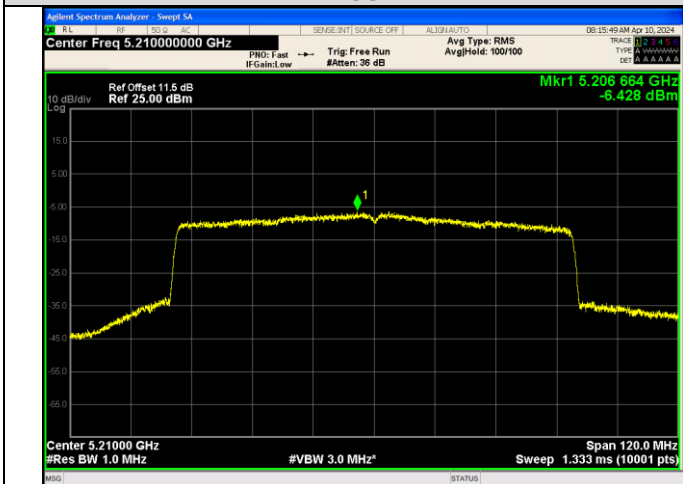
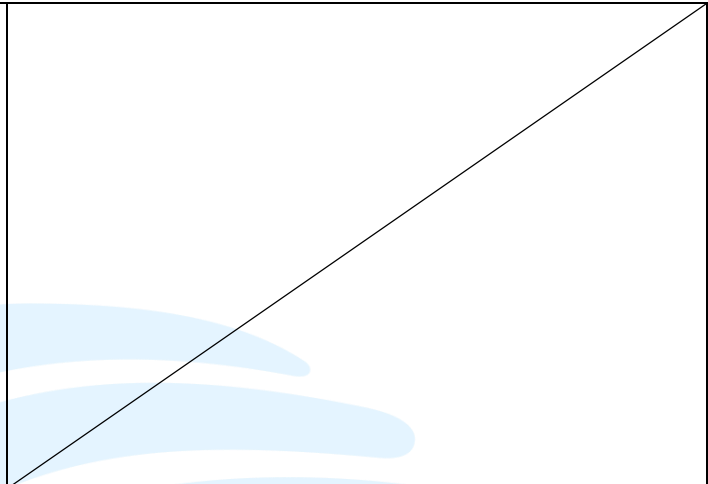
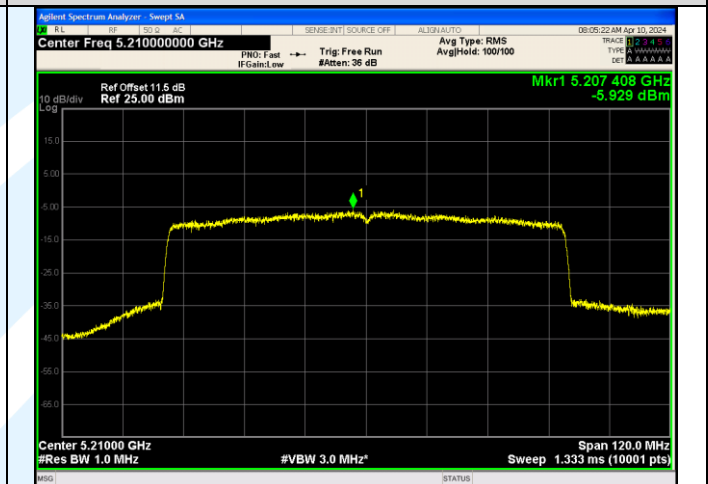


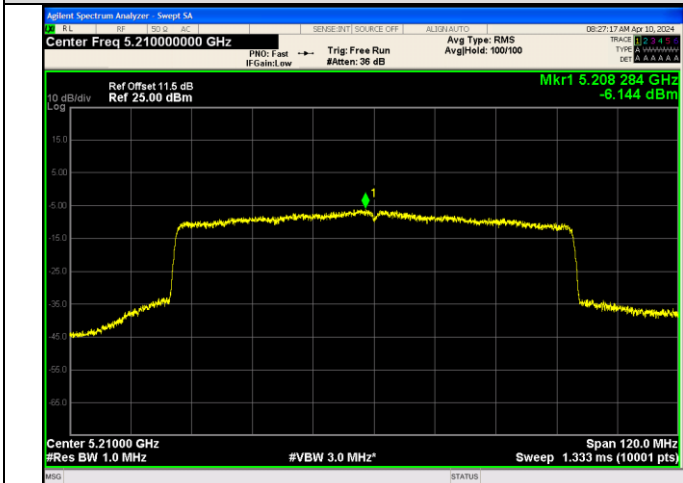
IEEE 802.11ax\_Channel 134\_40MHz\_Antenna 2\_RU&Index SU



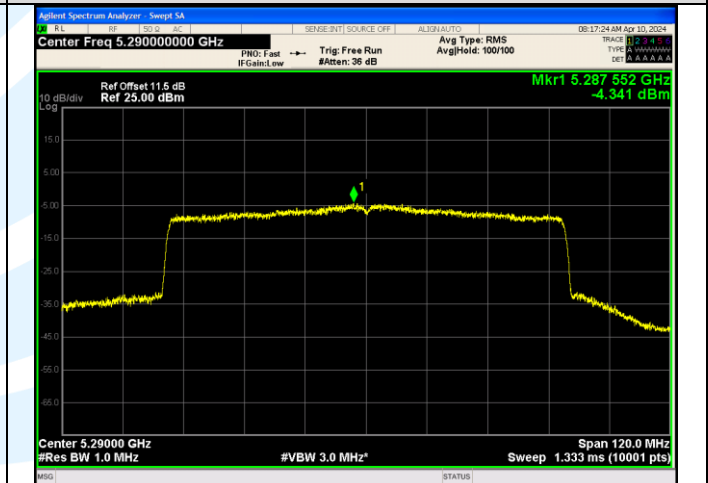
IEEE 802.11ax\_Channel 42\_80MHz\_Antenna 0\_RU&Index SU



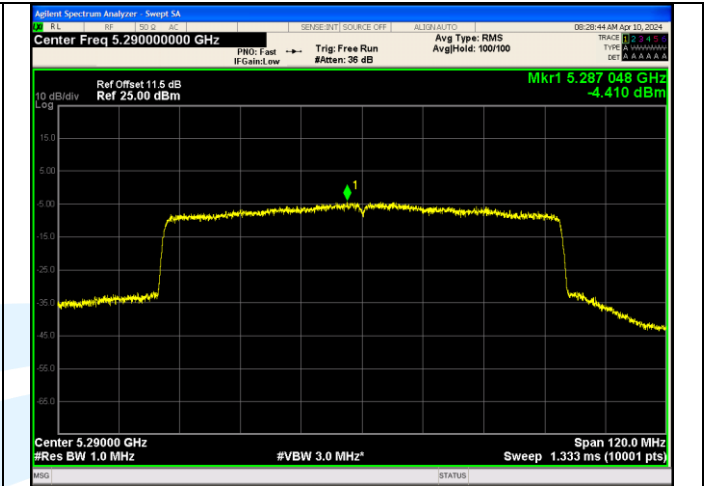
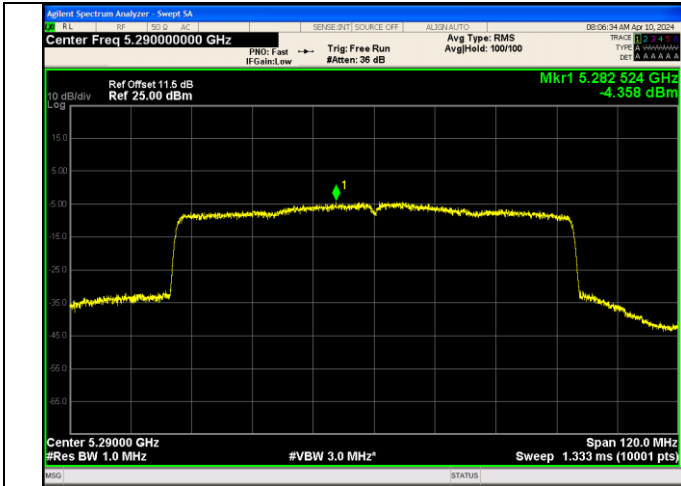
IEEE 802.11ax\_Channel 42\_80MHz\_Antenna 1\_RU&Index SU



IEEE 802.11ax\_Channel 42\_80MHz\_Antenna 2\_RU&Index SU

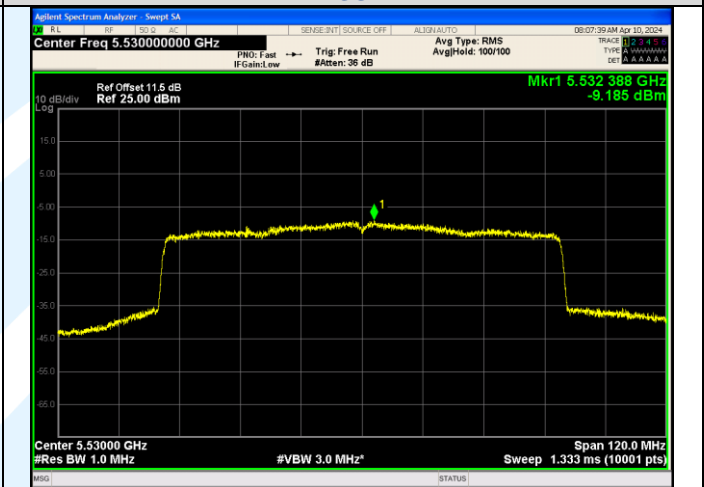
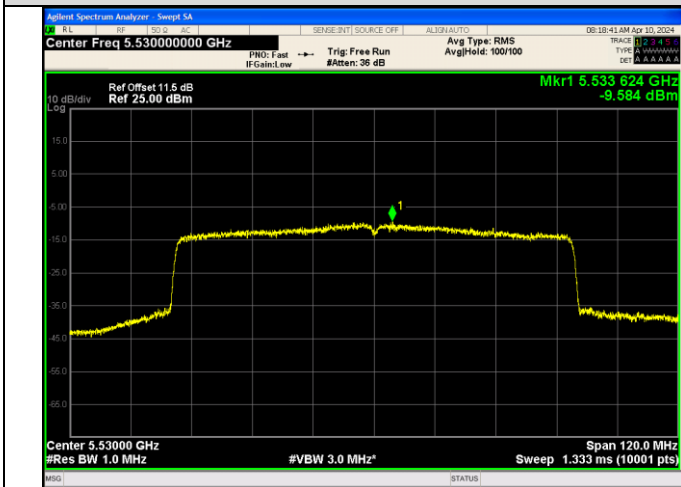


IEEE 802.11ax\_Channel 58\_80MHz\_Antenna 0\_RU&Index SU



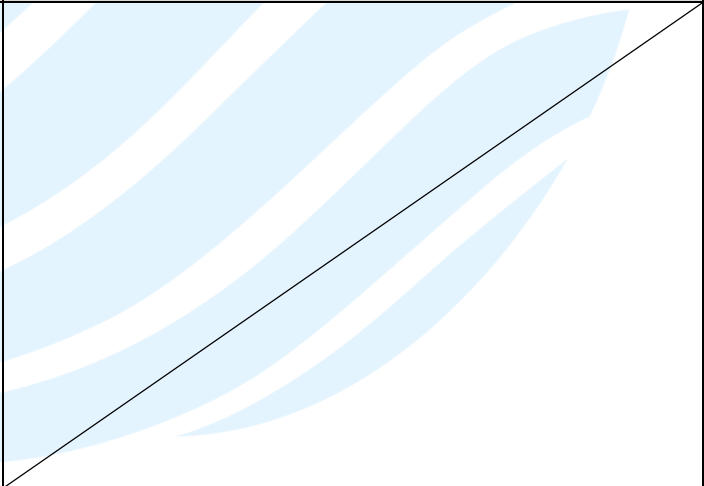
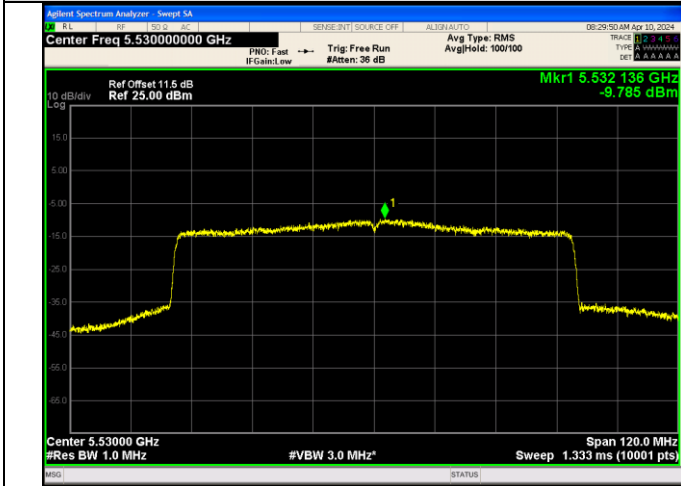
IEEE 802.11ax\_Channel 58\_80MHz\_Antenna 1\_RU&Index SU

