

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	25.63	PASS	
IEEE 802.11n_20			-2.909	-2.697	-3.046	-2.709	-2.497	-2.846	2.090		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	

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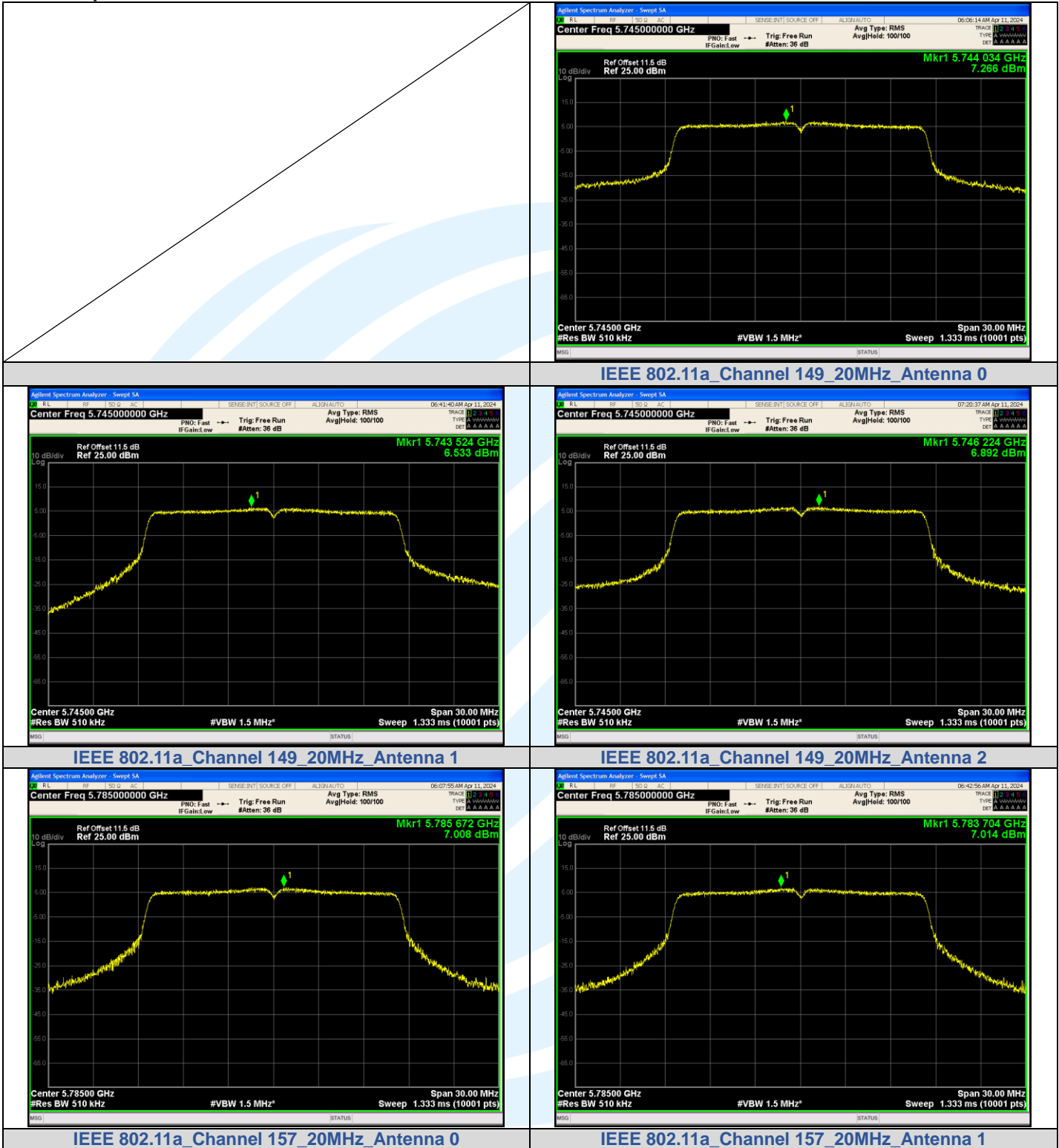
Fax: +86-755-28230886

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## Test Graphs



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

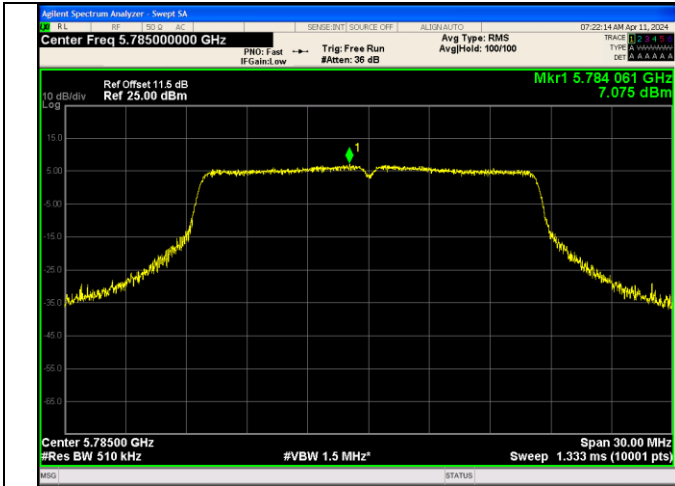
Tel: +86-755-28230888

Fax: +86-755-28230886

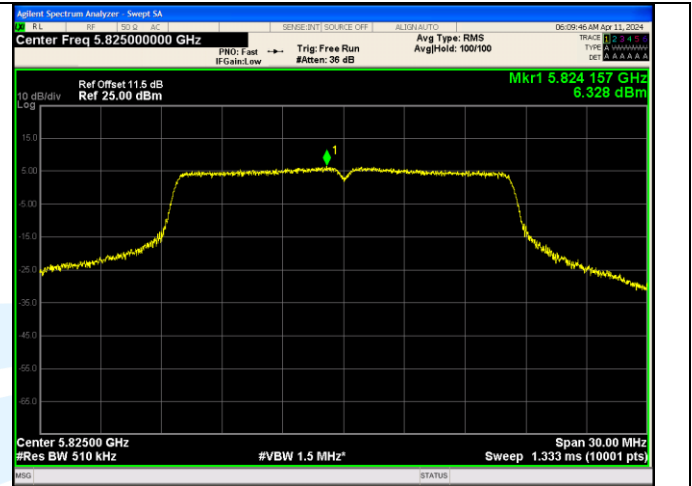
E-mail: info@uttlab.com

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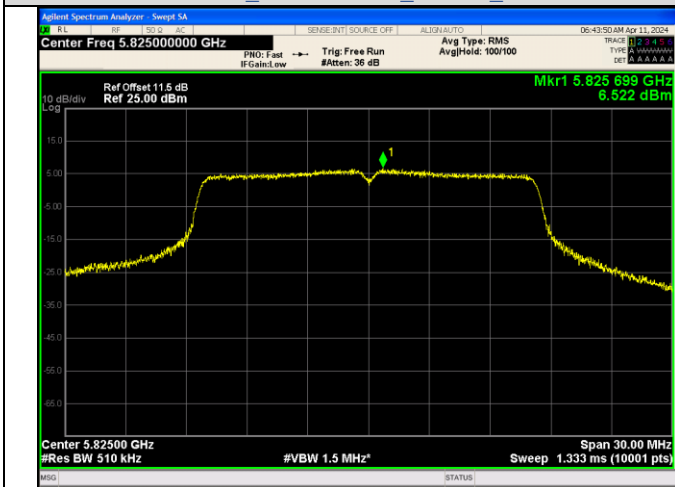
UTTR-RF-EN300328-V1.2



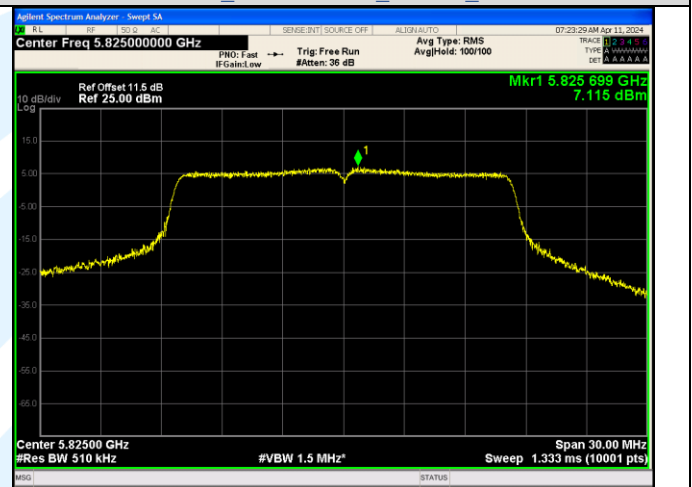
IEEE 802.11a\_Channel 157\_20MHz\_Antenna 2



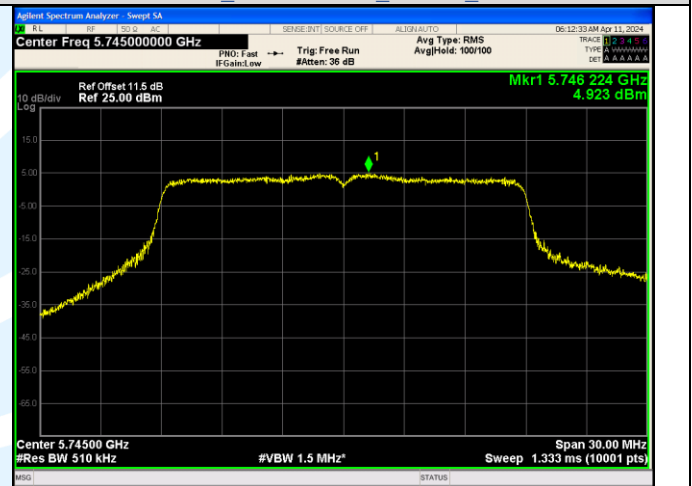
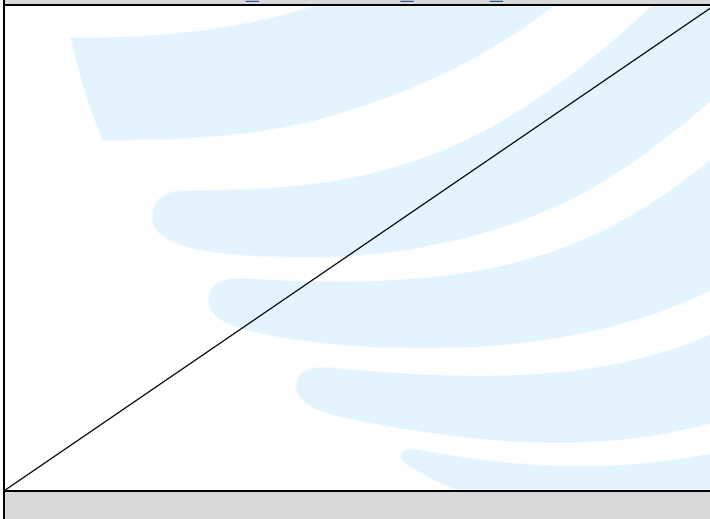
IEEE 802.11a\_Channel 165\_20MHz\_Antenna 0



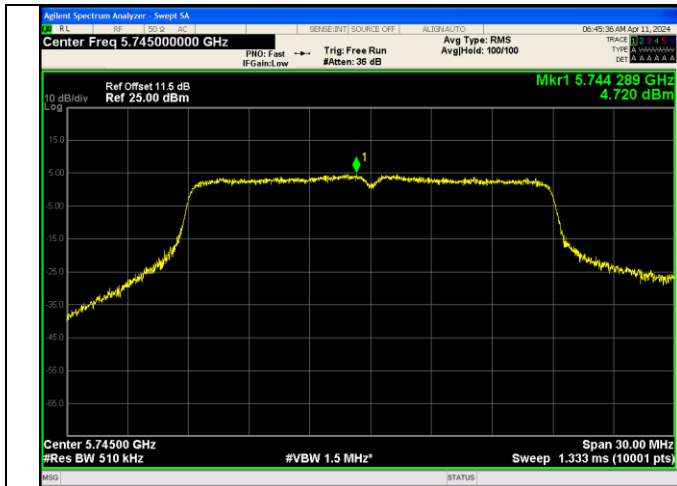
IEEE 802.11a\_Channel 165\_20MHz\_Antenna 1



