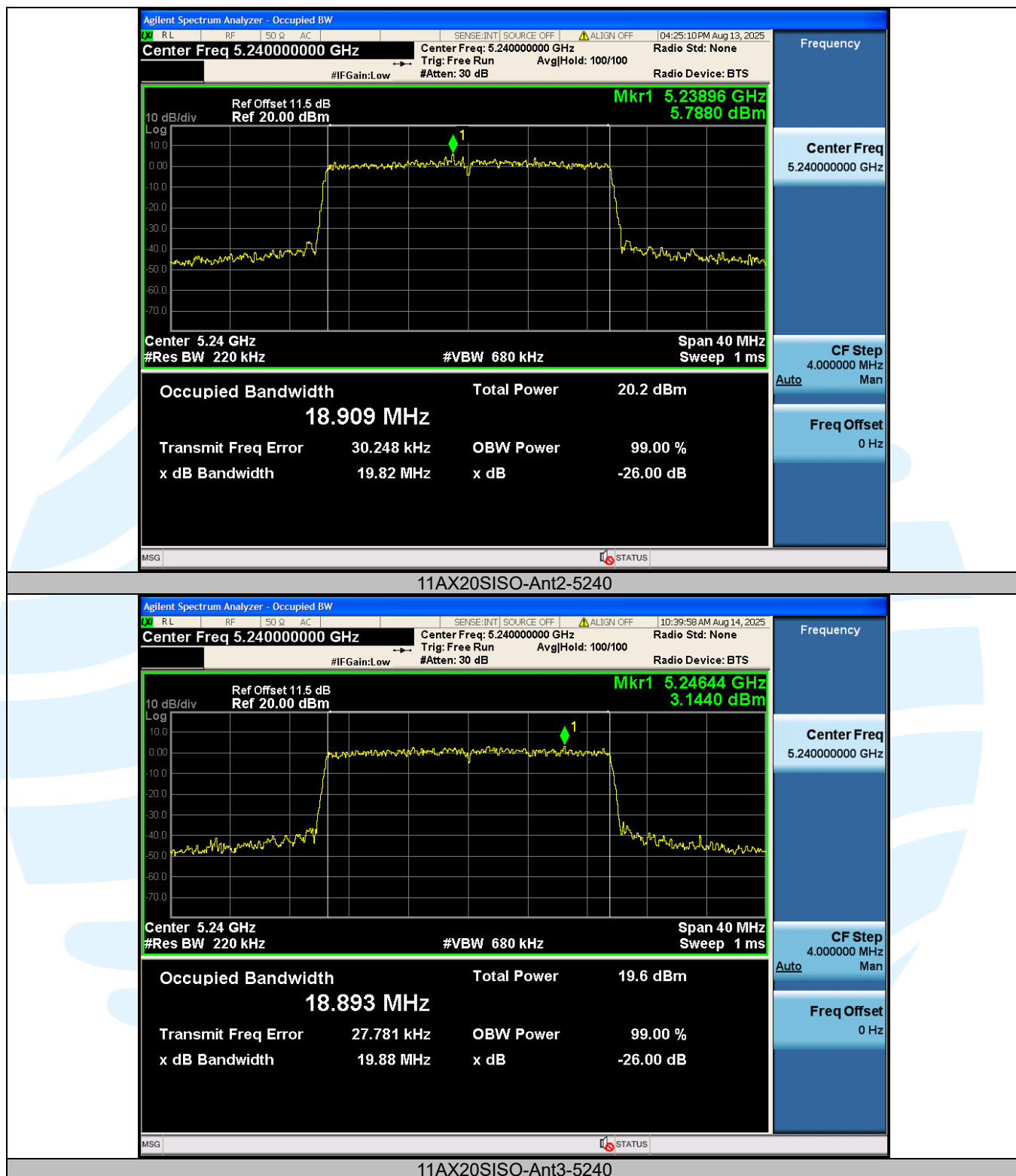
Tel: +86-755-28230888

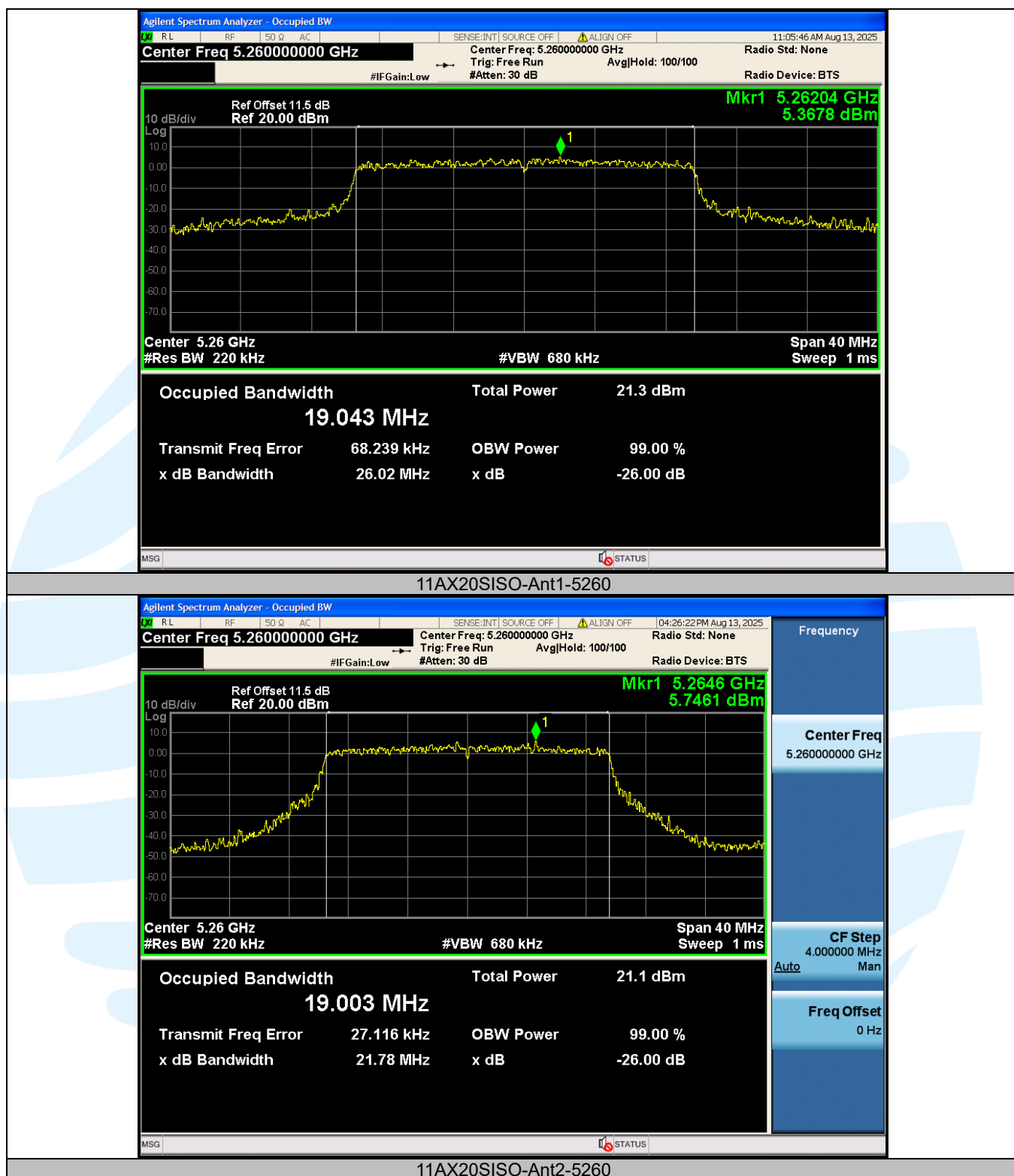
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2



**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

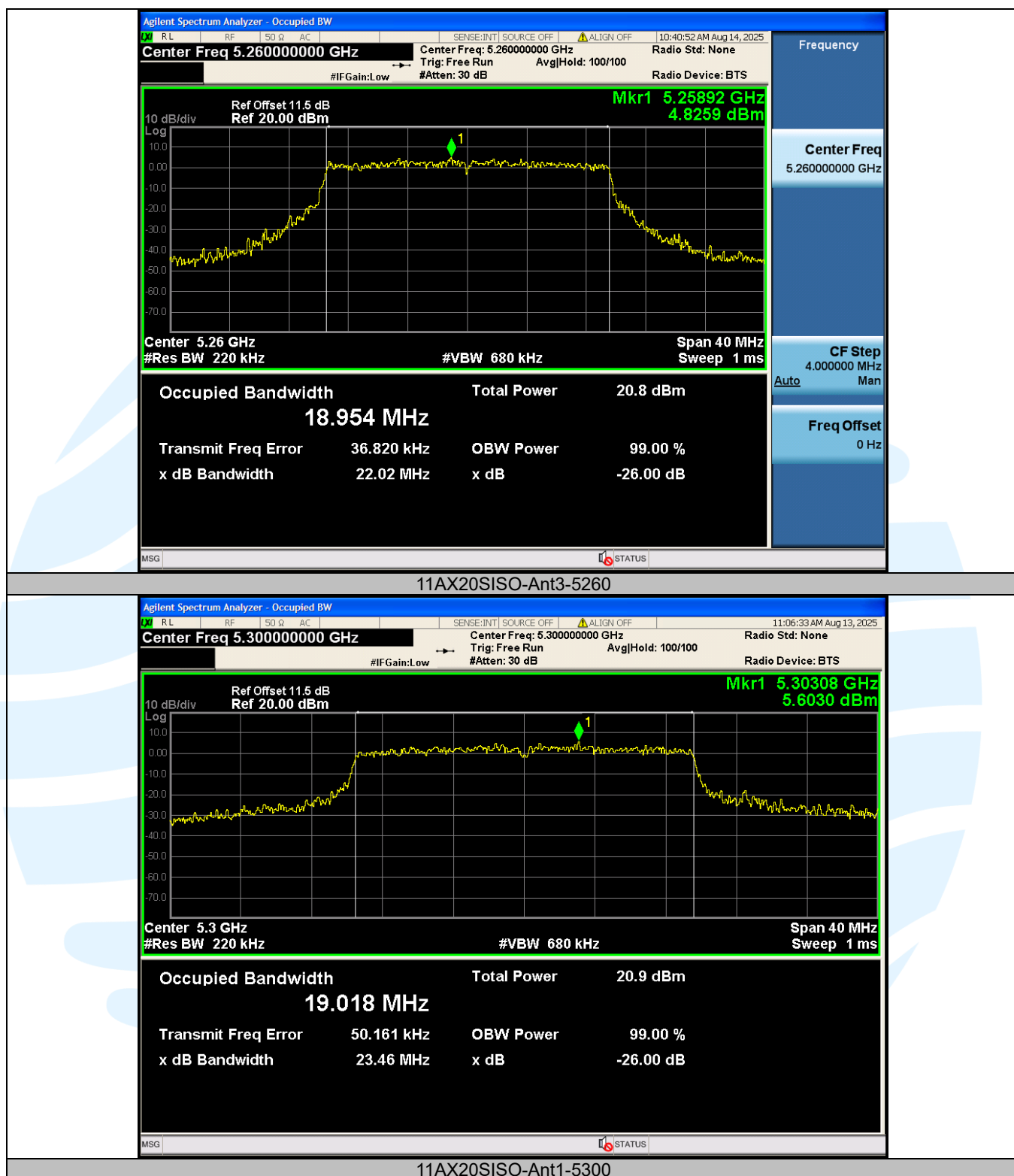
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

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.**

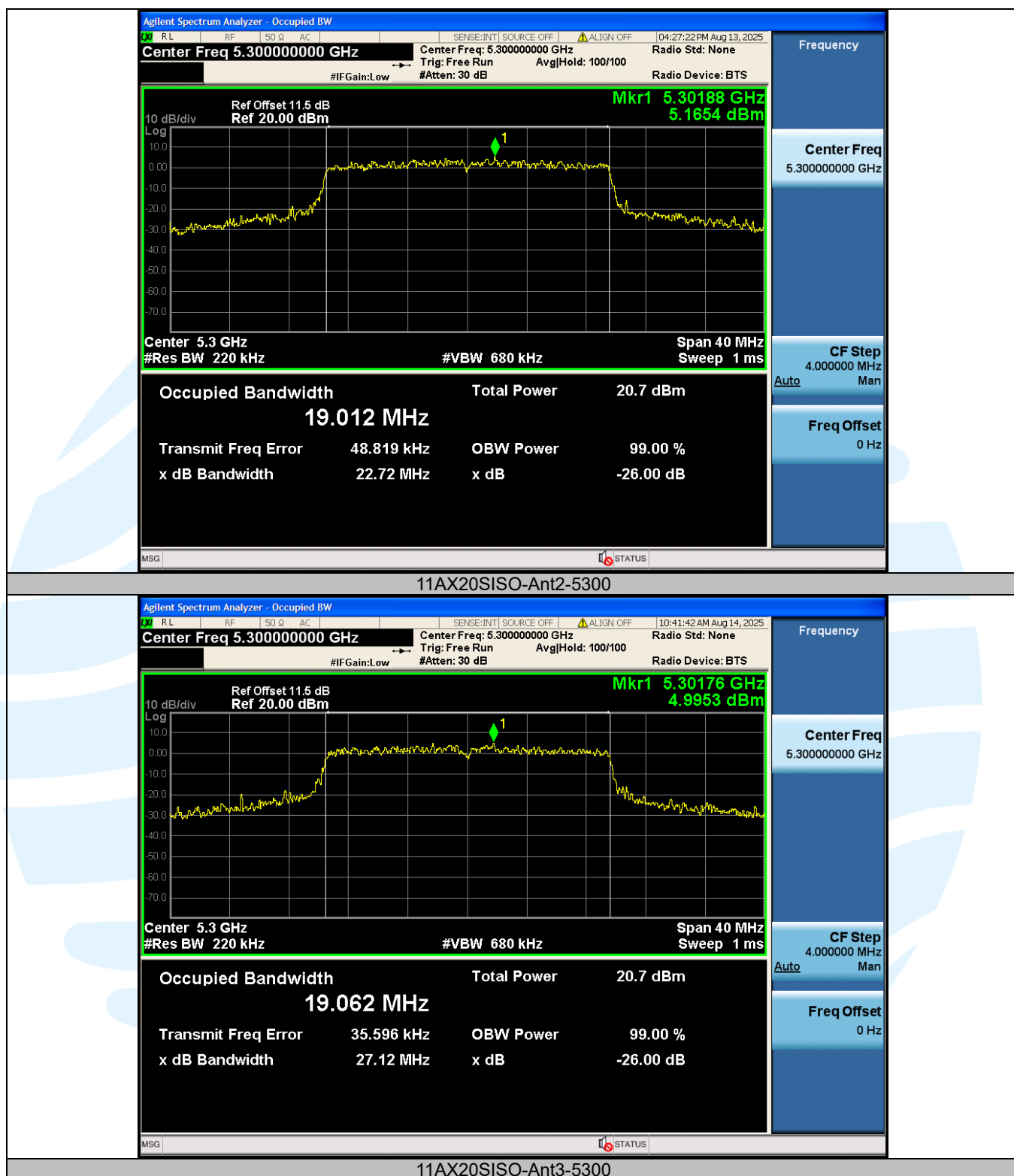
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

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.**

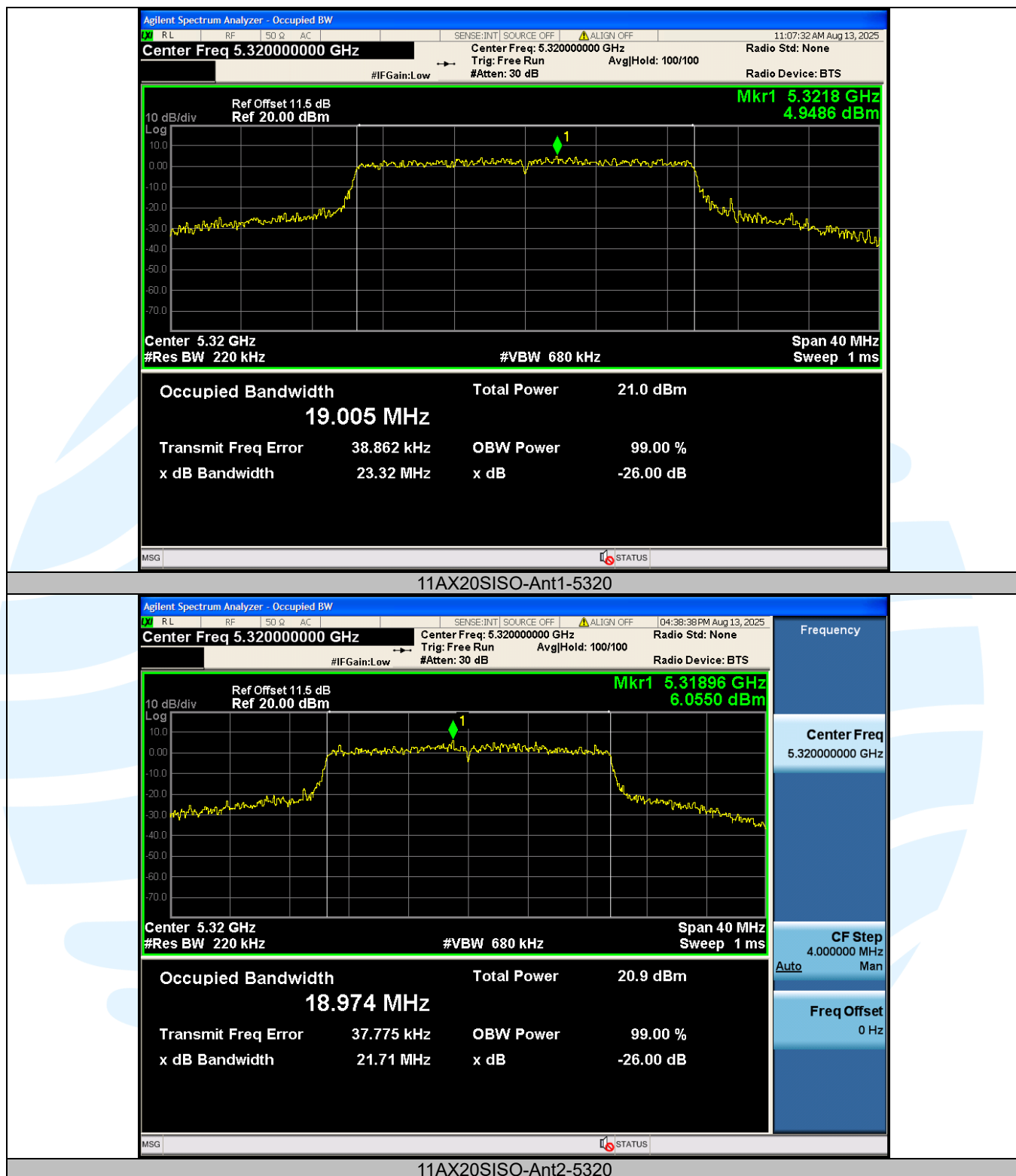
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2

**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

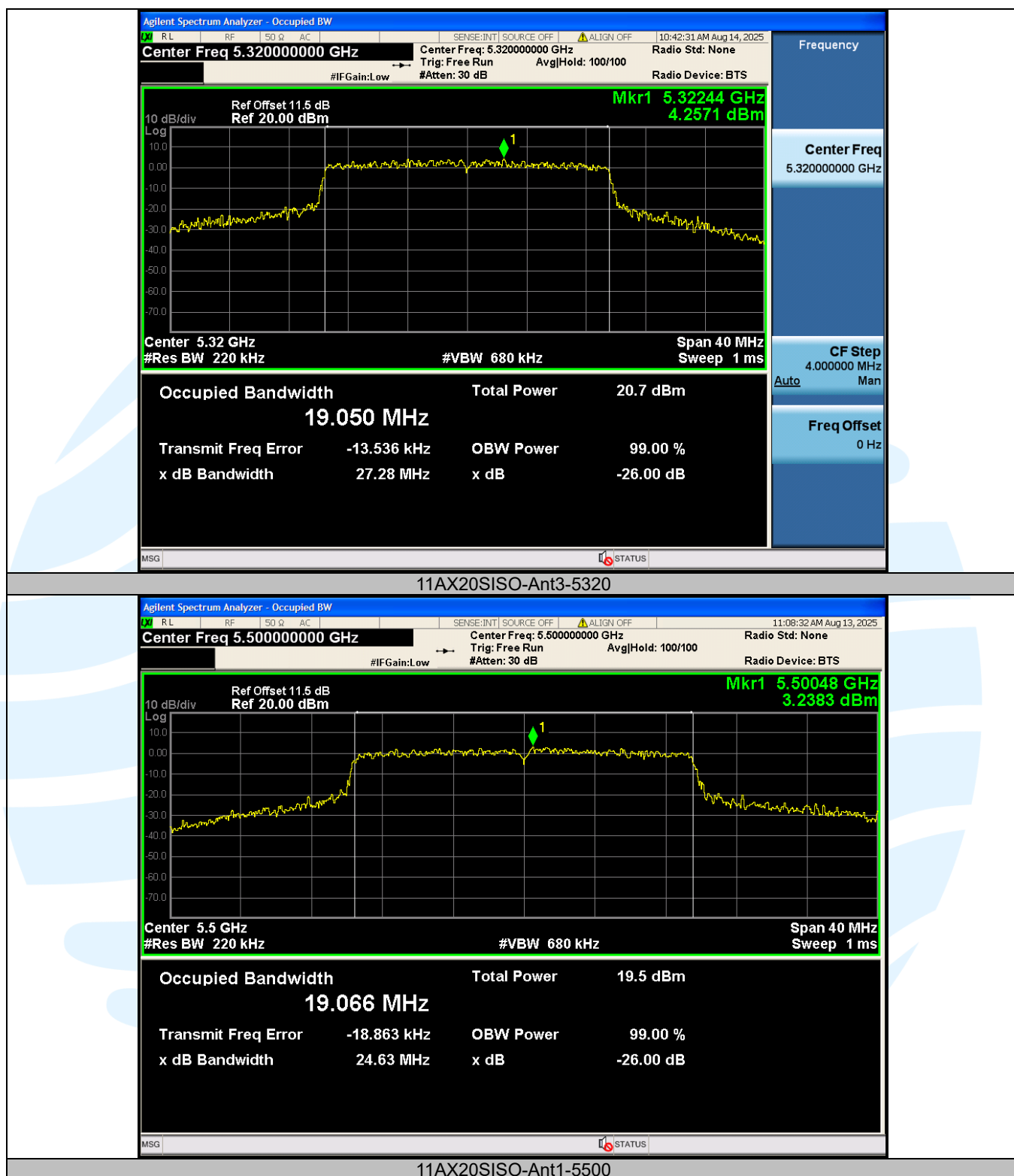
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

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

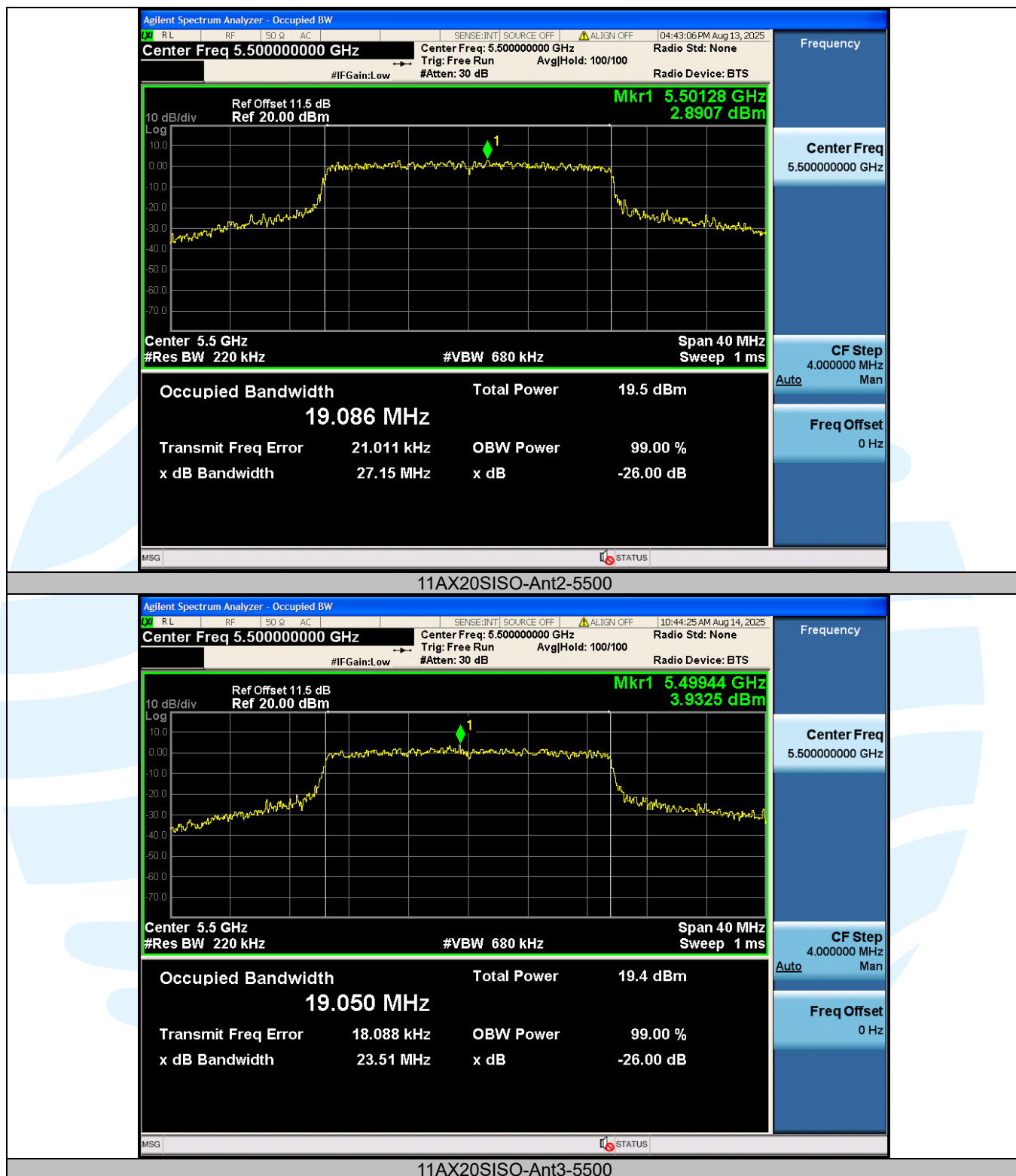
Tel: +86-755-28230888

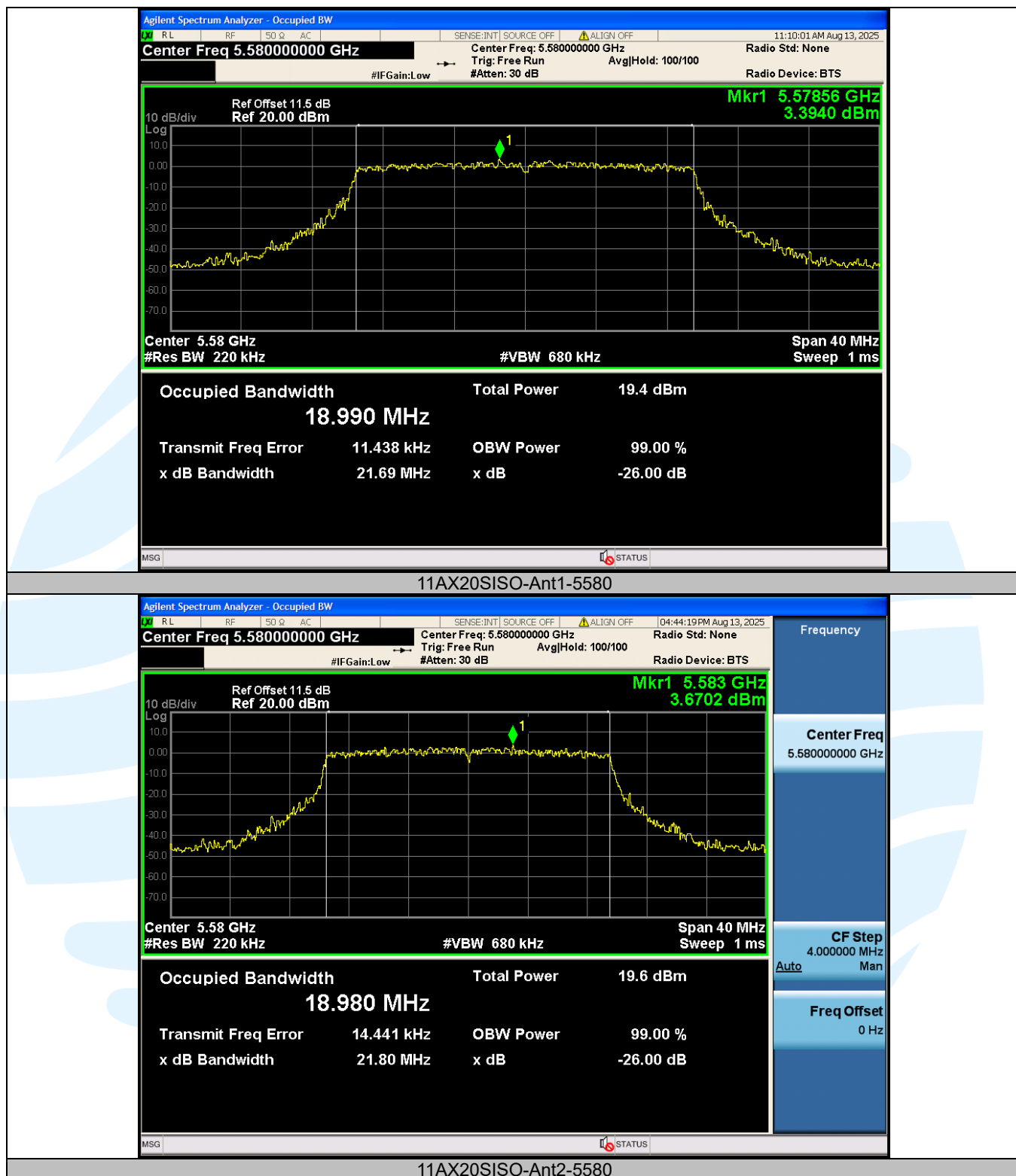
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2





Shenzhen UnionTrust Quality and Technology Co., Ltd.