IEEE 802.11ax\_Channel 58\_80MHz\_Antenna 2\_RU&Index SU

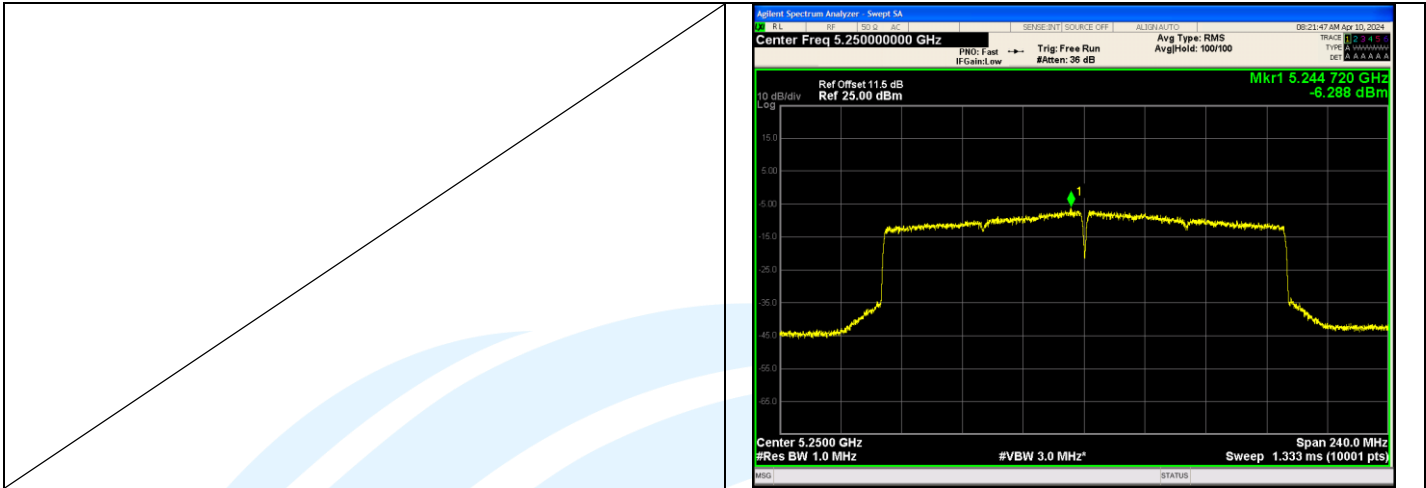


IEEE 802.11ax\_Channel 106\_80MHz\_Antenna 0\_RU&Index SU

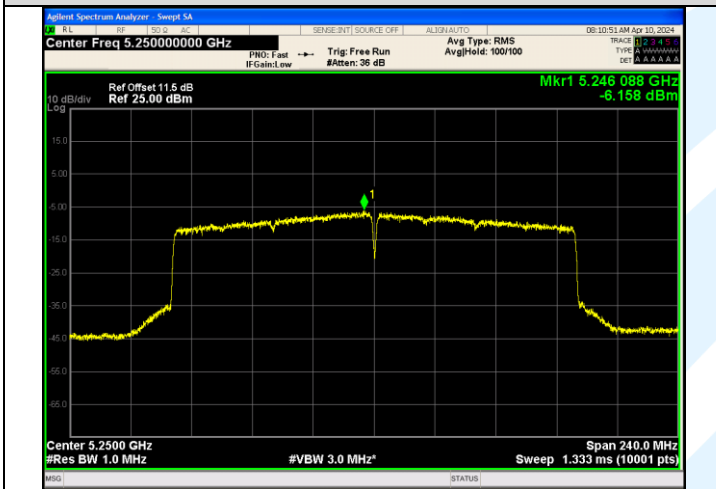
IEEE 802.11ax\_Channel 106\_80MHz\_Antenna 1\_RU&Index SU



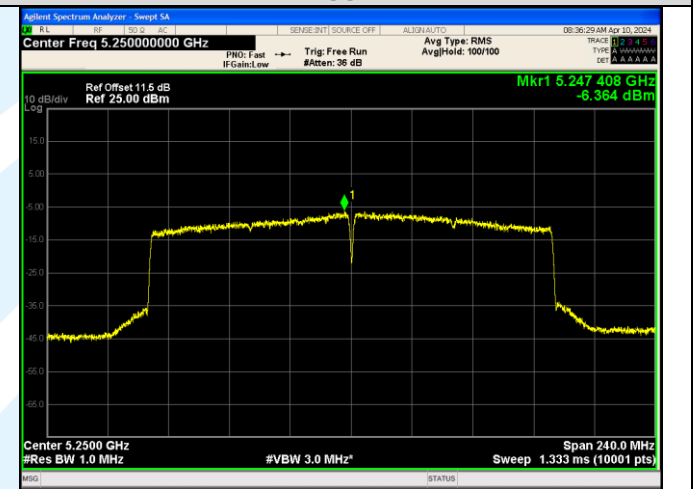
IEEE 802.11ax\_Channel 106\_80MHz\_Antenna 2\_RU&Index SU



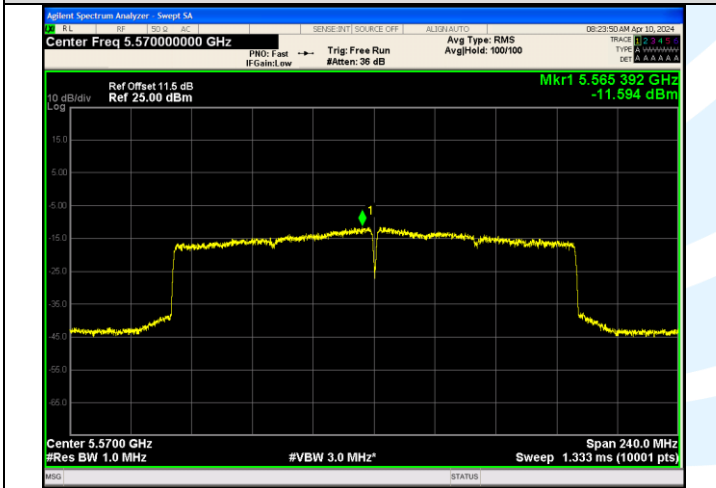
IEEE 802.11ax\_Channel 50\_160MHz\_Antenna 0\_RU&Index SU



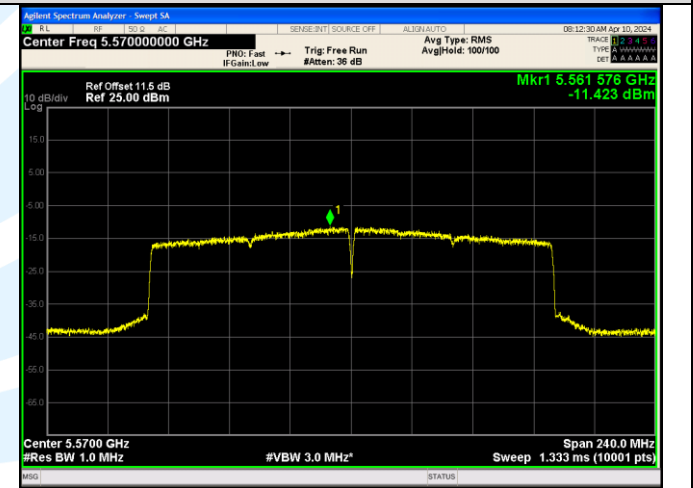
IEEE 802.11ax\_Channel 50\_160MHz\_Antenna 1\_RU&Index SU



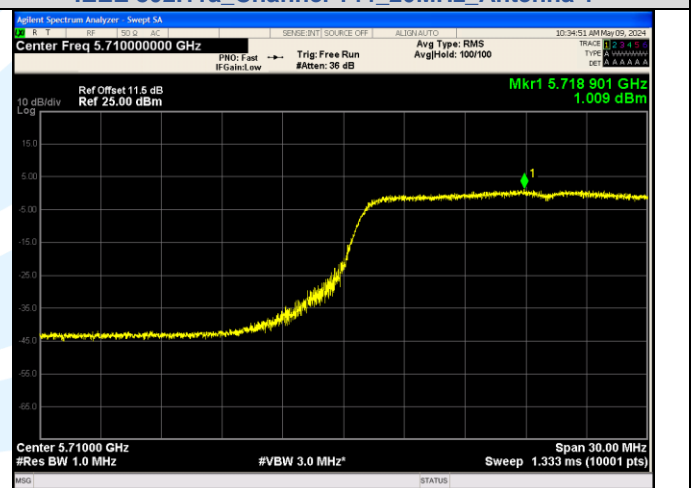
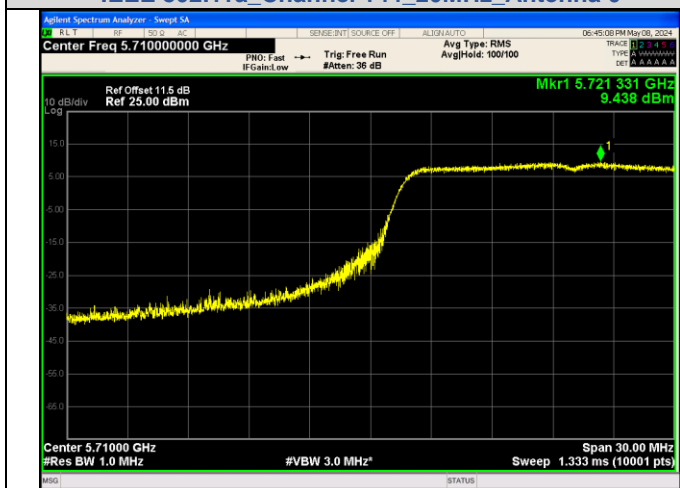
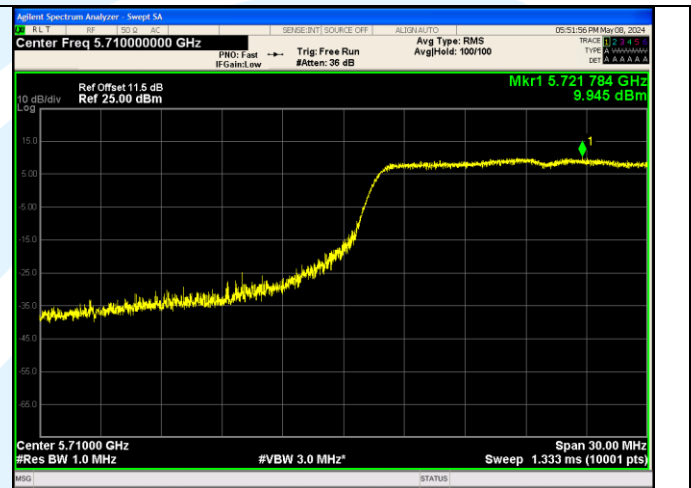
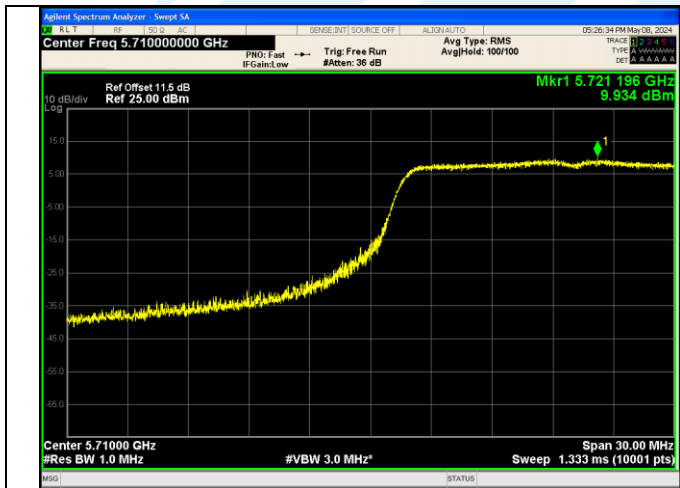
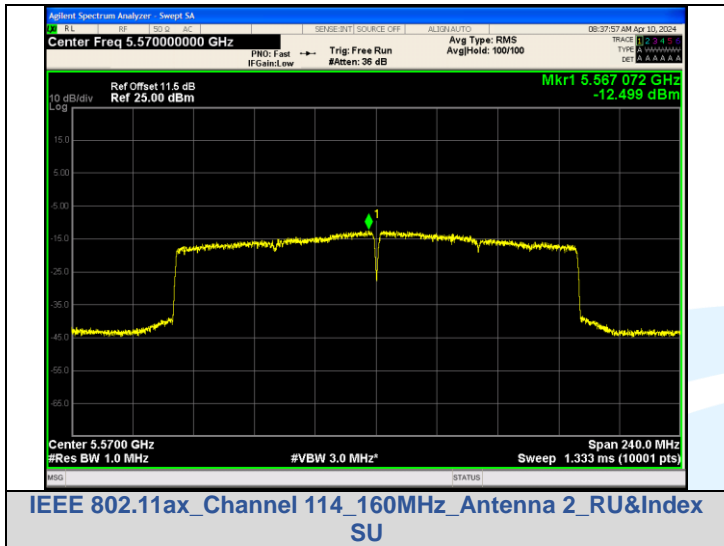
IEEE 802.11ax\_Channel 50\_160MHz\_Antenna 2\_RU&Index SU

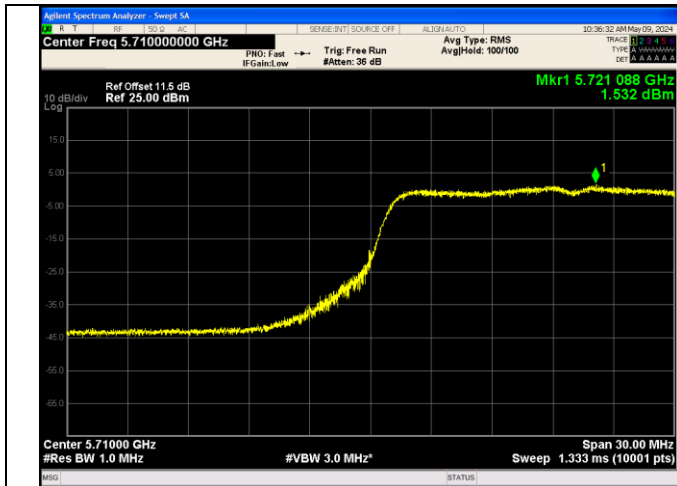


IEEE 802.11ax\_Channel 114\_160MHz\_Antenna 0\_RU&Index SU

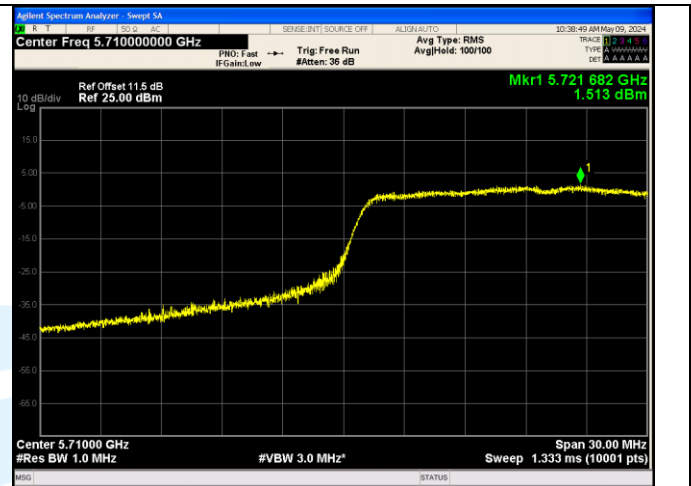


IEEE 802.11ax\_Channel 114\_160MHz\_Antenna 1\_RU&Index SU

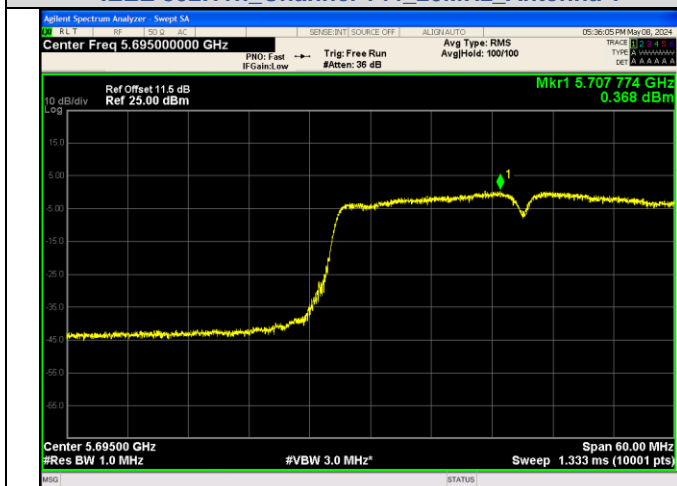




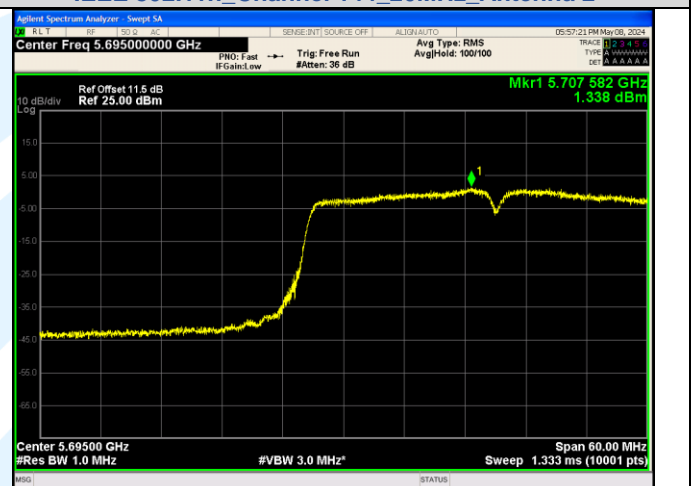
IEEE 802.11n\_Channel 144\_20MHz\_Antenna 1