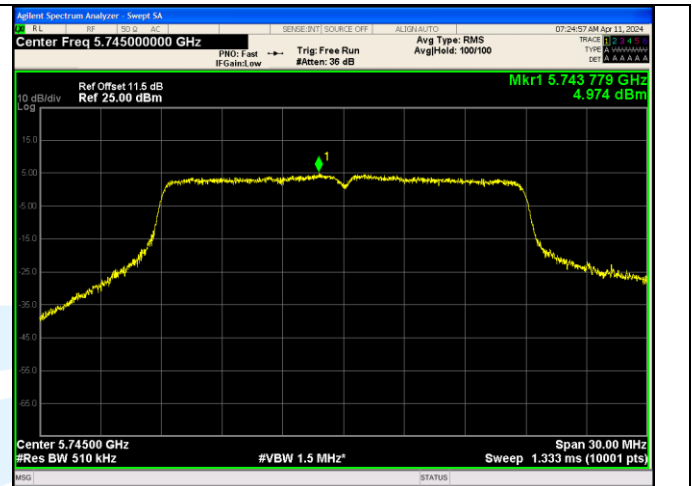
IEEE 802.11a\_Channel 165\_20MHz\_Antenna 2



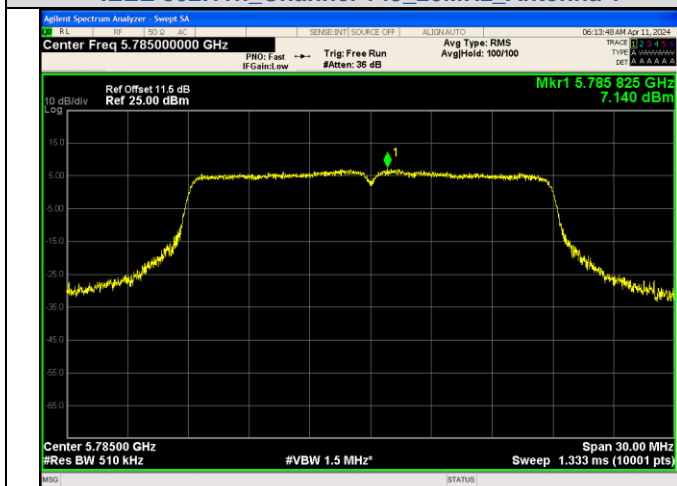
IEEE 802.11n\_Channel 149\_20MHz\_Antenna 0



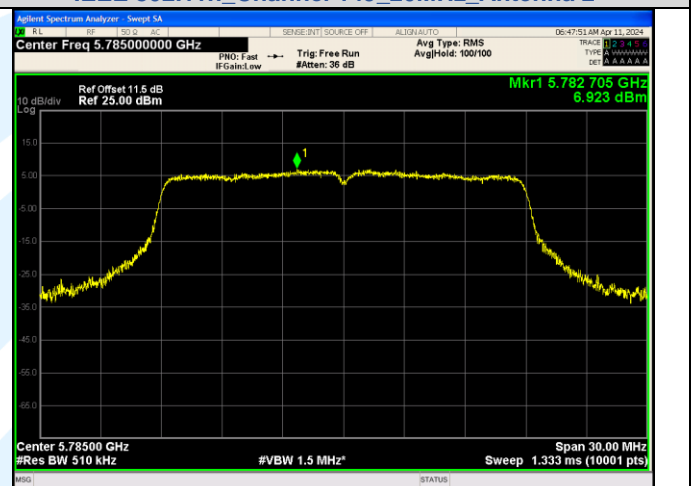
IEEE 802.11n\_Channel 149\_20MHz\_Antenna 1



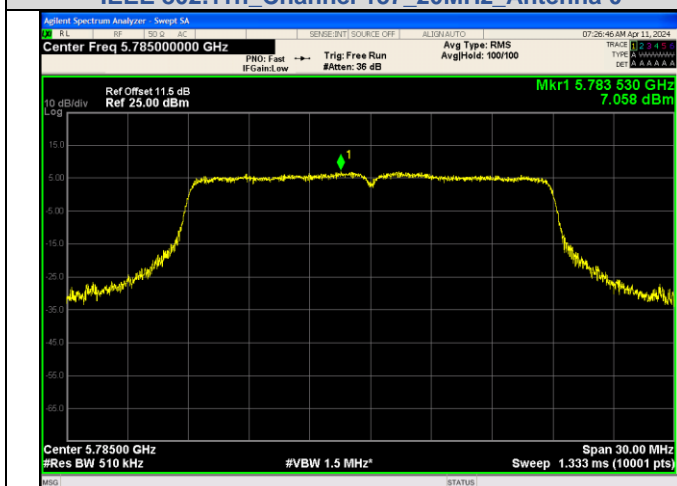
IEEE 802.11n\_Channel 149\_20MHz\_Antenna 2



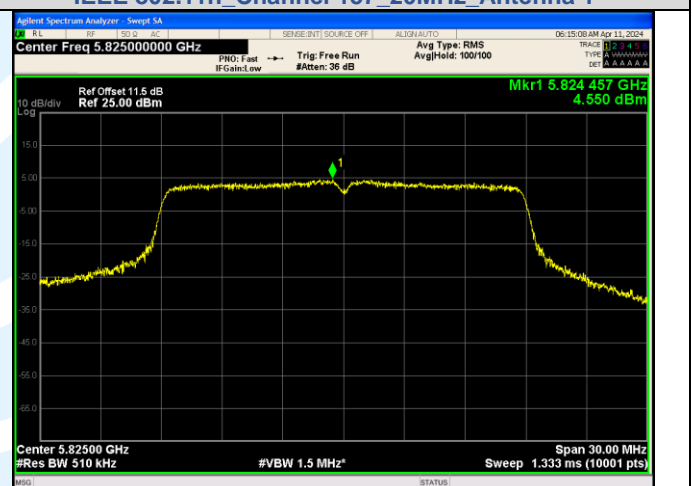
IEEE 802.11n\_Channel 157\_20MHz\_Antenna 0



IEEE 802.11n\_Channel 157\_20MHz\_Antenna 1



IEEE 802.11n\_Channel 157\_20MHz\_Antenna 2



IEEE 802.11n\_Channel 165\_20MHz\_Antenna 0

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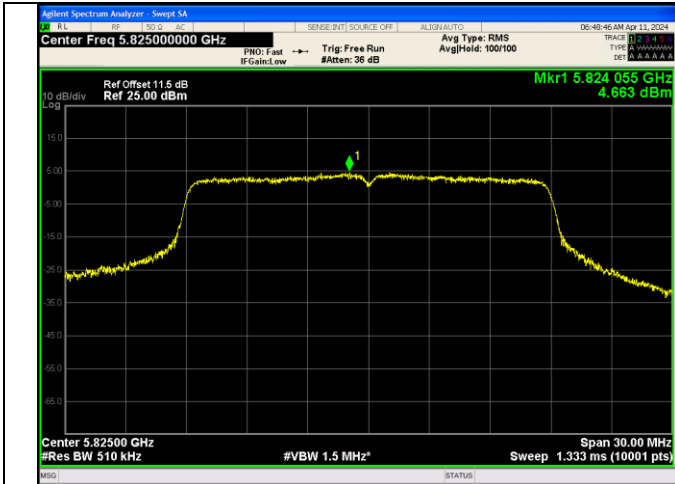
Tel: +86-755-28230888

Fax: +86-755-28230886

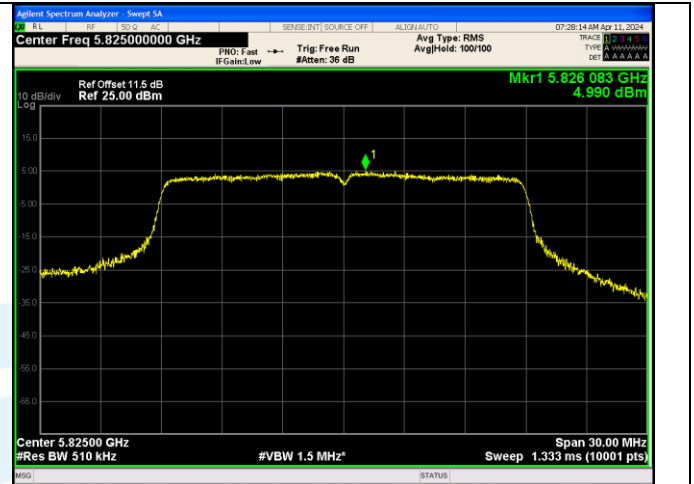
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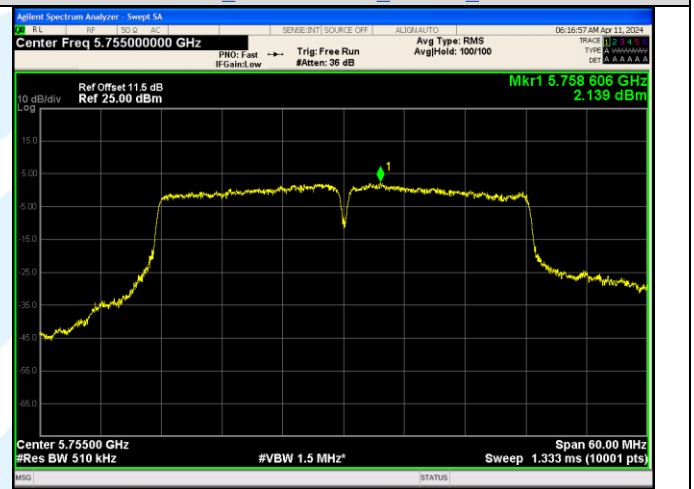
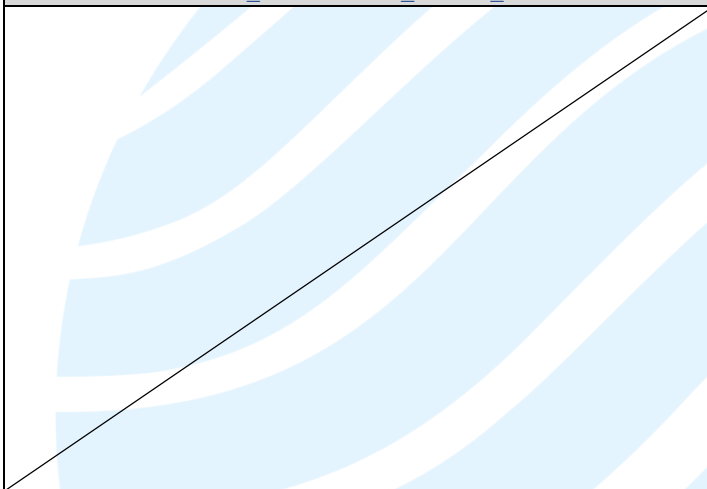
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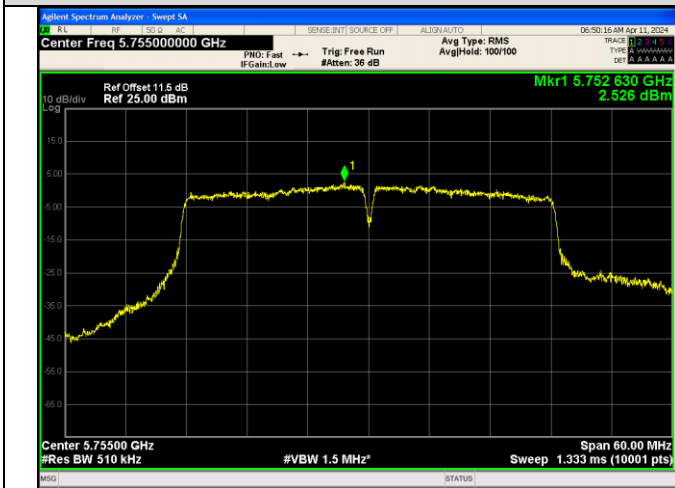
IEEE 802.11n\_Channel 165\_20MHz\_Antenna 1



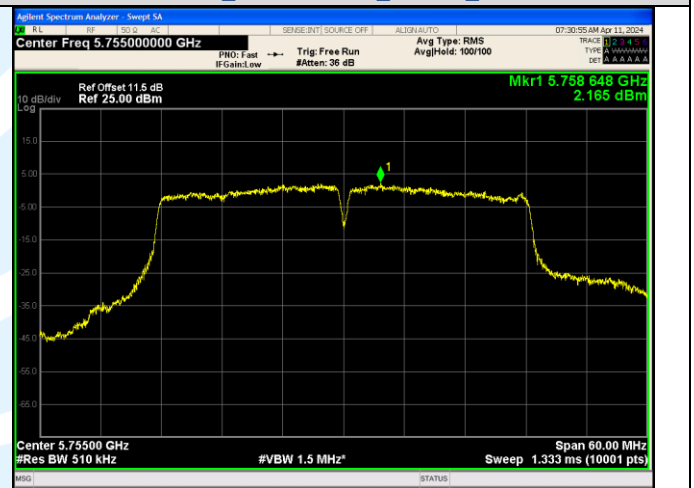
IEEE 802.11n\_Channel 165\_20MHz\_Antenna 2