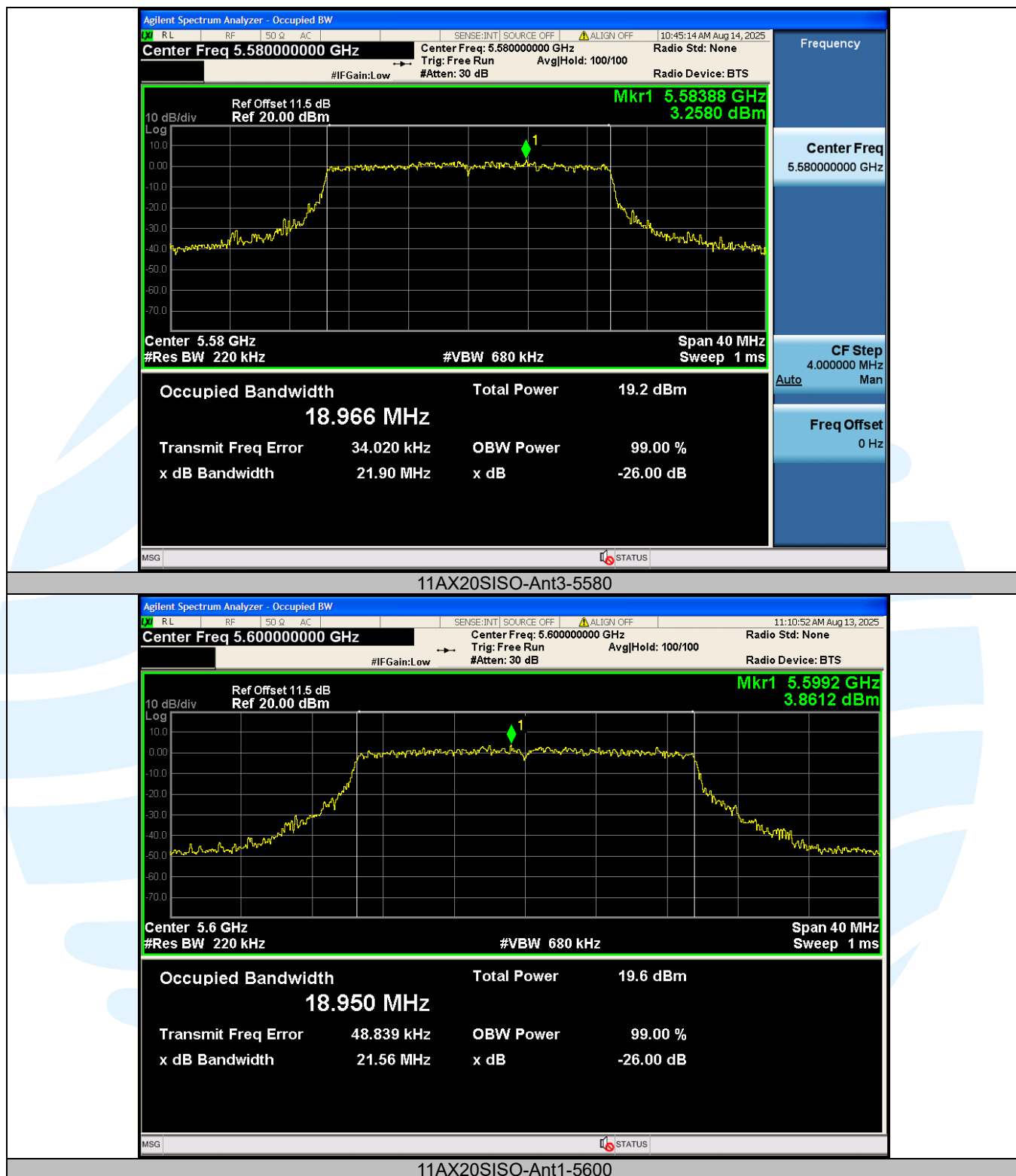
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

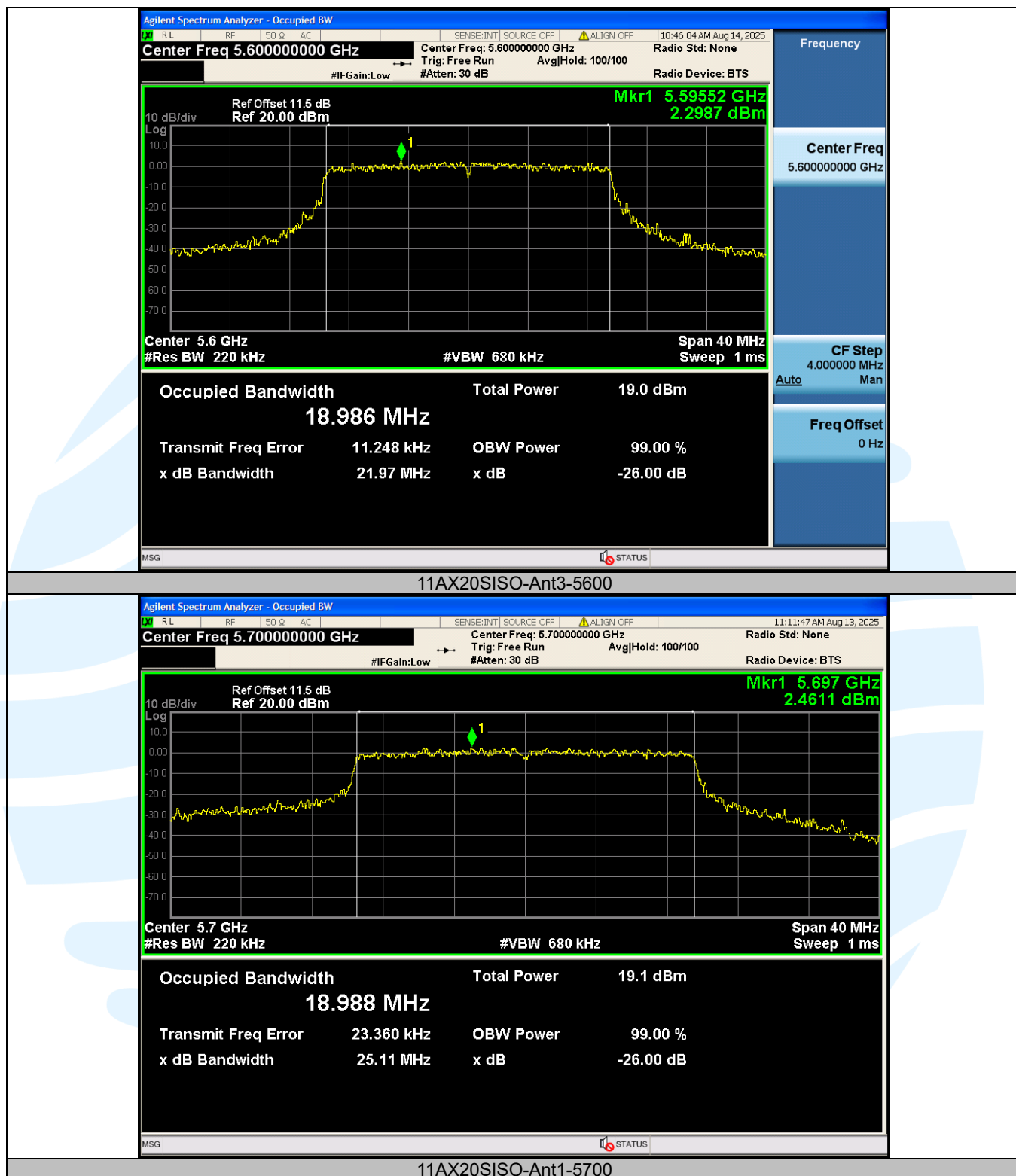
Tel: +86-755-28230888

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

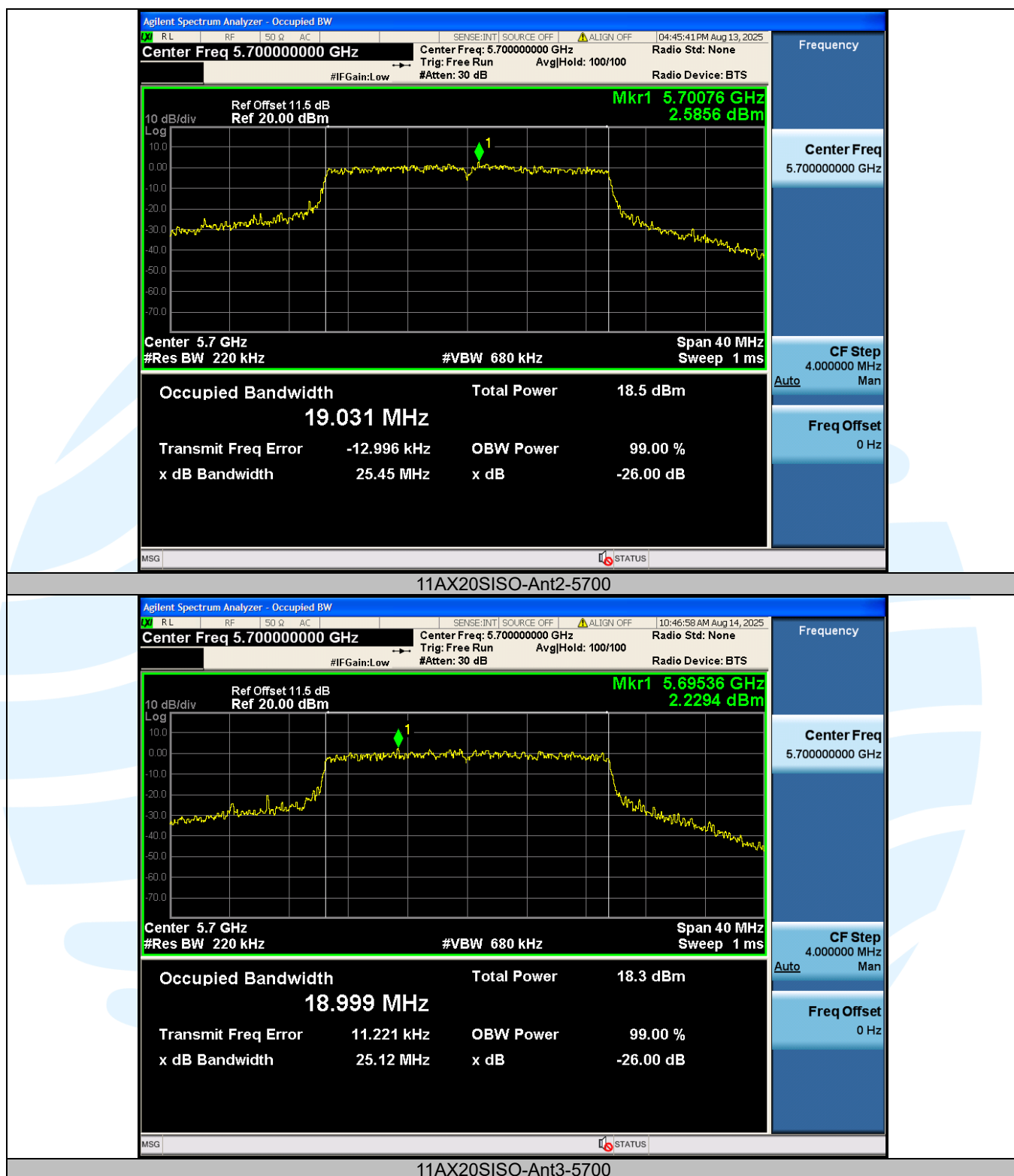
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2

**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

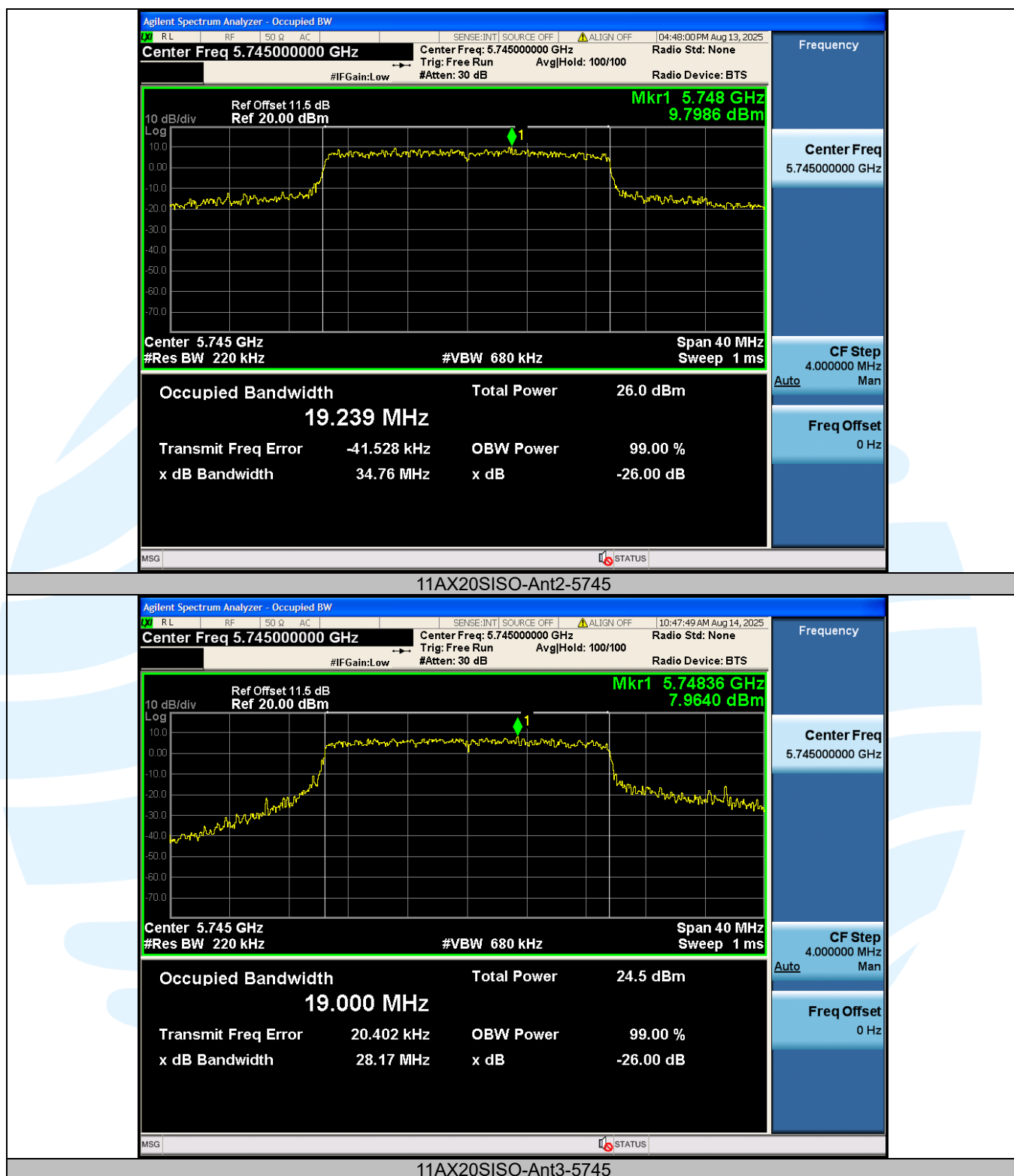
Tel: +86-755-28230888

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

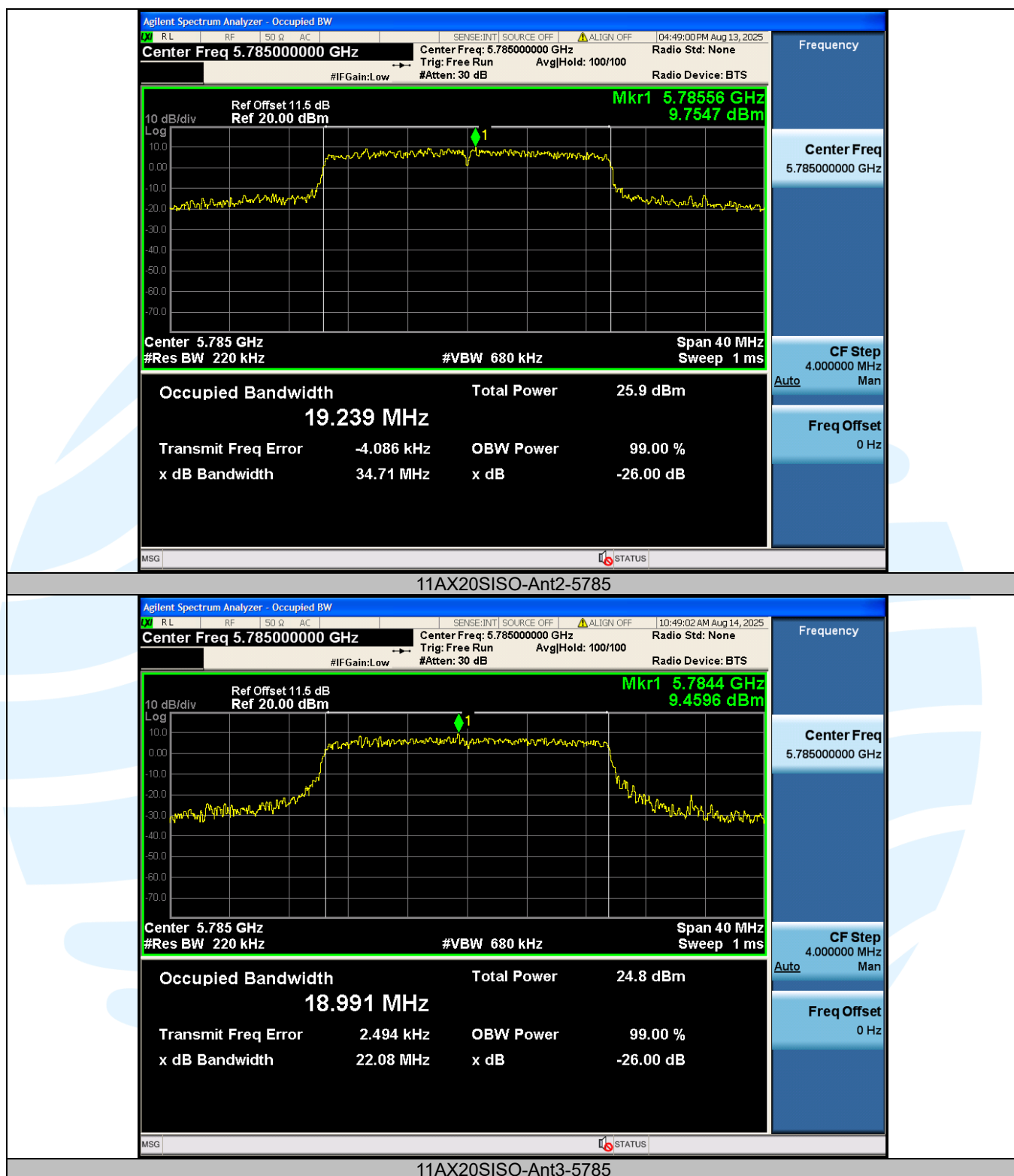
Tel: +86-755-28230888

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.**

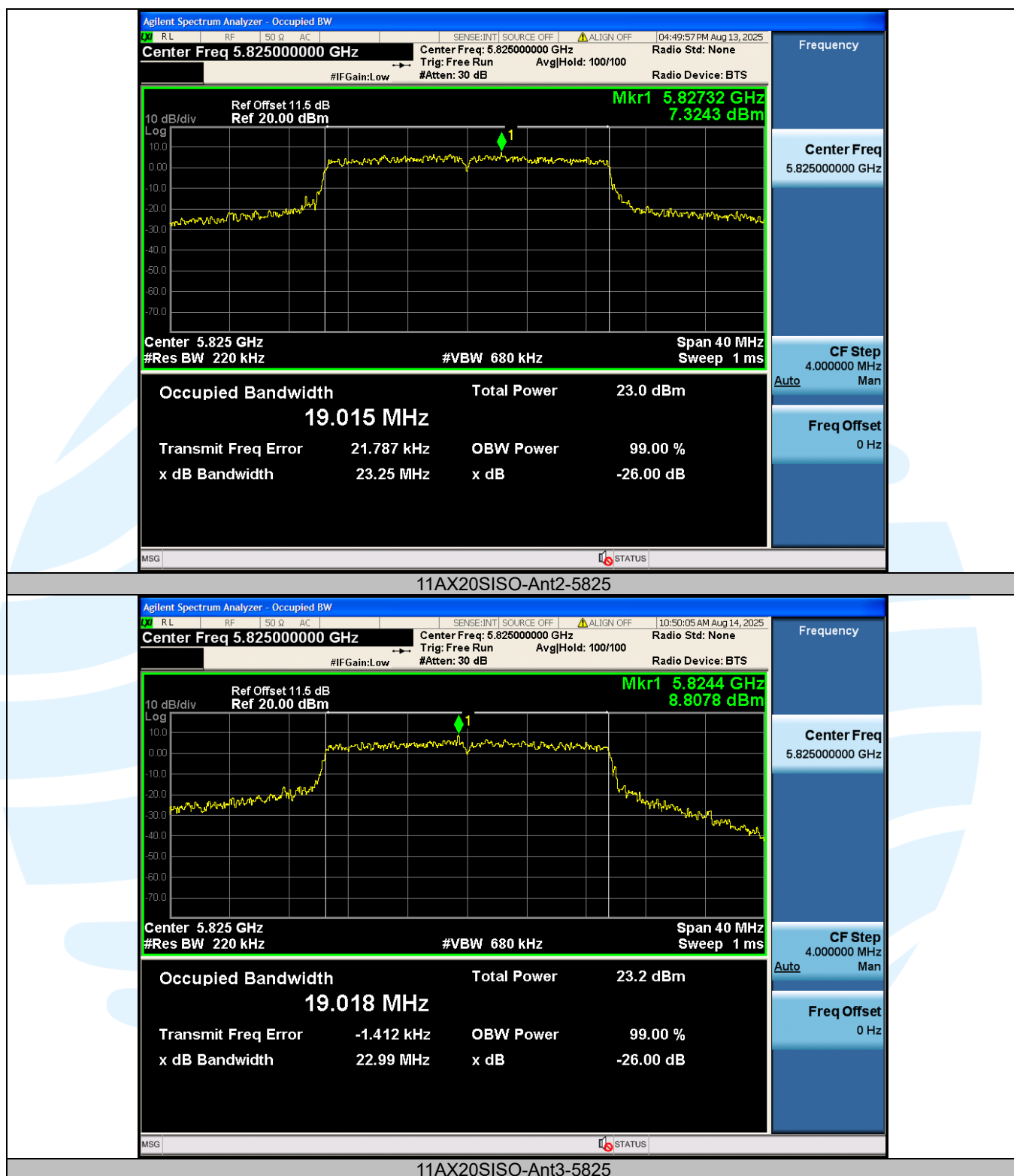
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

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

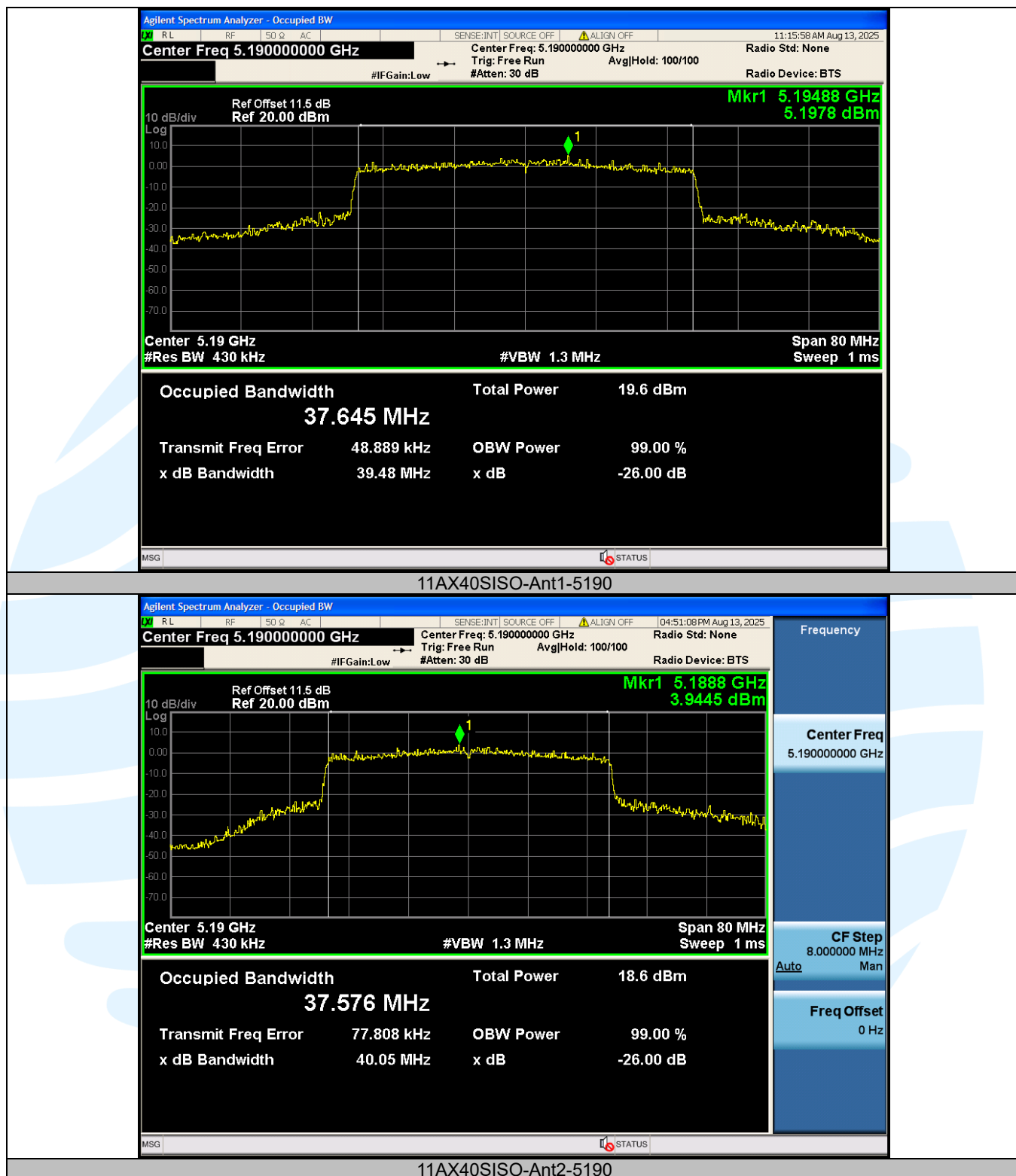
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2