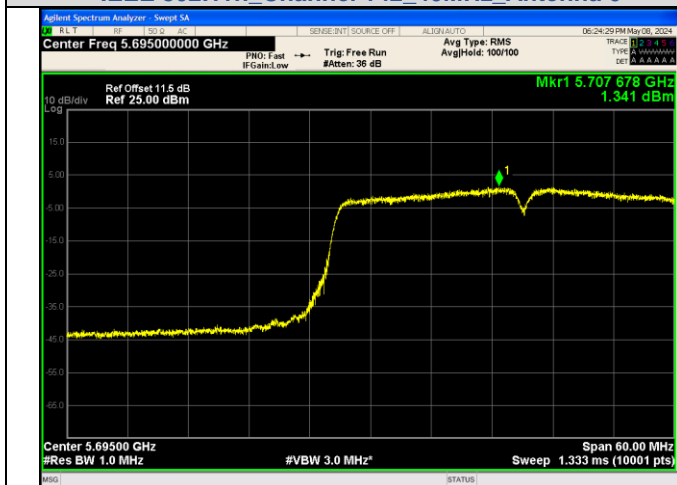
IEEE 802.11n\_Channel 144\_20MHz\_Antenna 2



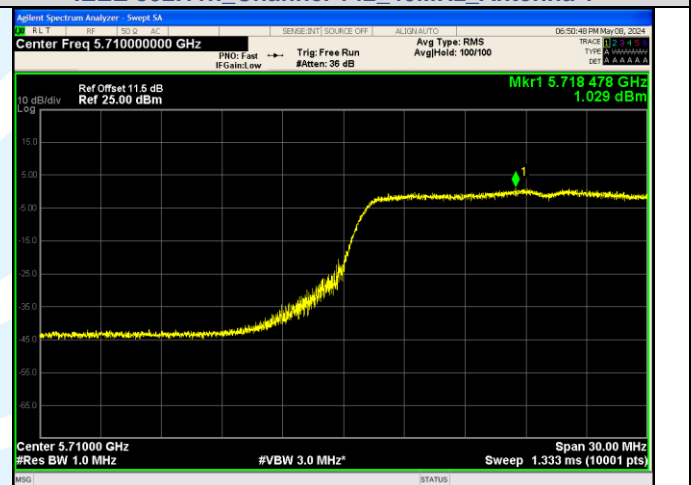
IEEE 802.11n\_Channel 142\_40MHz\_Antenna 0



IEEE 802.11n\_Channel 142\_40MHz\_Antenna 1



IEEE 802.11n\_Channel 142\_40MHz\_Antenna 2



IEEE 802.11ac\_Channel 144\_20MHz\_Antenna 0

## 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

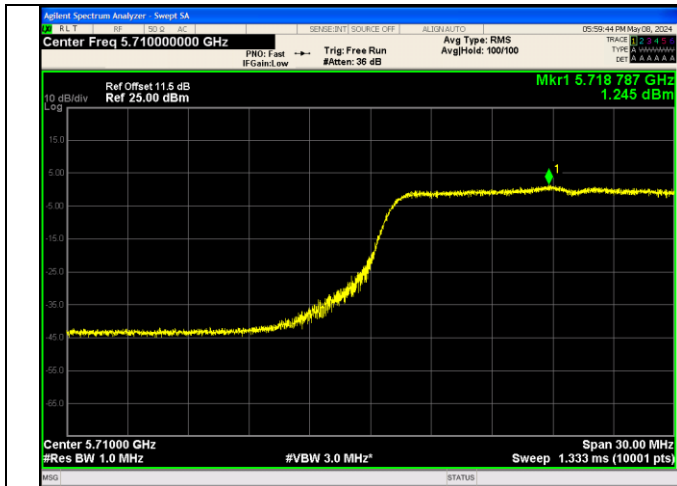
Tel: +86-755-28230888

Fax: +86-755-28230886

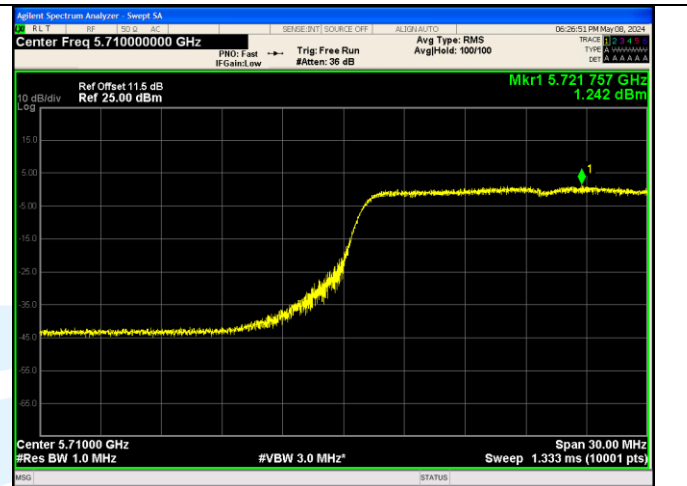
E-mail: info@uttlab.com

<http://www.uttlab.com>

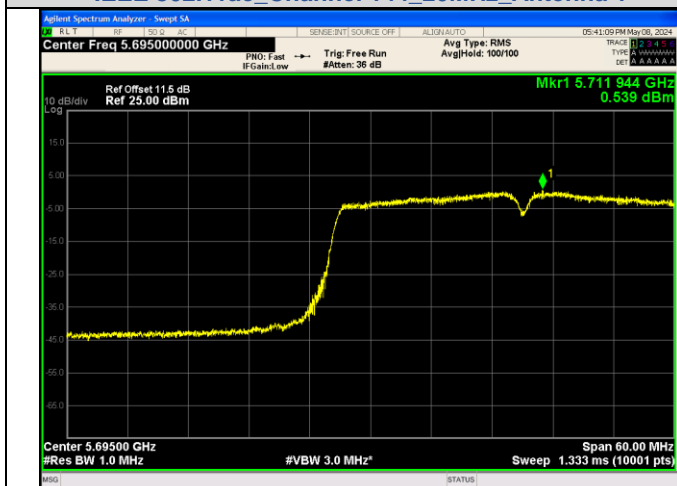
UTTR-RF-EN300328-V1.2



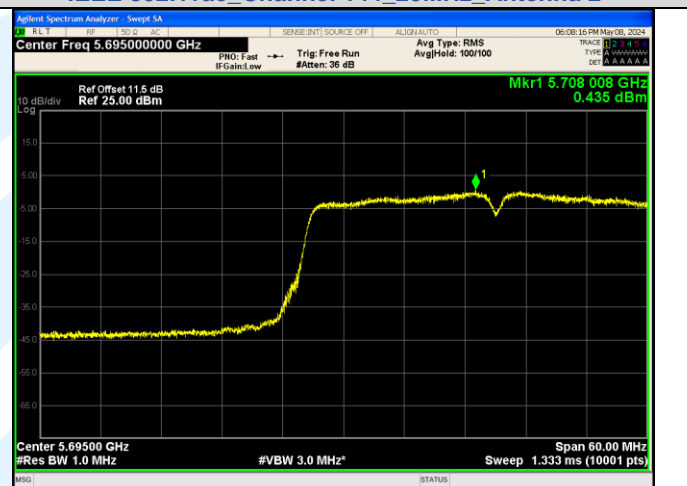
IEEE 802.11ac\_Channel 144\_20MHz\_Antenna 1



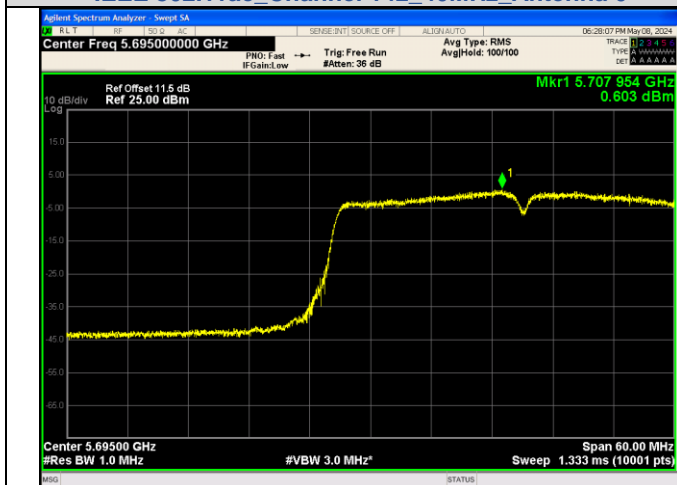
IEEE 802.11ac\_Channel 144\_20MHz\_Antenna 2



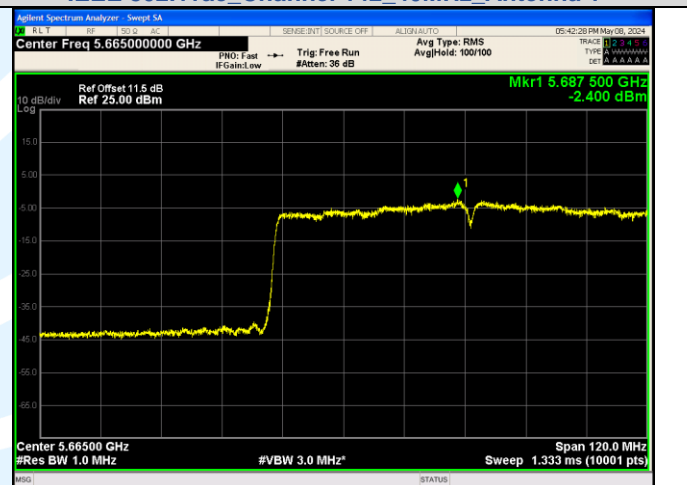
IEEE 802.11ac\_Channel 142\_40MHz\_Antenna 0



IEEE 802.11ac\_Channel 142\_40MHz\_Antenna 1



IEEE 802.11ac\_Channel 142\_40MHz\_Antenna 2



IEEE 802.11ac\_Channel 138\_80MHz\_Antenna 0

## 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

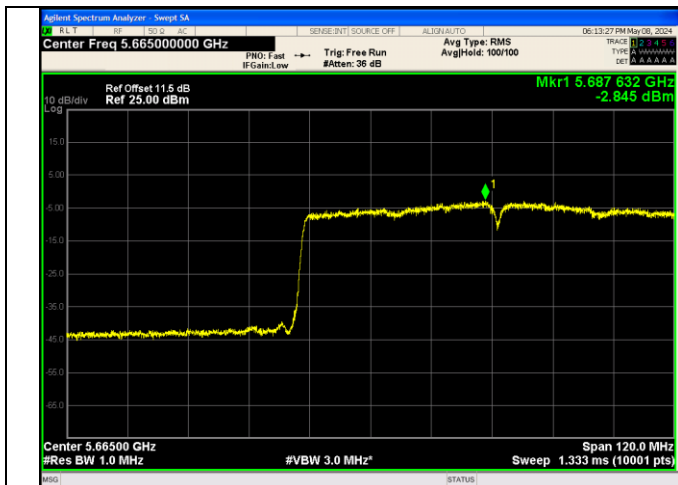
Tel: +86-755-28230888

Fax: +86-755-28230886

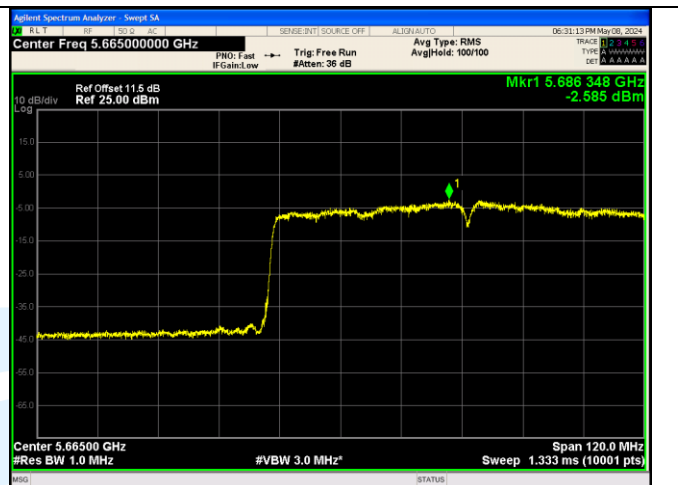
E-mail: info@uttlab.com

<http://www.uttlab.com>

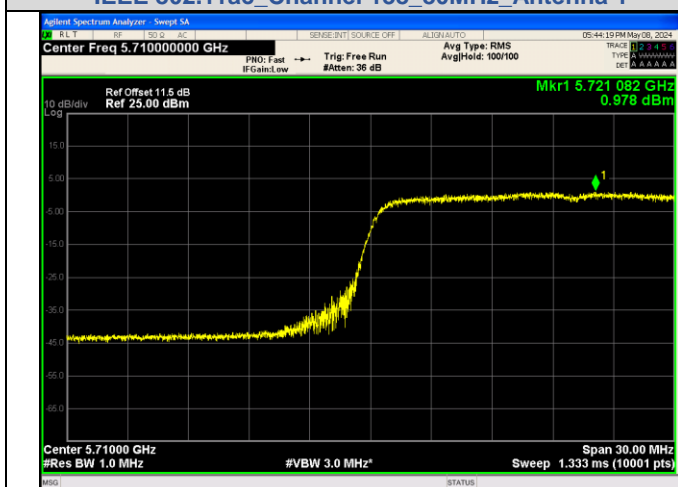
UTTR-RF-EN300328-V1.2



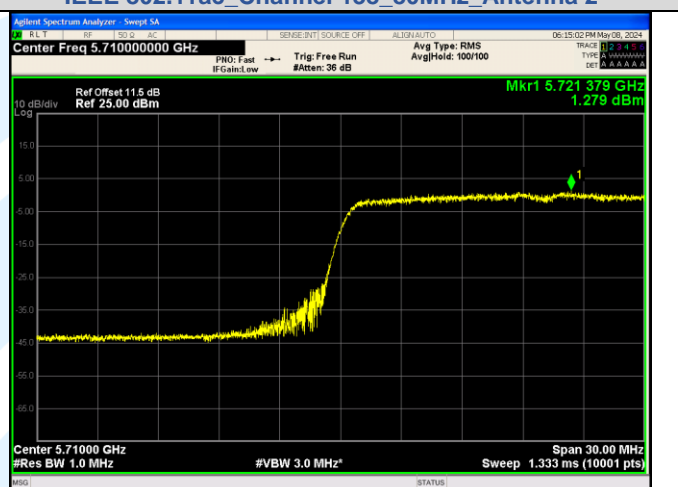
IEEE 802.11ac\_Channel 138\_80MHz\_Antenna 1