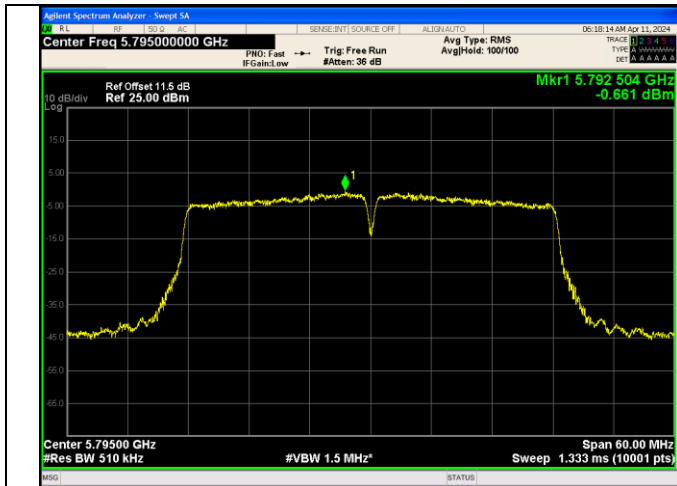
IEEE 802.11n\_Channel 151\_40MHz\_Antenna 0



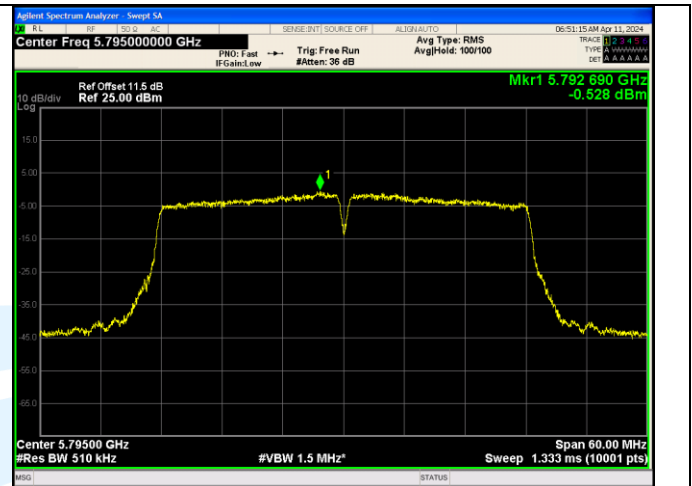
IEEE 802.11n\_Channel 151\_40MHz\_Antenna 1



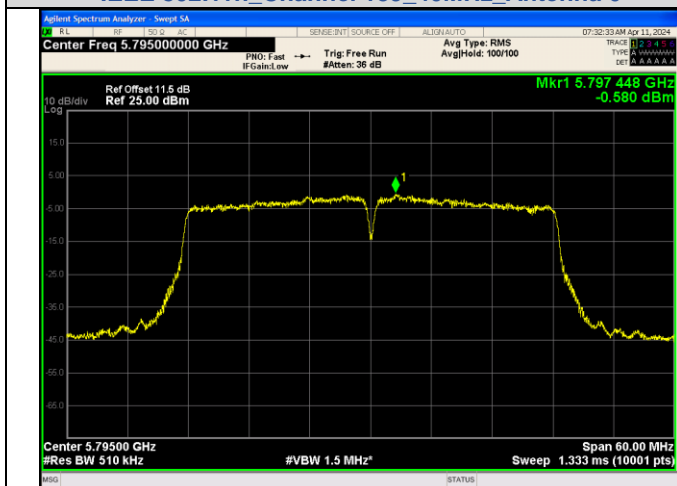
IEEE 802.11n\_Channel 151\_40MHz\_Antenna 2



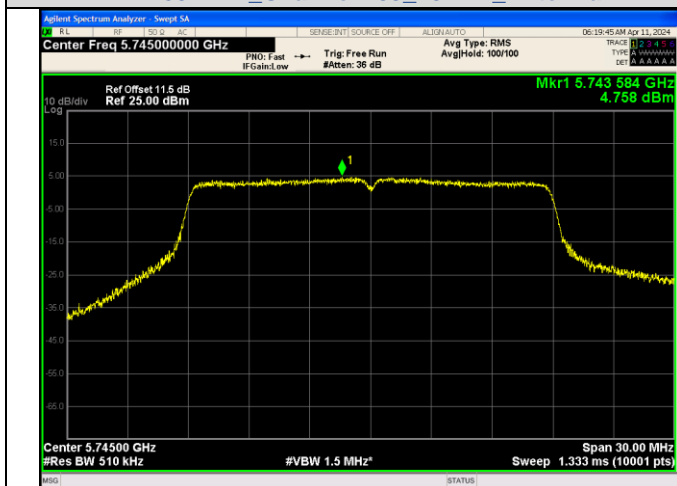
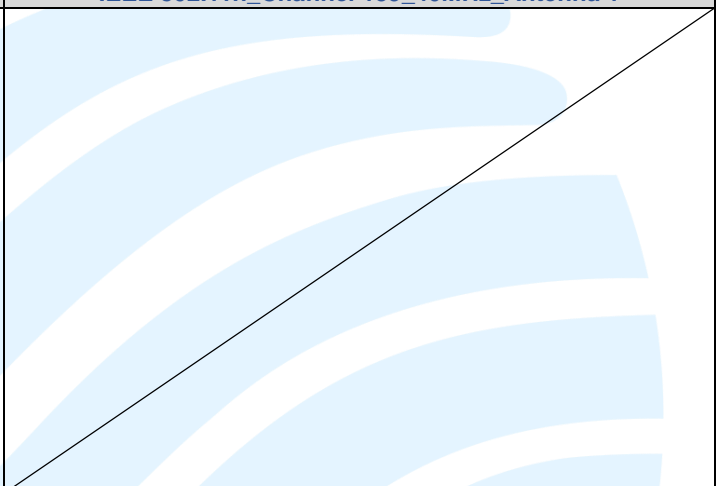
IEEE 802.11n\_Channel 159\_40MHz\_Antenna 0



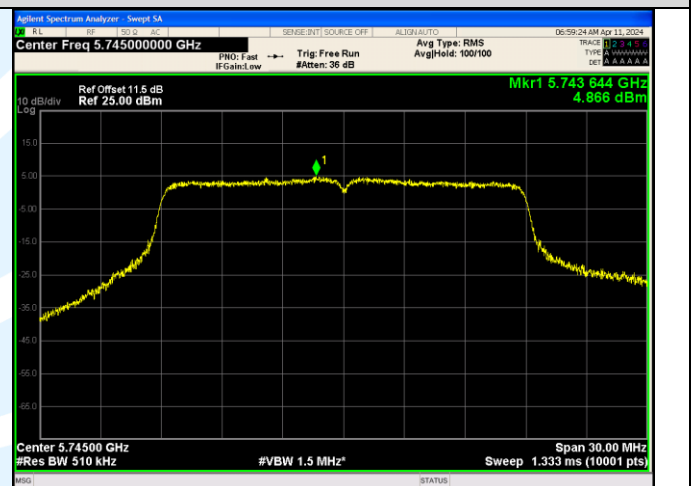
IEEE 802.11n\_Channel 159\_40MHz\_Antenna 1



IEEE 802.11n\_Channel 159\_40MHz\_Antenna 2



IEEE 802.11ac\_Channel 149\_20MHz\_Antenna 0



IEEE 802.11ac\_Channel 149\_20MHz\_Antenna 1

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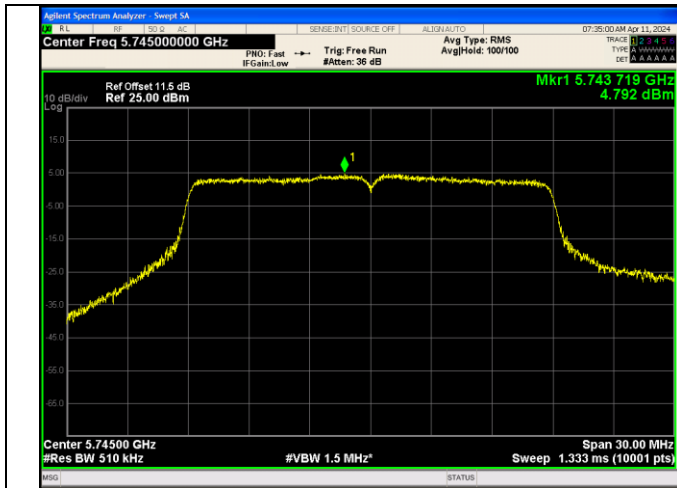
Tel: +86-755-28230888

Fax: +86-755-28230886

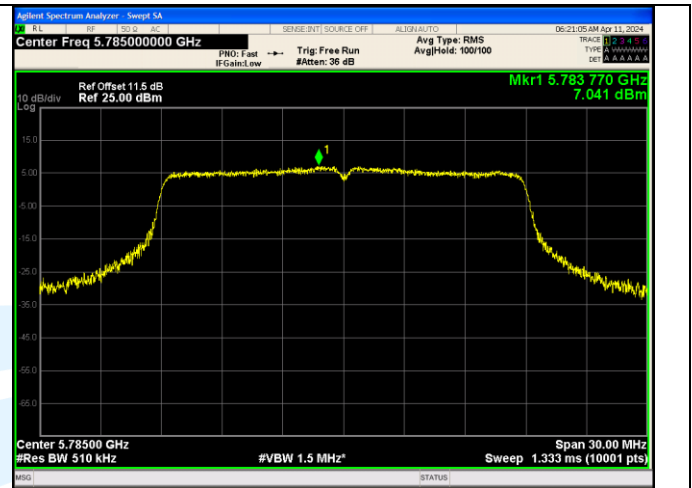
E-mail: info@uttlab.com

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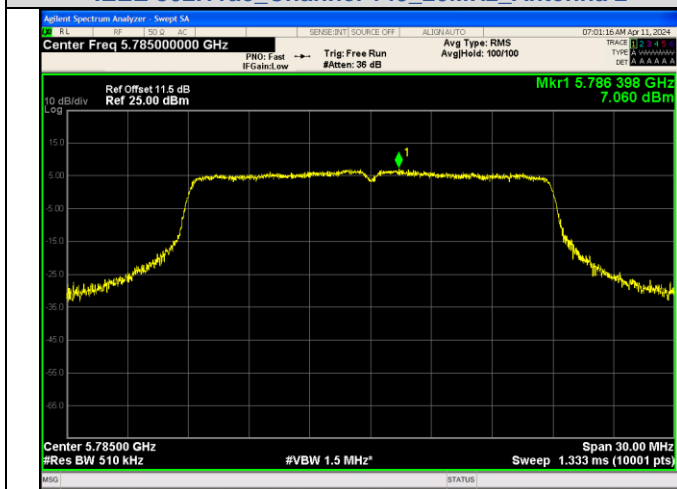
UTTR-RF-EN300328-V1.2



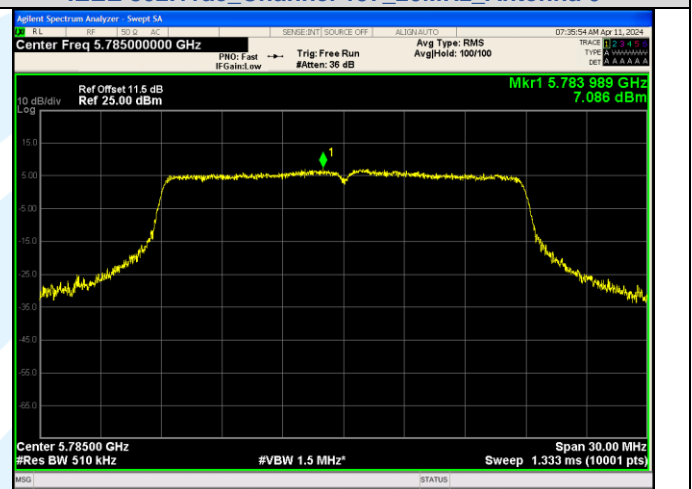
IEEE 802.11ac\_Channel 149\_20MHz\_Antenna 2



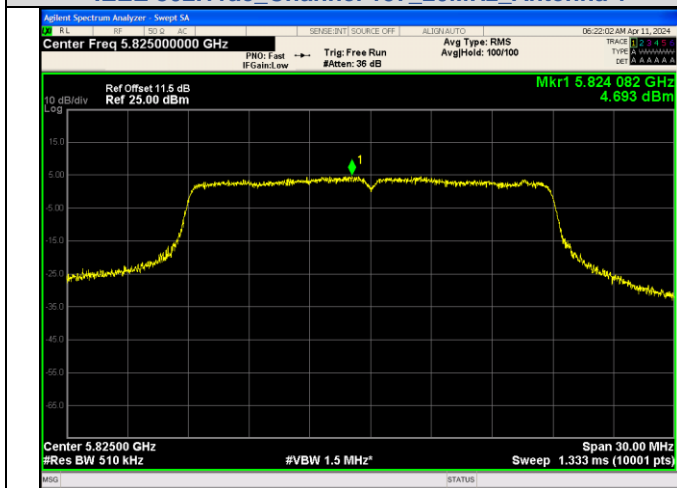
IEEE 802.11ac\_Channel 157\_20MHz\_Antenna 0