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

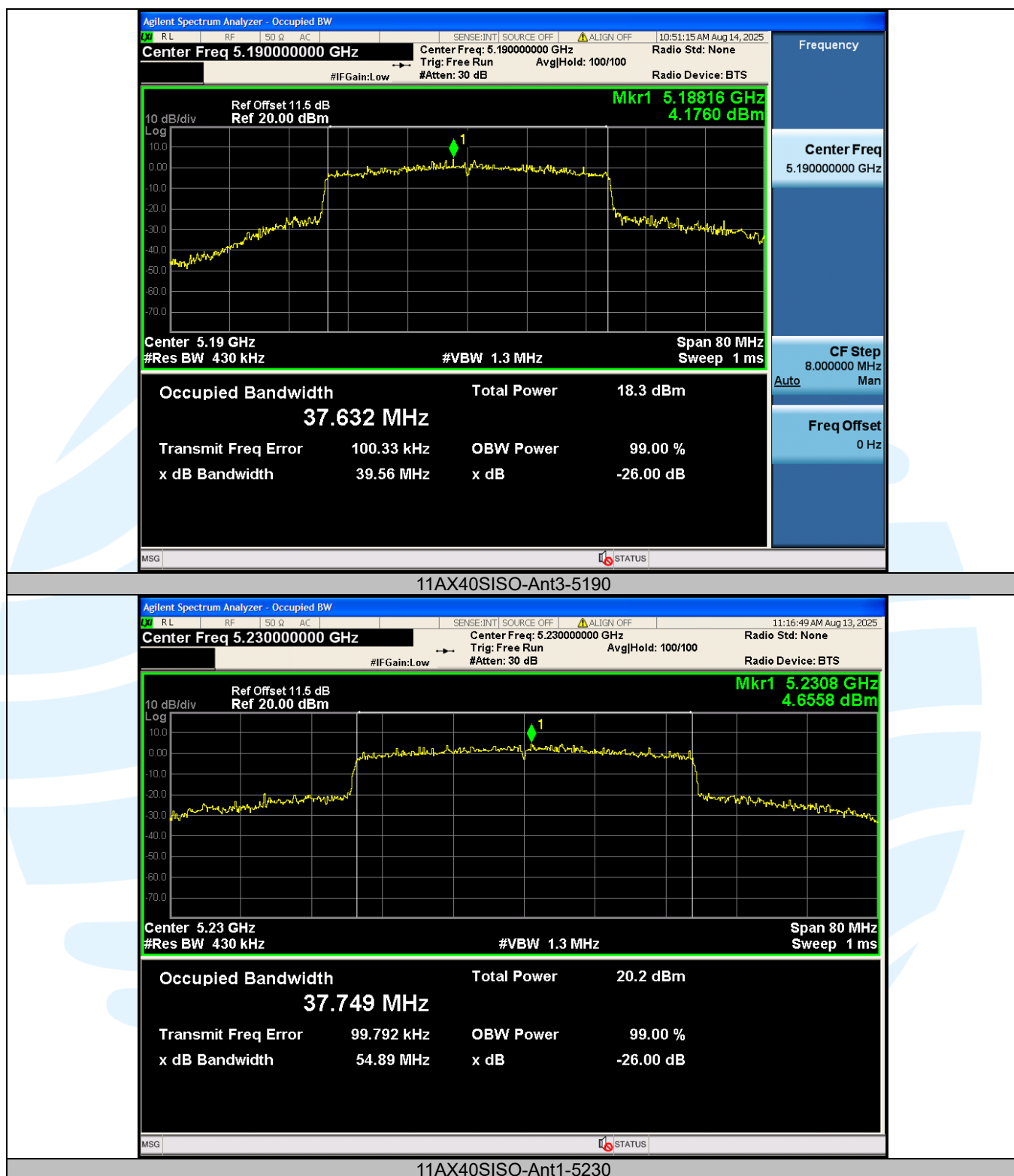
Tel: +86-755-28230888

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

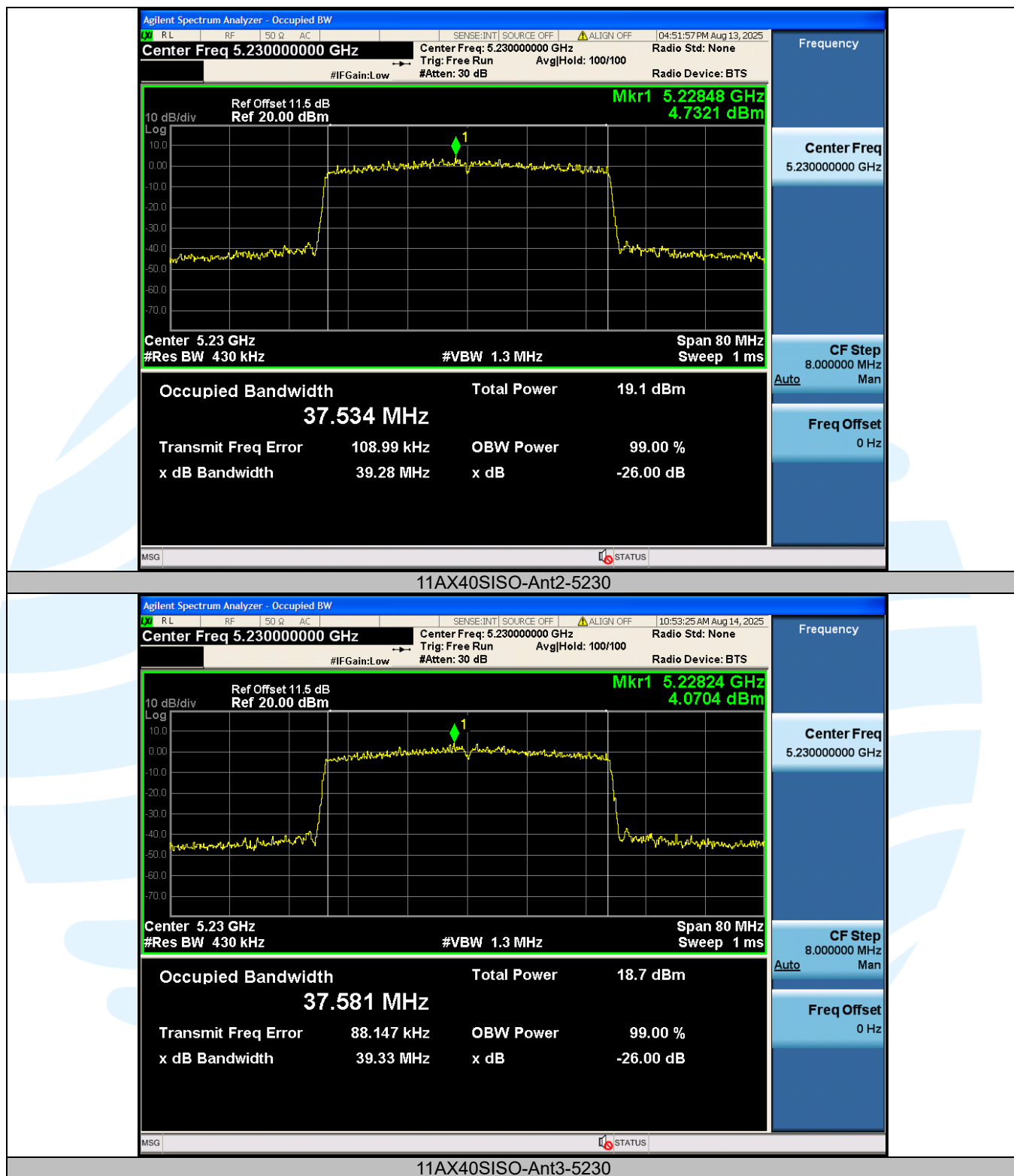
Tel: +86-755-28230888

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

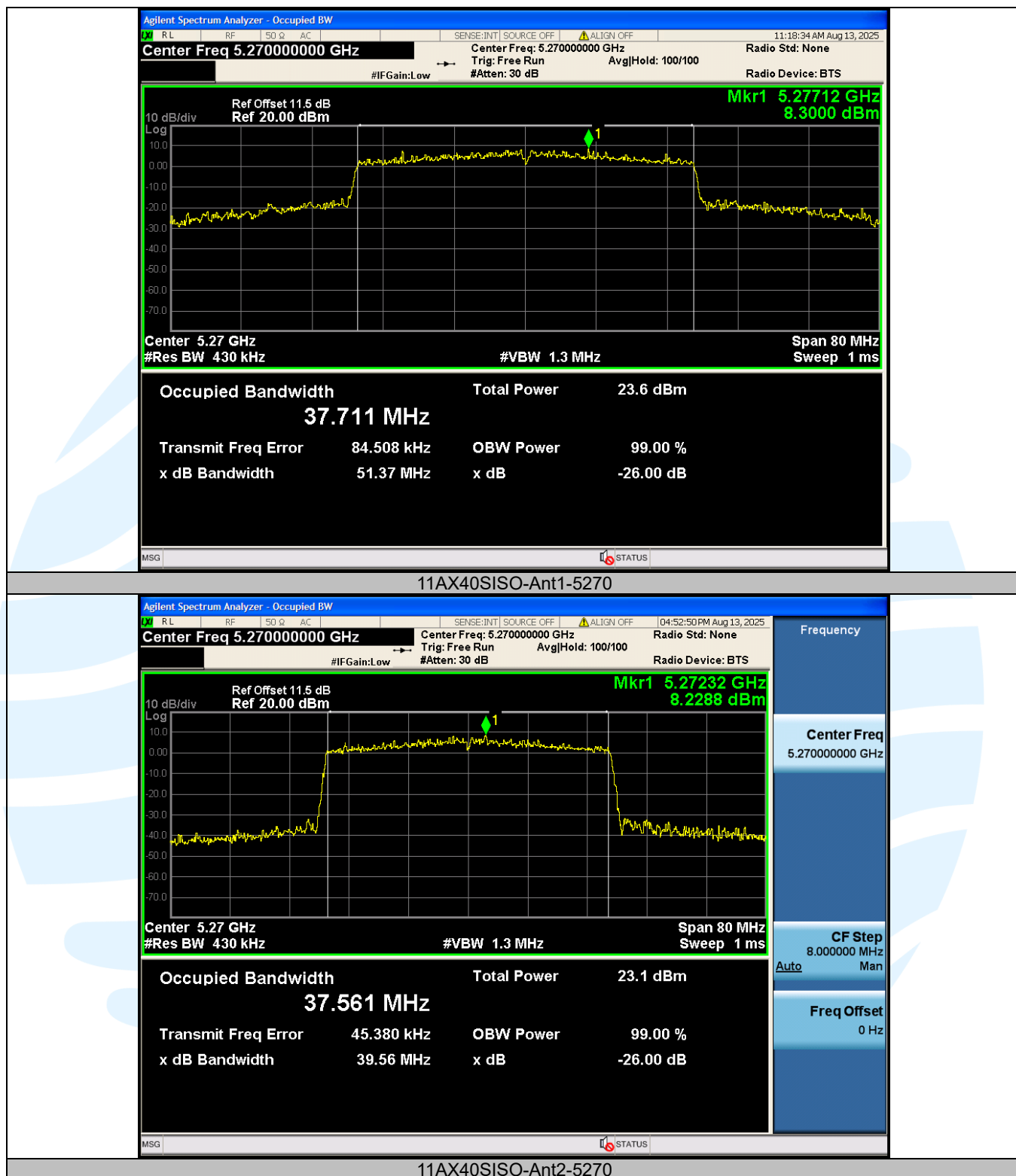
Tel: +86-755-28230888

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.

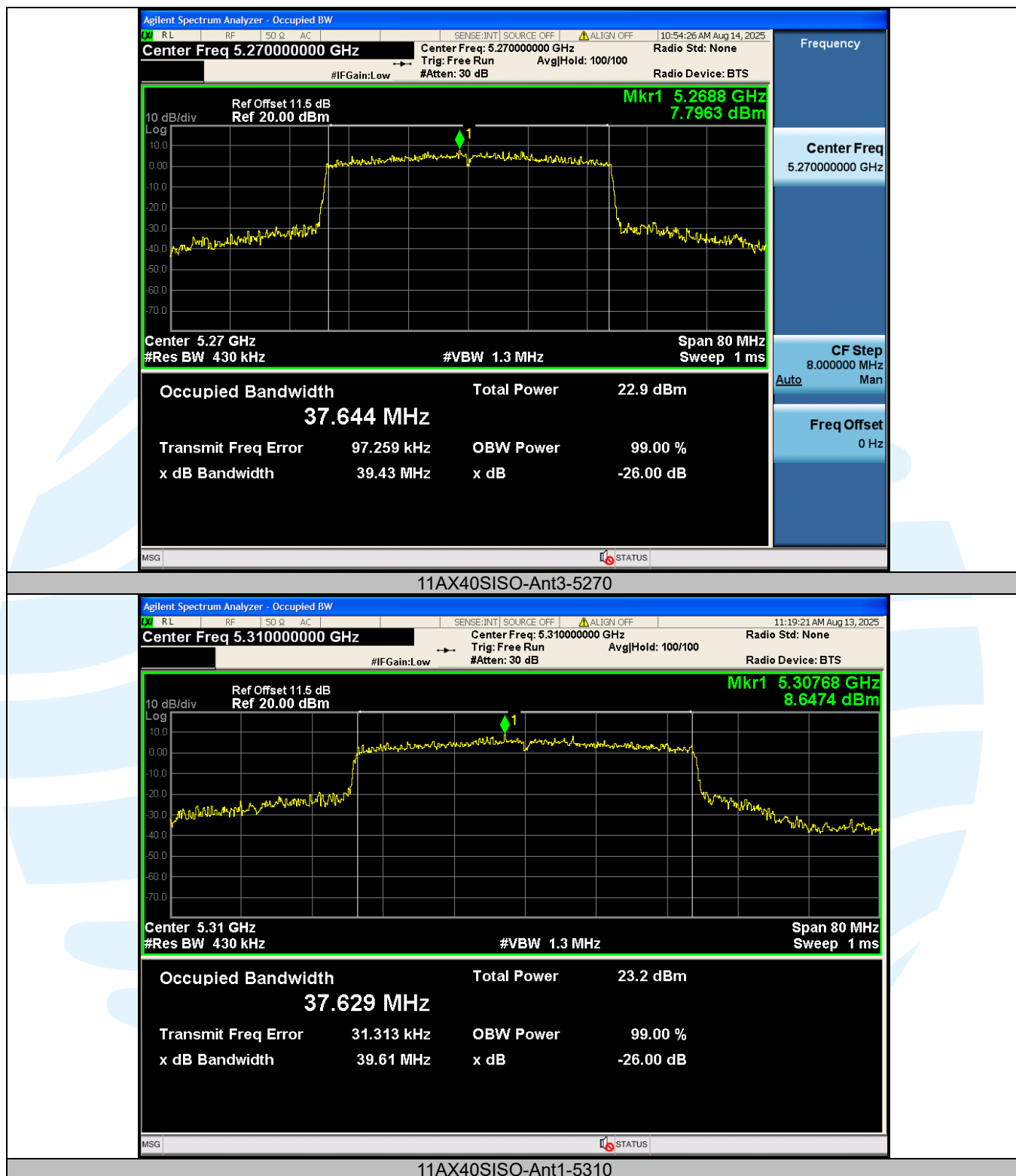
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