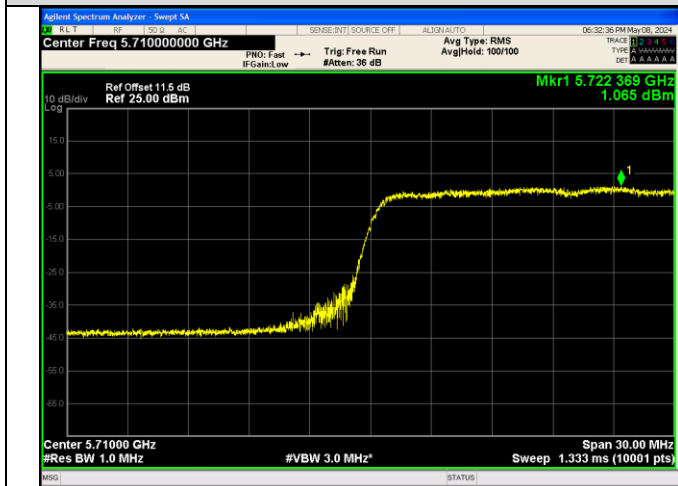
IEEE 802.11ac\_Channel 138\_80MHz\_Antenna 2



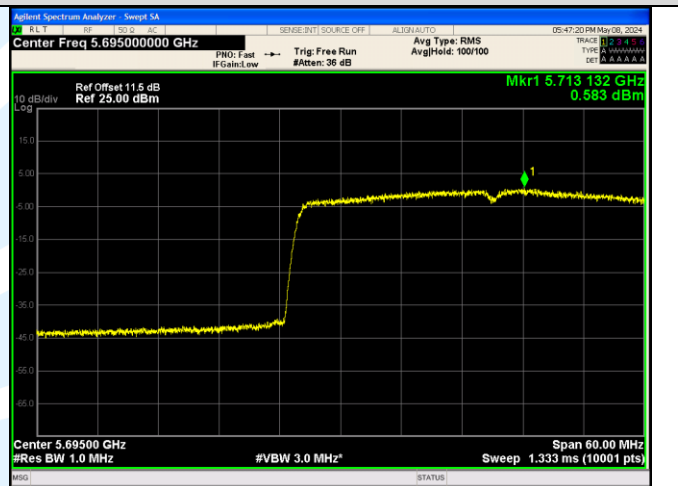
IEEE 802.11ax\_Channel 144\_20MHz\_Antenna 0\_RU&Index SU



IEEE 802.11ax\_Channel 144\_20MHz\_Antenna 1\_RU&Index SU



IEEE 802.11ax\_Channel 144\_20MHz\_Antenna 2\_RU&Index SU



IEEE 802.11ax\_Channel 142\_40MHz\_Antenna 0\_RU&Index SU

## 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

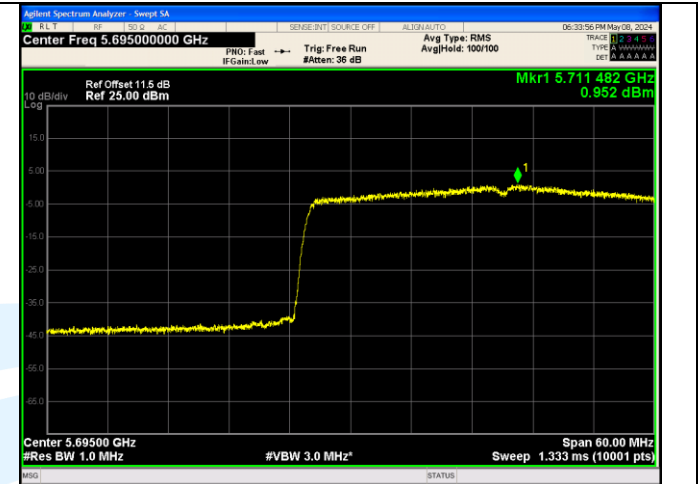
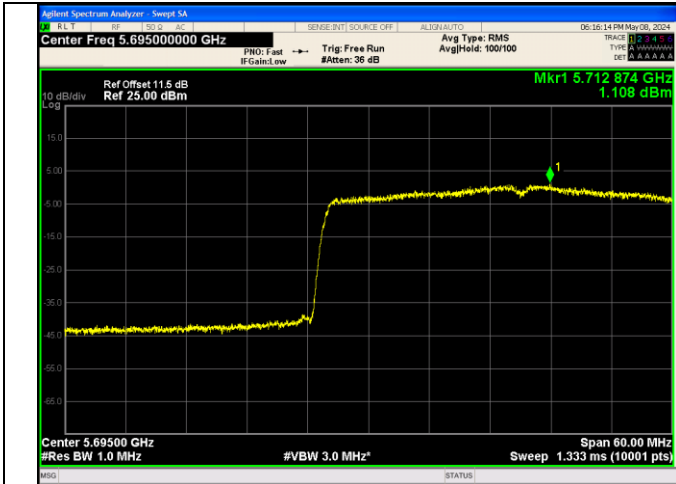
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

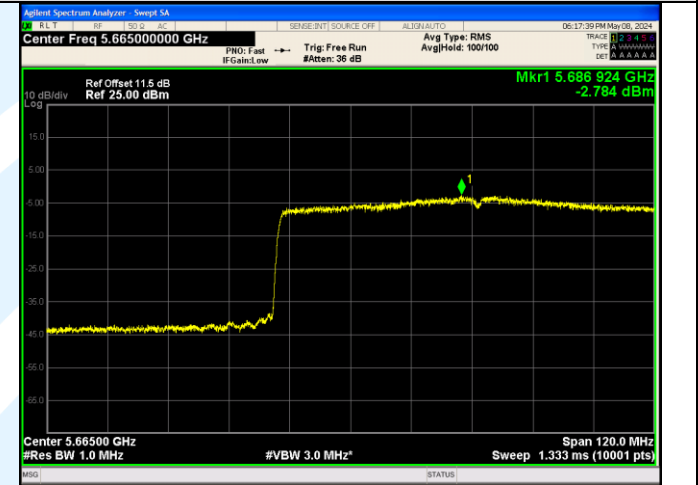
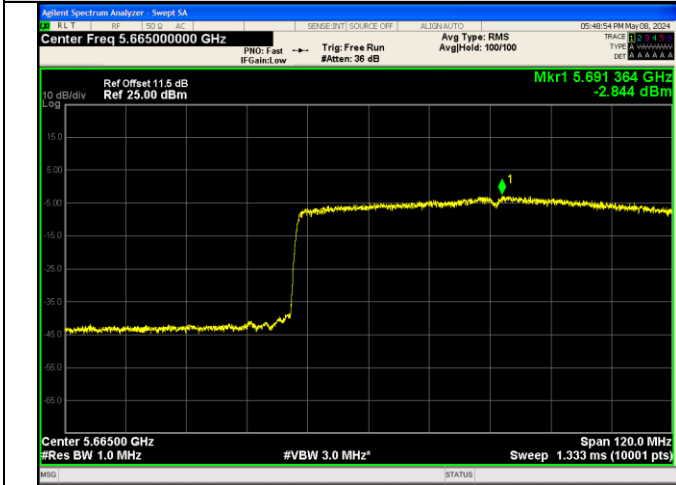
<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2



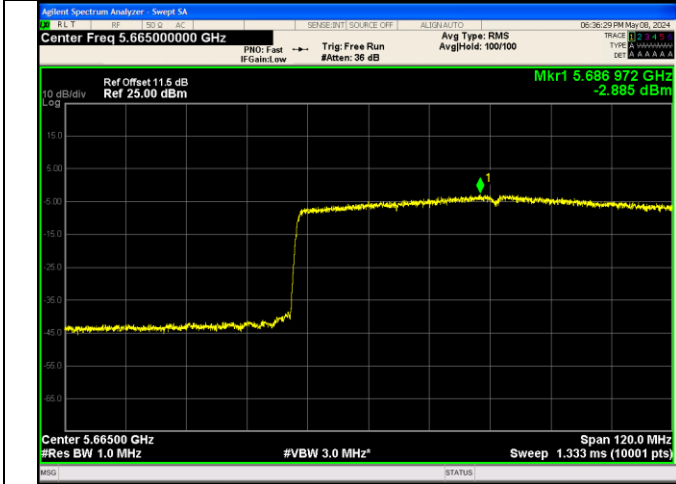
IEEE 802.11ax\_Channel 142\_40MHz\_Antenna 1\_RU&Index SU

IEEE 802.11ax\_Channel 142\_40MHz\_Antenna 2\_RU&Index SU



IEEE 802.11ax\_Channel 138\_80MHz\_Antenna 0\_RU&Index SU

IEEE 802.11ax\_Channel 138\_80MHz\_Antenna 1\_RU&Index SU



IEEE 802.11ax\_Channel 138\_80MHz\_Antenna 2\_RU&Index SU





**For U-NII-3 Band:**

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	149	N/A	7.266	6.533	6.892	7.45	6.72	7.08	N/A	29.5	PASS
	157		7.008	7.014	7.075	7.19	7.20	7.26	N/A		PASS
	165		6.328	6.522	7.115	6.51	6.71	7.30	N/A		PASS
IEEE 802.11n_20	149		4.923	4.720	4.974	5.12	4.92	5.17	9.84	25.63	PASS
	157		7.140	6.923	7.058	7.34	7.12	7.25	12.01		PASS
	165		4.550	4.663	4.990	4.75	4.86	5.19	9.71		PASS
IEEE 802.11n_40	151		2.139	2.526	2.165	2.53	2.91	2.55	7.44	25.63	PASS
	159		-0.661	-0.528	-0.580	-0.27	-0.14	-0.19	4.57		PASS
IEEE 802.11a_c_20	149		4.758	4.866	4.792	5.37	5.48	5.40	10.19	25.63	PASS
	157		7.041	7.060	7.086	7.65	7.67	7.70	12.44		PASS
	165		4.693	4.633	5.127	5.30	5.24	5.74	10.20		PASS
IEEE 802.11a_c_40	151		1.876	2.471	2.226	2.78	3.37	3.13	7.87	25.63	PASS
	159	-0.793	-0.827	-0.926	0.11	0.07	-0.02	4.82	PASS		
IEEE 802.11a_c_80	155	-4.802	-4.532	-4.433	-3.41	-3.14	-3.04	1.58	25.63	PASS	
IEEE 802.11a_x_20	149	4.629	4.565	4.719	5.152	5.088	5.242	9.932	25.63	PASS	
	157	4.965	4.771	4.920	5.488	5.294	5.443	10.180		PASS	
	165	4.525	4.867	5.093	5.048	5.390	5.616	10.129		PASS	
IEEE 802.11a_x_40	151	2.856	2.794	2.522	3.394	3.323	3.051	8.029	25.63	PASS	
	159	2.785	3.092	2.773	3.314	3.621	3.302	8.186		PASS	
IEEE 802.11a_x_80	155	-3.775	-4.752	-4.776	-3.235	-4.212	-4.236	0.903	25.63	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

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	5.956	5.412	6.352	6.136	5.592	6.532	N/A	29.5	PASS	
IEEE 802.11n_20			-2.909	-2.697	-3.046	-2.709	-2.497	-2.846	2.090	25.63	PASS	
IEEE 802.11n_40	142		-4.572	-4.638	-4.768	-4.182	-4.248	-4.378	0.503		PASS	
IEEE 802.11a_c_20	144		-3.100	-2.847	-3.019	-2.49	-2.237	-2.409	2.394		PASS	
IEEE 802.11a_c_40	142		-5.434	-6.073	-5.822	-4.534	-5.173	-4.922	-0.097		PASS	
IEEE 802.11a_c_80	138		-8.533	-8.983	-7.885	-7.143	-7.593	-6.495	-2.282		PASS	
IEEE 802.11a_x_20	144		-2.938	-2.607	-2.852	-2.418	-2.087	-2.332	2.494		PASS	
IEEE 802.11a_x_40	142		SU	-5.201	-5.404	-5.077	-4.671	-4.874	-4.547		0.076	PASS
IEEE 802.11a_x_80	138		-9.123	-9.235	-8.958	-8.583	-8.695	-8.418	-3.793		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