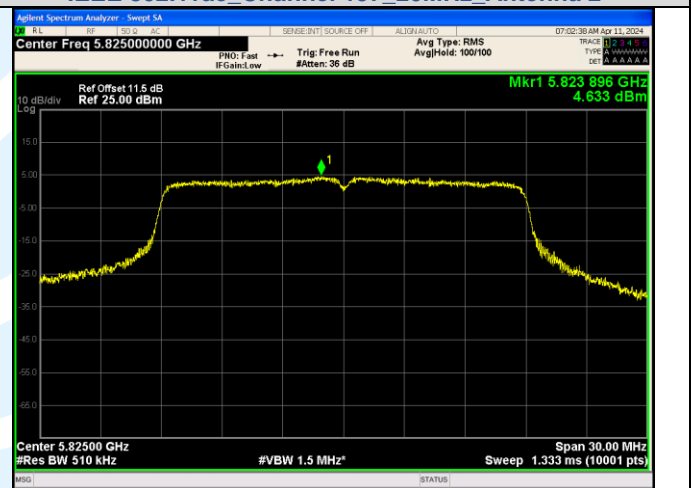
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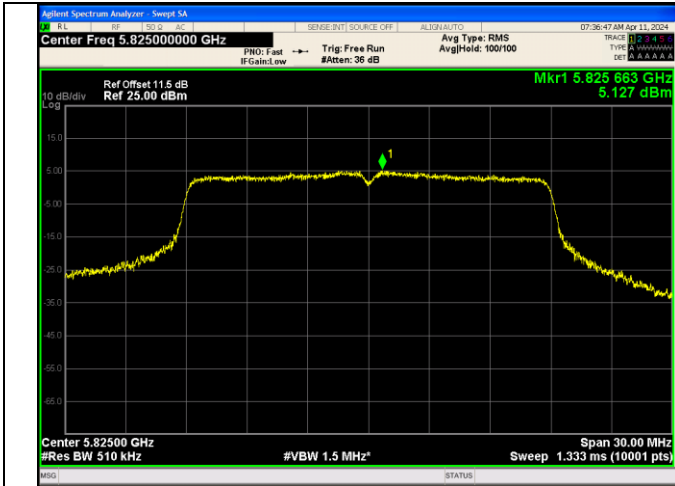
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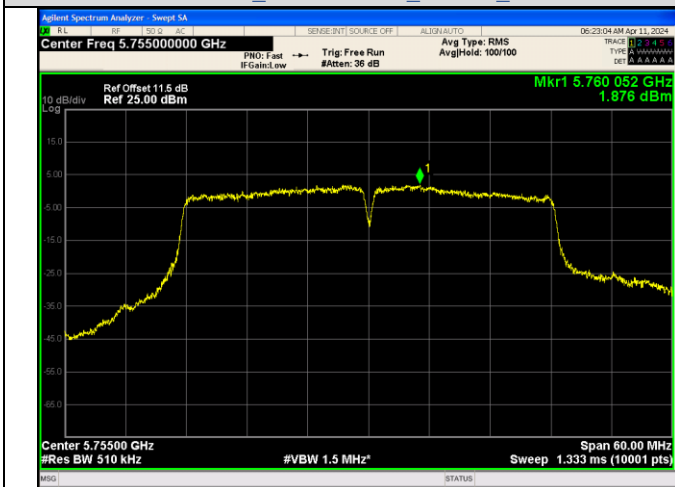
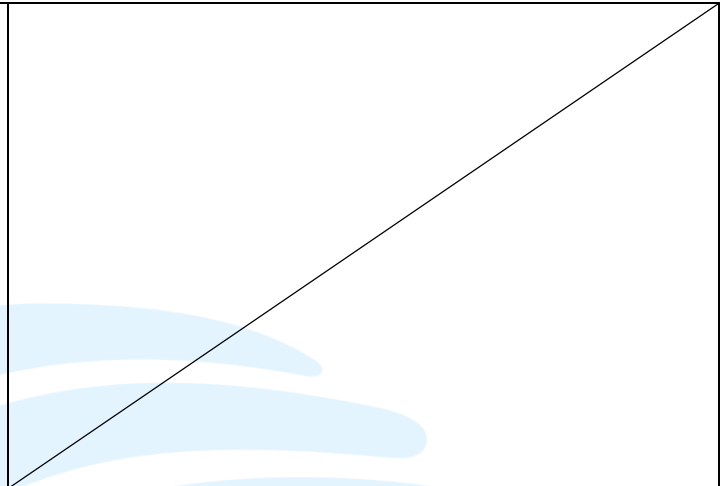
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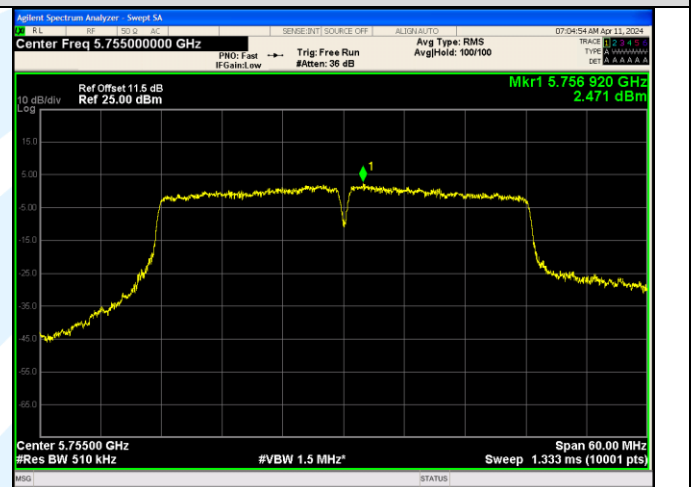
IEEE 802.11ac\_Channel 165\_20MHz\_Antenna 1



IEEE 802.11ac\_Channel 165\_20MHz\_Antenna 2



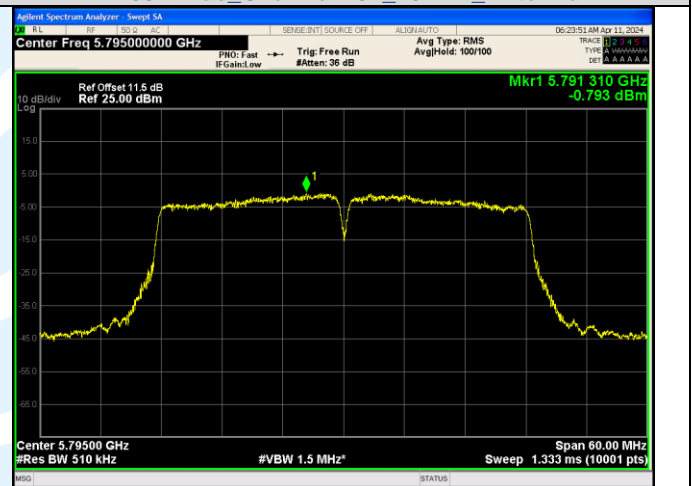
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IEEE 802.11ac\_Channel 151\_40MHz\_Antenna 1

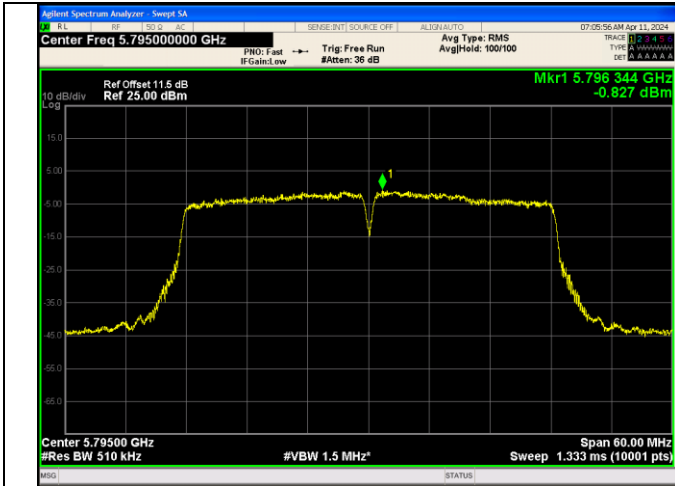


IEEE 802.11ac\_Channel 151\_40MHz\_Antenna 2

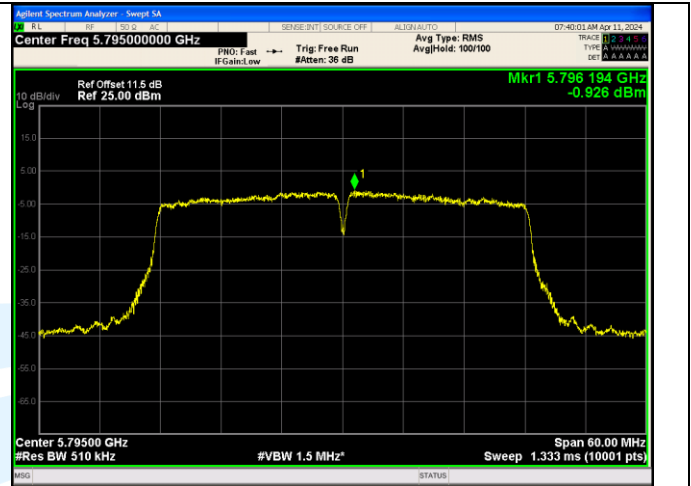


IEEE 802.11ac\_Channel 159\_40MHz\_Antenna 0

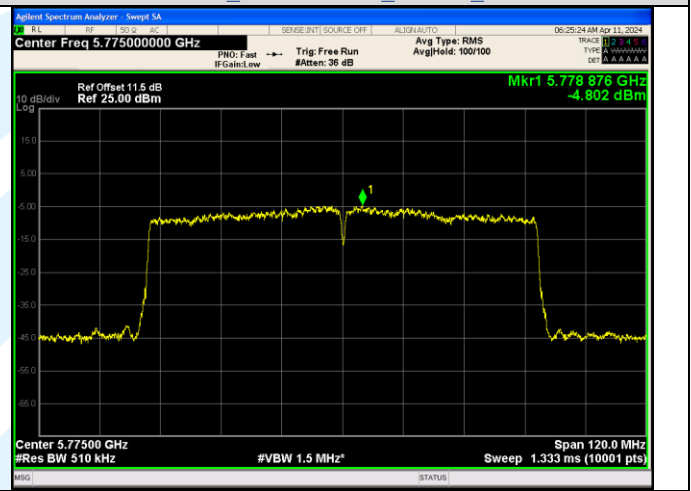
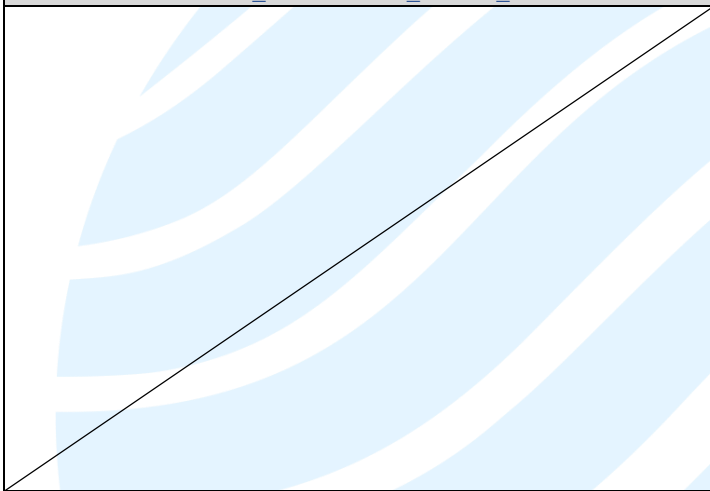




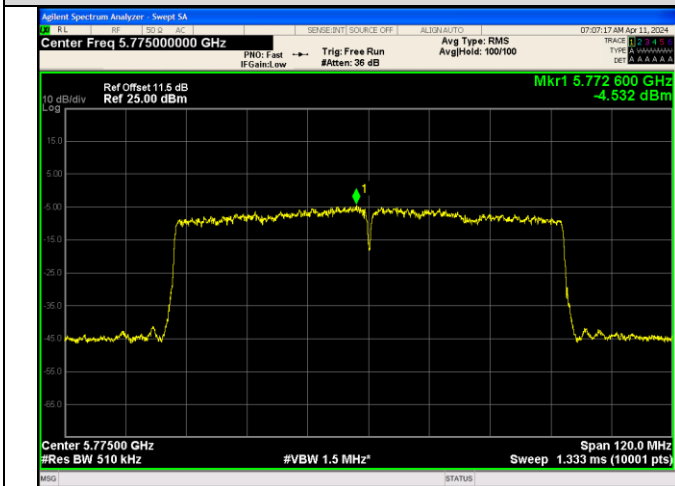
IEEE 802.11ac\_Channel 159\_40MHz\_Antenna 1