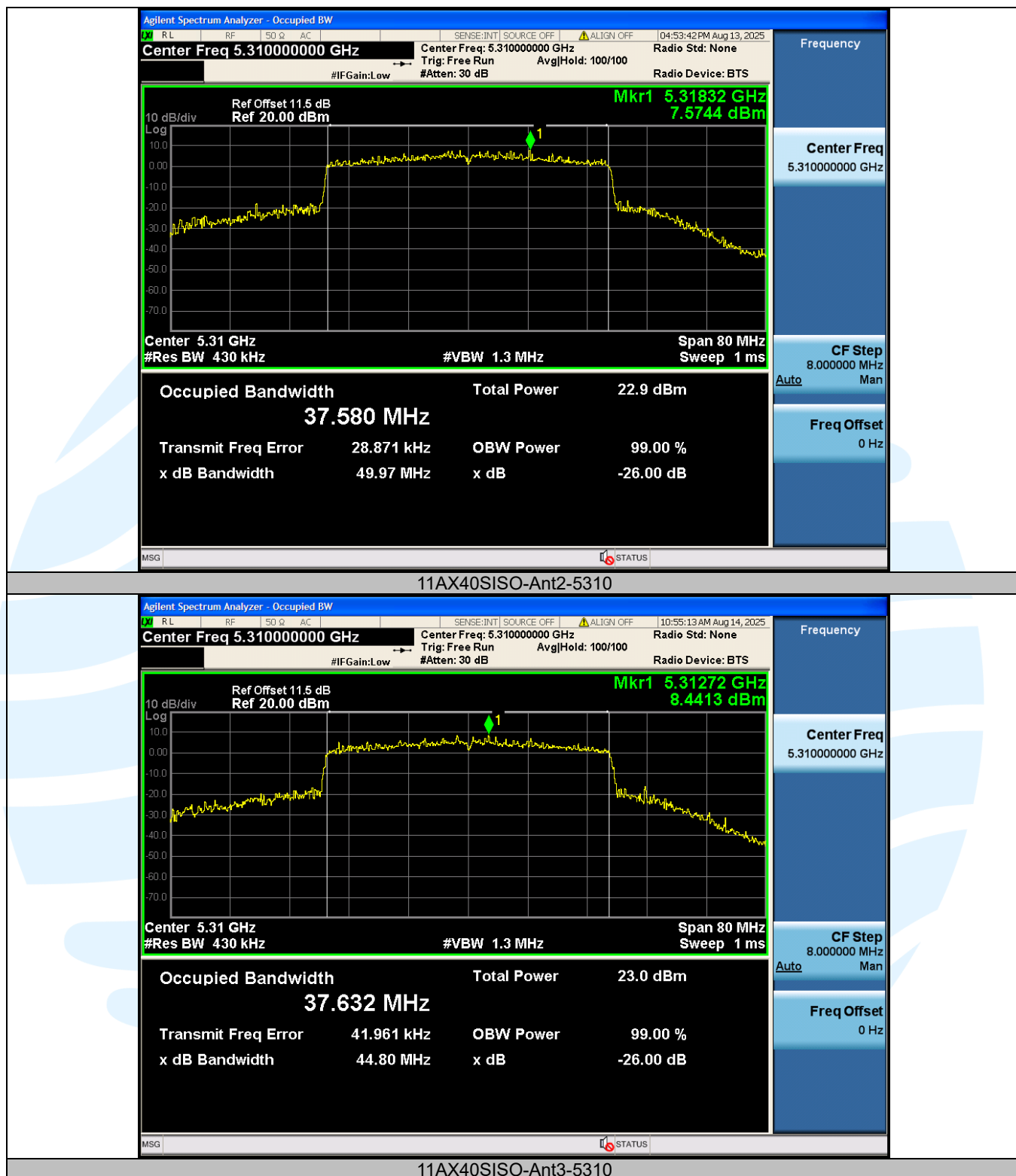
Tel: +86-755-28230888

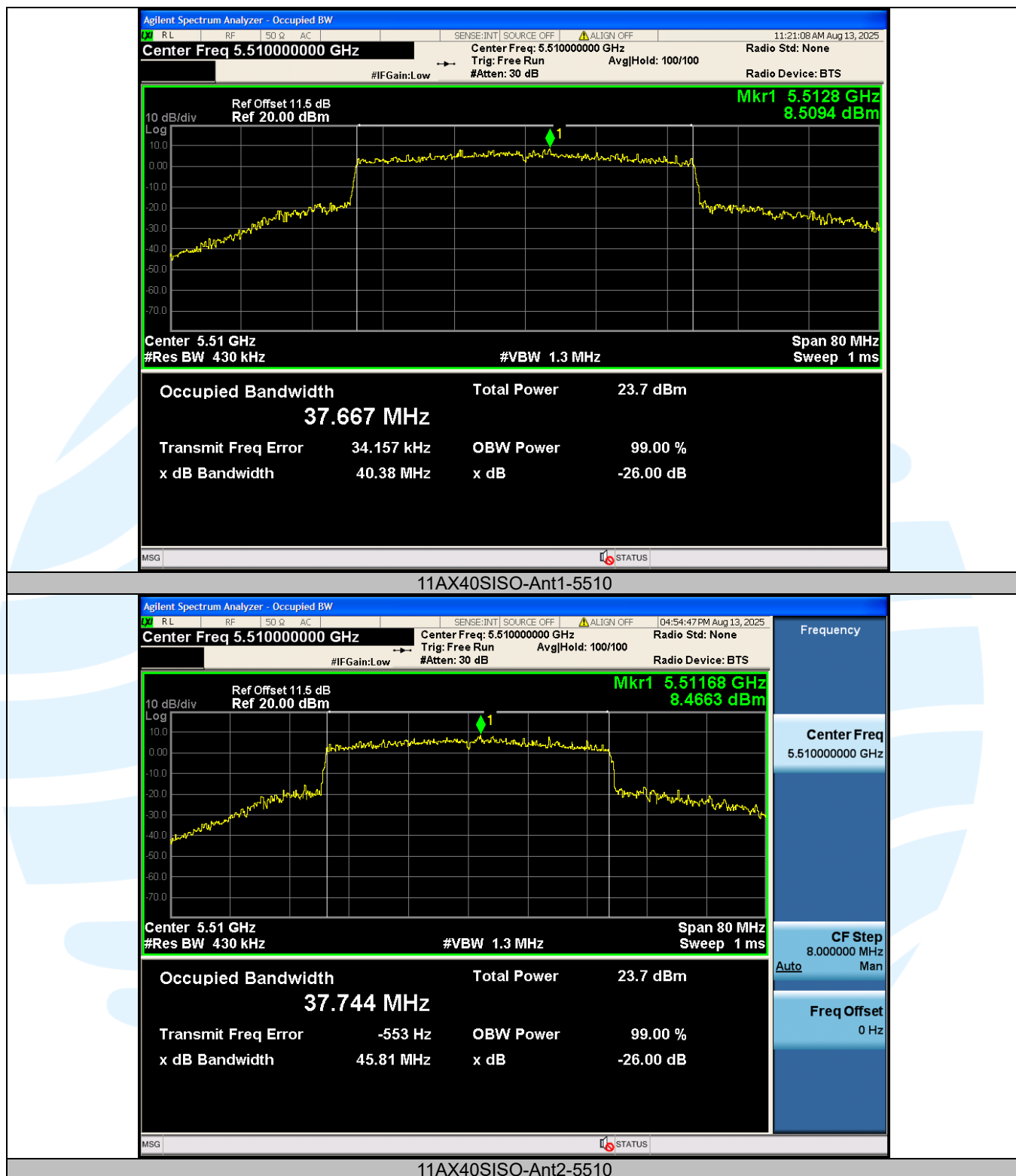
Fax: +86-755-28230886

E-mail: info@uttlab.com
<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2







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

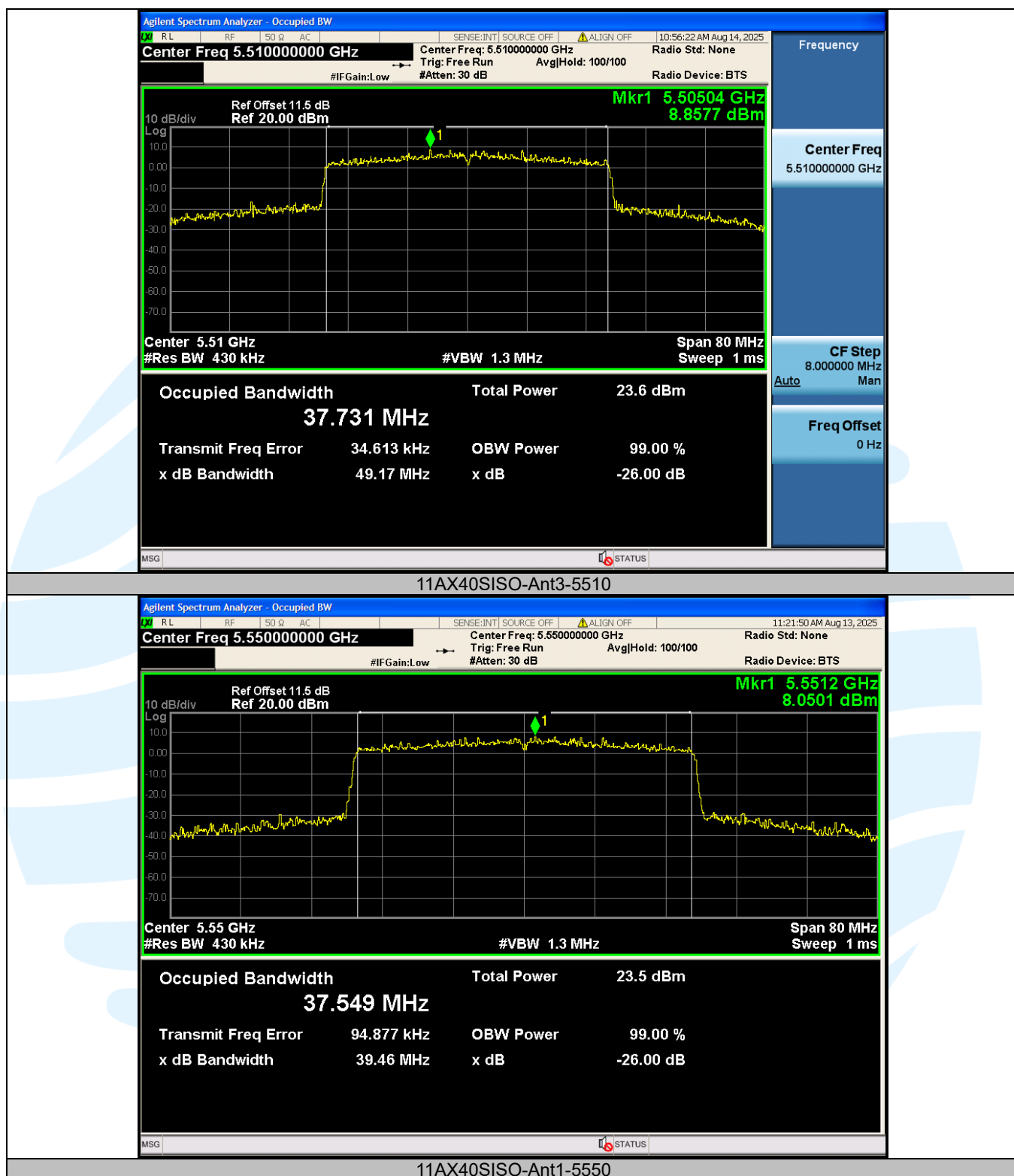
Tel: +86-755-28230888

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

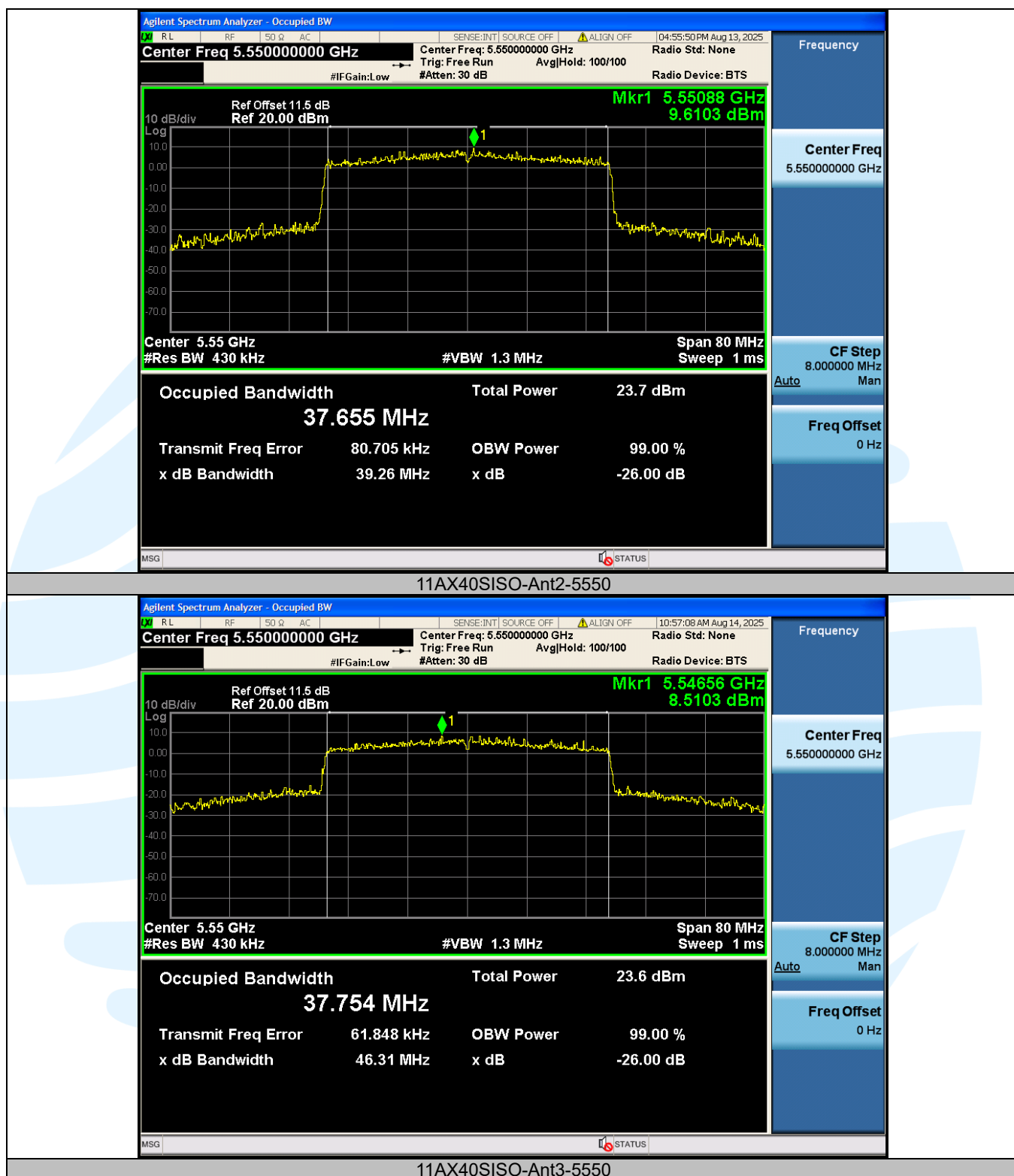
Tel: +86-755-28230888

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

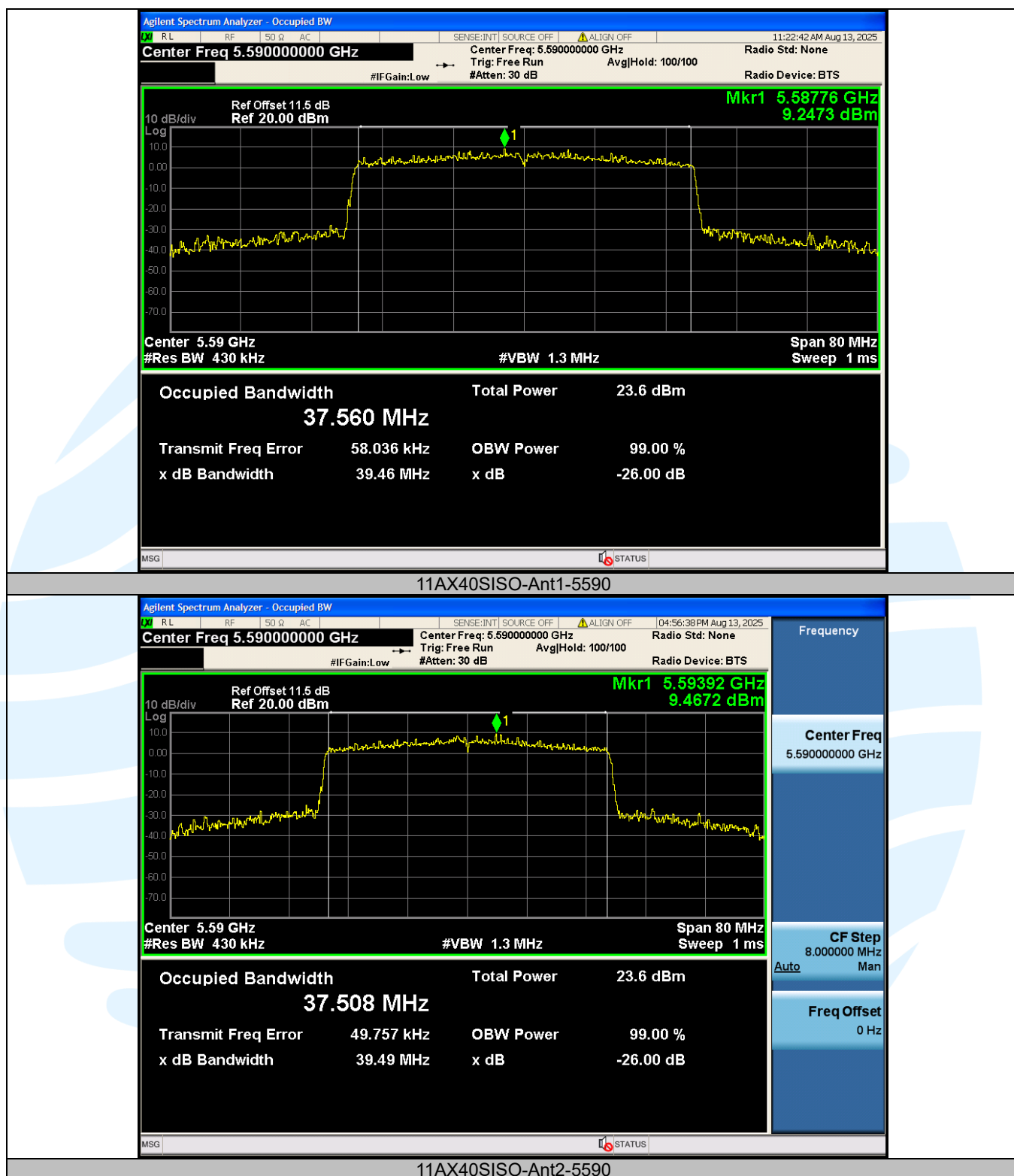
Tel: +86-755-28230888

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

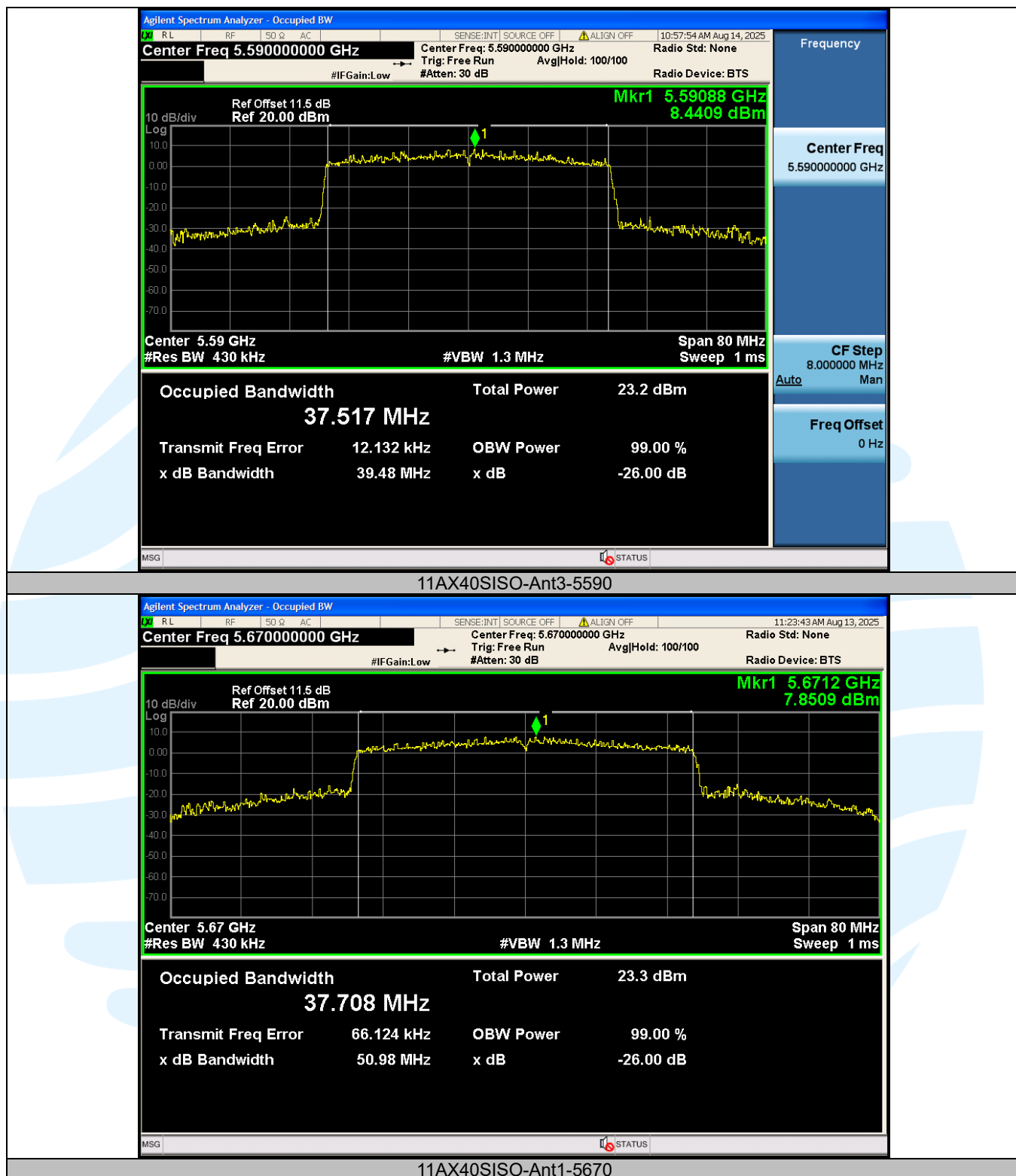
Tel: +86-755-28230888

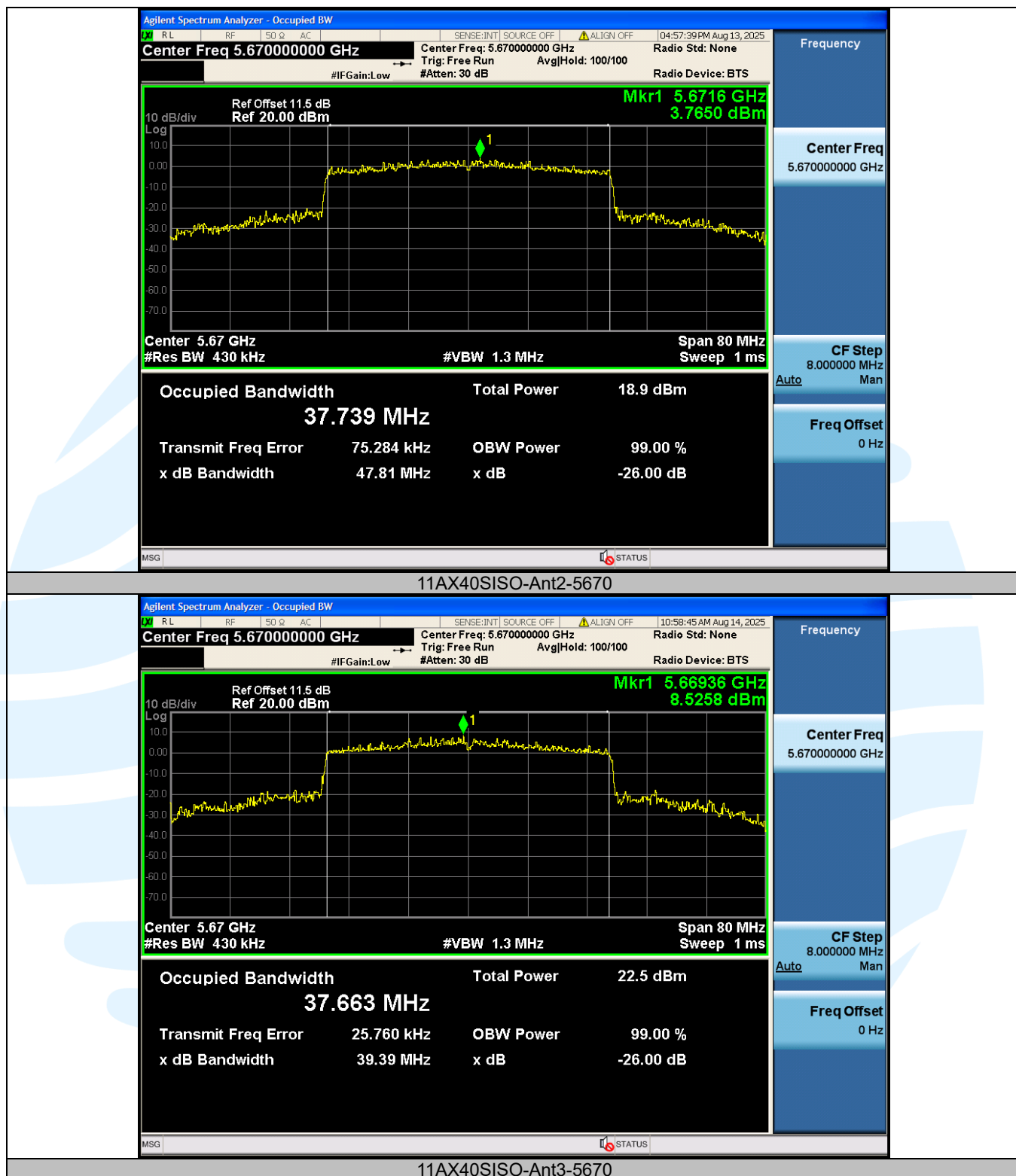
Fax: +86-755-28230886

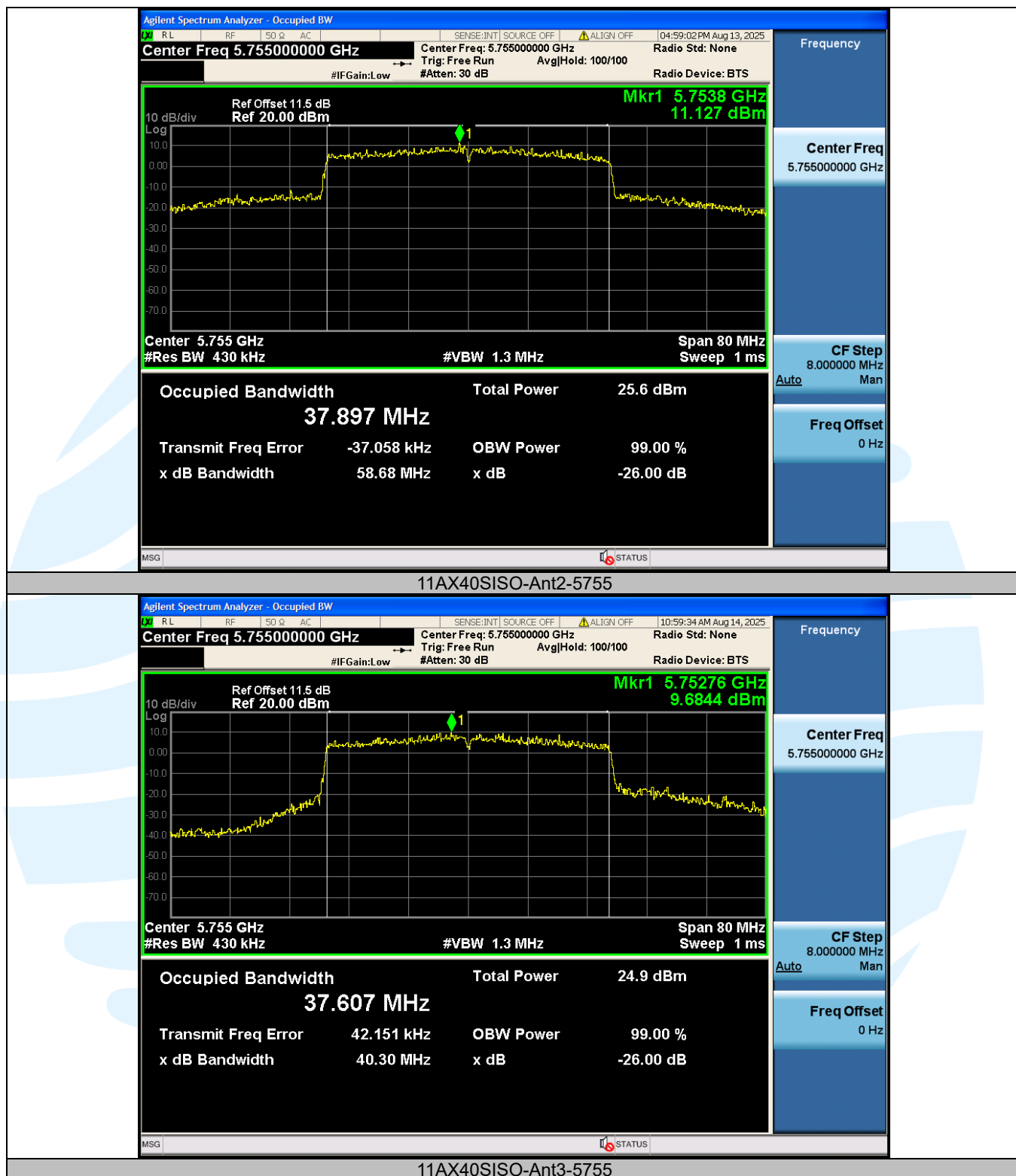
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2







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

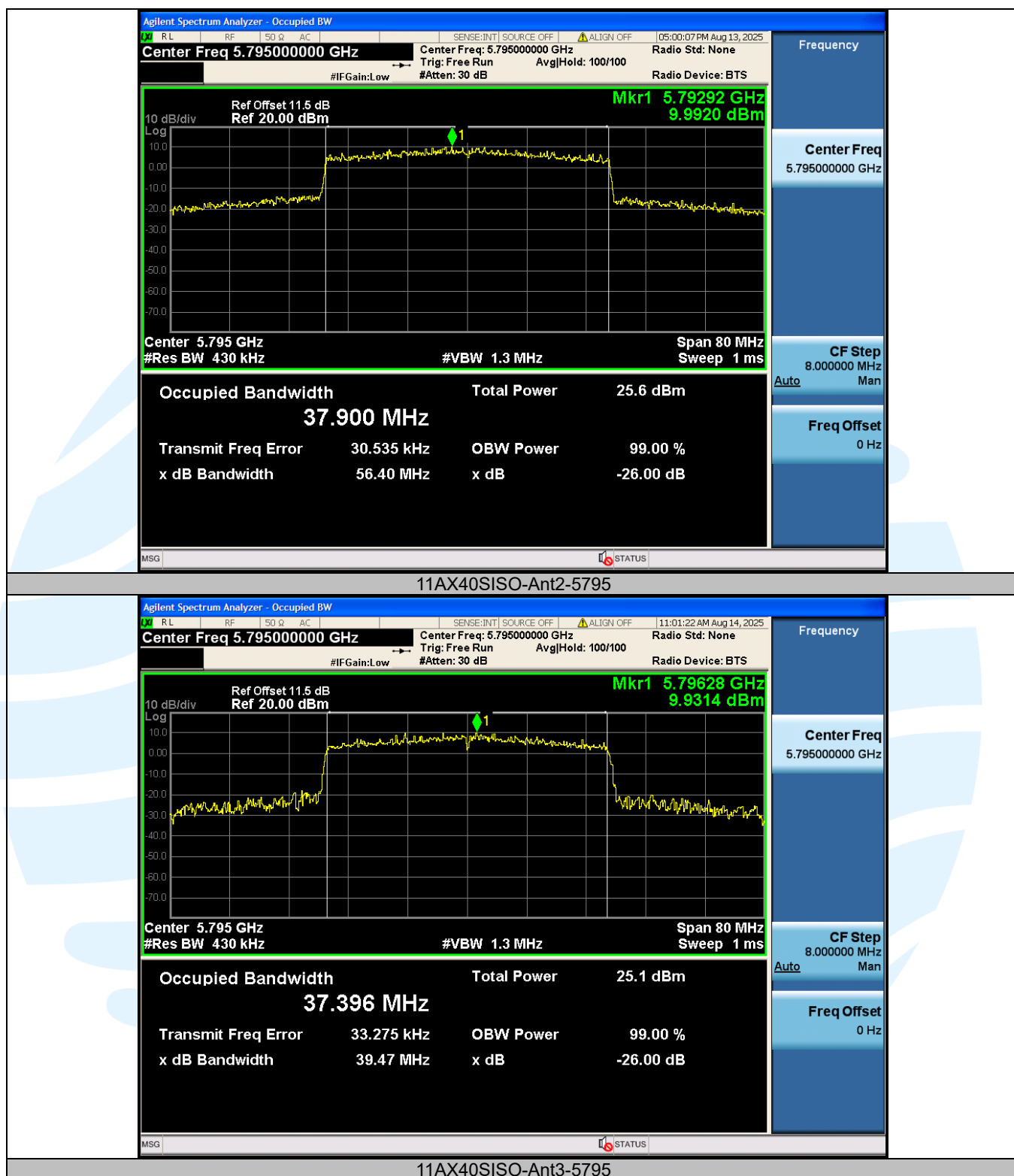
Tel: +86-755-28230888

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

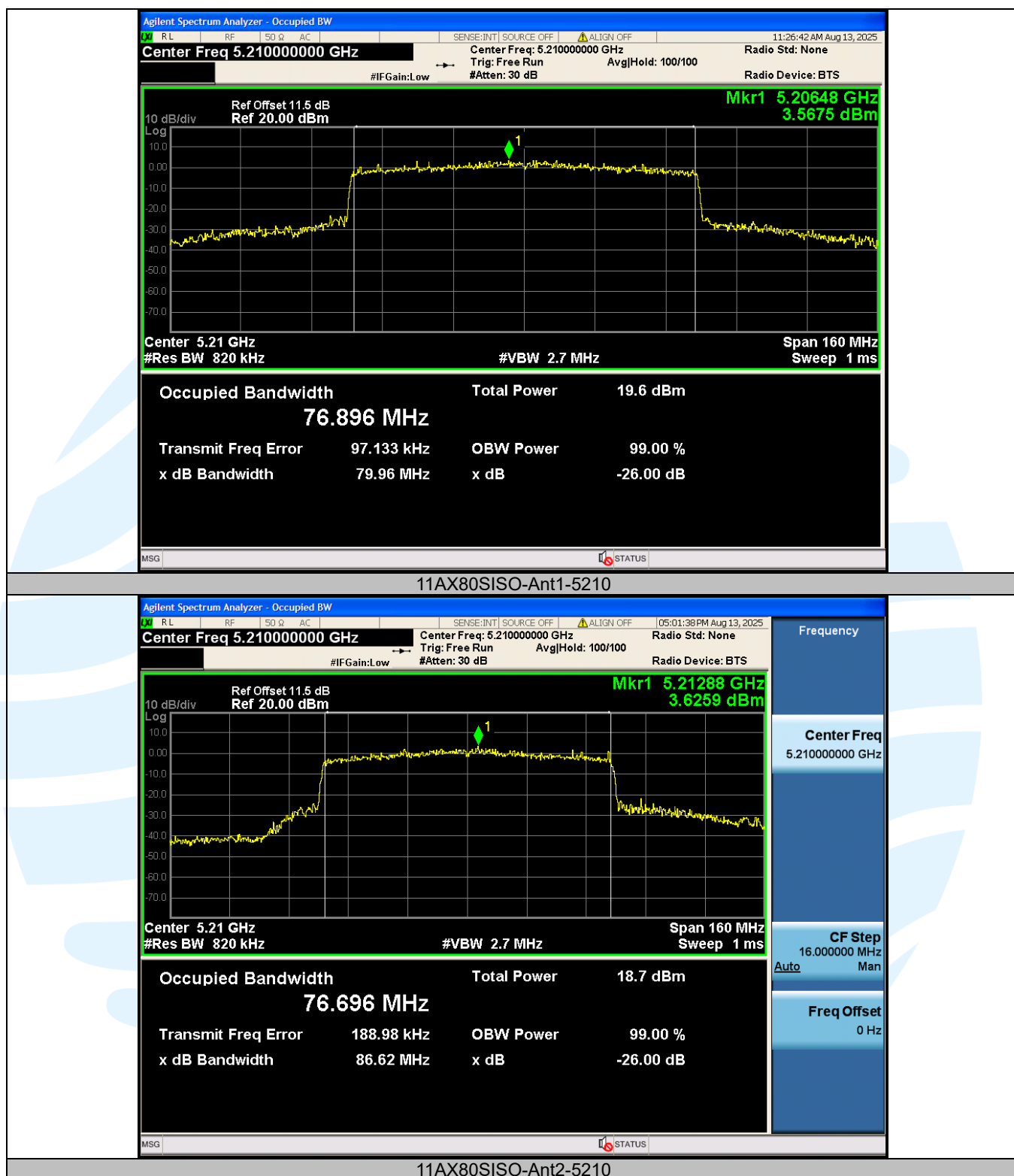
Tel: +86-755-28230888

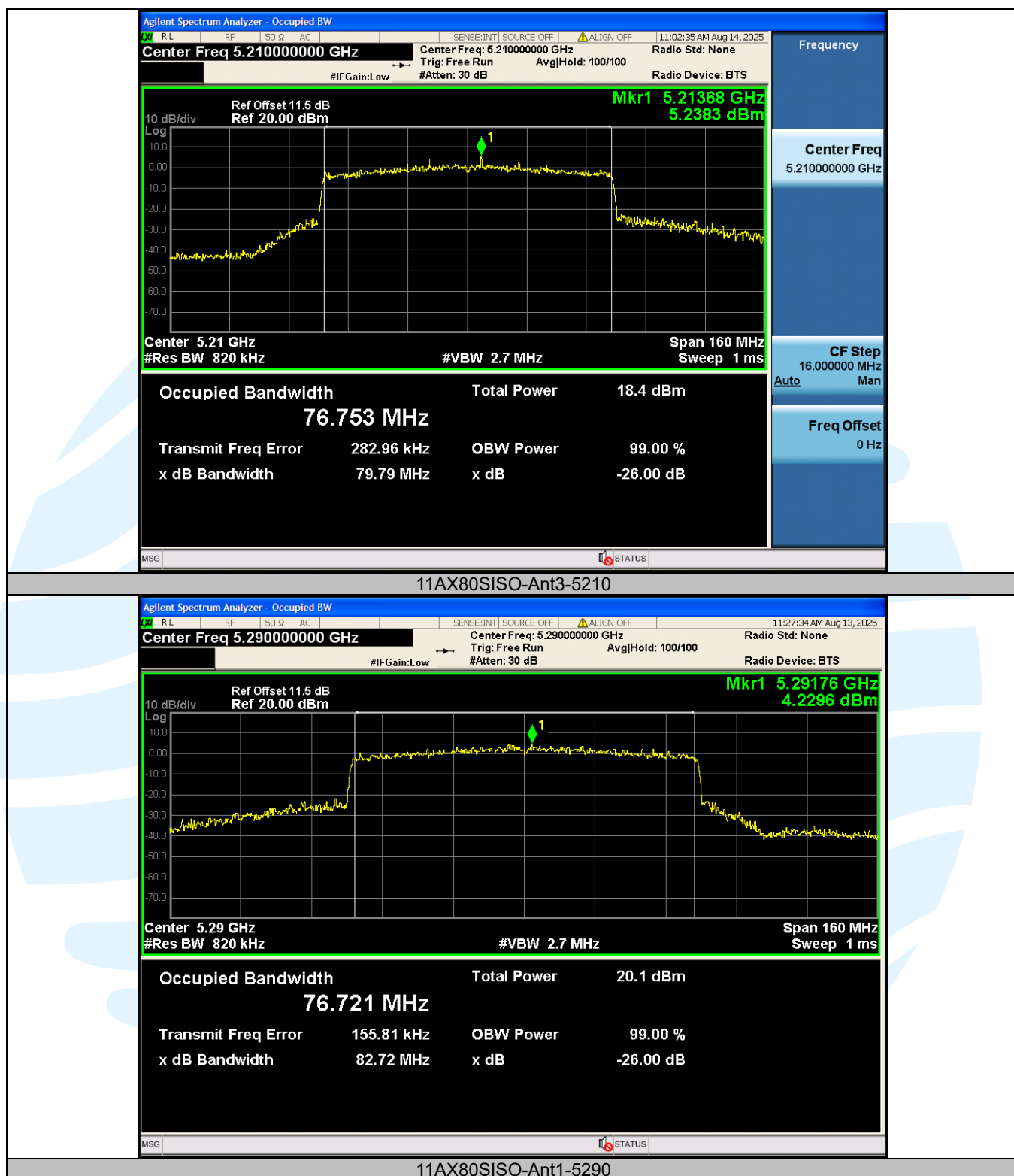
Fax: +86-755-28230886

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

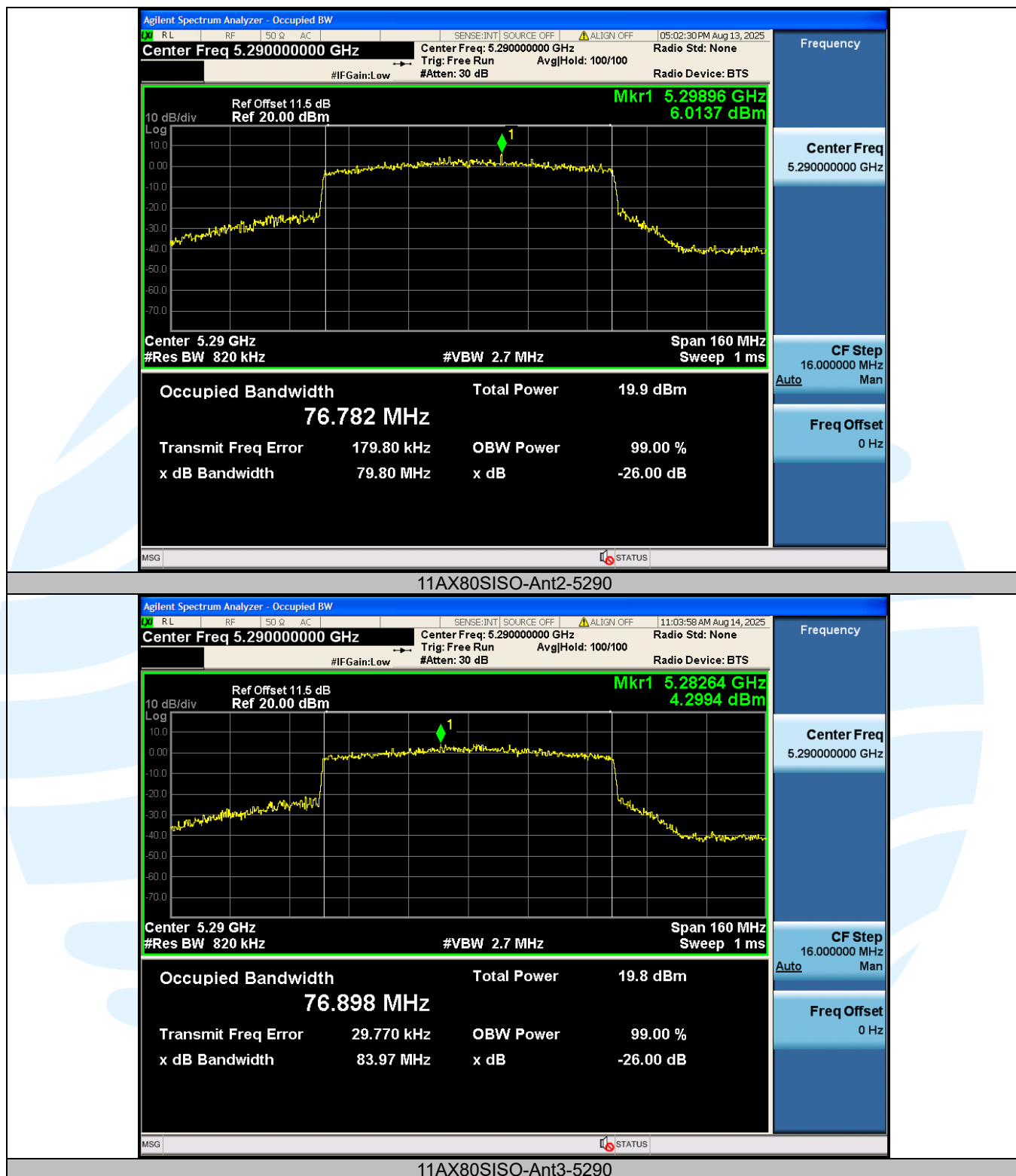
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2