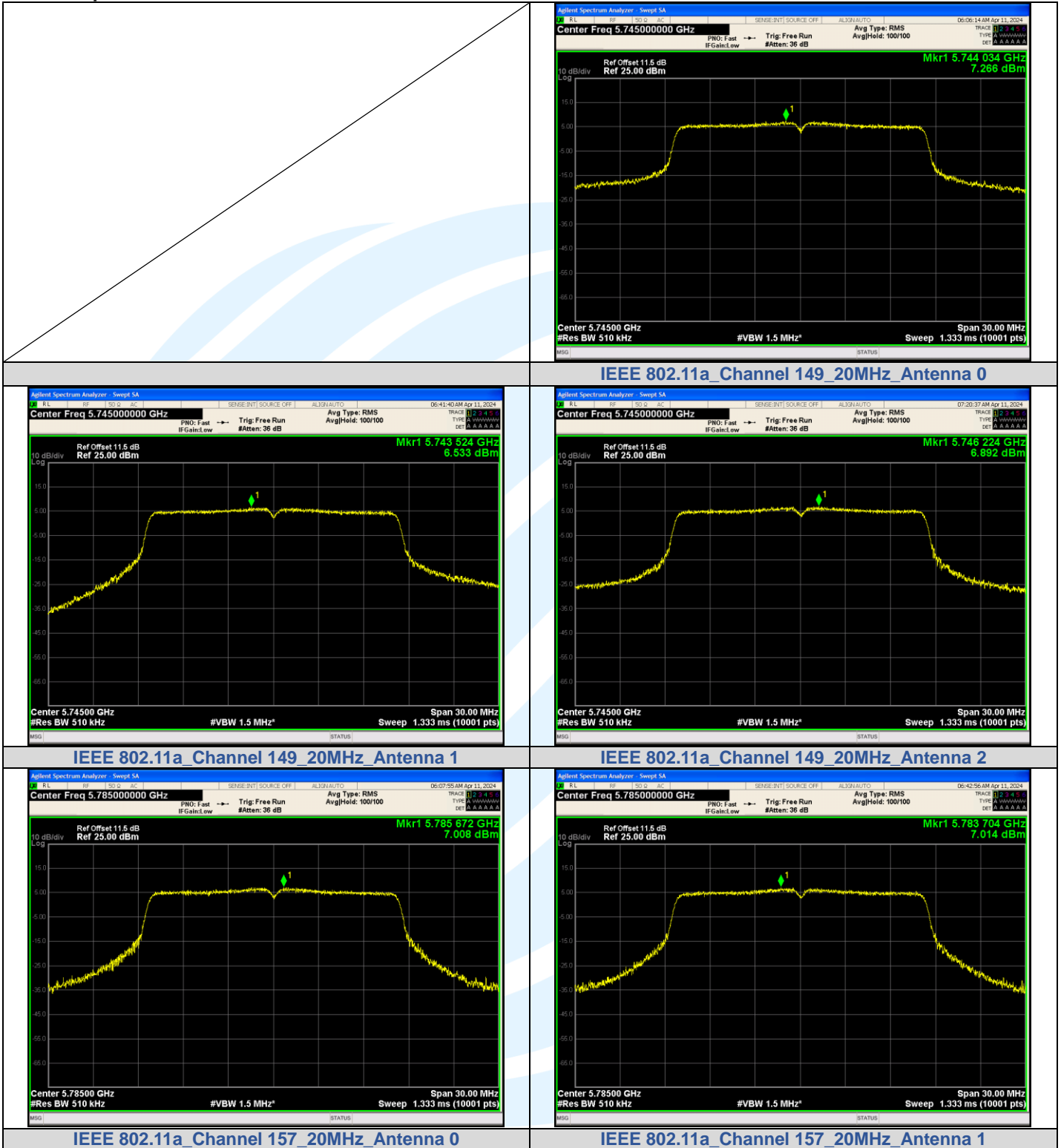
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2

## Test Graphs



## 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

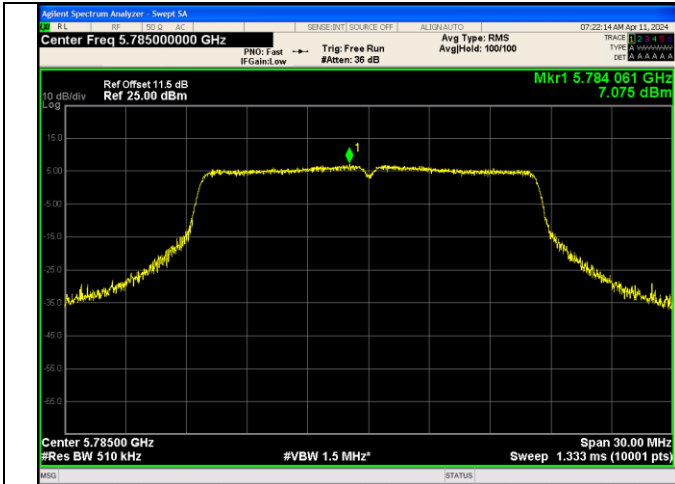
Tel: +86-755-28230888

Fax: +86-755-28230886

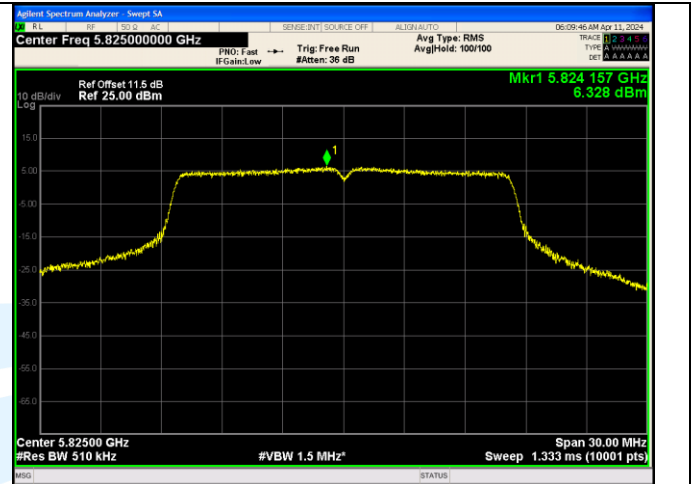
E-mail: info@uttlab.com

<http://www.uttlab.com>

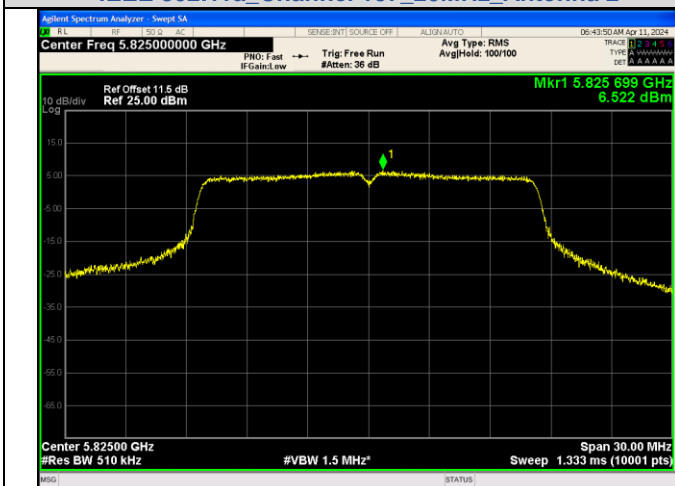
UTTR-RF-EN300328-V1.2



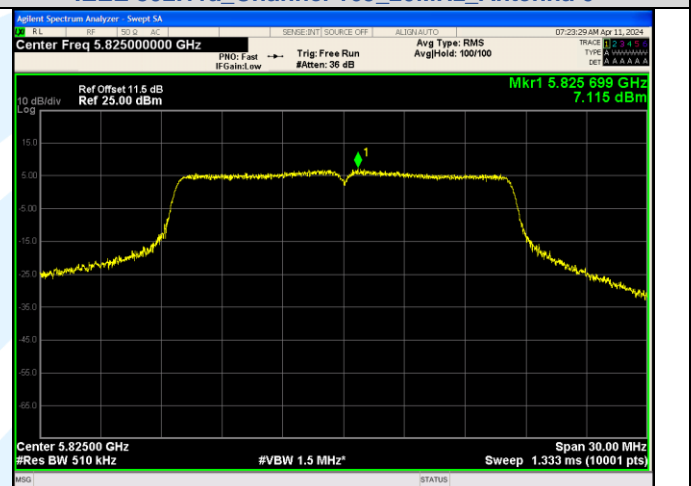
IEEE 802.11a\_Channel 157\_20MHz\_Antenna 2



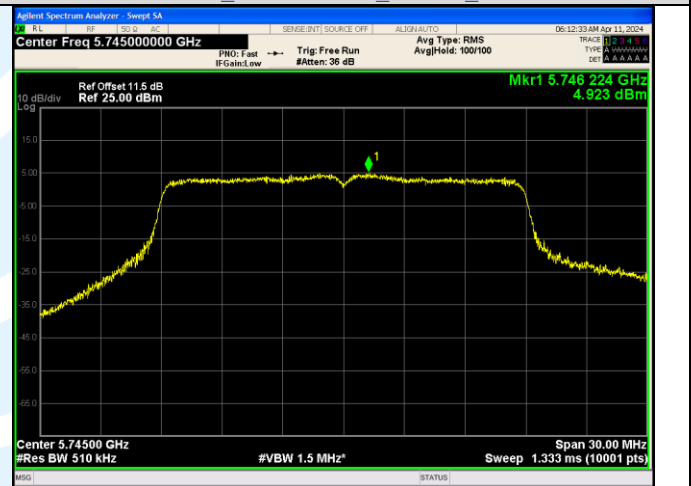
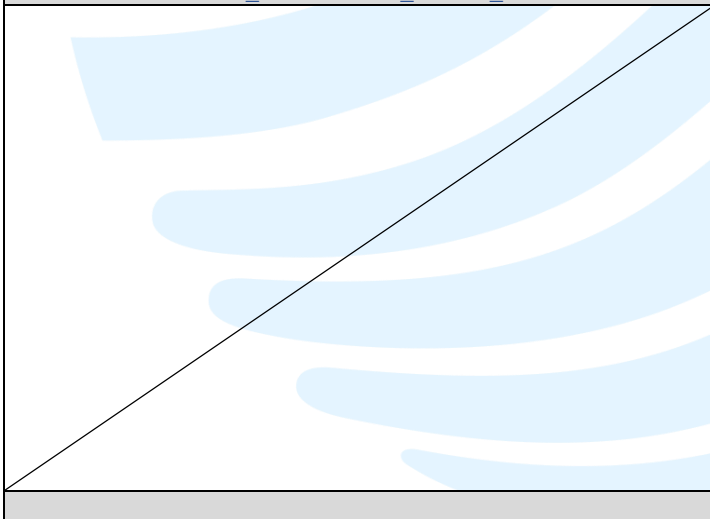
IEEE 802.11a\_Channel 165\_20MHz\_Antenna 0



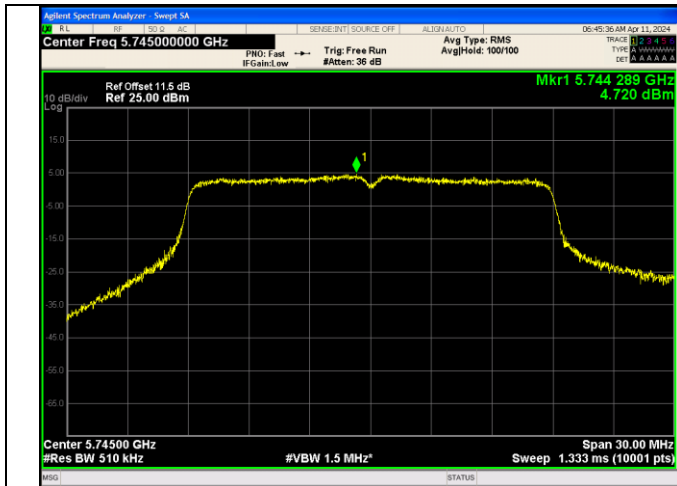
IEEE 802.11a\_Channel 165\_20MHz\_Antenna 1



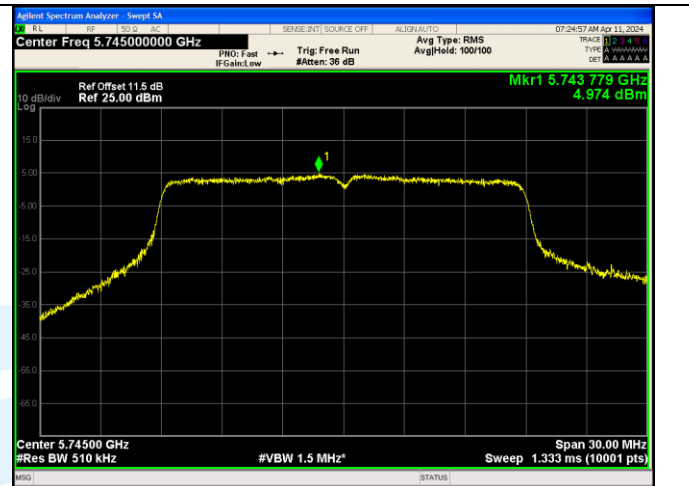
IEEE 802.11a\_Channel 165\_20MHz\_Antenna 2



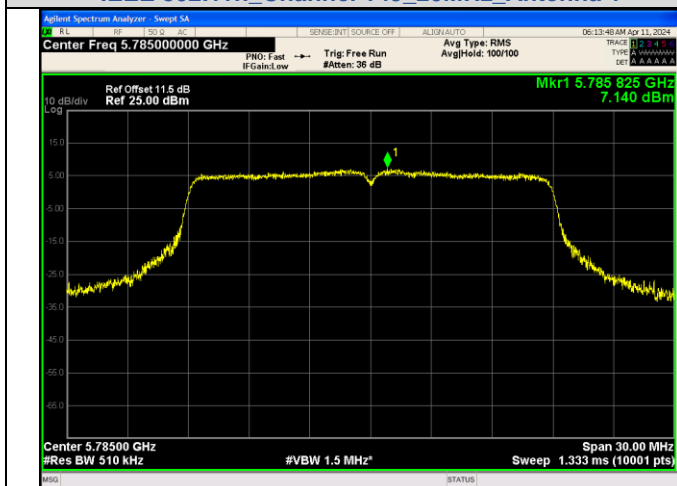
IEEE 802.11n\_Channel 149\_20MHz\_Antenna 0



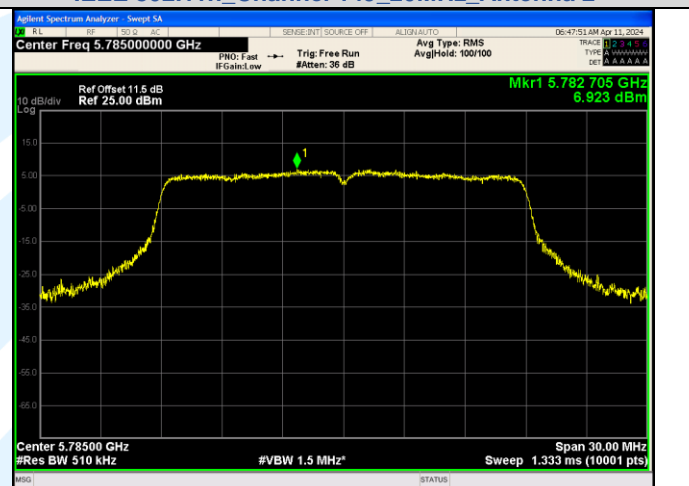
IEEE 802.11n\_Channel 149\_20MHz\_Antenna 1