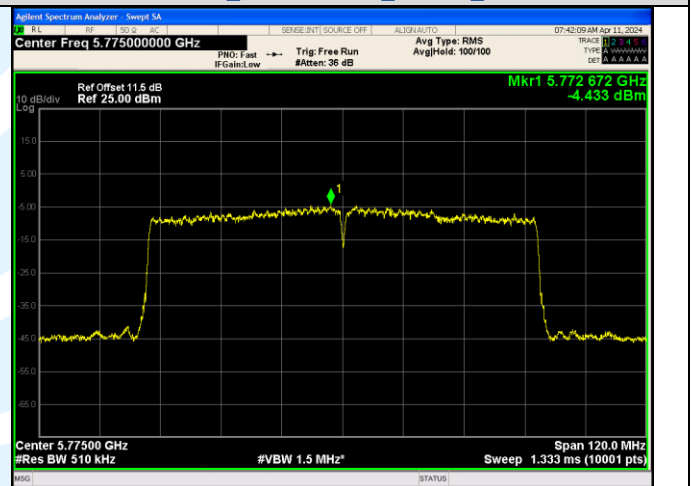
IEEE 802.11ac\_Channel 159\_40MHz\_Antenna 2



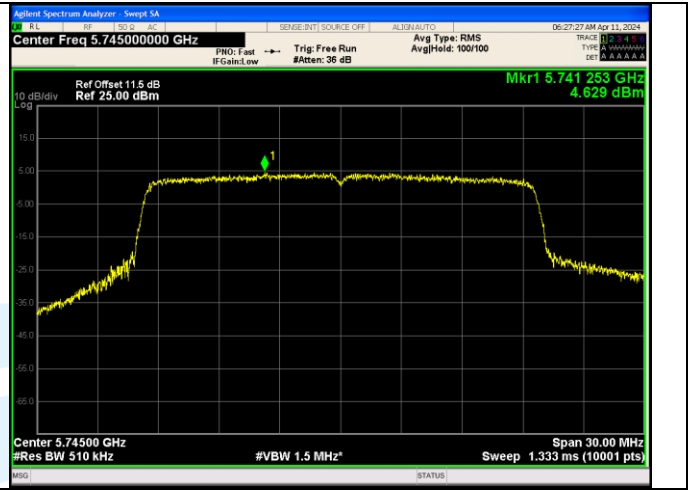
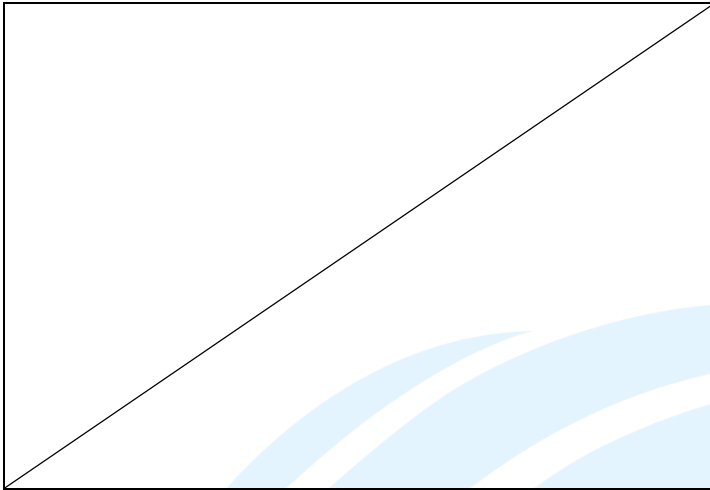
IEEE 802.11ac\_Channel 155\_80MHz\_Antenna 0



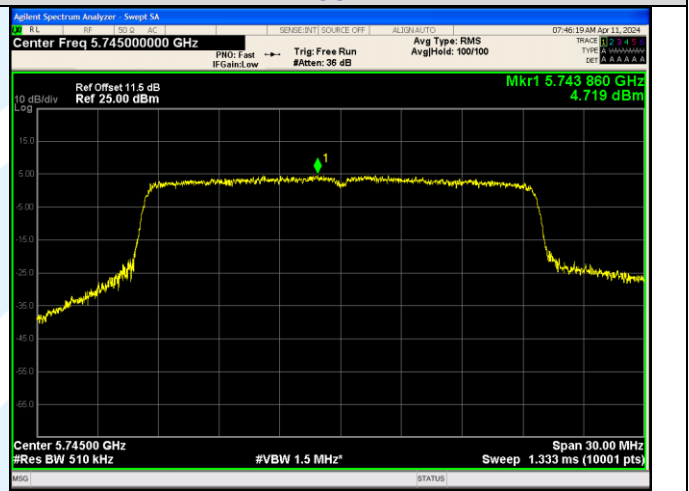
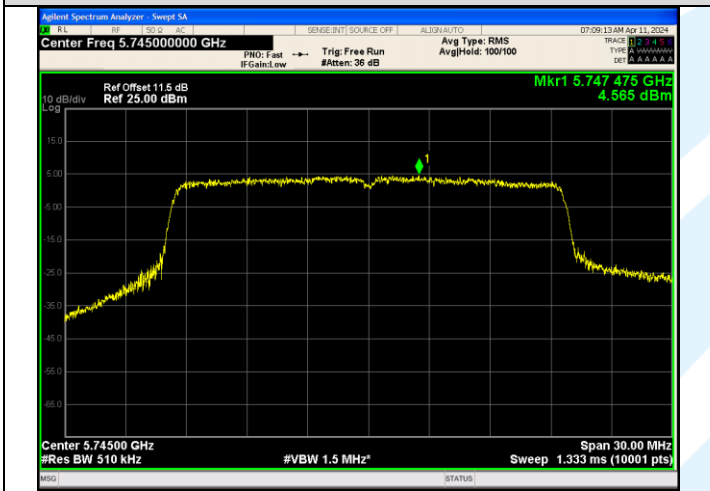
IEEE 802.11ac\_Channel 155\_80MHz\_Antenna 1



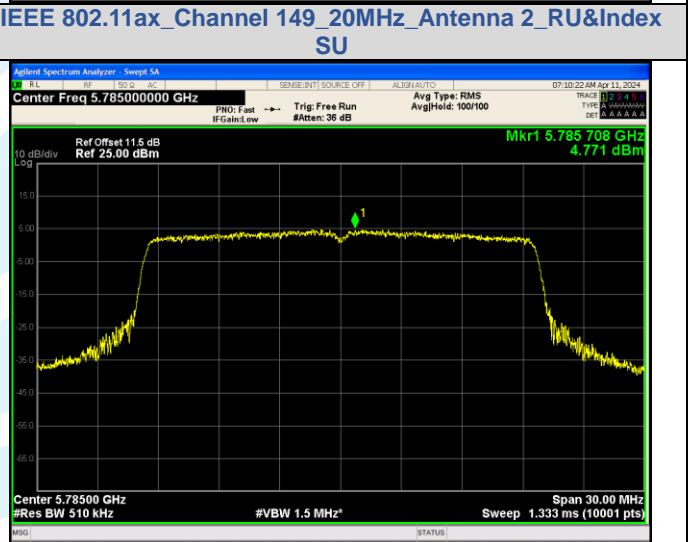
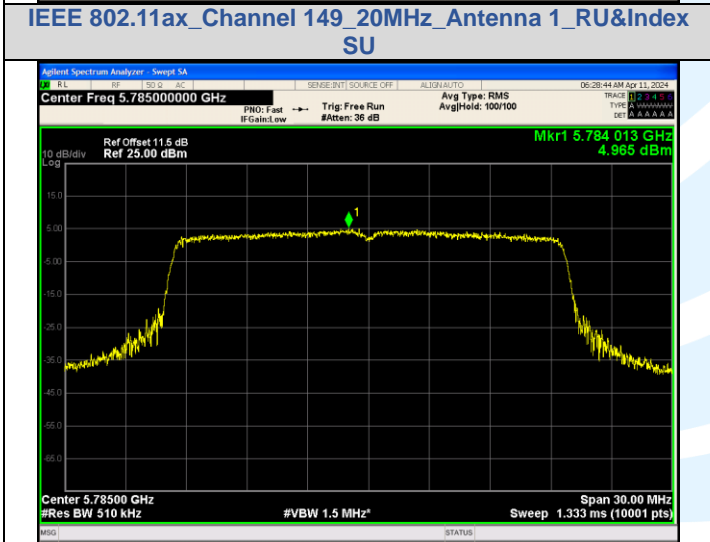
IEEE 802.11ac\_Channel 155\_80MHz\_Antenna 2



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

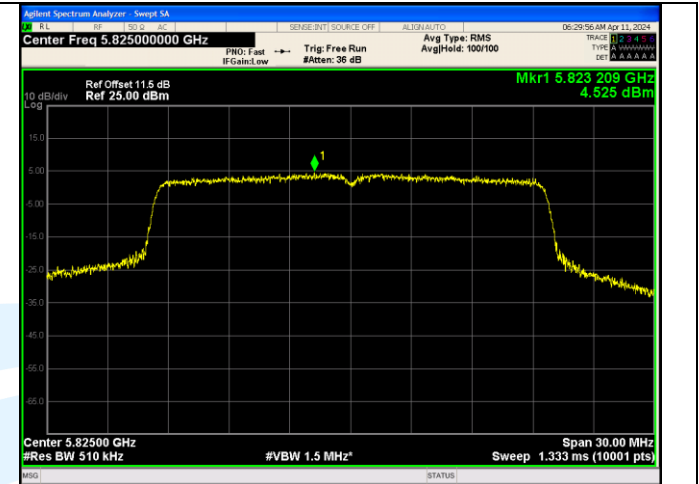
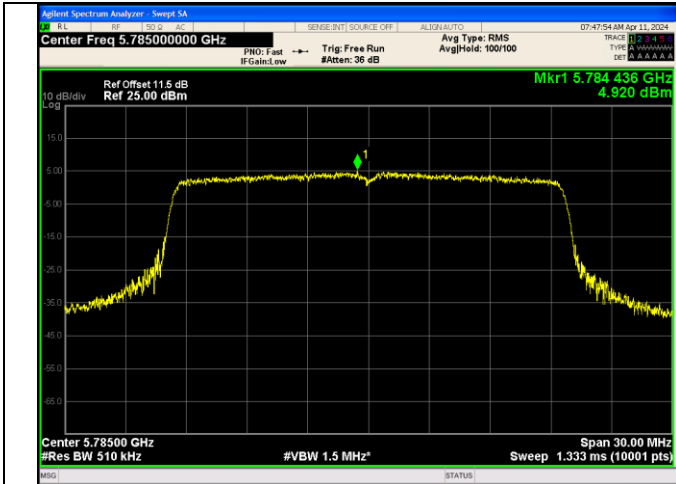


IEEE 802.11ax\_Channel 149\_20MHz\_Antenna 2\_RU&Index SU



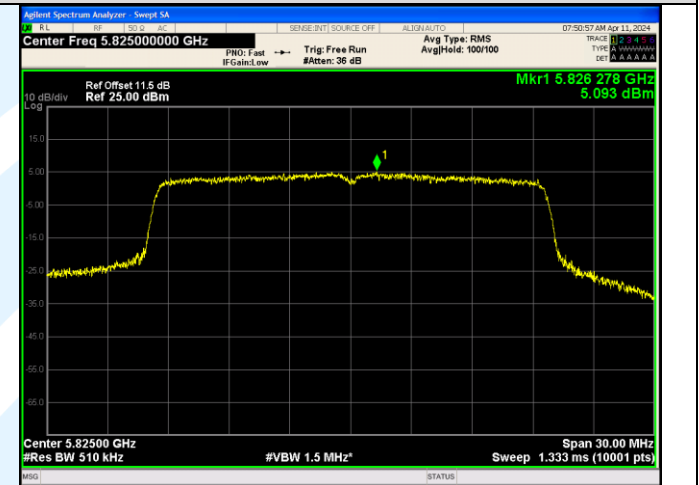
IEEE 802.11ax\_Channel 157\_20MHz\_Antenna 1\_RU&Index SU