11AX80SISO-Ant2-5290

Agilent Spectrum Analyzer - Occupied BW

Center Freq 5.290000000 GHz

Center Freq: 5.290000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

#IFGain: Low

#Atten: 30 dB

Ref Offset 11.5 dB

Ref 20.00 dBm

Mkr1 5.28264 GHz

4.2994 dBm

10 dB/div

Log

Center 5.29 GHz

#Res BW 820 kHz

#VBW 2.7 MHz

Span 160 MHz

Sweep 1 ms

Occupied Bandwidth

76.898 MHz

Total Power

19.8 dBm

Transmit Freq Error

29.770 kHz

OBW Power

99.00 %

x dB Bandwidth

83.97 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.290000000 GHz

CF Step

16.000000 MHz

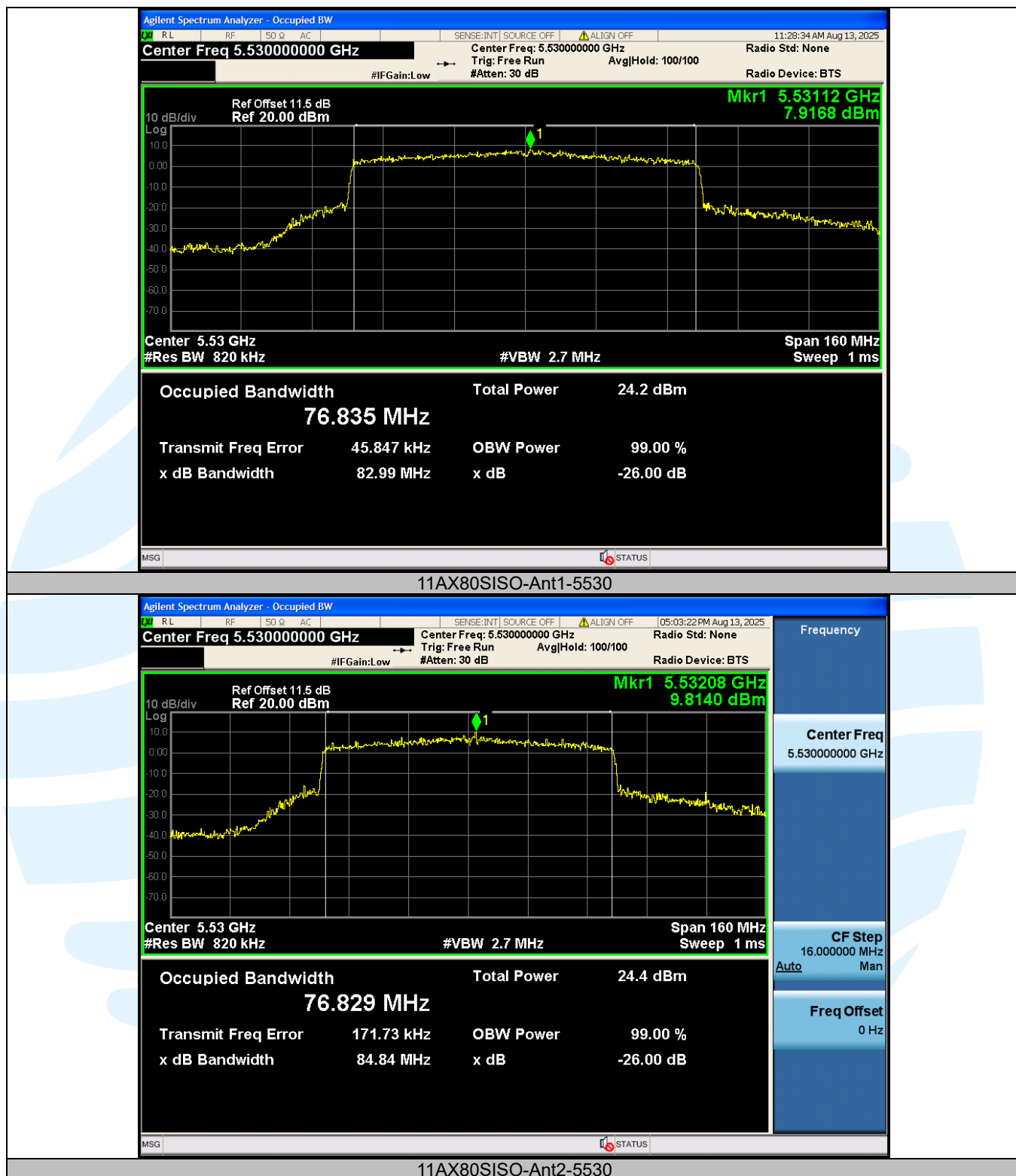
Auto

Man

Freq Offset

0 Hz

11AX80SISO-Ant3-5290



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

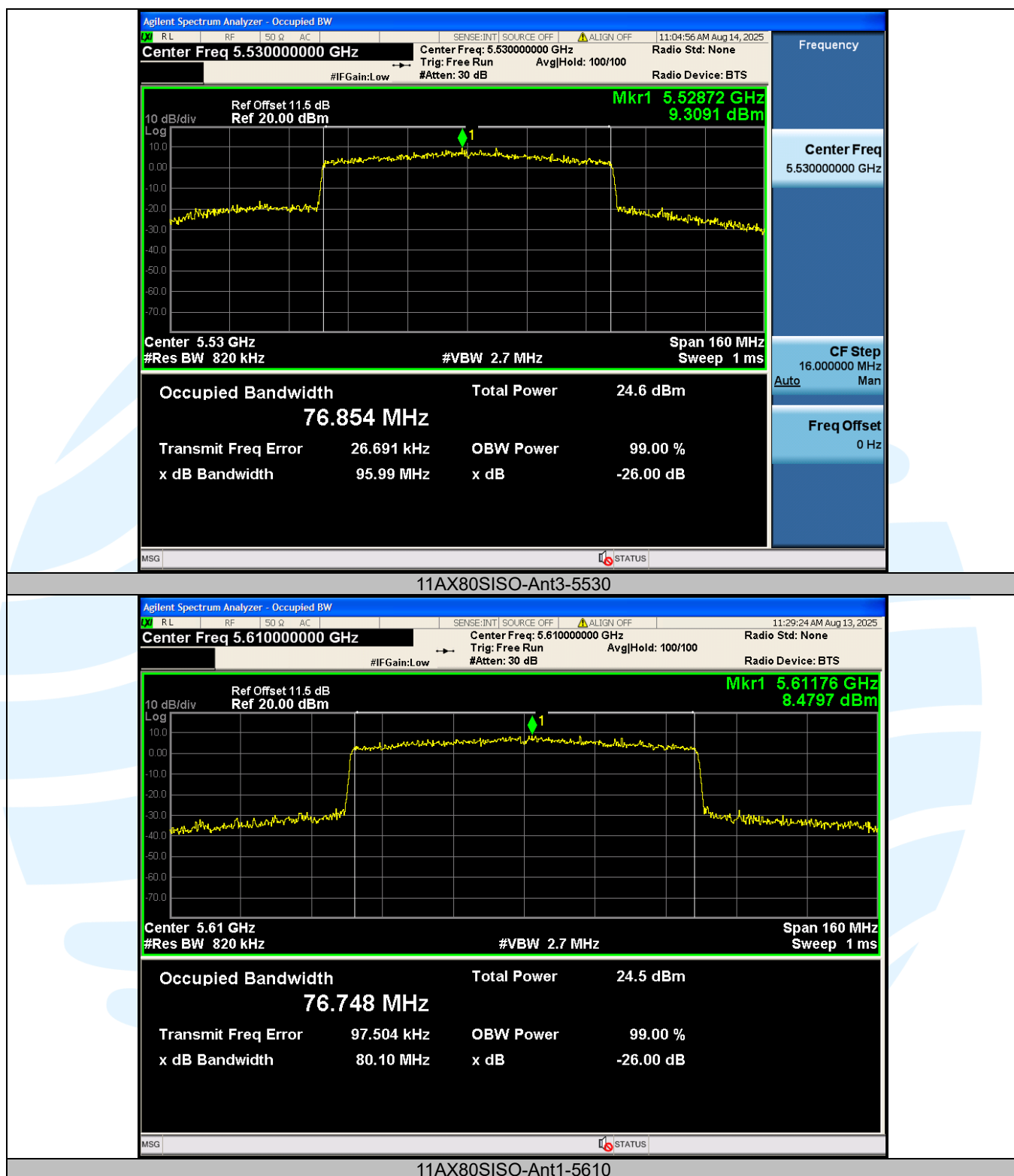
Tel: +86-755-28230888

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

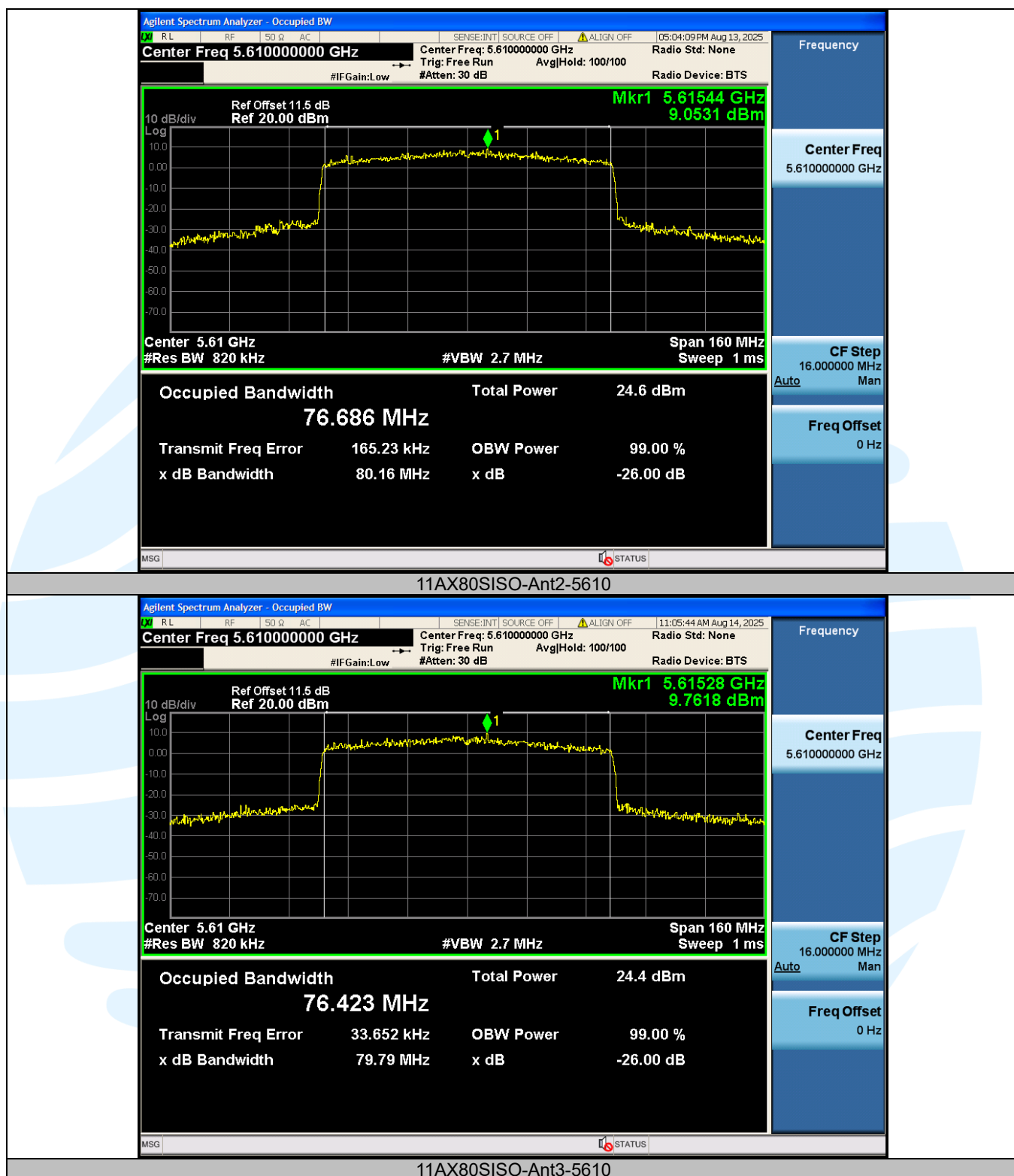
Tel: +86-755-28230888

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

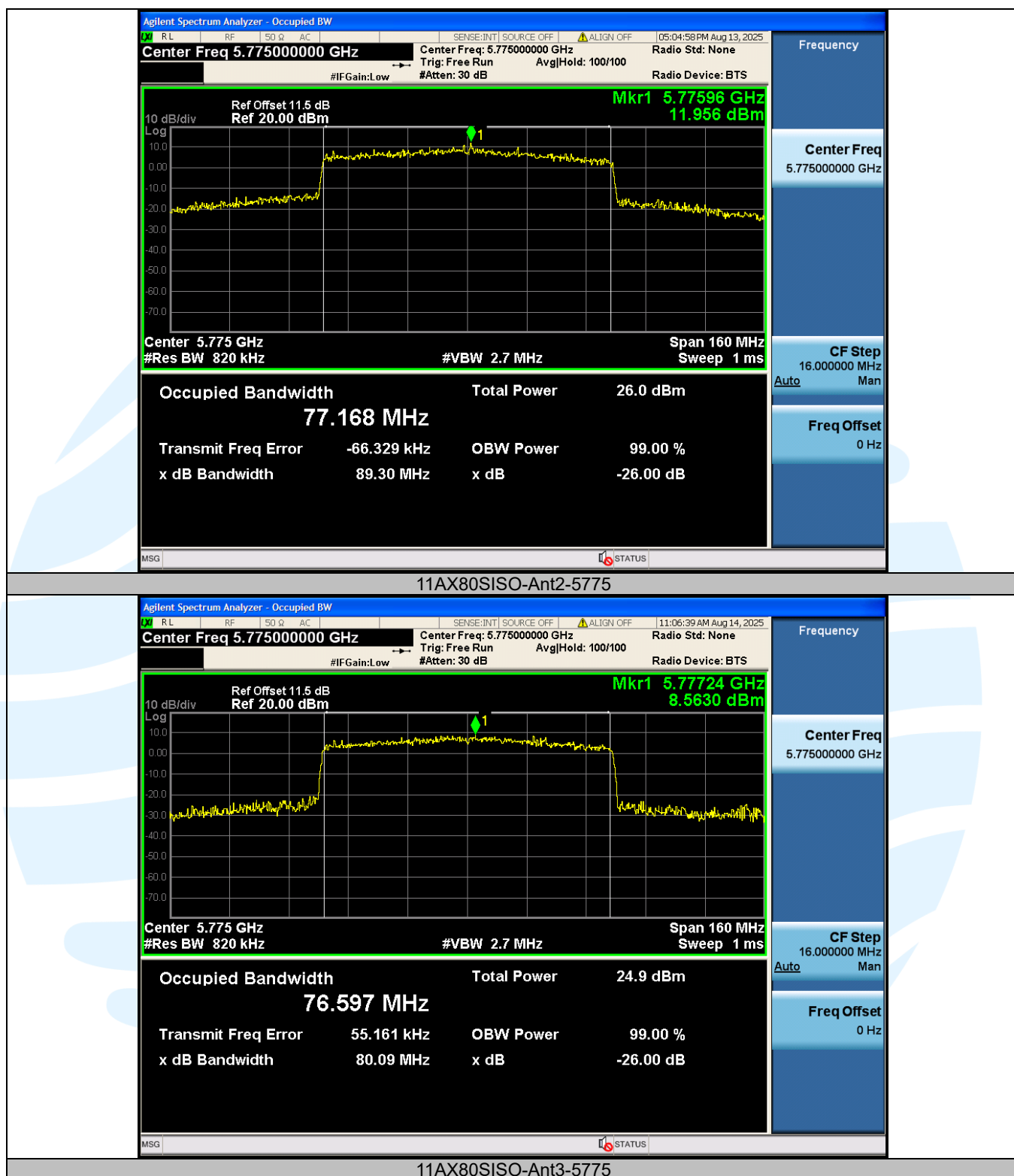
Tel: +86-755-28230888

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

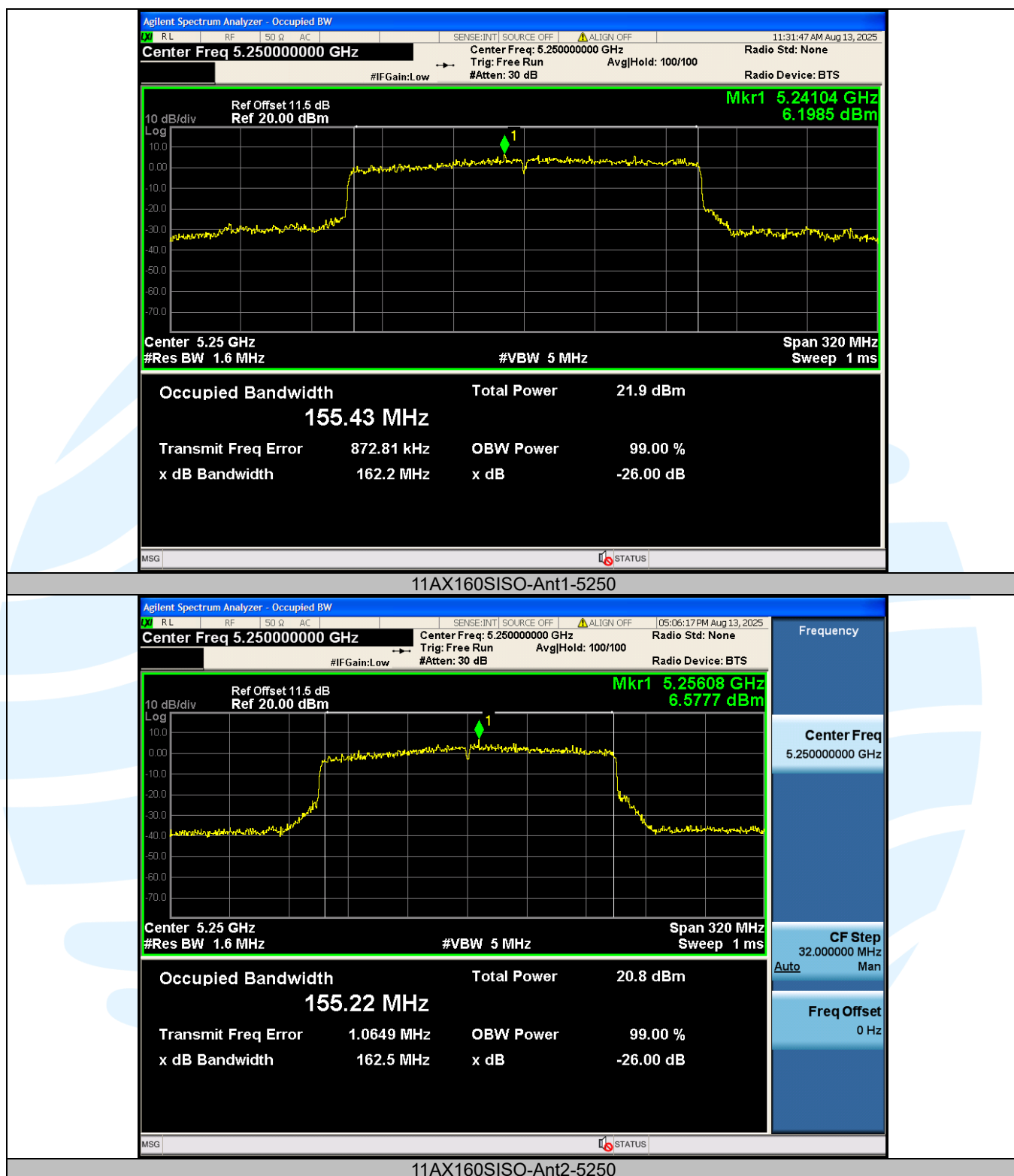
Tel: +86-755-28230888

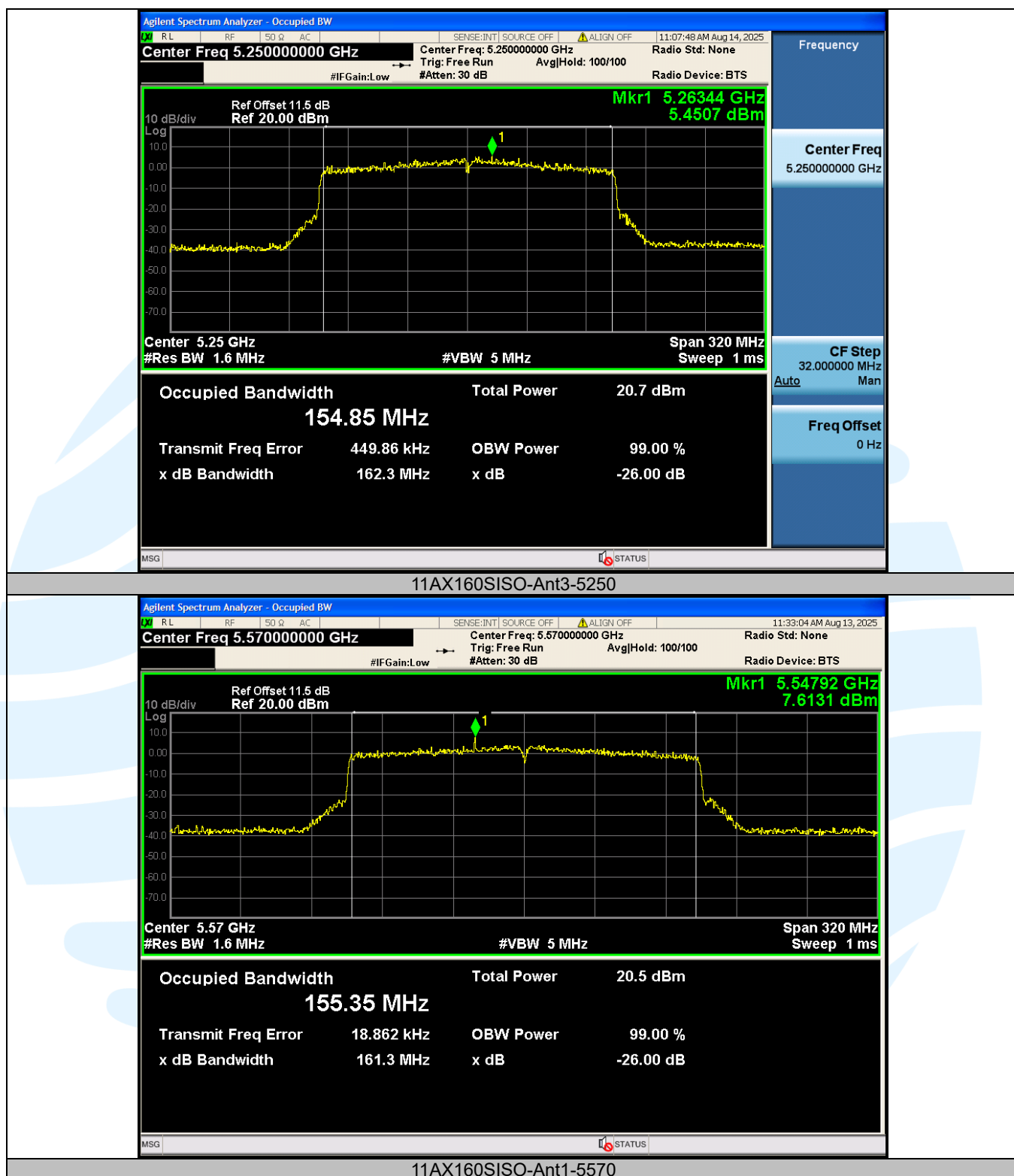
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2