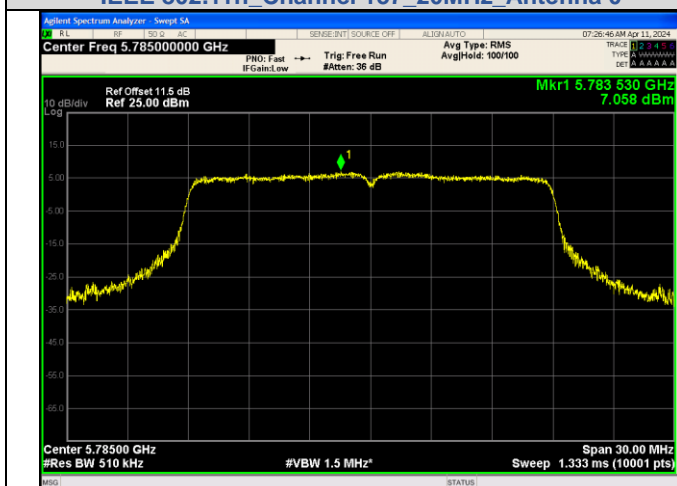
IEEE 802.11n\_Channel 149\_20MHz\_Antenna 2



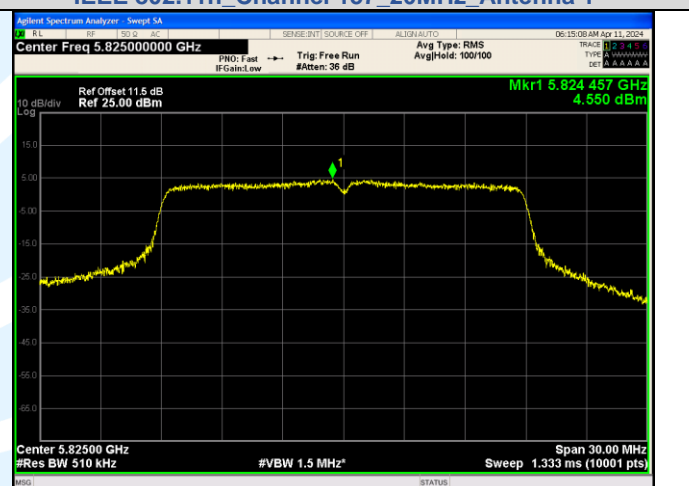
IEEE 802.11n\_Channel 157\_20MHz\_Antenna 0



IEEE 802.11n\_Channel 157\_20MHz\_Antenna 1



IEEE 802.11n\_Channel 157\_20MHz\_Antenna 2



IEEE 802.11n\_Channel 165\_20MHz\_Antenna 0

## 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

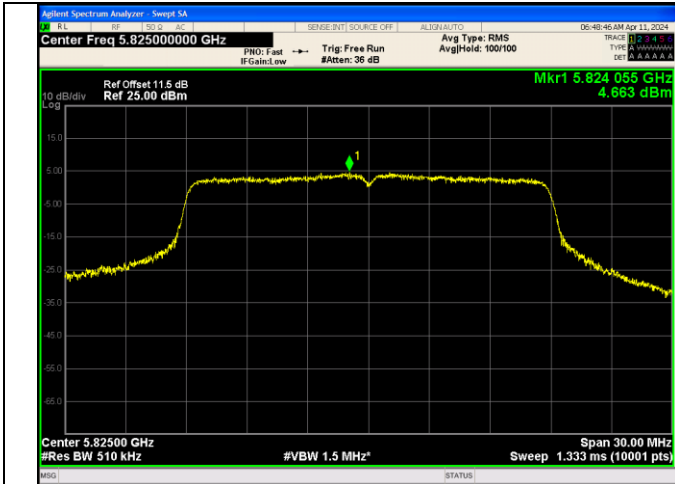
Tel: +86-755-28230888

Fax: +86-755-28230886

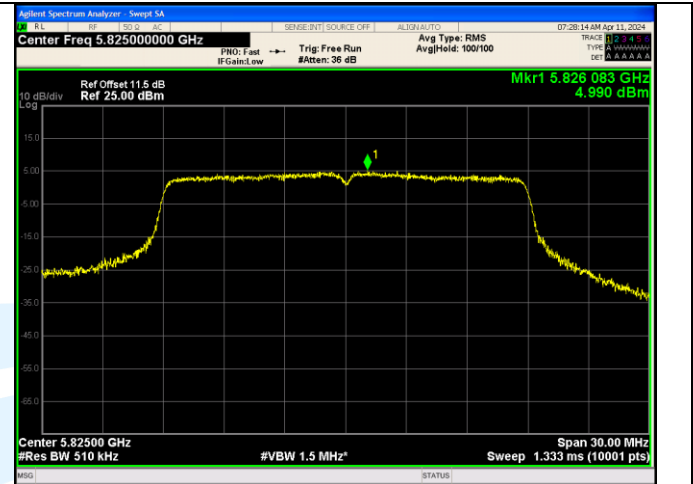
E-mail: info@uttlab.com

<http://www.uttlab.com>

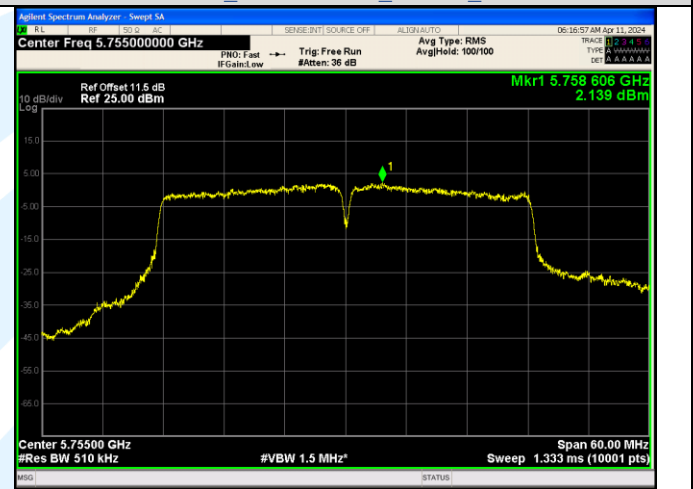
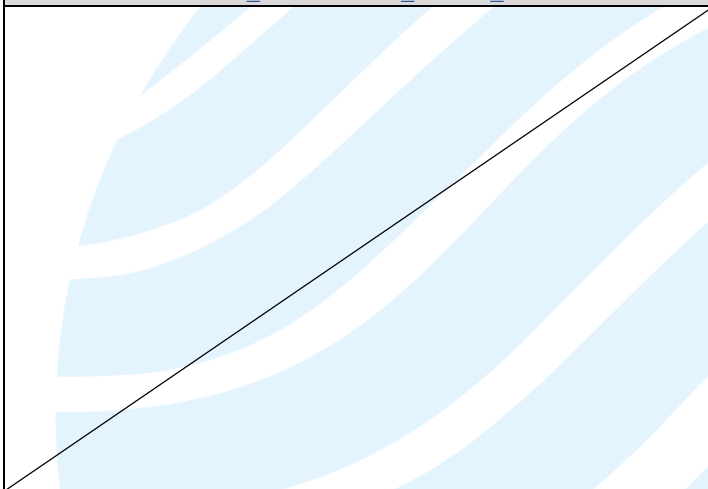
UTTR-RF-EN300328-V1.2



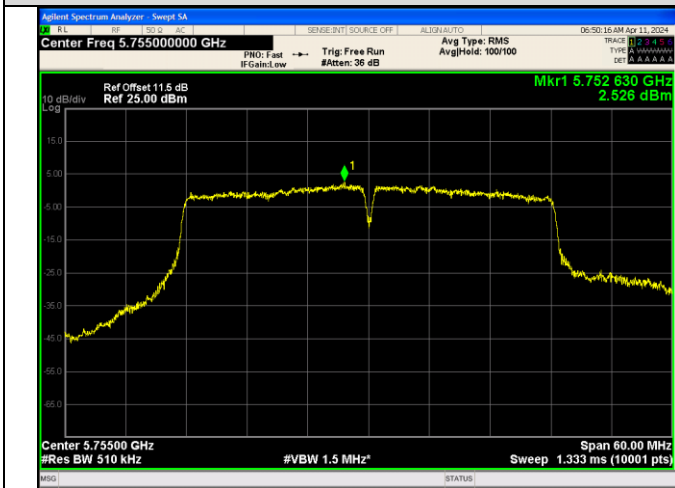
IEEE 802.11n\_Channel 165\_20MHz\_Antenna 1



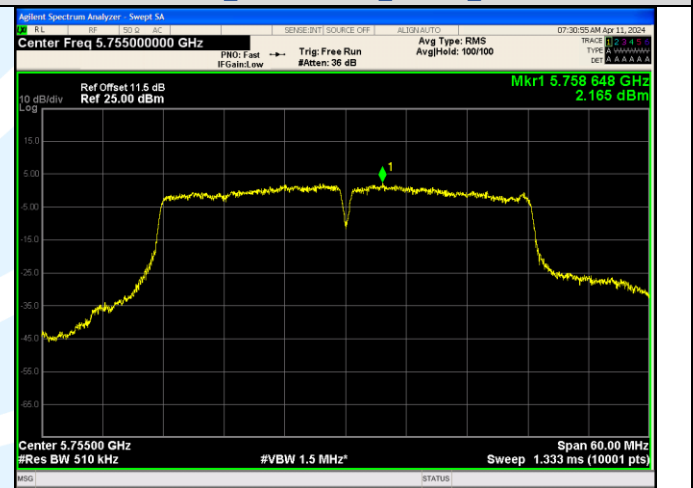
IEEE 802.11n\_Channel 165\_20MHz\_Antenna 2



IEEE 802.11n\_Channel 151\_40MHz\_Antenna 0



IEEE 802.11n\_Channel 151\_40MHz\_Antenna 1



IEEE 802.11n\_Channel 151\_40MHz\_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

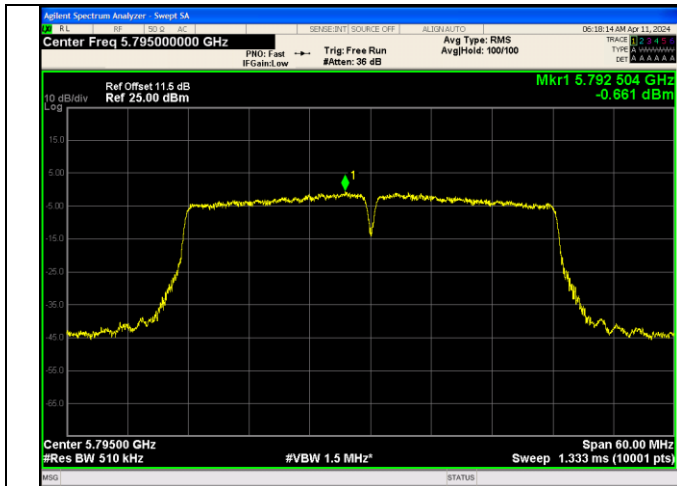
Tel: +86-755-28230888

Fax: +86-755-28230886

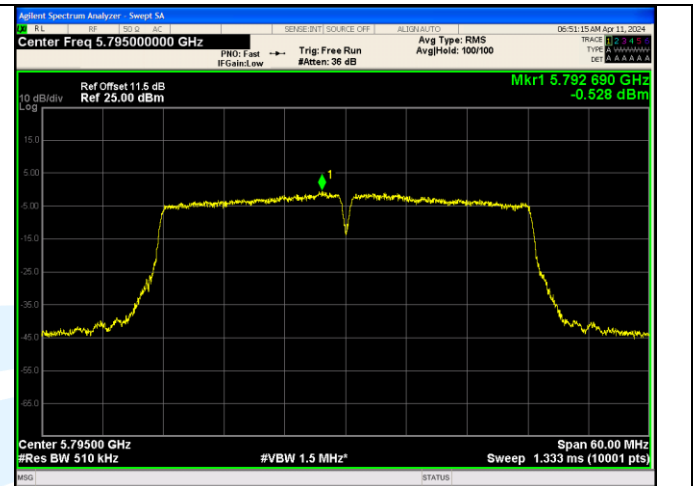
E-mail: info@uttlab.com

<http://www.uttlab.com>

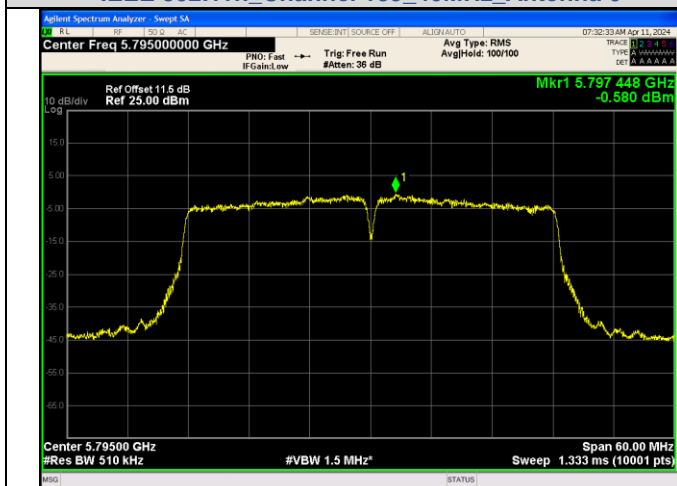
UTTR-RF-EN300328-V1.2



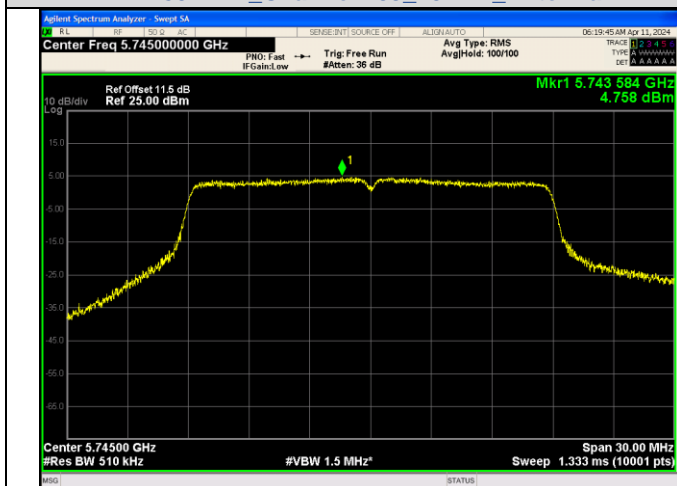
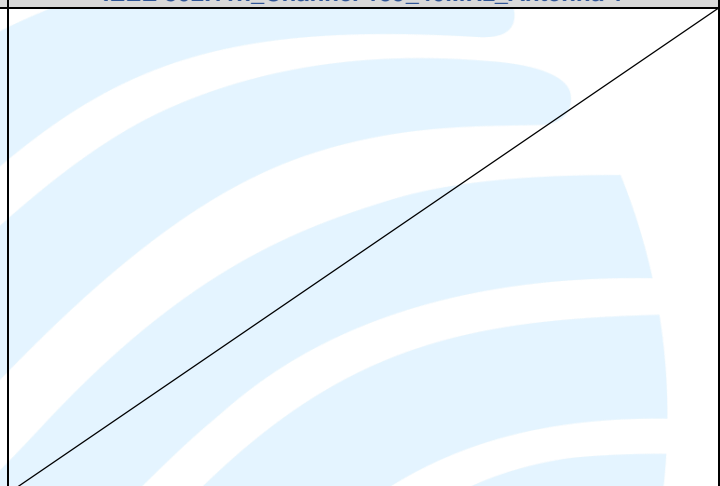
IEEE 802.11n\_Channel 159\_40MHz\_Antenna 0