IEEE 802.11ax\_Channel 157\_20MHz\_Antenna 0\_RU&Index SU



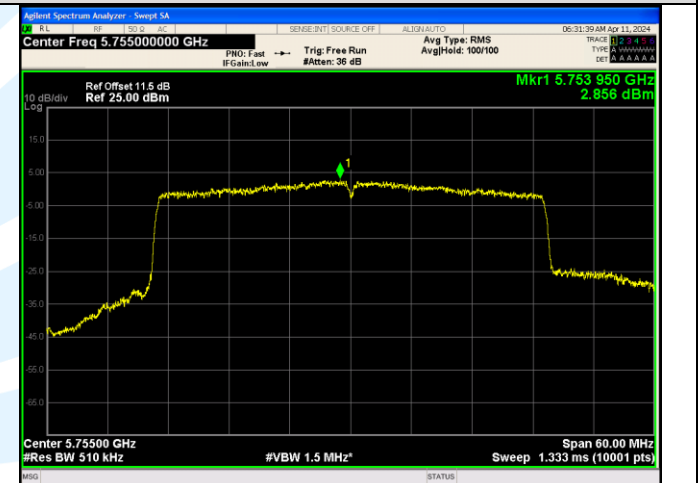
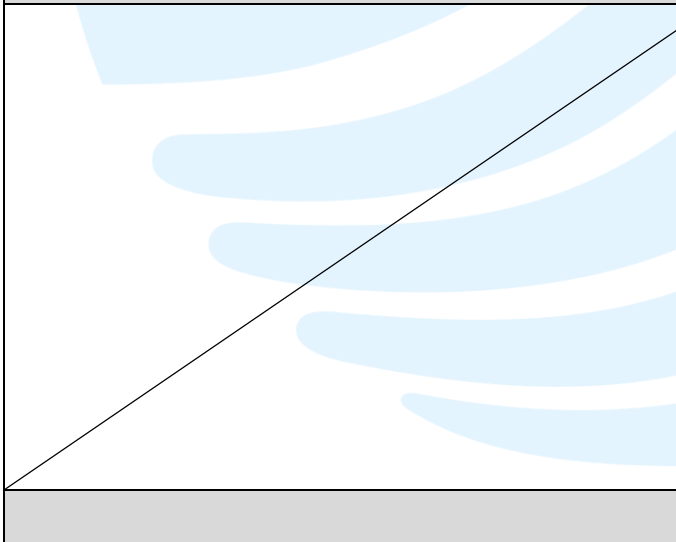
IEEE 802.11ax\_Channel 157\_20MHz\_Antenna 2\_RU&Index SU

IEEE 802.11ax\_Channel 165\_20MHz\_Antenna 0\_RU&Index SU

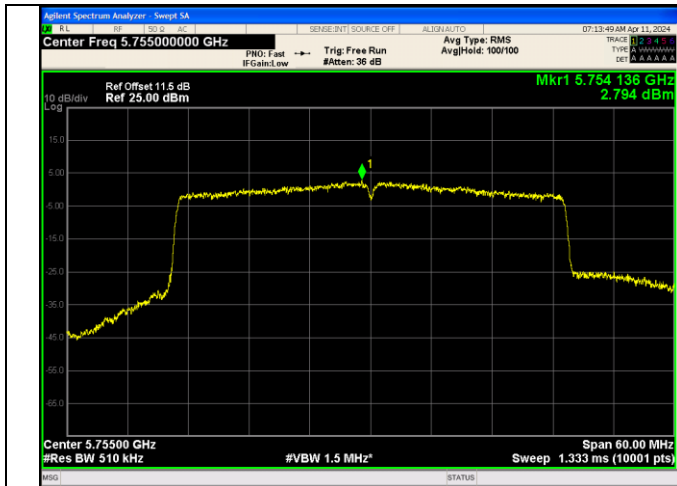


IEEE 802.11ax\_Channel 165\_20MHz\_Antenna 1\_RU&Index SU

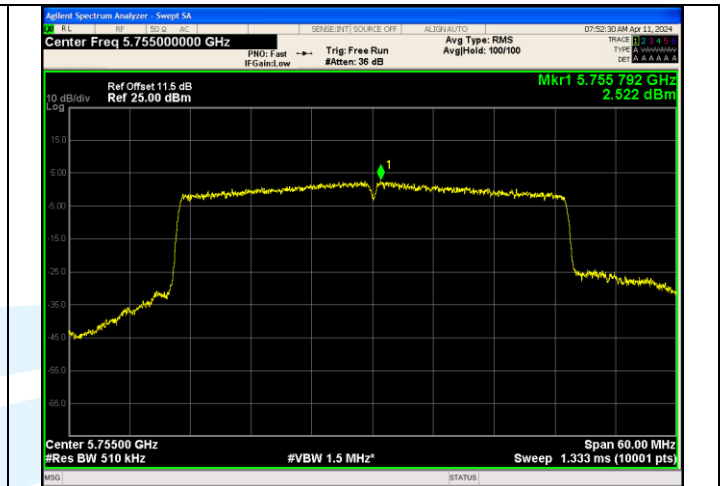
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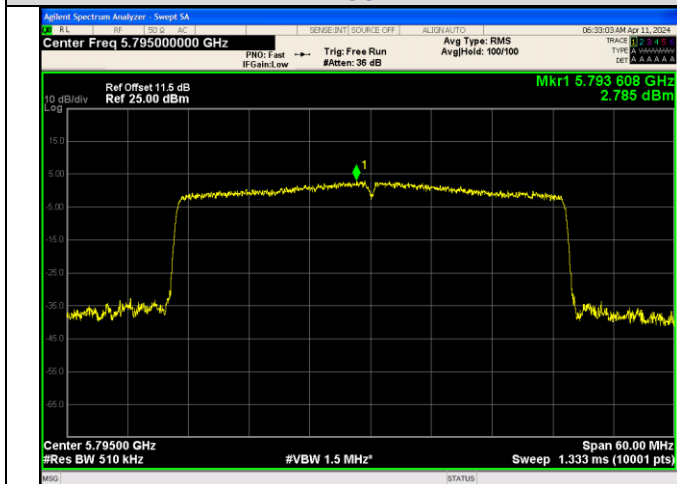
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna 0\_RU&Index SU



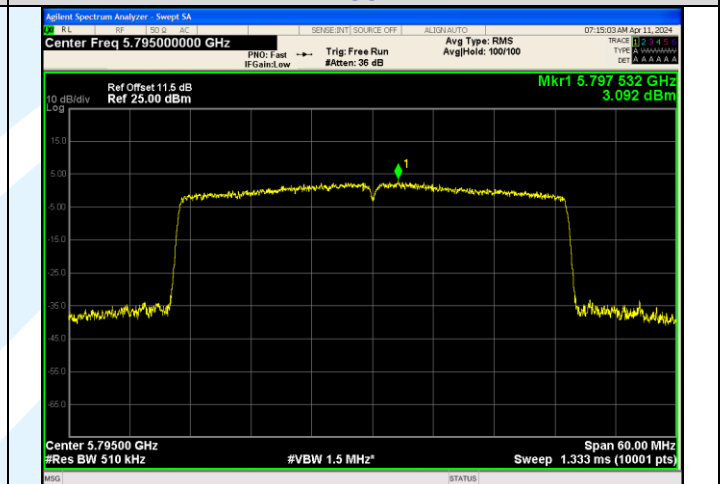
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna 1\_RU&Index SU



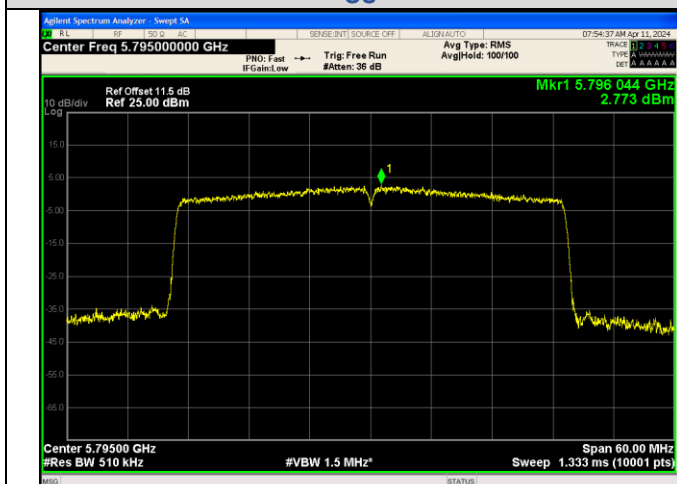
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna 2\_RU&Index SU



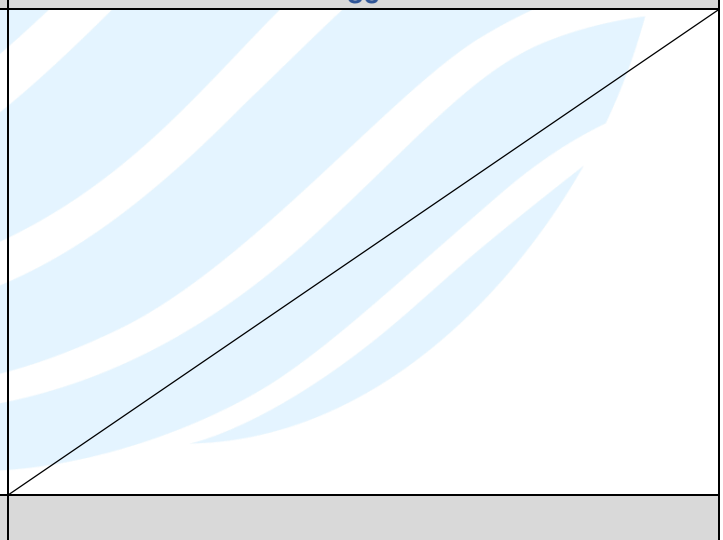
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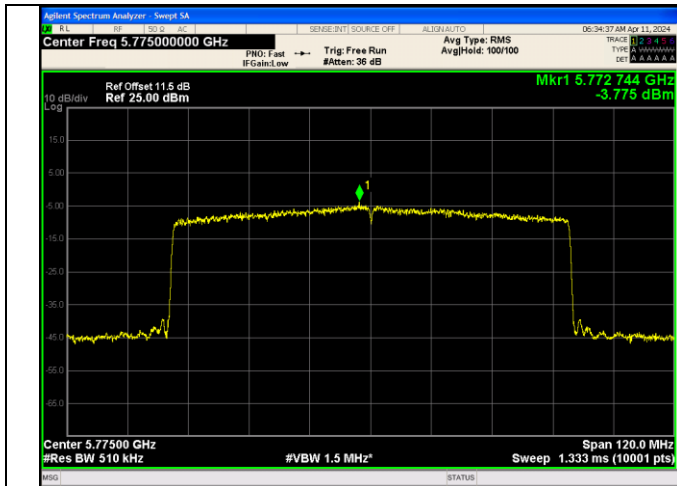


IEEE 802.11ax\_Channel 159\_40MHz\_Antenna 1\_RU&Index SU

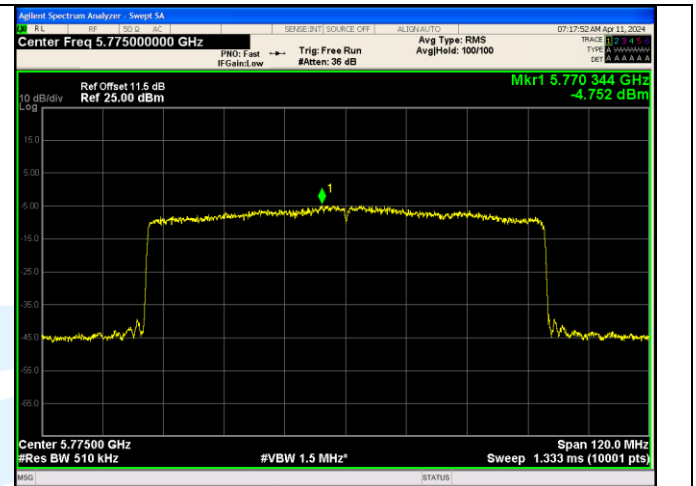


IEEE 802.11ax\_Channel 159\_40MHz\_Antenna 2\_RU&Index SU

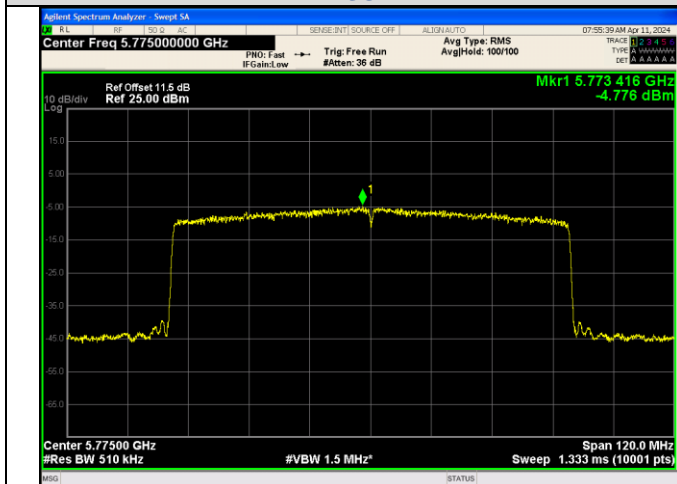




IEEE 802.11ax\_Channel 155\_80MHz\_Antenna 0\_RU&Index  
SU



IEEE 802.11ax\_Channel 155\_80MHz\_Antenna 1\_RU&Index  
SU



IEEE 802.11ax\_Channel 155\_80MHz\_Antenna 2\_RU&Index  
SU

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UTTR-RF-EN300328-V1.2

### A.4 6DB BANDWIDTH

For U-NII-3 Band:

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result		
IEEE 802.11a	149	N/A	0	5745	16.33	0.5	PASS		
			1	5745	16.33		PASS		
			2	5745	16.32		PASS		
	157		0	5785	16.05		PASS		
			1	5785	16.04		PASS		
			2	5785	16.32		PASS		
	165		0	5825	16.04		PASS		
			1	5825	16.32		PASS		
			2	5825	16.30		PASS		
IEEE 802.11n_20	149	N/A	0	5745	16.83	0.5	PASS		
			1	5745	17.55		PASS		
			2	5745	17.54		PASS		
	157		0	5785	16.99		PASS		
			1	5785	17.57		PASS		
			2	5785	17.56		PASS		
	165		0	5825	17.30		PASS		
			1	5825	17.56		PASS		
			2	5825	17.54		PASS		
IEEE 802.11n_40	151	N/A	0	5755	35.12	0.5	PASS		
			1	5755	35.12		PASS		
			2	5755	35.11		PASS		
	159		0	5795	35.12		PASS		
			1	5795	35.10		PASS		
			2	5795	35.12		PASS		
IEEE 802.11ac_20	149	N/A	0	5745	17.53	0.5	PASS		
			1	5745	17.57		PASS		
			2	5745	17.54		PASS		
	157		0	5785	16.92		PASS		
			1	5785	17.29		PASS		
			2	5785	17.52		PASS		
	165		0	5825	16.77		PASS		
			1	5825	17.53		PASS		
			2	5825	17.54		PASS		
IEEE 802.11ac_40	151	N/A	0	5755	35.11	0.5	PASS		
			1	5755	35.11		PASS		
			2	5755	35.08		PASS		
	159		0	5795	35.12		PASS		
			1	5795	35.12		PASS		
			2	5795	35.11		PASS		
IEEE 802.11ac_80	155	N/A	0	5775	75.10	0.5	PASS		
			1	5775	75.07		PASS		
			2	5775	75.07		PASS		
IEEE 802.11ax_20	149		SU	0	5745		18.69	0.5	PASS
				1	5745		18.32		PASS
				2	5745		18.76		PASS
	157	0		5785	18.92	PASS			
		1		5785	17.89	PASS			
		2		5785	18.34	PASS			
	165	0		5825	18.47	PASS			
		1		5825	18.89	PASS			
		2		5825	18.52	PASS			
IEEE 802.11ax_40	151	SU	0	5755	35.06	0.5	PASS		
			1	5755	36.28		PASS		
			2	5755	35.10		PASS		
	159		0	5795	36.03		PASS		
			1	5795	37.10		PASS		
			2	5795	35.11		PASS		

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UTTR-RF-EN300328-V1.2

IEEE 802.11ax_80	155		0	5775	75.11		PASS
			1	5775	75.06		PASS
			2	5775	75.09		PASS

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	144	N/A	0	5740	3.173	0.5	PASS
			1	5740	3.181		PASS
			2	5740	3.175		PASS
IEEE 802.11n_20	144		0	5740	3.792		PASS
			1	5740	3.814		PASS
			2	5740	3.802		PASS
IEEE 802.11n_40	142		0	5755	3.161		PASS
			1	5755	3.186		PASS
			2	5755	3.181		PASS
IEEE 802.11ac_20	144		0	5740	3.801		PASS
			1	5740	3.816		PASS
			2	5740	3.786		PASS
IEEE 802.11ac_40	142	0	5755	3.132	PASS		
		1	5755	3.196	PASS		
		2	5755	3.174	PASS		
IEEE 802.11ac_80	138	0	5785	3.146	PASS		
		1	5785	3.186	PASS		
		2	5785	3.172	PASS		
IEEE 802.11ax_20	144	SU	0	5740	4.485	0.5	PASS
			1	5740	4.475		PASS
			2	5740	4.506		PASS
IEEE 802.11ax_40	142		0	5755	4.033		PASS
			1	5755	4.066		PASS
			2	5755	4.032		PASS
IEEE 802.11ax_80	138		0	5785	4.018		PASS
			1	5785	4.004		PASS
			2	5785	4.023		PASS

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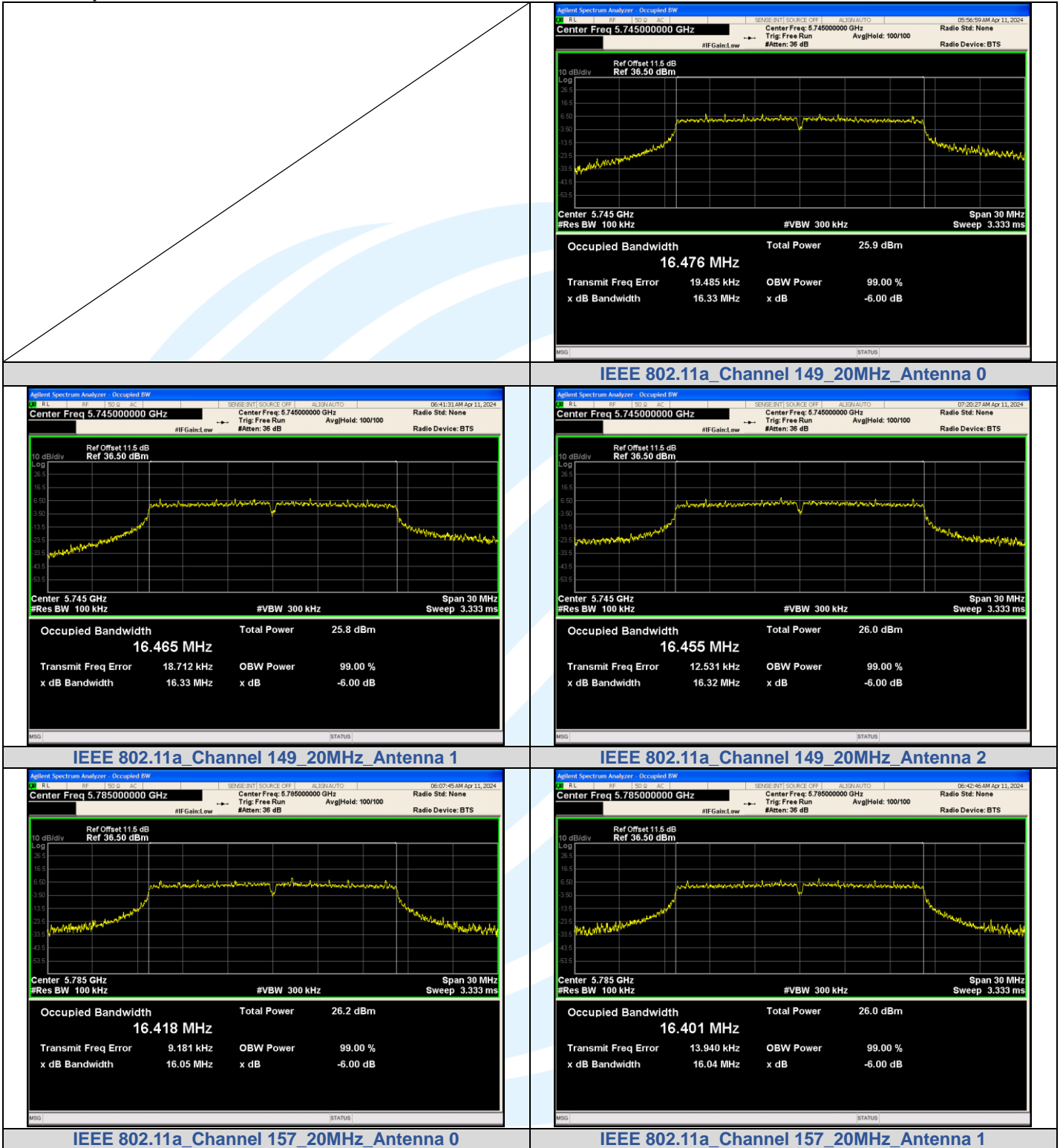
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## Test Graphs



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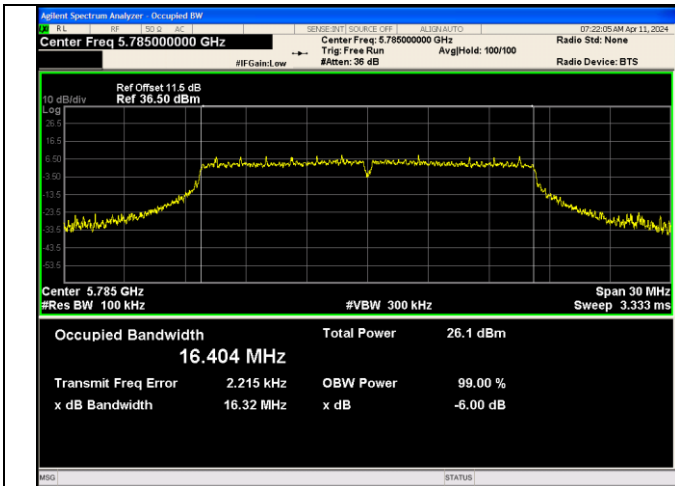
Fax: +86-755-28230886

E-mail: info@uttlab.com

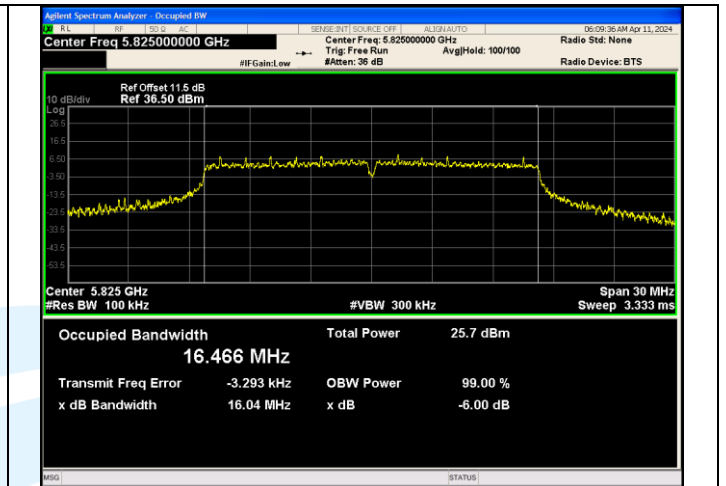
<http://www.uttlab.com>

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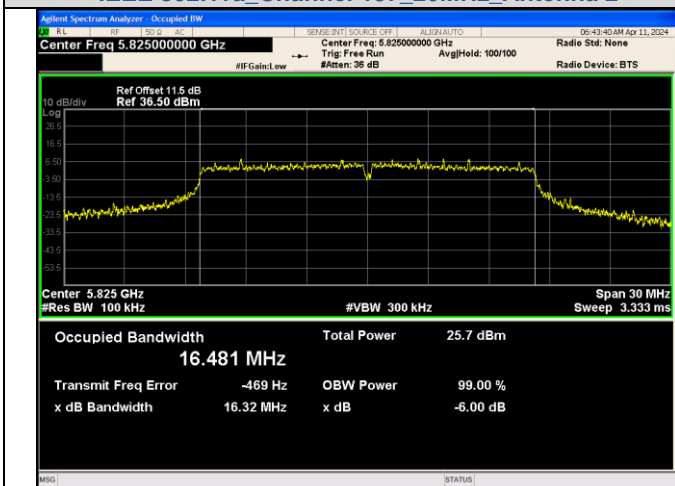




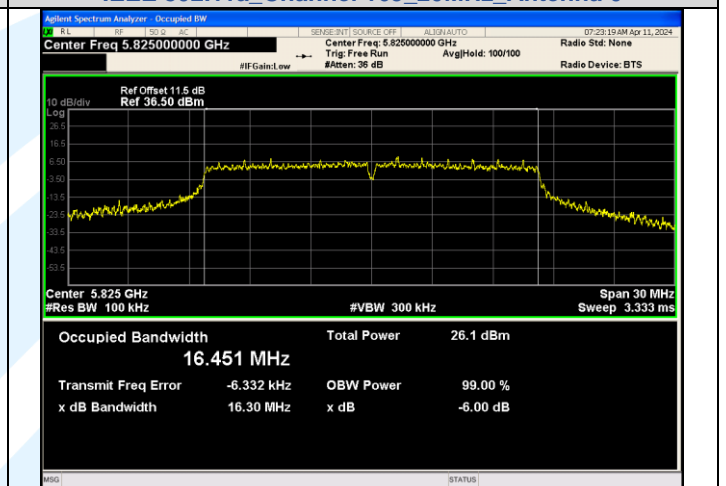
IEEE 802.11a\_Channel 157\_20MHz\_Antenna 2