**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

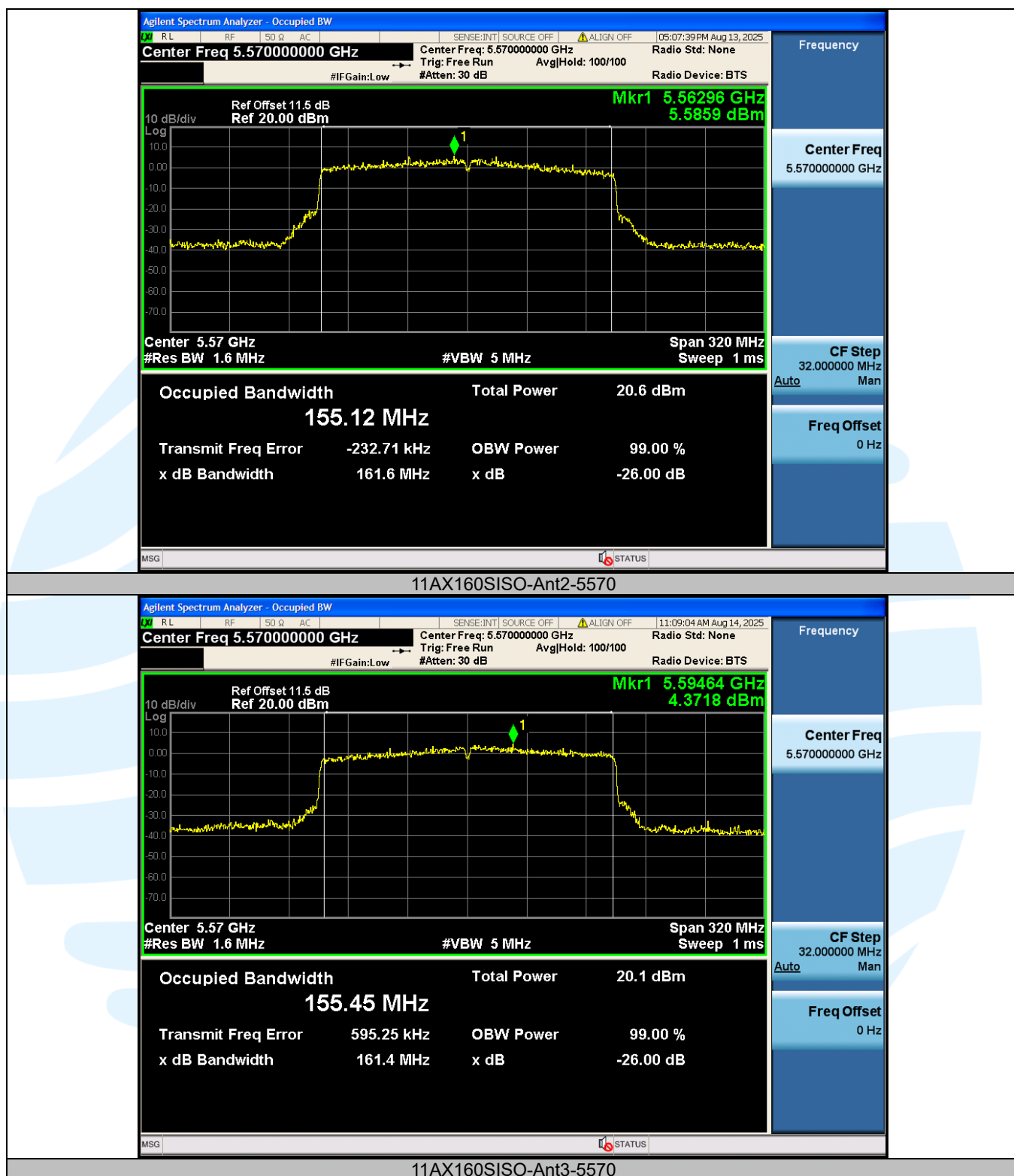
Tel: +86-755-28230888

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

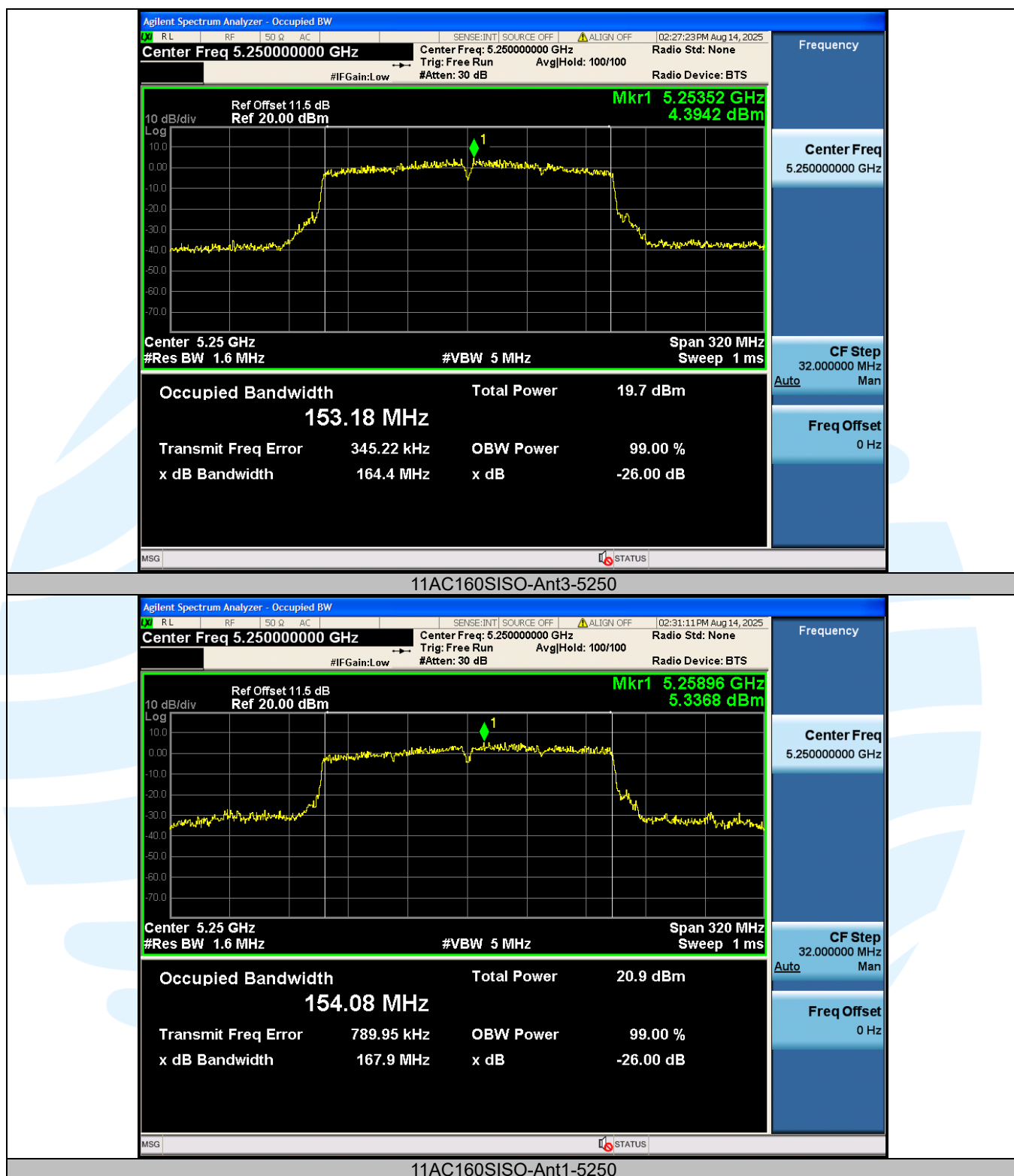
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2



11AC160SISO-Ant3-5250

Agilent Spectrum Analyzer - Occupied BW

Center Freq 5.25000000 GHz

Center Freq: 5.25000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

#IFGain: Low

#Atten: 30 dB

Ref Offset 11.5 dB

Ref 20.00 dBm

Mkr1 5.25896 GHz

5.3368 dBm

10 dB/div

Log

Center 5.25 GHz

#Res BW 1.6 MHz

#VBW 5 MHz

Span 320 MHz

Sweep 1 ms

Occupied Bandwidth

154.08 MHz

Total Power

20.9 dBm

Transmit Freq Error

789.95 kHz

OBW Power

99.00 %

x dB Bandwidth

167.9 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.25000000 GHz

CF Step

32.000000 MHz

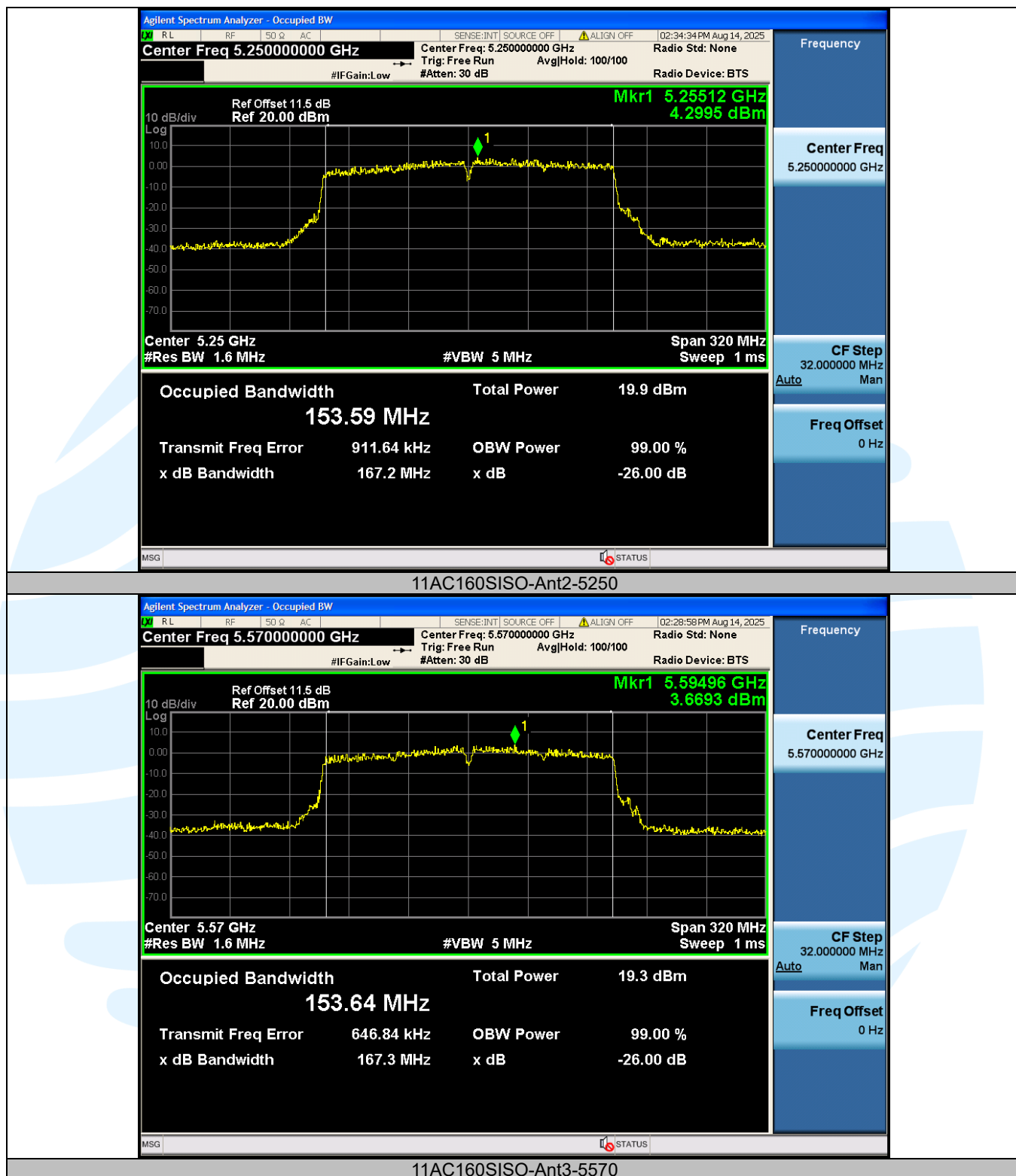
Auto

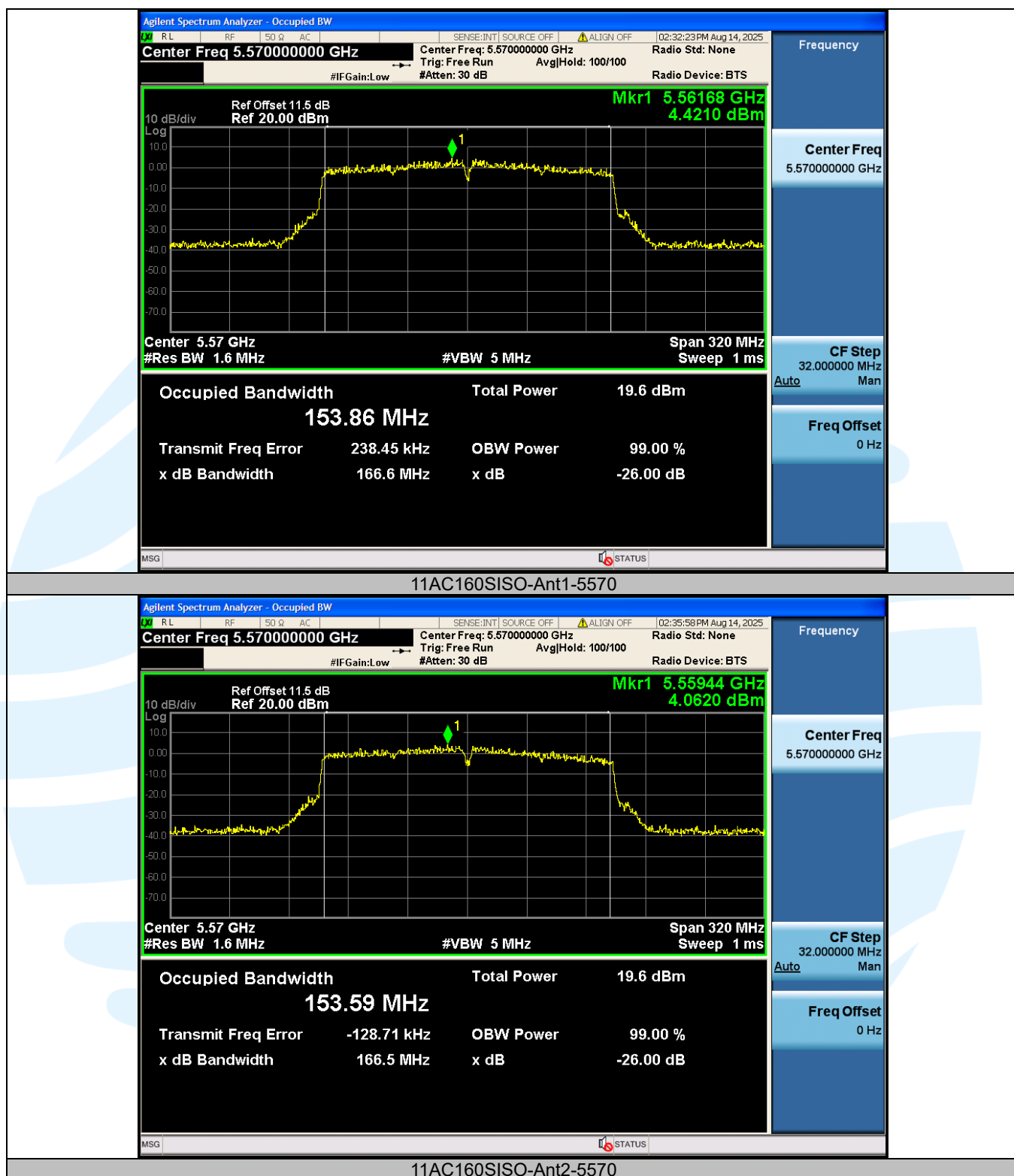
Man

Freq Offset

0 Hz

11AC160SISO-Ant1-5250





A.2 OCCUPIED CHANNEL BANDWIDTH

For U-NII-1, U-NII-2A, U-NII-2C and U-NII-3 Band:

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A	Ant1	5180	17.583	5171.1762	5188.7592	---	---
11A	Ant2	5180	17.218	5171.4792	5188.6972	---	---
11A	Ant3	5180	17.382	5171.3629	5188.7449	---	---
11A	Ant1	5220	19.425	5210.3689	5229.7939	---	---
11A	Ant2	5220	16.990	5211.5554	5228.5454	---	---
11A	Ant3	5220	16.956	5211.5427	5228.4987	---	---
11A	Ant1	5240	18.120	5231.0356	5249.1556	---	---
11A	Ant2	5240	17.086	5231.5068	5248.5928	---	---
11A	Ant3	5240	17.100	5231.4969	5248.5969	---	---
11A	Ant1	5260	17.505	5251.3087	5268.8137	---	---
11A	Ant2	5260	16.998	5251.5468	5268.5448	---	---
11A	Ant3	5260	17.005	5251.4857	5268.4907	---	---
11A	Ant1	5300	17.230	5291.4750	5308.7050	---	---
11A	Ant2	5300	17.394	5291.3897	5308.7837	---	---
11A	Ant3	5300	17.403	5291.2951	5308.6981	---	---
11A	Ant1	5320	17.191	5311.4756	5328.6666	---	---
11A	Ant2	5320	17.300	5311.3972	5328.6972	---	---
11A	Ant3	5320	17.392	5311.1939	5328.5859	---	---
11A	Ant1	5500	17.392	5491.3433	5508.7353	---	---
11A	Ant2	5500	17.458	5491.2861	5508.7441	---	---
11A	Ant3	5500	18.352	5490.7711	5509.1231	---	---
11A	Ant1	5580	17.007	5571.5124	5588.5194	---	---
11A	Ant2	5580	16.981	5571.5033	5588.4843	---	---
11A	Ant3	5580	17.218	5571.4116	5588.6296	---	---
11A	Ant1	5600	16.995	5591.5256	5608.5206	---	---
11A	Ant2	5600	17.063	5591.4572	5608.5202	---	---
11A	Ant3	5600	17.113	5591.4534	5608.5664	---	---
11A	Ant1	5700	17.301	5691.3007	5708.6017	---	---
11A	Ant2	5700	17.894	5690.9443	5708.8383	---	---
11A	Ant3	5700	17.201	5691.3580	5708.5590	---	---
11A	Ant1	5745	17.208	5736.4953	5753.7033	---	---
11A	Ant2	5745	17.513	5736.1641	5753.6771	---	---
11A	Ant3	5745	17.212	5736.4621	5753.6741	---	---
11A	Ant1	5785	16.961	5776.5166	5793.4776	---	---
11A	Ant2	5785	18.605	5775.6262	5794.2312	---	---
11A	Ant3	5785	17.002	5776.4959	5793.4979	---	---
11A	Ant1	5825	17.329	5816.2373	5833.5663	---	---
11A	Ant2	5825	17.115	5816.4396	5833.5546	---	---
11A	Ant3	5825	17.190	5816.3536	5833.5436	---	---
11N20SISO	Ant1	5180	18.353	5170.8643	5189.2173	---	---
11N20SISO	Ant2	5180	18.094	5171.0376	5189.1316	---	---
11N20SISO	Ant3	5180	18.146	5171.0031	5189.1491	---	---
11N20SISO	Ant1	5220	19.201	5210.5190	5229.7200	---	---
11N20SISO	Ant2	5220	17.840	5211.1059	5228.9459	---	---
11N20SISO	Ant3	5220	17.841	5211.1042	5228.9452	---	---
11N20SISO	Ant1	5240	18.458	5230.7965	5249.2545	---	---
11N20SISO	Ant2	5240	17.860	5231.1158	5248.9758	---	---
11N20SISO	Ant3	5240	17.845	5231.1078	5248.9528	---	---
11N20SISO	Ant1	5260	18.989	5250.6317	5269.6207	---	---
11N20SISO	Ant2	5260	17.838	5251.1202	5268.9582	---	---
11N20SISO	Ant3	5260	17.845	5251.0931	5268.9381	---	---
11N20SISO	Ant1	5300	18.369	5290.9008	5309.2698	---	---
11N20SISO	Ant2	5300	18.167	5290.9959	5309.1629	---	---
11N20SISO	Ant3	5300	18.167	5290.9245	5309.0915	---	---
11N20SISO	Ant1	5320	18.309	5310.9095	5329.2185	---	---
11N20SISO	Ant2	5320	18.173	5310.9429	5329.1159	---	---
11N20SISO	Ant3	5320	18.158	5310.8516	5329.0096	---	---
11N20SISO	Ant1	5500	18.466	5490.7981	5509.2641	---	---

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 Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11N20SISO	Ant2	5500	18.225	5490.9009	5509.1259	---	---
11N20SISO	Ant3	5500	18.084	5490.9830	5509.0670	---	---
11N20SISO	Ant1	5580	18.102	5570.9527	5589.0547	---	---
11N20SISO	Ant2	5580	17.864	5571.0685	5588.9325	---	---
11N20SISO	Ant3	5580	17.891	5571.0699	5588.9609	---	---
11N20SISO	Ant1	5600	18.097	5590.9572	5609.0542	---	---
11N20SISO	Ant2	5600	17.882	5591.0415	5608.9235	---	---
11N20SISO	Ant3	5600	17.875	5591.0679	5608.9429	---	---
11N20SISO	Ant1	5700	18.348	5690.7852	5709.1332	---	---
11N20SISO	Ant2	5700	18.161	5690.8133	5708.9743	---	---
11N20SISO	Ant3	5700	18.043	5690.9373	5708.9803	---	---
11N20SISO	Ant1	5745	18.350	5735.9318	5754.2818	---	---
11N20SISO	Ant2	5745	18.170	5735.8754	5754.0454	---	---
11N20SISO	Ant3	5745	18.042	5736.0413	5754.0833	---	---
11N20SISO	Ant1	5785	18.056	5775.9951	5794.0511	---	---
11N20SISO	Ant2	5785	18.788	5775.5898	5794.3778	---	---
11N20SISO	Ant3	5785	17.840	5776.0934	5793.9334	---	---
11N20SISO	Ant1	5825	18.433	5815.7142	5834.1472	---	---
11N20SISO	Ant2	5825	18.009	5815.9759	5833.9849	---	---
11N20SISO	Ant3	5825	18.116	5815.8906	5834.0066	---	---
11N40SISO	Ant1	5190	36.458	5171.8185	5208.2765	---	---
11N40SISO	Ant2	5190	36.385	5171.8858	5208.2708	---	---
11N40SISO	Ant3	5190	36.424	5171.9185	5208.3425	---	---
11N40SISO	Ant1	5230	36.834	5211.6503	5248.4843	---	---
11N40SISO	Ant2	5230	36.156	5212.0391	5248.1951	---	---
11N40SISO	Ant3	5230	36.171	5211.9522	5248.1232	---	---
11N40SISO	Ant1	5270	36.708	5251.7253	5288.4333	---	---
11N40SISO	Ant2	5270	36.192	5252.0037	5288.1957	---	---
11N40SISO	Ant3	5270	36.163	5252.0120	5288.1750	---	---
11N40SISO	Ant1	5310	36.534	5291.8065	5328.3405	---	---
11N40SISO	Ant2	5310	36.521	5291.7891	5328.3101	---	---
11N40SISO	Ant3	5310	36.385	5291.8857	5328.2707	---	---
11N40SISO	Ant1	5510	36.561	5491.7887	5528.3497	---	---
11N40SISO	Ant2	5510	36.460	5491.8266	5528.2866	---	---
11N40SISO	Ant3	5510	36.502	5491.7935	5528.2955	---	---
11N40SISO	Ant1	5550	36.268	5531.9146	5568.1826	---	---
11N40SISO	Ant2	5550	36.176	5531.9487	5568.1247	---	---
11N40SISO	Ant3	5550	36.538	5531.7957	5568.3337	---	---
11N40SISO	Ant1	5590	36.364	5571.8345	5608.1985	---	---
11N40SISO	Ant2	5590	36.163	5571.9777	5608.1407	---	---
11N40SISO	Ant3	5590	36.170	5571.8996	5608.0696	---	---
11N40SISO	Ant1	5670	36.700	5651.7471	5688.4471	---	---
11N40SISO	Ant2	5670	36.646	5651.6961	5688.3421	---	---
11N40SISO	Ant3	5670	36.482	5651.7287	5688.2107	---	---
11N40SISO	Ant1	5755	36.650	5736.8971	5773.5471	---	---
11N40SISO	Ant2	5755	37.056	5736.4318	5773.4878	---	---
11N40SISO	Ant3	5755	36.379	5736.8997	5773.2787	---	---
11N40SISO	Ant1	5795	36.319	5776.9196	5813.2386	---	---
11N40SISO	Ant2	5795	36.945	5776.4538	5813.3988	---	---
11N40SISO	Ant3	5795	36.350	5776.9058	5813.2558	---	---
11AC20SISO	Ant1	5180	18.336	5170.8734	5189.2094	---	---
11AC20SISO	Ant2	5180	18.102	5171.0052	5189.1072	---	---
11AC20SISO	Ant3	5180	18.458	5170.8371	5189.2951	---	---
11AC20SISO	Ant1	5220	18.636	5210.7078	5229.3438	---	---
11AC20SISO	Ant2	5220	18.109	5210.9949	5229.1039	---	---
11AC20SISO	Ant3	5220	18.088	5210.9788	5229.0668	---	---
11AC20SISO	Ant1	5240	18.335	5230.9052	5249.2402	---	---
11AC20SISO	Ant2	5240	18.039	5231.0045	5249.0435	---	---
11AC20SISO	Ant3	5240	18.056	5230.9957	5249.0517	---	---
11AC20SISO	Ant1	5260	18.371	5250.8890	5269.2600	---	---
11AC20SISO	Ant2	5260	39.646	5240.1876	5279.8336	---	---

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 Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AC20SISO	Ant3	5260	18.118	5250.9663	5269.0843	---	---
11AC20SISO	Ant1	5300	18.345	5290.9360	5309.2810	---	---
11AC20SISO	Ant2	5300	18.425	5290.8478	5309.2728	---	---
11AC20SISO	Ant3	5300	18.482	5290.7611	5309.2431	---	---
11AC20SISO	Ant1	5320	18.321	5310.8992	5329.2202	---	---
11AC20SISO	Ant2	5320	18.472	5310.7806	5329.2526	---	---
11AC20SISO	Ant3	5320	18.438	5310.7090	5329.1470	---	---
11AC20SISO	Ant1	5500	18.449	5490.8345	5509.2835	---	---
11AC20SISO	Ant2	5500	18.440	5490.8216	5509.2616	---	---
11AC20SISO	Ant3	5500	18.362	5490.8628	5509.2248	---	---
11AC20SISO	Ant1	5580	18.073	5570.9750	5589.0480	---	---
11AC20SISO	Ant2	5580	18.078	5570.9519	5589.0299	---	---
11AC20SISO	Ant3	5580	18.222	5570.9199	5589.1419	---	---
11AC20SISO	Ant1	5600	18.086	5590.9902	5609.0762	---	---
11AC20SISO	Ant2	5600	18.086	5590.9755	5609.0615	---	---
11AC20SISO	Ant3	5600	18.171	5590.9248	5609.0958	---	---
11AC20SISO	Ant1	5700	18.377	5690.7855	5709.1625	---	---
11AC20SISO	Ant2	5700	18.459	5690.6608	5709.1198	---	---
11AC20SISO	Ant3	5700	18.291	5690.8235	5709.1145	---	---
11AC20SISO	Ant1	5745	18.309	5735.9692	5754.2782	---	---
11AC20SISO	Ant2	5745	18.330	5735.8732	5754.2032	---	---
11AC20SISO	Ant3	5745	18.291	5735.9156	5754.2066	---	---
11AC20SISO	Ant1	5785	18.095	5775.9644	5794.0594	---	---
11AC20SISO	Ant2	5785	18.827	5775.5470	5794.3740	---	---
11AC20SISO	Ant3	5785	18.096	5775.9542	5794.0502	---	---
11AC20SISO	Ant1	5825	18.382	5815.7598	5834.1418	---	---
11AC20SISO	Ant2	5825	18.260	5815.8485	5834.1085	---	---
11AC20SISO	Ant3	5825	18.360	5815.7867	5834.1467	---	---
11AC40SISO	Ant1	5190	36.525	5171.8007	5208.3257	---	---
11AC40SISO	Ant2	5190	36.566	5171.8090	5208.3750	---	---
11AC40SISO	Ant3	5190	36.722	5171.7410	5208.4630	---	---
11AC40SISO	Ant1	5230	36.666	5211.7433	5248.4093	---	---
11AC40SISO	Ant2	5230	36.276	5211.9872	5248.2632	---	---
11AC40SISO	Ant3	5230	36.213	5212.0153	5248.2283	---	---
11AC40SISO	Ant1	5270	36.832	5251.6462	5288.4782	---	---
11AC40SISO	Ant2	5270	36.310	5251.9209	5288.2309	---	---
11AC40SISO	Ant3	5270	36.350	5251.9434	5288.2934	---	---
11AC40SISO	Ant1	5310	36.461	5291.8008	5328.2618	---	---
11AC40SISO	Ant2	5310	36.542	5291.8192	5328.3612	---	---
11AC40SISO	Ant3	5310	36.628	5291.7094	5328.3374	---	---
11AC40SISO	Ant1	5510	36.633	5491.7537	5528.3867	---	---
11AC40SISO	Ant2	5510	36.642	5491.7930	5528.4350	---	---
11AC40SISO	Ant3	5510	36.707	5491.6665	5528.3735	---	---
11AC40SISO	Ant1	5550	36.271	5531.8941	5568.1651	---	---
11AC40SISO	Ant2	5550	36.380	5531.8648	5568.2448	---	---
11AC40SISO	Ant3	5550	36.811	5531.6297	5568.4407	---	---
11AC40SISO	Ant1	5590	36.313	5571.8670	5608.1800	---	---
11AC40SISO	Ant2	5590	36.354	5571.8863	5608.2403	---	---
11AC40SISO	Ant3	5590	36.344	5571.8407	5608.1847	---	---
11AC40SISO	Ant1	5670	36.803	5651.6764	5688.4794	---	---
11AC40SISO	Ant2	5670	36.842	5651.6265	5688.4685	---	---
11AC40SISO	Ant3	5670	36.767	5651.5898	5688.3568	---	---
11AC40SISO	Ant1	5755	36.580	5736.9475	5773.5275	---	---
11AC40SISO	Ant2	5755	37.387	5736.1480	5773.5350	---	---
11AC40SISO	Ant3	5755	36.475	5736.8952	5773.3702	---	---
11AC40SISO	Ant1	5795	36.363	5776.9052	5813.2682	---	---
11AC40SISO	Ant2	5795	37.114	5776.3702	5813.4842	---	---
11AC40SISO	Ant3	5795	36.465	5776.8311	5813.2961	---	---
11AC80SISO	Ant1	5210	75.274	5172.4740	5247.7480	---	---
11AC80SISO	Ant2	5210	75.342	5172.6088	5247.9508	---	---
11AC80SISO	Ant3	5210	75.311	5172.6714	5247.9824	---	---