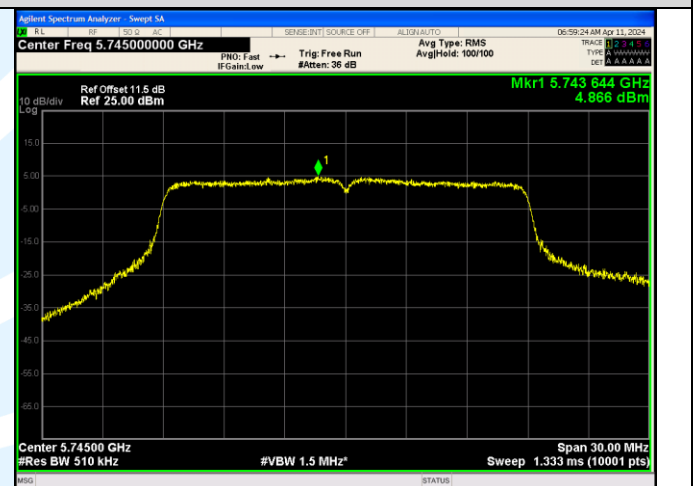
IEEE 802.11n\_Channel 159\_40MHz\_Antenna 1



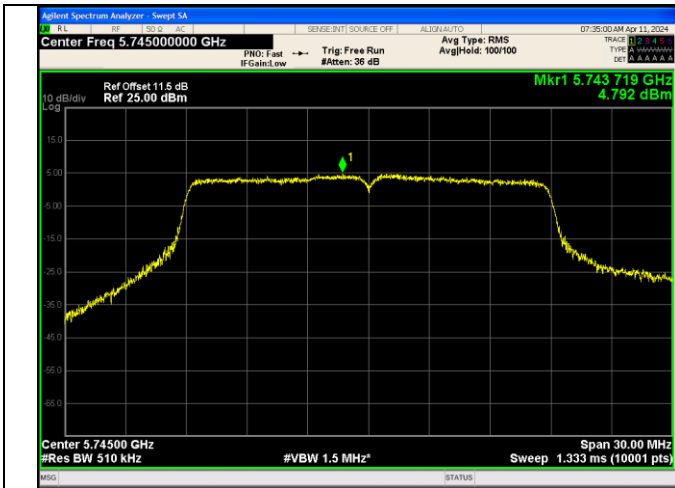
IEEE 802.11n\_Channel 159\_40MHz\_Antenna 2



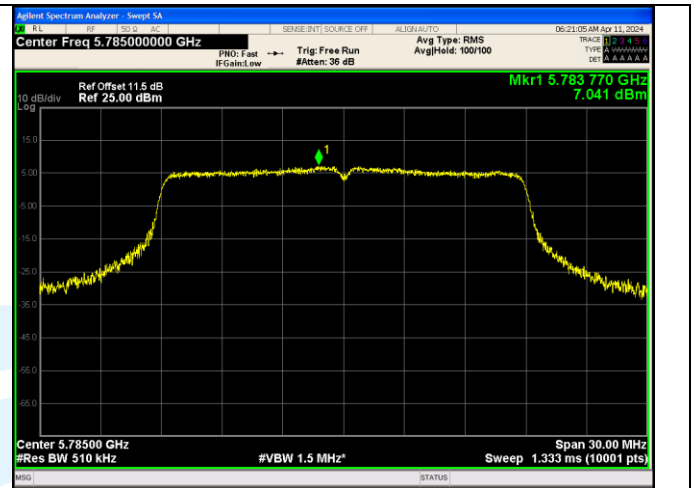
IEEE 802.11ac\_Channel 149\_20MHz\_Antenna 0



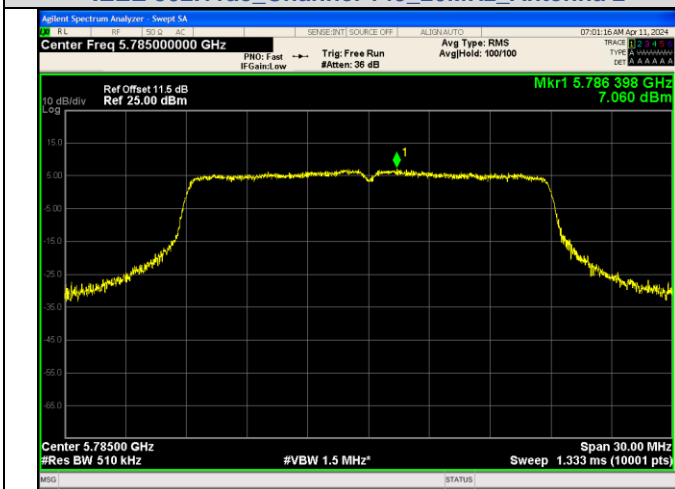
IEEE 802.11ac\_Channel 149\_20MHz\_Antenna 1



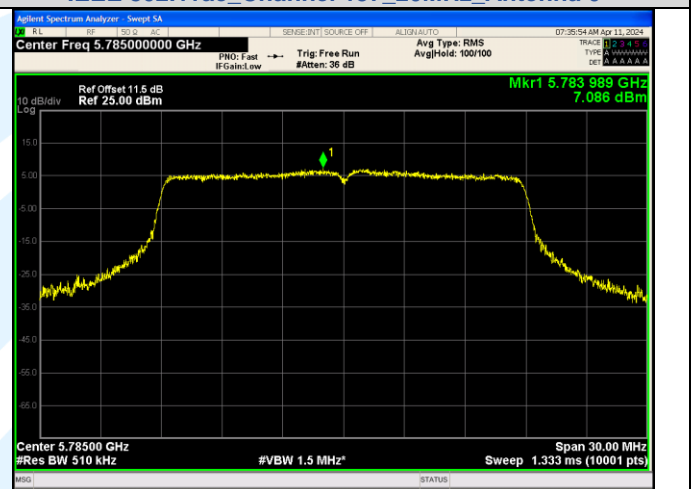
IEEE 802.11ac\_Channel 149\_20MHz\_Antenna 2



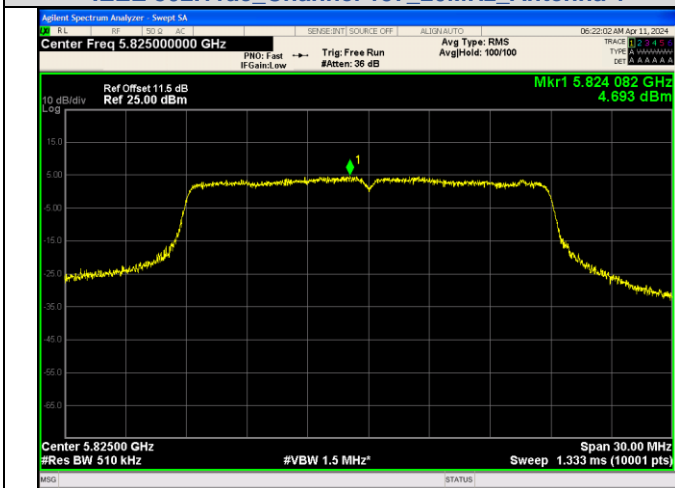
IEEE 802.11ac\_Channel 157\_20MHz\_Antenna 0



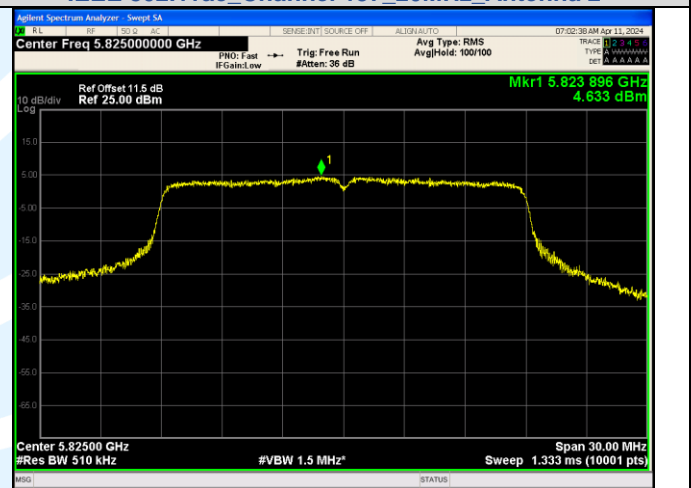
IEEE 802.11ac\_Channel 157\_20MHz\_Antenna 1



IEEE 802.11ac\_Channel 157\_20MHz\_Antenna 2



IEEE 802.11ac\_Channel 165\_20MHz\_Antenna 0



IEEE 802.11ac\_Channel 165\_20MHz\_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

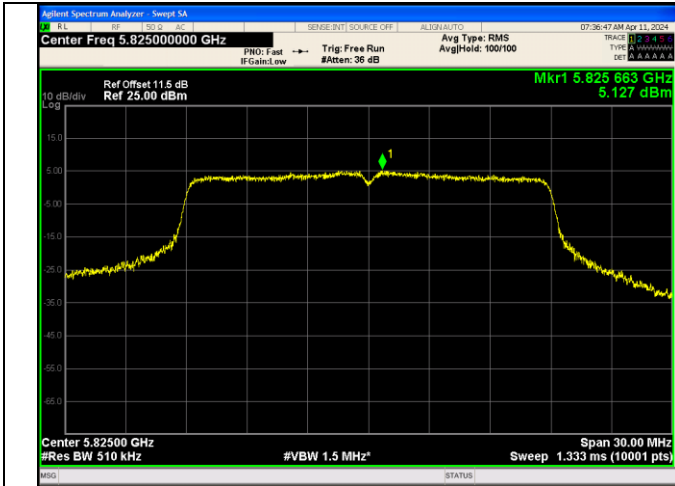
Fax: +86-755-28230886

E-mail: info@uttlab.com

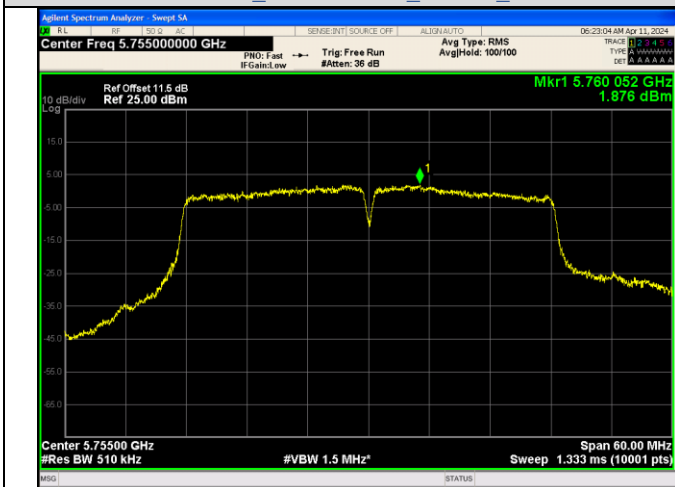
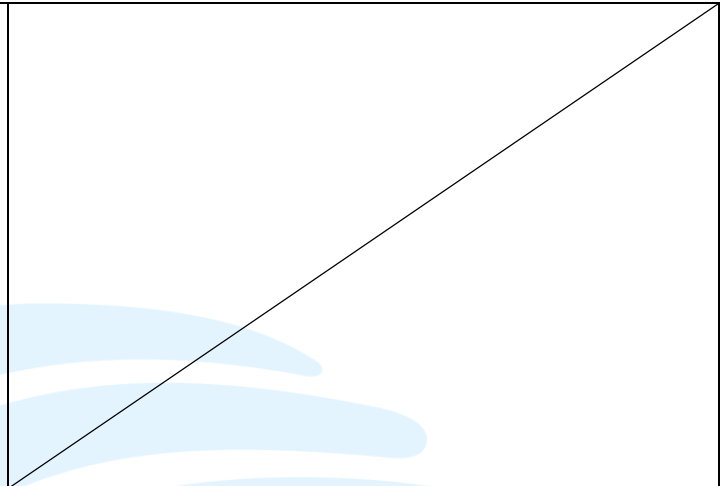
<http://www.uttlab.com>

UTTR-RF-EN300328-V1.2

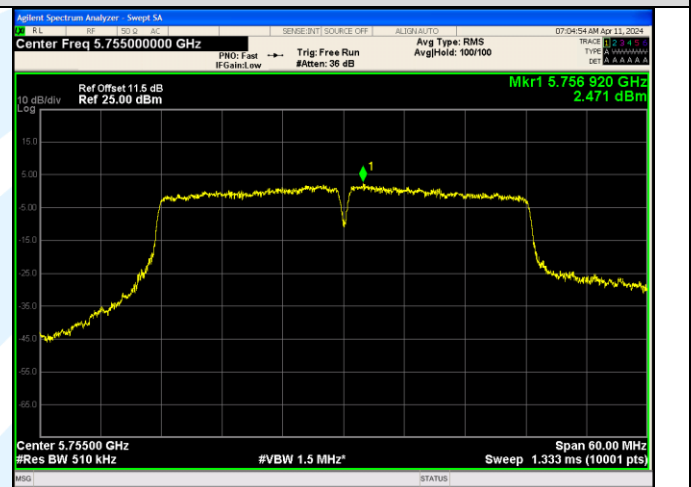




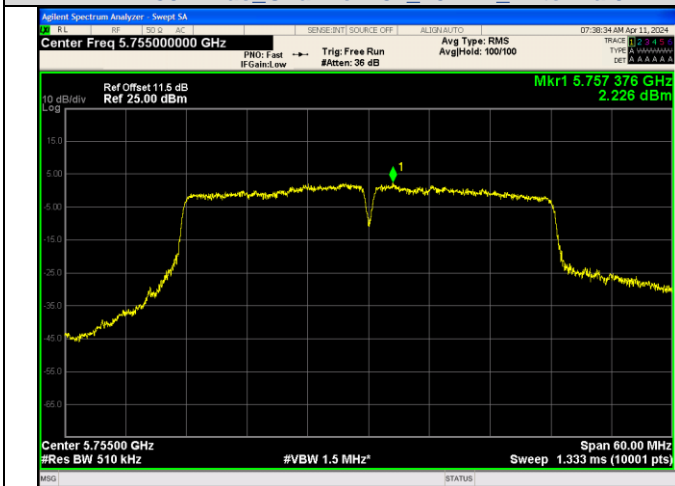
IEEE 802.11ac\_Channel 165\_20MHz\_Antenna 2