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 Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AC80SISO	Ant1	5290	75.284	5252.4950	5327.7790	---	---
11AC80SISO	Ant2	5290	75.201	5252.6092	5327.8102	---	---
11AC80SISO	Ant3	5290	75.369	5252.4220	5327.7910	---	---
11AC80SISO	Ant1	5530	75.297	5492.4827	5567.7797	---	---
11AC80SISO	Ant2	5530	75.417	5492.5080	5567.9250	---	---
11AC80SISO	Ant3	5530	75.448	5492.2552	5567.7032	---	---
11AC80SISO	Ant1	5610	74.944	5572.6572	5647.6012	---	---
11AC80SISO	Ant2	5610	74.980	5572.6446	5647.6246	---	---
11AC80SISO	Ant3	5610	74.941	5572.5181	5647.4591	---	---
11AC80SISO	Ant1	5775	74.973	5737.7508	5812.7238	---	---
11AC80SISO	Ant2	5775	75.787	5736.9628	5812.7498	---	---
11AC80SISO	Ant3	5775	75.124	5737.5092	5812.6332	---	---
11AC160SISO	Ant1	5250	154.53	5173.8047	5328.3347	---	---
11AC160SISO	Ant2	5250	154.01	5174.0070	5328.0170	---	---
11AC160SISO	Ant3	5250	153.96	5173.4422	5327.4022	---	---
11AC160SISO	Ant1	5250 UNII-1	76.195	5173.8047	5250	---	---
11AC160SISO	Ant2	5250 UNII-1	75.993	5174.0070	5250	---	---
11AC160SISO	Ant3	5250 UNII-1	76.558	5173.4422	5250	---	---
11AC160SISO	Ant1	5250 UNII-2A	78.335	5250	5328.3347	---	---
11AC160SISO	Ant2	5250 UNII-2A	78.017	5250	5328.0170	---	---
11AC160SISO	Ant3	5250 UNII-2A	77.402	5250	5327.4022	---	---
11AC160SISO	Ant1	5570	154.12	5492.9596	5647.0796	---	---
11AC160SISO	Ant2	5570	153.72	5492.6411	5646.3611	---	---
11AC160SISO	Ant3	5570	154.27	5493.4873	5647.7573	---	---
11AX20SISO	Ant1	5180	19.252	5170.3984	5189.6504	---	---
11AX20SISO	Ant2	5180	19.276	5170.4081	5189.6841	---	---
11AX20SISO	Ant3	5180	19.293	5170.3954	5189.6884	---	---
11AX20SISO	Ant1	5220	19.407	5210.3681	5229.7751	---	---
11AX20SISO	Ant2	5220	19.077	5210.4938	5229.5708	---	---
11AX20SISO	Ant3	5220	19.136	5210.4791	5229.6151	---	---
11AX20SISO	Ant1	5240	19.030	5230.5174	5249.5474	---	---
11AX20SISO	Ant2	5240	18.946	5230.5585	5249.5045	---	---
11AX20SISO	Ant3	5240	18.947	5230.5553	5249.5023	---	---
11AX20SISO	Ant1	5260	19.180	5250.4545	5269.6345	---	---
11AX20SISO	Ant2	5260	19.109	5250.4732	5269.5822	---	---
11AX20SISO	Ant3	5260	19.148	5250.4305	5269.5785	---	---
11AX20SISO	Ant1	5300	19.193	5290.4679	5309.6609	---	---
11AX20SISO	Ant2	5300	19.247	5290.4476	5309.6946	---	---
11AX20SISO	Ant3	5300	19.284	5290.3875	5309.6715	---	---
11AX20SISO	Ant1	5320	19.208	5310.4232	5329.6312	---	---
11AX20SISO	Ant2	5320	19.219	5310.4022	5329.6212	---	---
11AX20SISO	Ant3	5320	19.339	5310.3286	5329.6676	---	---
11AX20SISO	Ant1	5500	19.256	5490.4054	5509.6614	---	---
11AX20SISO	Ant2	5500	19.234	5490.4080	5509.6420	---	---
11AX20SISO	Ant3	5500	19.213	5490.4235	5509.6365	---	---
11AX20SISO	Ant1	5580	19.110	5570.4518	5589.5618	---	---
11AX20SISO	Ant2	5580	19.094	5570.4619	5589.5559	---	---
11AX20SISO	Ant3	5580	19.109	5570.4705	5589.5795	---	---
11AX20SISO	Ant1	5600	19.165	5590.4209	5609.5859	---	---
11AX20SISO	Ant3	5600	19.128	5590.4673	5609.5953	---	---
11AX20SISO	Ant1	5700	19.274	5690.3384	5709.6124	---	---
11AX20SISO	Ant2	5700	19.236	5690.3336	5709.5696	---	---
11AX20SISO	Ant3	5700	19.249	5690.3817	5709.6307	---	---
11AX20SISO	Ant1	5745	19.262	5735.4213	5754.6833	---	---
11AX20SISO	Ant2	5745	19.521	5735.2077	5754.7287	---	---
11AX20SISO	Ant3	5745	19.224	5735.4466	5754.6706	---	---
11AX20SISO	Ant1	5785	19.161	5775.4386	5794.5996	---	---
11AX20SISO	Ant2	5785	19.386	5775.2888	5794.6748	---	---
11AX20SISO	Ant3	5785	19.187	5775.4608	5794.6478	---	---
11AX20SISO	Ant1	5825	19.323	5815.3288	5834.6518	---	---
11AX20SISO	Ant2	5825	19.198	5815.4062	5834.6042	---	---

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 Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AX20SISO	Ant3	5825	19.227	5815.3972	5834.6242	---	---
11AX40SISO	Ant1	5190	37.683	5171.2248	5208.9078	---	---
11AX40SISO	Ant2	5190	37.739	5171.2431	5208.9821	---	---
11AX40SISO	Ant3	5190	37.708	5171.2642	5208.9722	---	---
11AX40SISO	Ant1	5230	37.929	5211.1331	5249.0621	---	---
11AX40SISO	Ant2	5230	37.641	5211.2175	5248.8585	---	---
11AX40SISO	Ant3	5230	37.602	5211.2953	5248.8973	---	---
11AX40SISO	Ant1	5270	37.920	5251.1621	5289.0821	---	---
11AX40SISO	Ant2	5270	37.673	5251.2574	5288.9304	---	---
11AX40SISO	Ant3	5270	37.471	5251.3390	5288.8100	---	---
11AX40SISO	Ant1	5310	37.655	5291.2409	5328.8959	---	---
11AX40SISO	Ant2	5310	37.751	5291.1693	5328.9203	---	---
11AX40SISO	Ant3	5310	37.814	5291.1286	5328.9426	---	---
11AX40SISO	Ant1	5510	37.758	5491.1892	5528.9472	---	---
11AX40SISO	Ant2	5510	37.831	5491.1362	5528.9672	---	---
11AX40SISO	Ant3	5510	37.797	5491.1388	5528.9358	---	---
11AX40SISO	Ant1	5550	37.638	5531.2105	5568.8485	---	---
11AX40SISO	Ant2	5550	37.566	5531.2932	5568.8592	---	---
11AX40SISO	Ant3	5550	37.828	5531.1466	5568.9746	---	---
11AX40SISO	Ant1	5590	37.573	5571.2664	5608.8394	---	---
11AX40SISO	Ant2	5590	37.516	5571.3224	5608.8384	---	---
11AX40SISO	Ant3	5590	37.491	5571.2719	5608.7629	---	---
11AX40SISO	Ant1	5670	37.886	5651.1157	5689.0017	---	---
11AX40SISO	Ant2	5670	37.883	5651.1235	5689.0065	---	---
11AX40SISO	Ant3	5670	37.782	5651.0893	5688.8713	---	---
11AX40SISO	Ant1	5755	37.754	5736.2433	5773.9973	---	---
11AX40SISO	Ant2	5755	38.077	5735.9561	5774.0331	---	---
11AX40SISO	Ant3	5755	37.790	5736.2120	5774.0020	---	---
11AX40SISO	Ant1	5795	37.531	5776.2925	5813.8235	---	---
11AX40SISO	Ant2	5795	38.004	5775.9809	5813.9849	---	---
11AX40SISO	Ant3	5795	37.666	5776.2044	5813.8704	---	---
11AX80SISO	Ant1	5210	76.843	5171.6819	5248.5249	---	---
11AX80SISO	Ant2	5210	76.868	5171.8221	5248.6901	---	---
11AX80SISO	Ant3	5210	77.032	5171.8092	5248.8412	---	---
11AX80SISO	Ant1	5290	76.784	5251.7885	5328.5725	---	---
11AX80SISO	Ant2	5290	77.021	5251.5684	5328.5894	---	---
11AX80SISO	Ant3	5290	76.959	5251.5740	5328.5330	---	---
11AX80SISO	Ant1	5530	76.944	5491.6337	5568.5777	---	---
11AX80SISO	Ant2	5530	77.082	5491.7612	5568.8432	---	---
11AX80SISO	Ant3	5530	77.025	5491.5300	5568.5550	---	---
11AX80SISO	Ant1	5610	76.670	5571.7676	5648.4376	---	---
11AX80SISO	Ant2	5610	76.597	5571.8929	5648.4899	---	---
11AX80SISO	Ant3	5610	76.712	5571.6092	5648.3212	---	---
11AX80SISO	Ant1	5775	76.693	5736.8797	5813.5727	---	---
11AX80SISO	Ant2	5775	77.489	5735.9987	5813.4877	---	---
11AX80SISO	Ant3	5775	76.910	5736.6732	5813.5832	---	---
11AX160SISO	Ant1	5250	156.25	5172.8493	5329.0993	---	---
11AX160SISO	Ant2	5250	155.84	5173.0378	5328.8778	---	---
11AX160SISO	Ant3	5250	155.64	5172.4718	5328.1118	---	---
11AX160SISO	Ant1	5250_UNII-1	77.151	5172.8493	5250	---	---
11AX160SISO	Ant2	5250_UNII-1	76.962	5173.0378	5250	---	---
11AX160SISO	Ant3	5250_UNII-1	77.528	5172.4718	5250	---	---
11AX160SISO	Ant1	5250_UNII-2A	79.099	5250	5329.0993	---	---
11AX160SISO	Ant2	5250_UNII-2A	78.878	5250	5328.8778	---	---
11AX160SISO	Ant3	5250_UNII-2A	78.112	5250	5328.1118	---	---
11AX160SISO	Ant1	5570	155.80	5492.1441	5647.9441	---	---
11AX160SISO	Ant2	5570	155.34	5491.7527	5647.0927	---	---
11AX160SISO	Ant3	5570	155.93	5492.5280	5648.4580	---	---

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

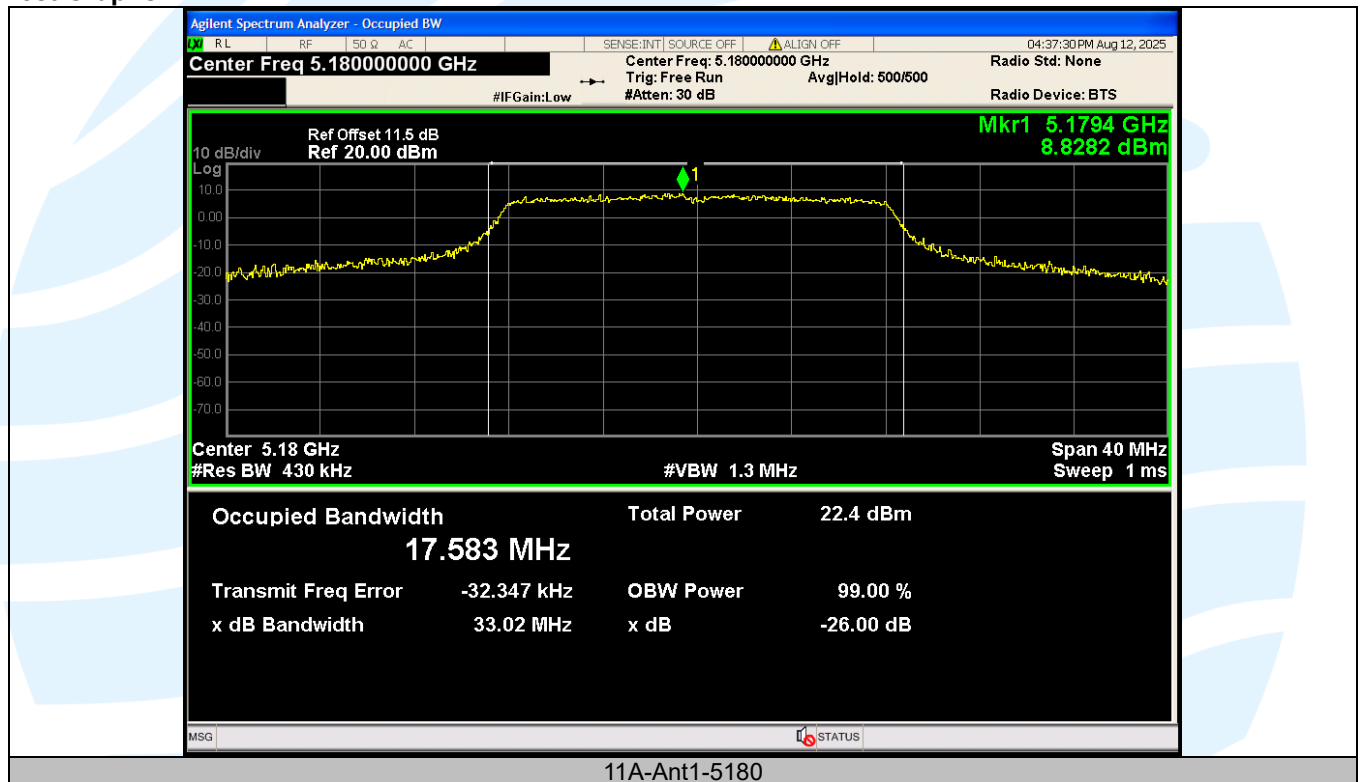
Fax: +86-755-28230886

E-mail: info@uttlab.com
<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11AC160SISO	Ant3	5250	153.83	5173.4511	5327.2811	---	---
11AC160SISO	Ant1	5250	154.38	5173.8954	5328.2754	---	---
11AC160SISO	Ant2	5250	154.54	5173.8450	5328.3850	---	---
11AC160SISO	Ant3	5250 UNII-1	76.549	5173.4511	5250	---	---
11AC160SISO	Ant1	5250 UNII-1	76.105	5173.8954	5250	---	---
11AC160SISO	Ant2	5250 UNII-1	76.155	5173.8450	5250	---	---
11AC160SISO	Ant3	5250 UNII-2A	77.281	5250	5327.2811	---	---
11AC160SISO	Ant1	5250 UNII-2A	78.275	5250	5328.2754	---	---
11AC160SISO	Ant2	5250 UNII-2A	78.385	5250	5328.3850	---	---
11AC160SISO	Ant3	5570	154.06	5493.6461	5647.7061	---	---
11AC160SISO	Ant1	5570	154.19	5492.9944	5647.1844	---	---
11AC160SISO	Ant2	5570	153.82	5492.5714	5646.3914	---	---

Test Graphs



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

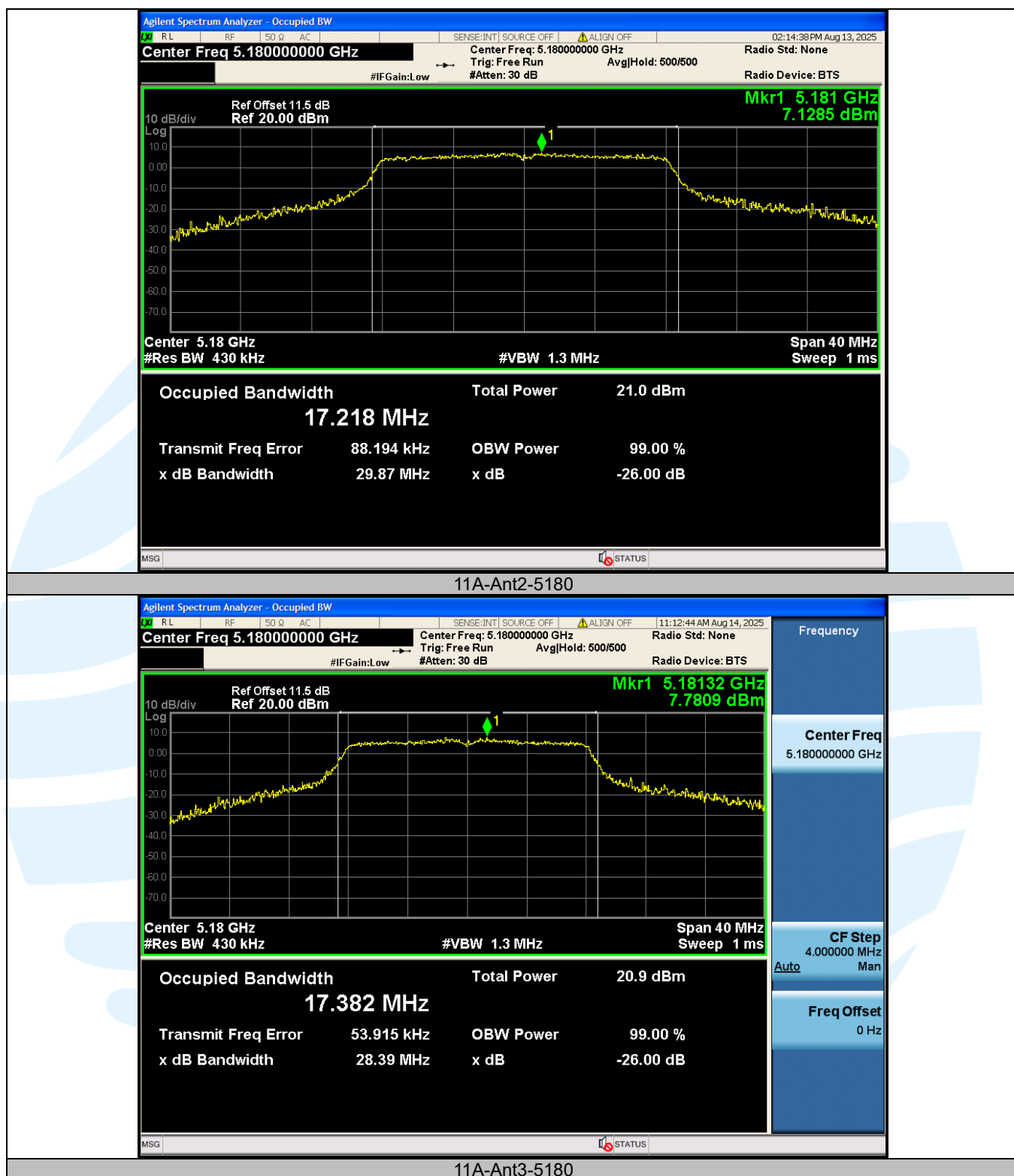
Tel: +86-755-28230888

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

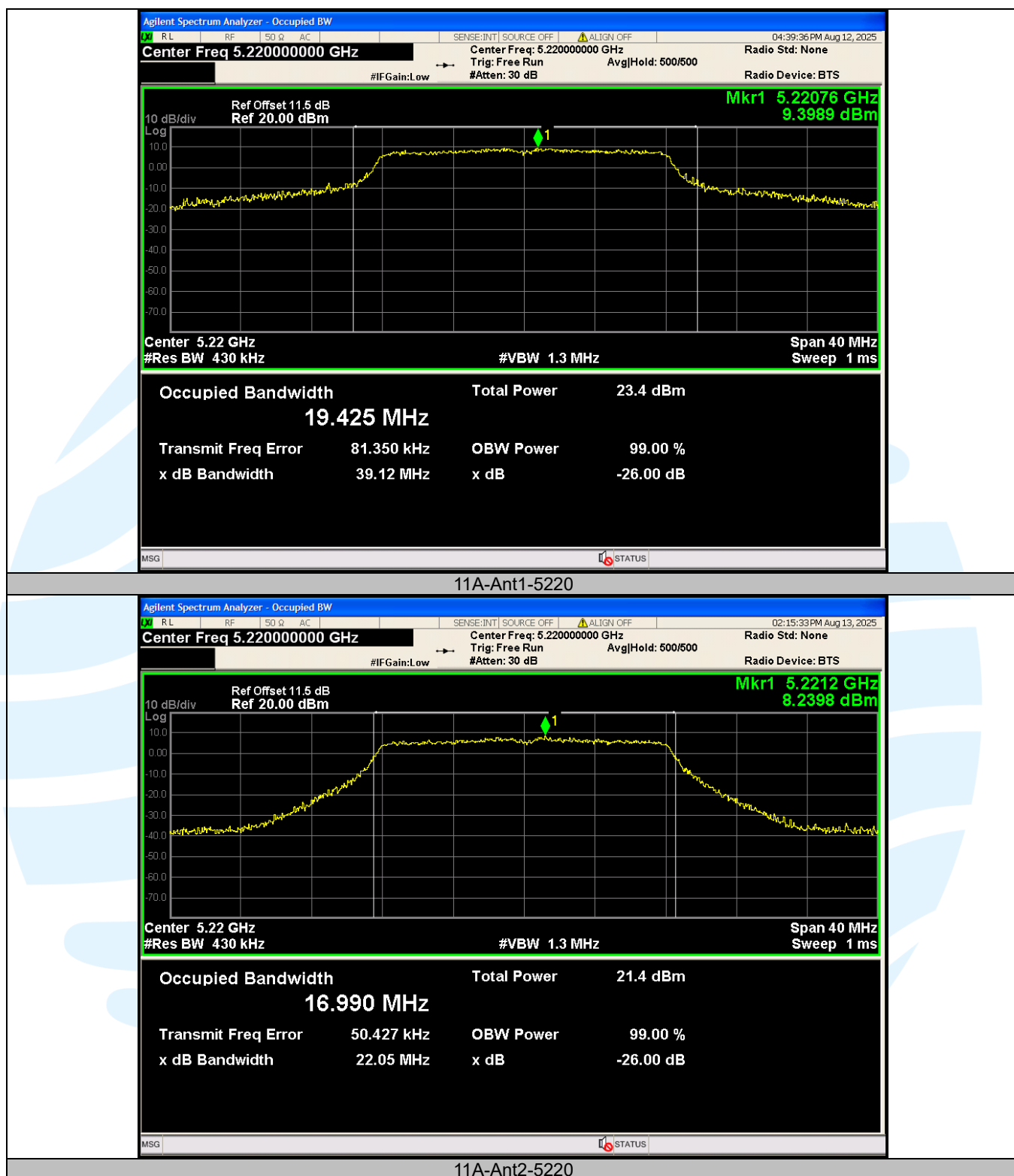
Tel: +86-755-28230888

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

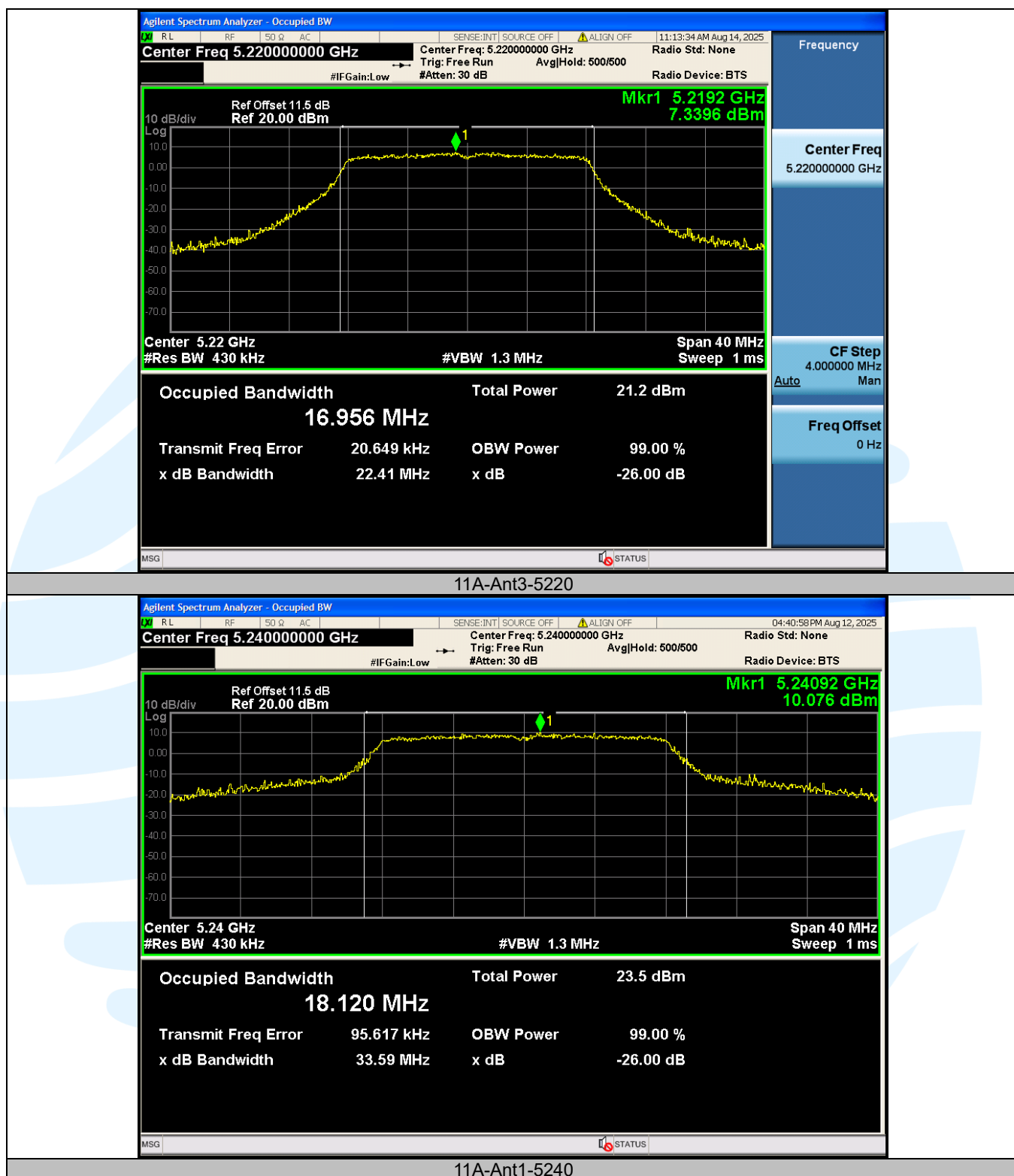
Tel: +86-755-28230888

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

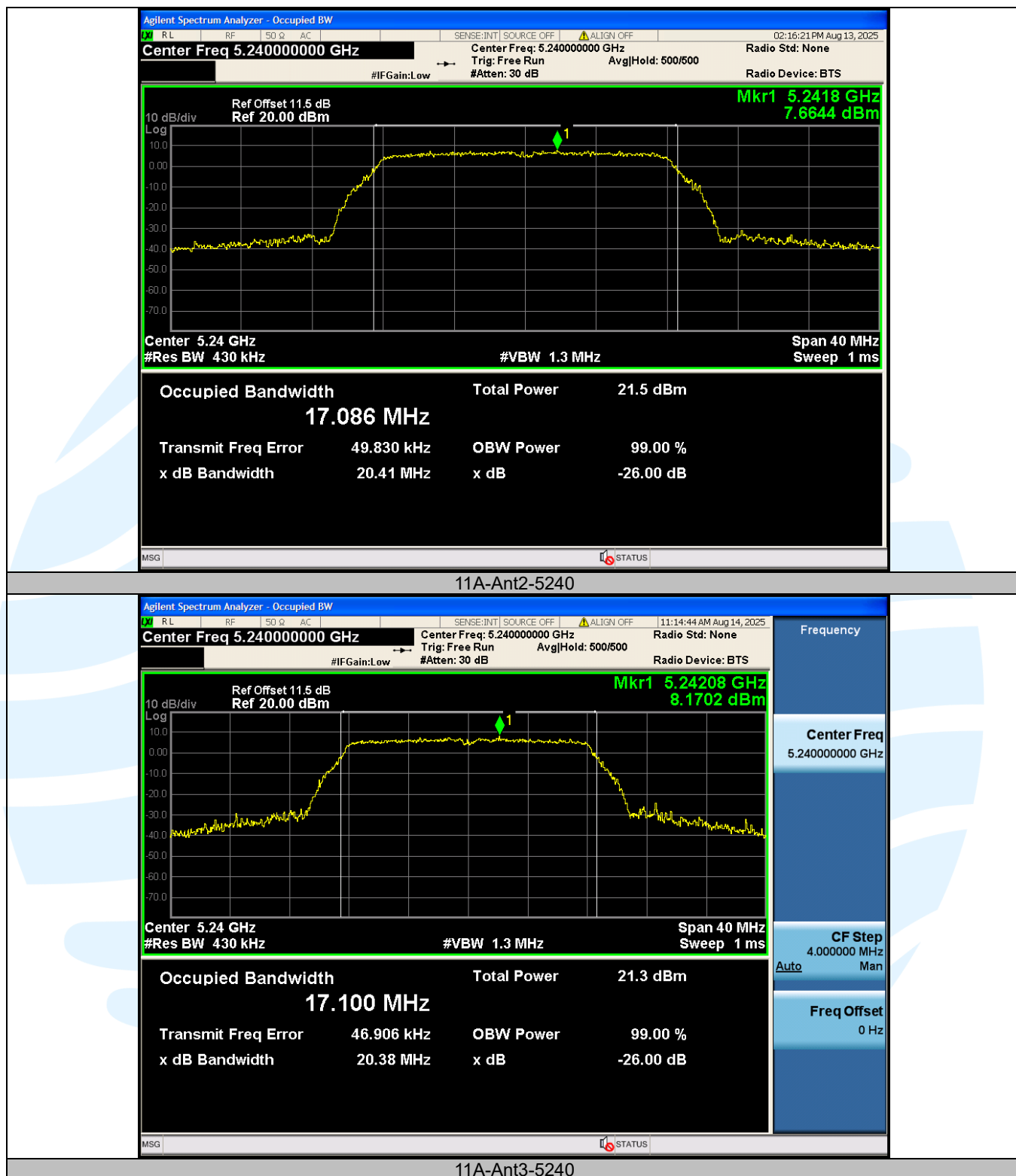
Tel: +86-755-28230888

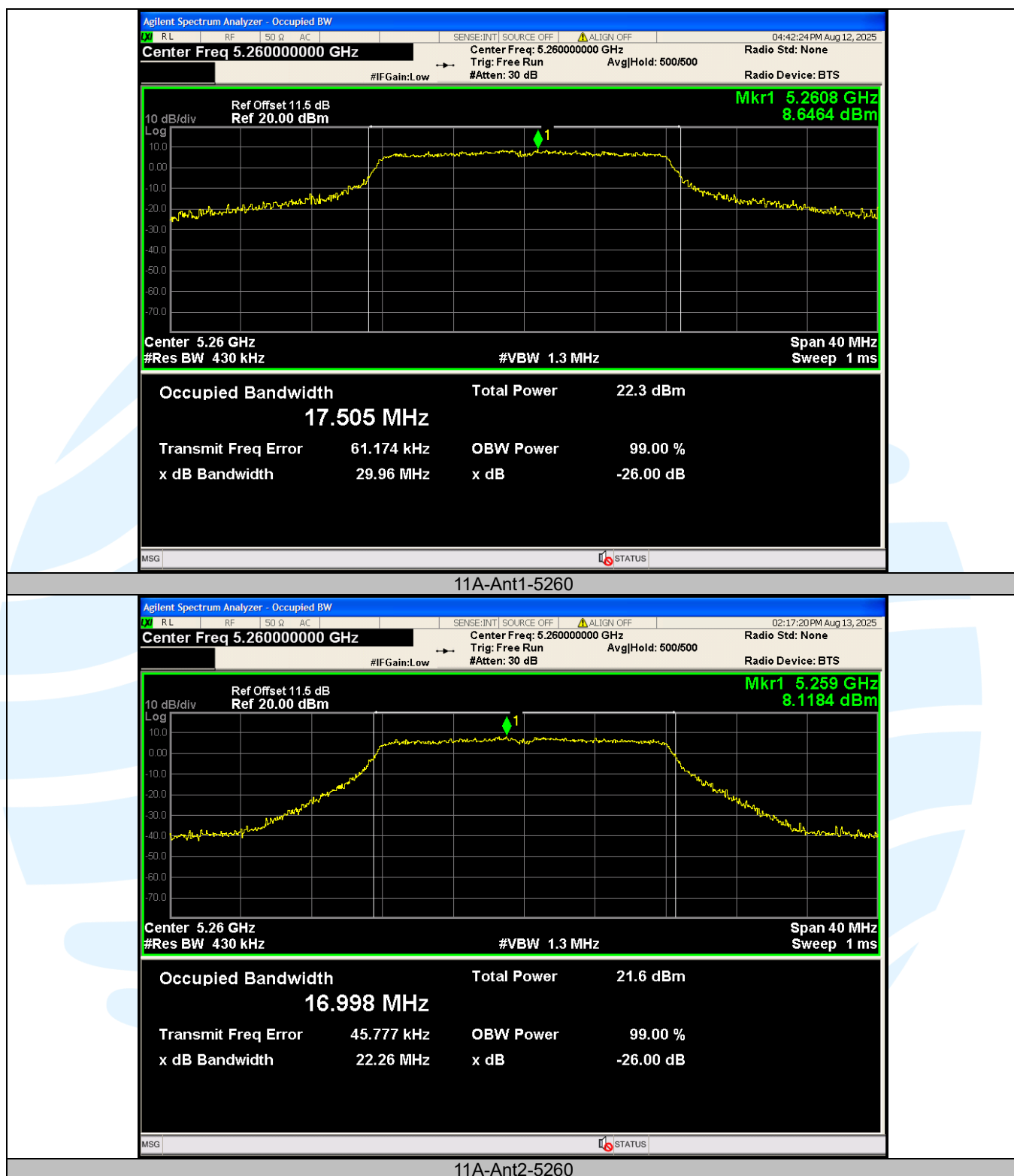
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2



**Shenzhen UnionTrust Quality and Technology Co., Ltd.**

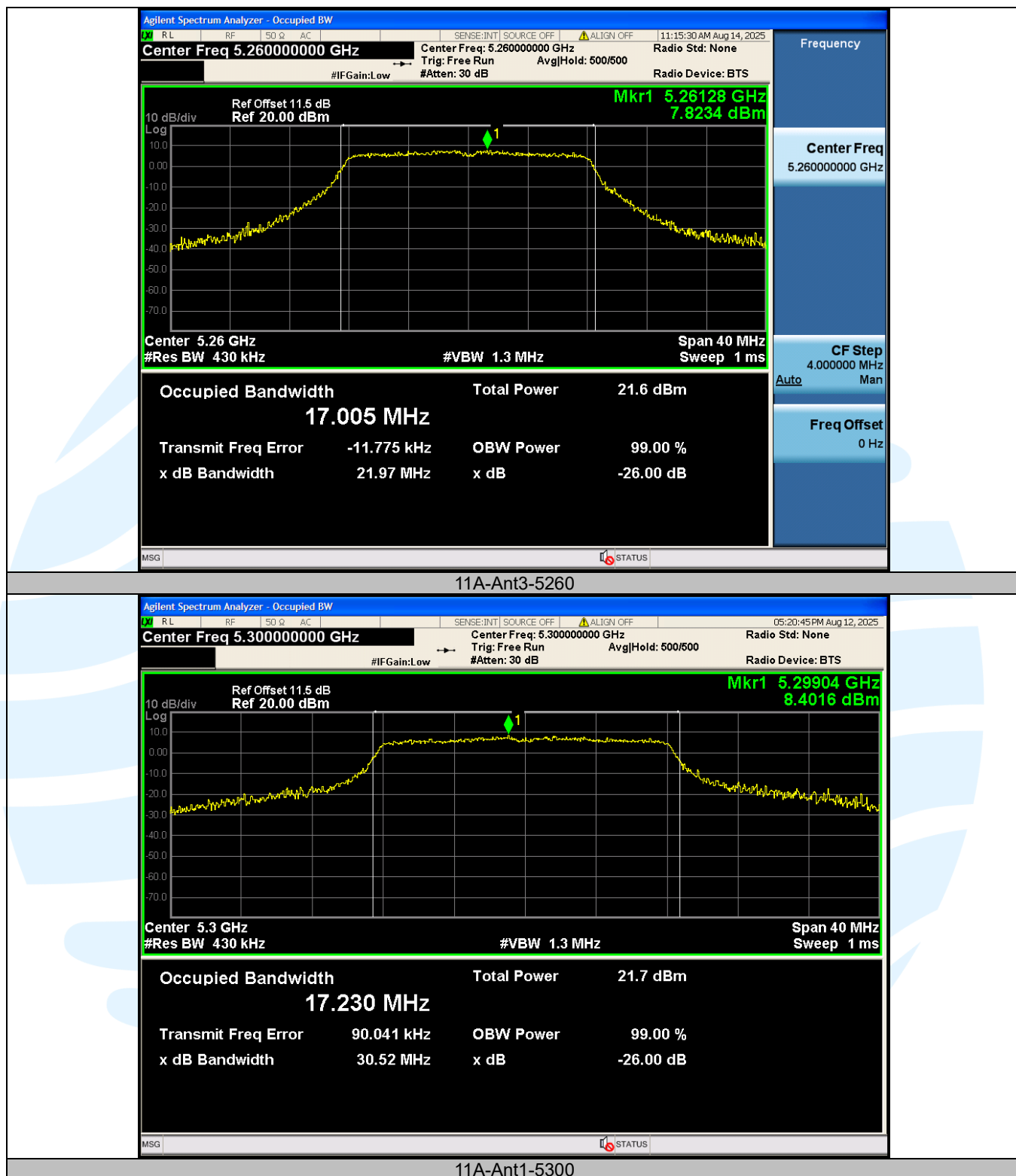
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

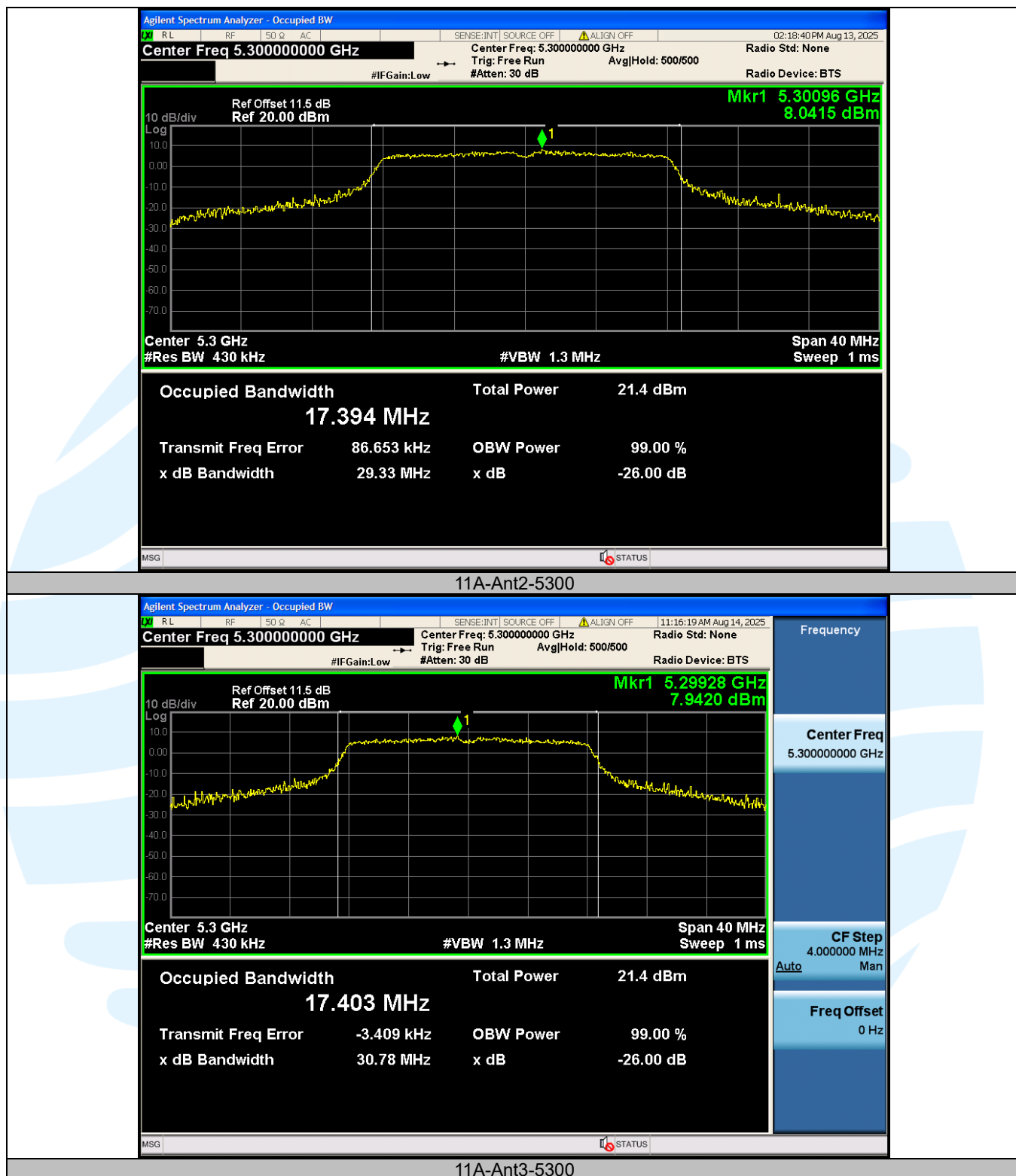
Tel: +86-755-28230888

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.

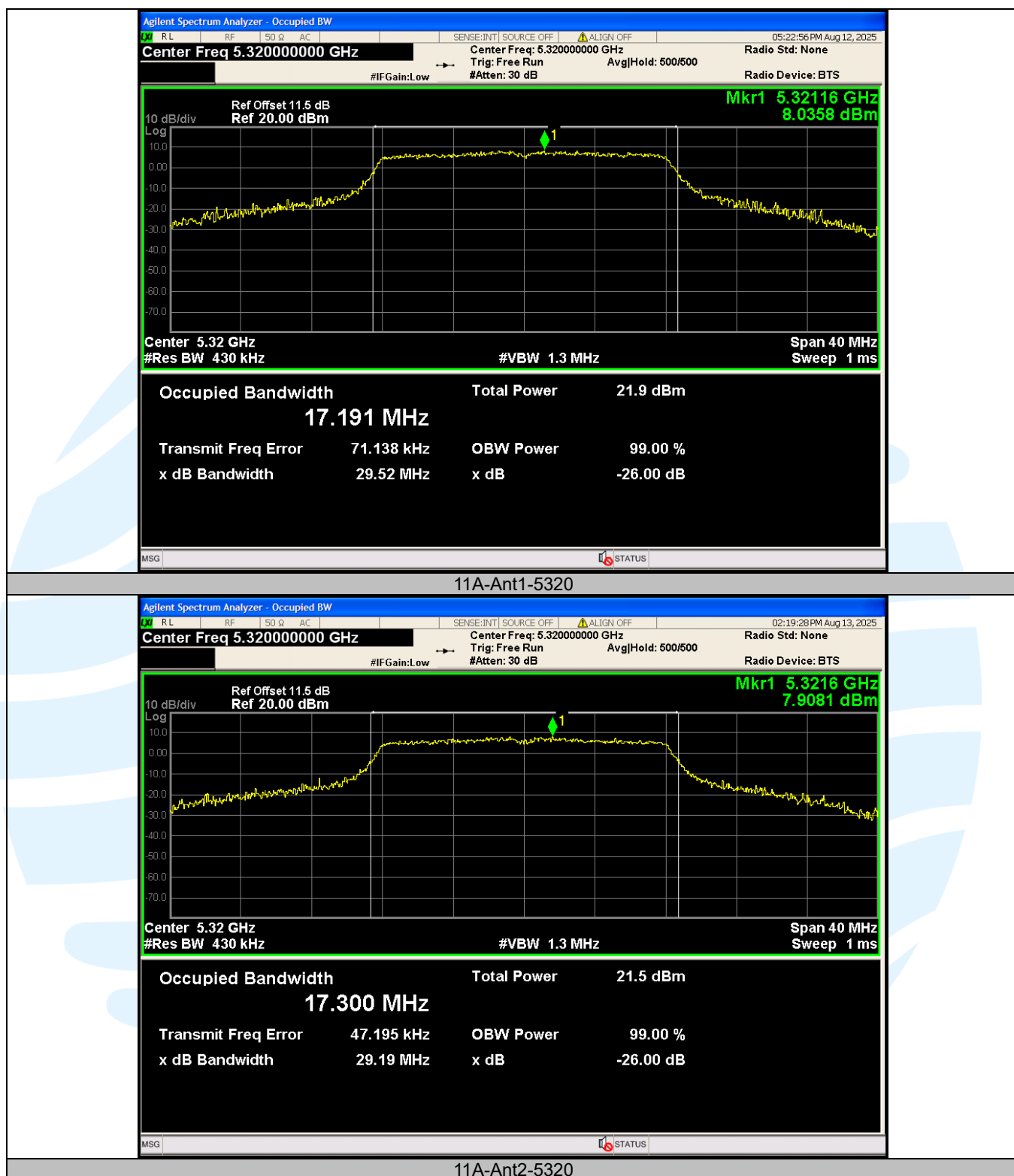
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

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.**

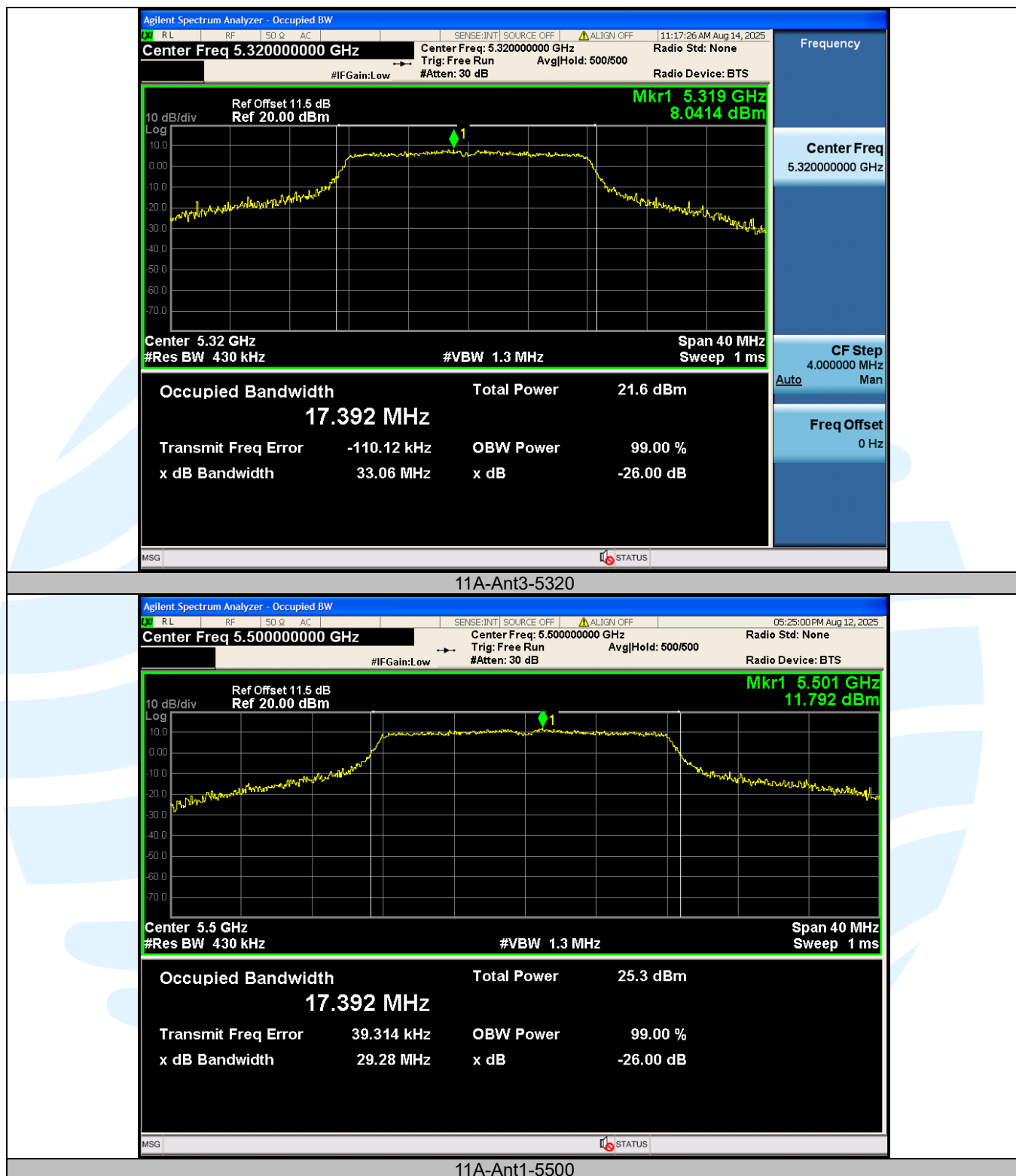
Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

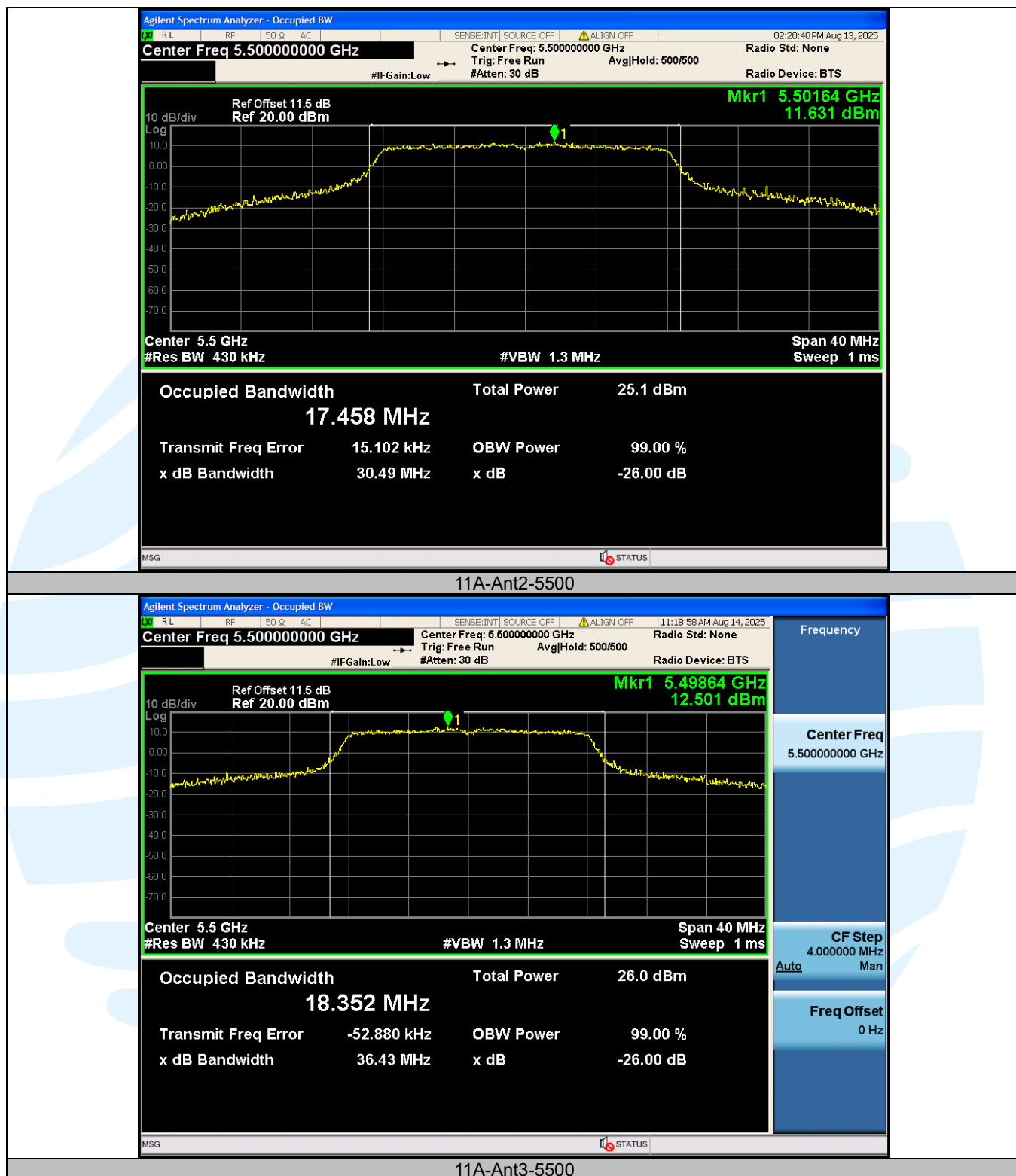
Tel: +86-755-28230888

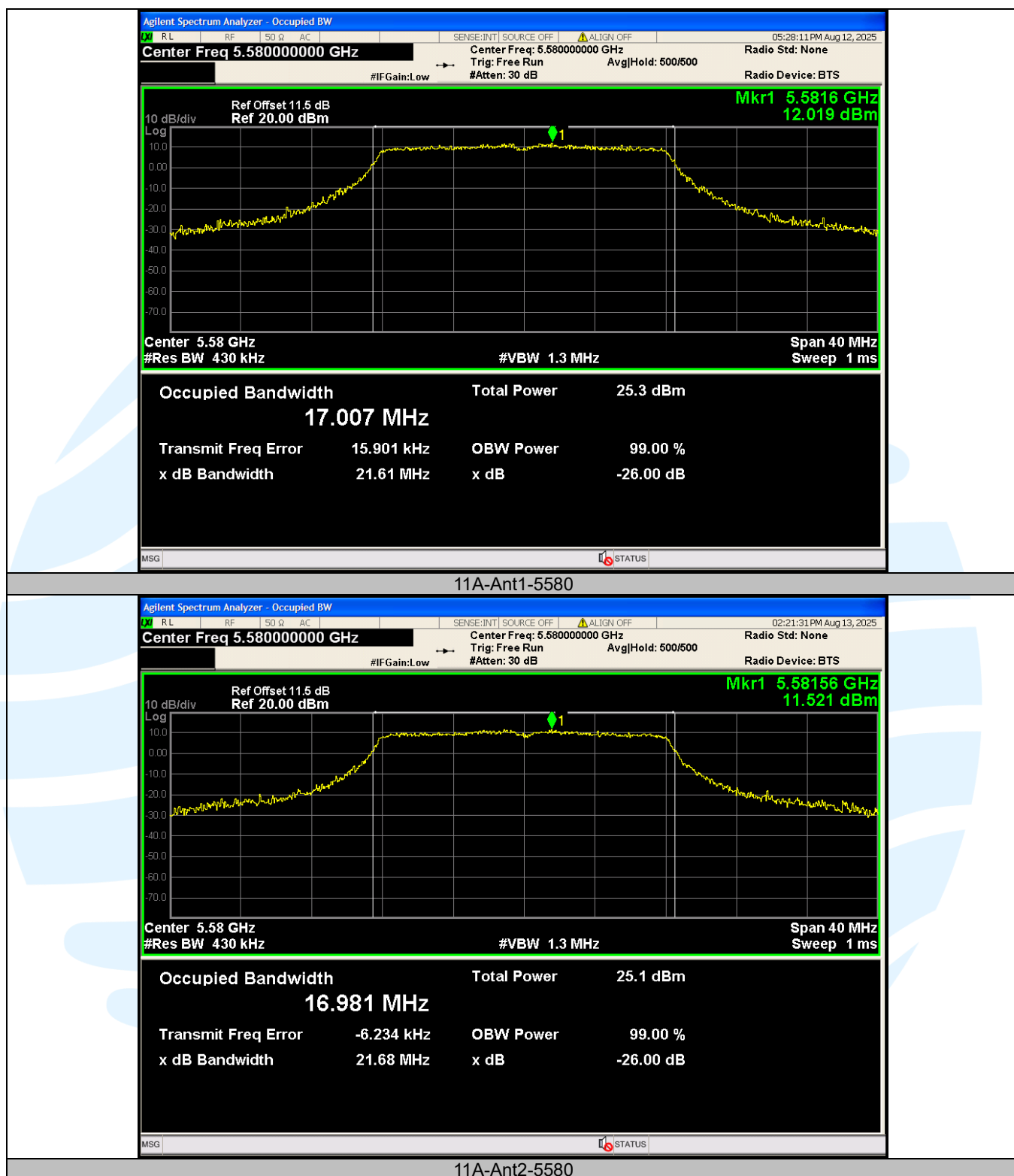
Fax: +86-755-28230886

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