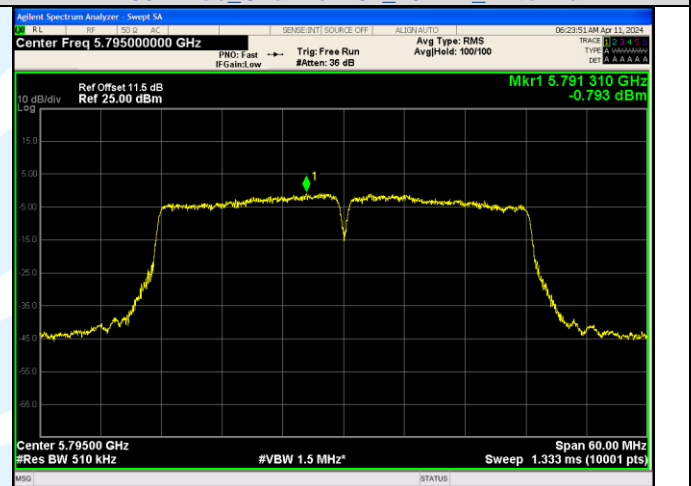
IEEE 802.11ac\_Channel 151\_40MHz\_Antenna 0



IEEE 802.11ac\_Channel 151\_40MHz\_Antenna 1



IEEE 802.11ac\_Channel 151\_40MHz\_Antenna 2



IEEE 802.11ac\_Channel 159\_40MHz\_Antenna 0

## 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

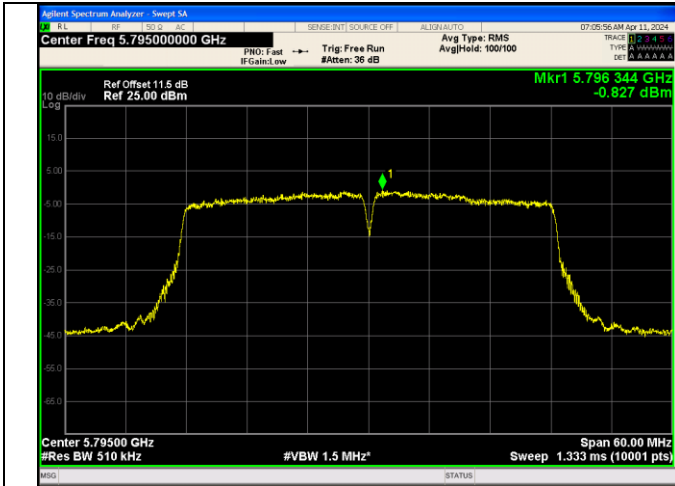
Tel: +86-755-28230888

Fax: +86-755-28230886

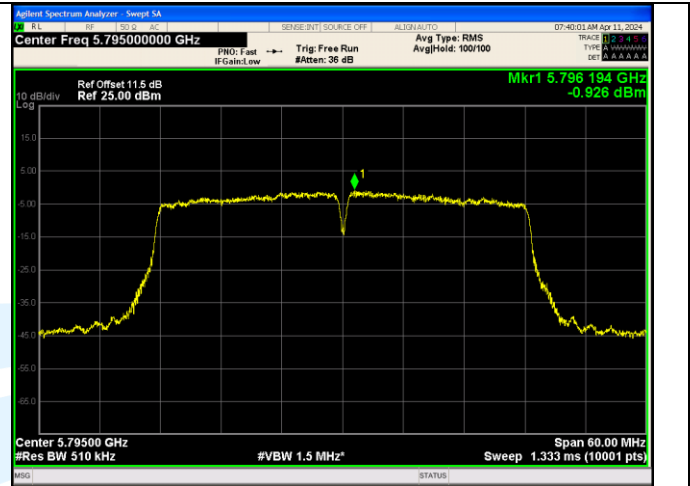
E-mail: info@uttlab.com

<http://www.uttlab.com>

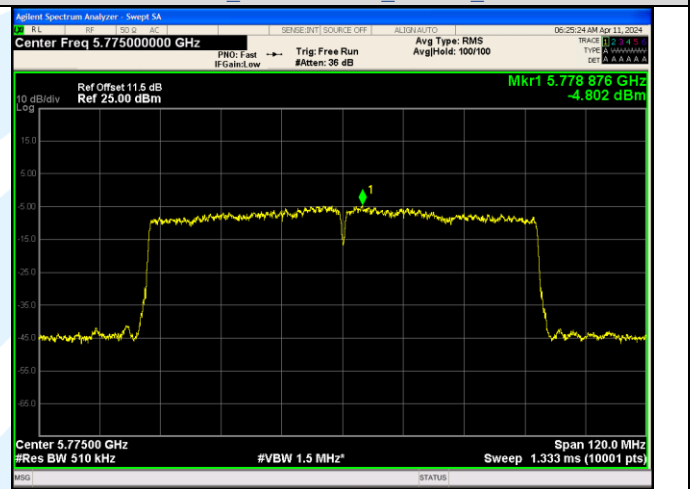
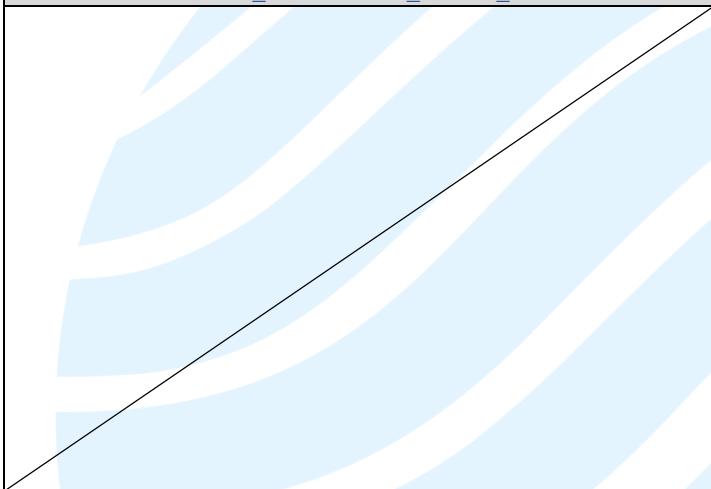
UTTR-RF-EN300328-V1.2



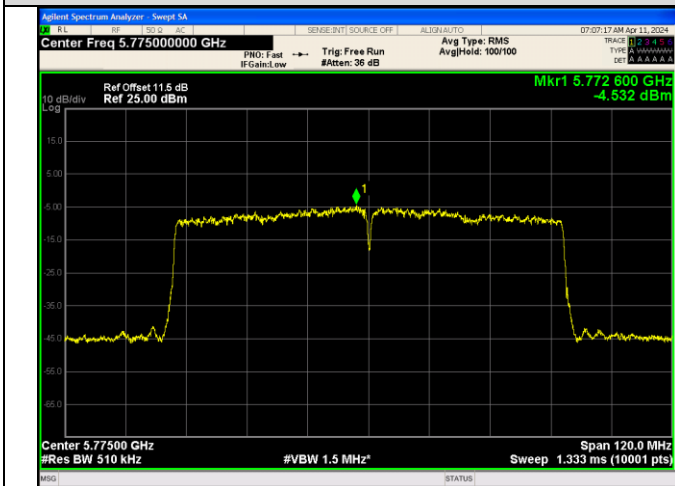
IEEE 802.11ac\_Channel 159\_40MHz\_Antenna 1



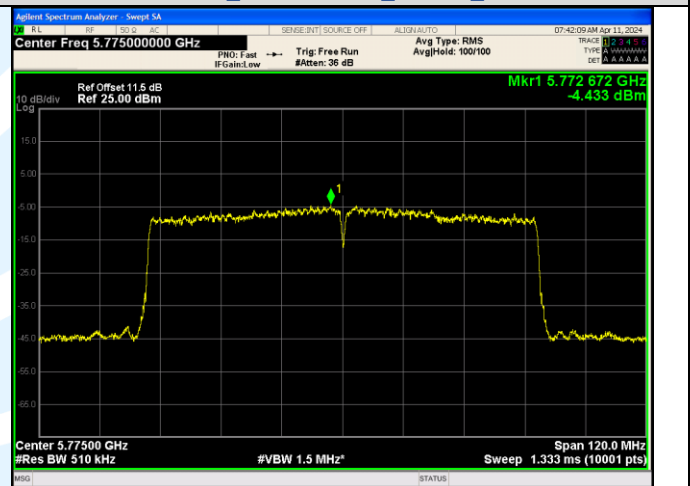
IEEE 802.11ac\_Channel 159\_40MHz\_Antenna 2



IEEE 802.11ac\_Channel 155\_80MHz\_Antenna 0



IEEE 802.11ac\_Channel 155\_80MHz\_Antenna 1



IEEE 802.11ac\_Channel 155\_80MHz\_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

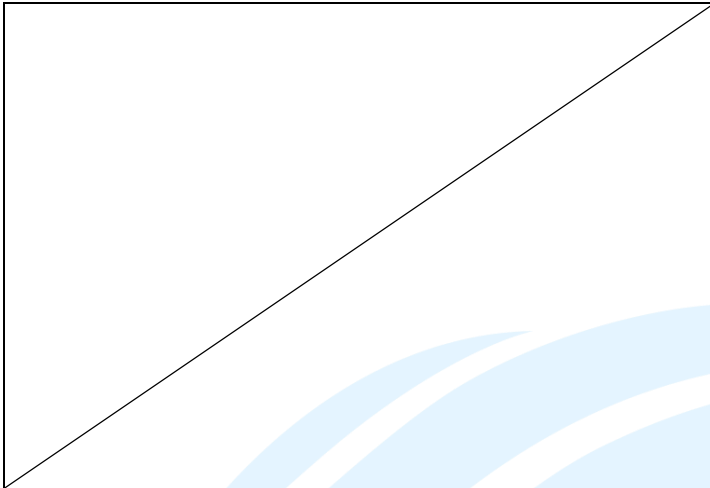
Tel: +86-755-28230888

Fax: +86-755-28230886

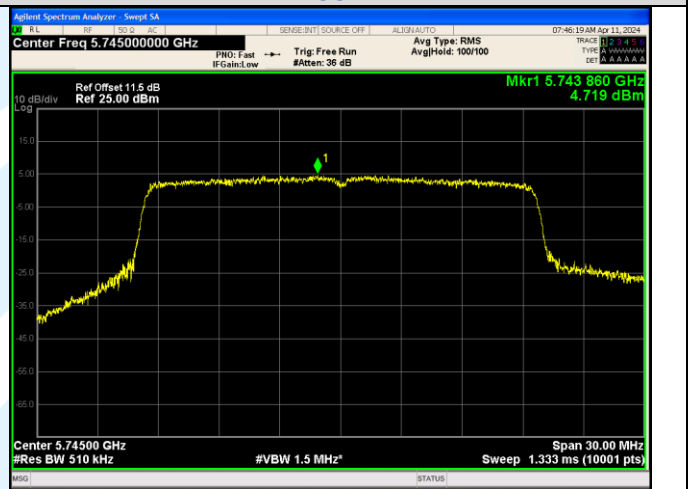
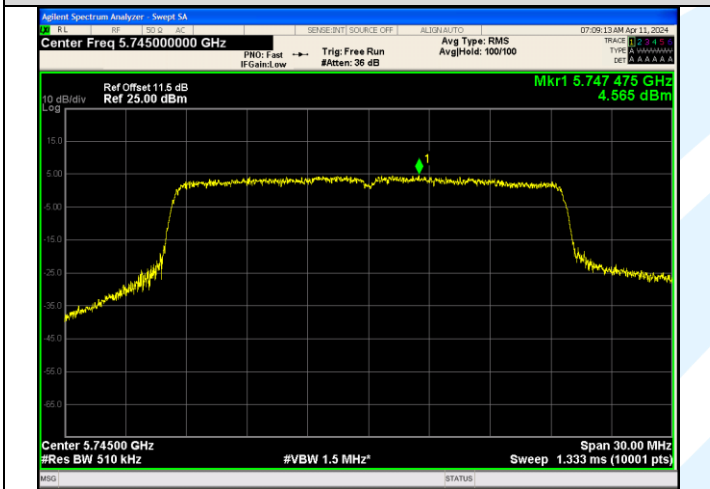
E-mail: info@uttlab.com

<http://www.uttlab.com>

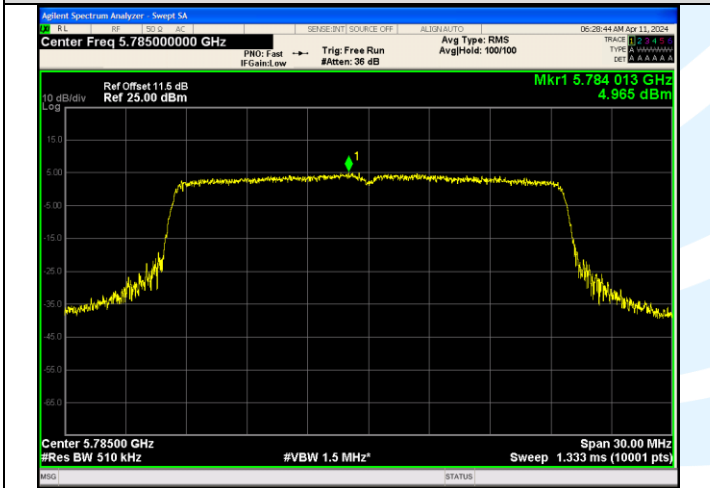
UTTR-RF-EN300328-V1.2



IEEE 802.11ax\_Channel 149\_20MHz\_Antenna 0\_RU&Index SU



IEEE 802.11ax\_Channel 149\_20MHz\_Antenna 2\_RU&Index SU



IEEE 802.11ax\_Channel 157\_20MHz\_Antenna 1\_RU&Index SU

## 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