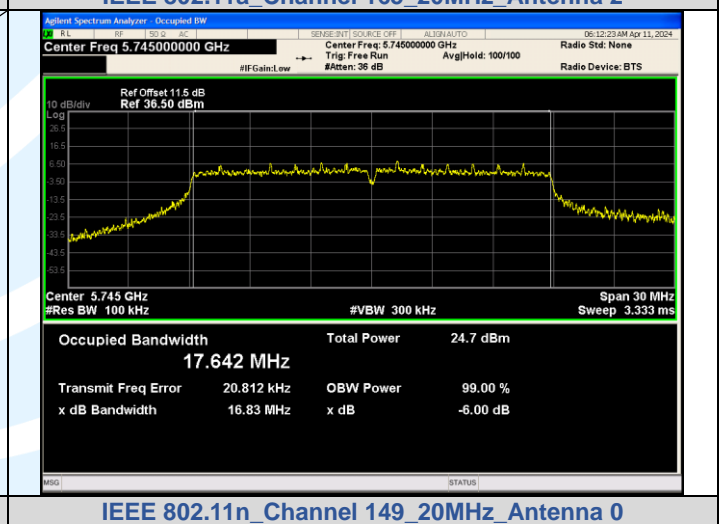
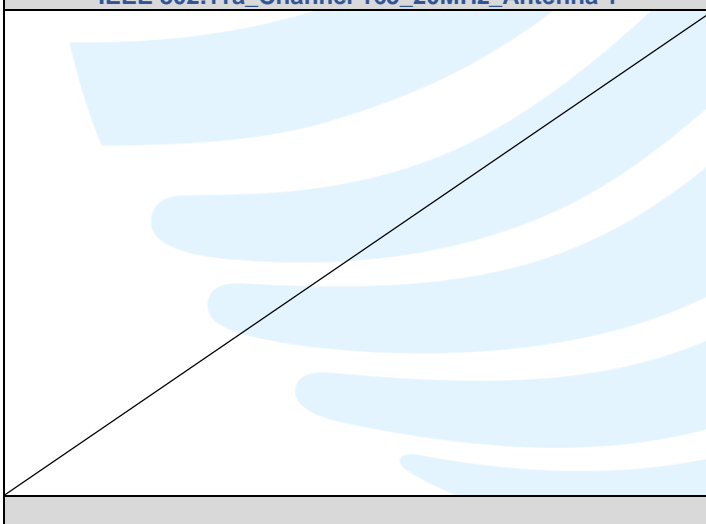
IEEE 802.11a\_Channel 165\_20MHz\_Antenna 0



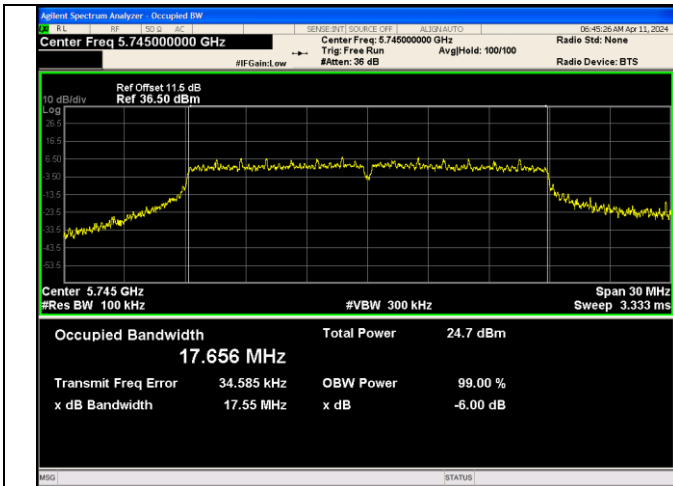
IEEE 802.11a\_Channel 165\_20MHz\_Antenna 1



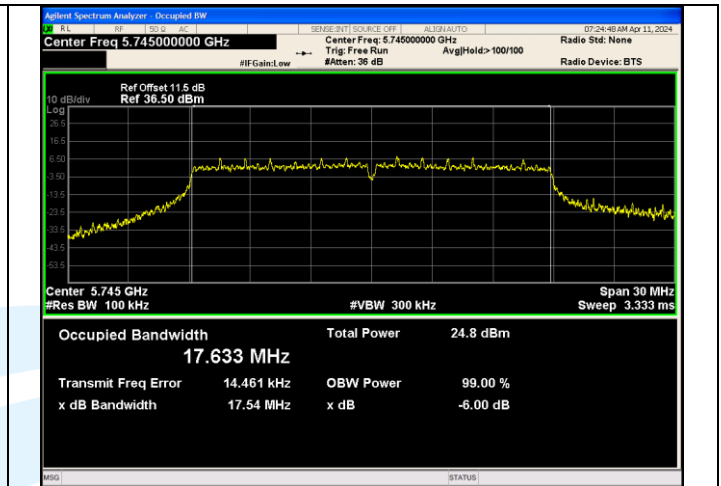
IEEE 802.11a\_Channel 165\_20MHz\_Antenna 2



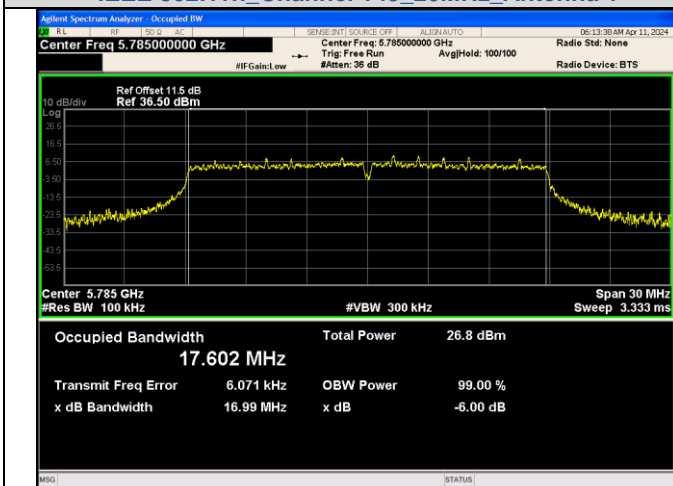
IEEE 802.11n\_Channel 149\_20MHz\_Antenna 0



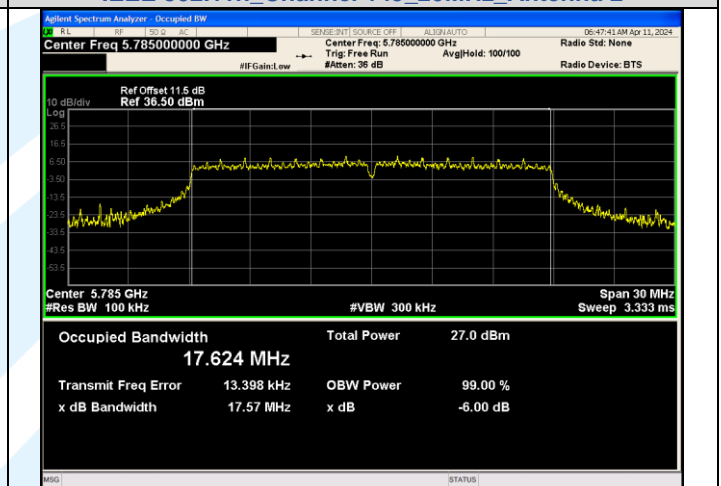
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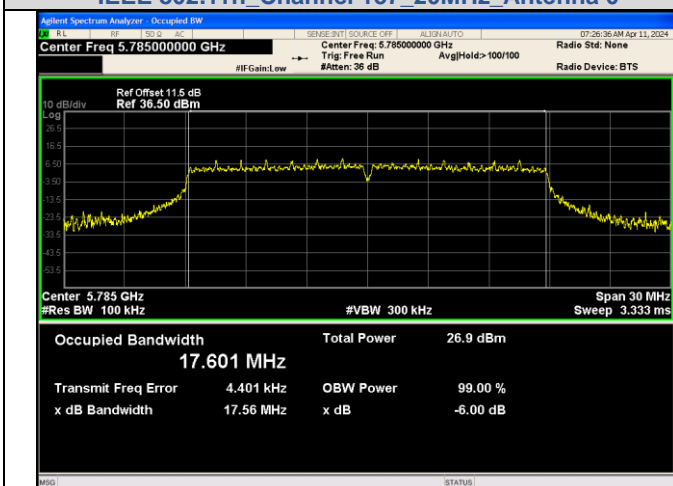
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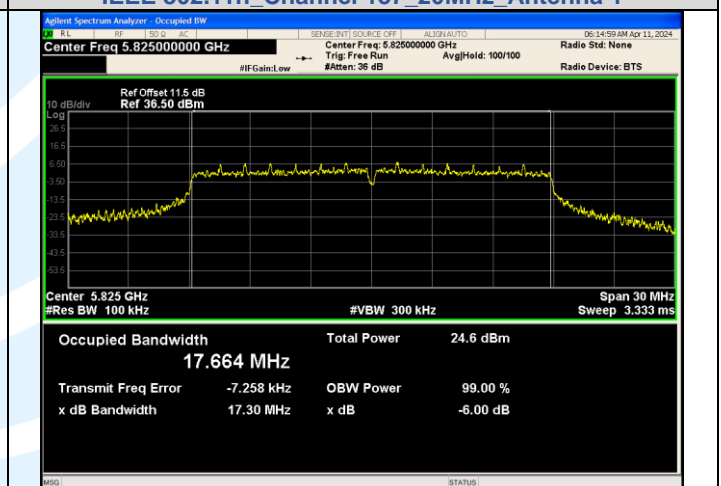
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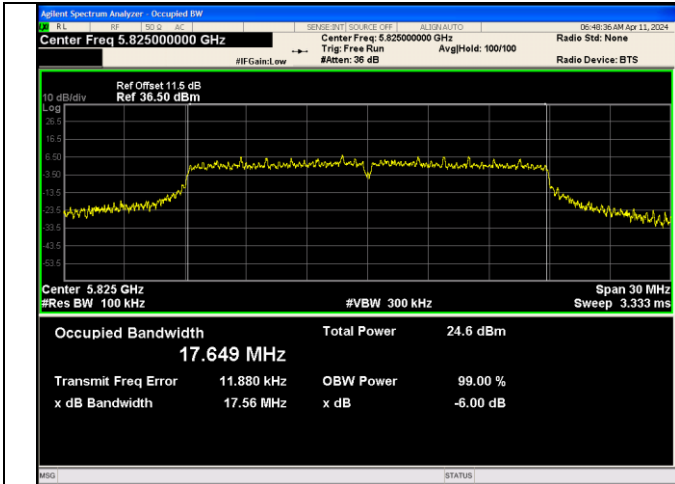
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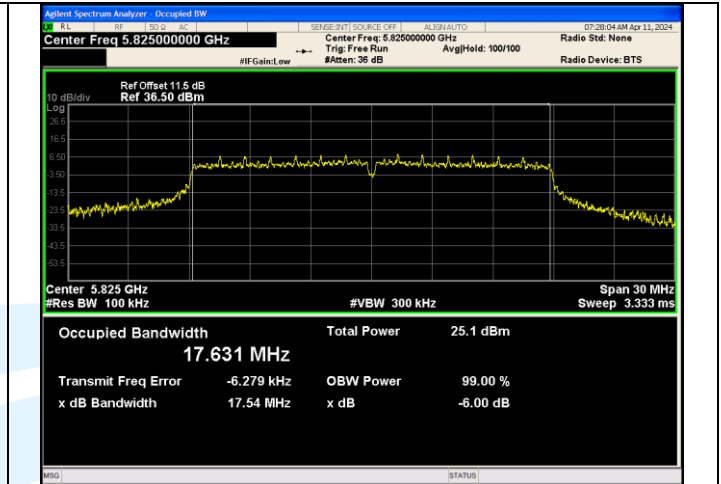
IEEE 802.11n\_Channel 157\_20MHz\_Antenna 2



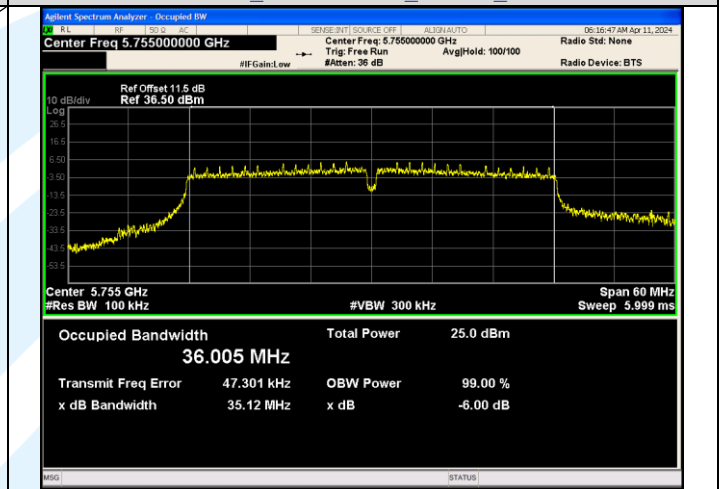
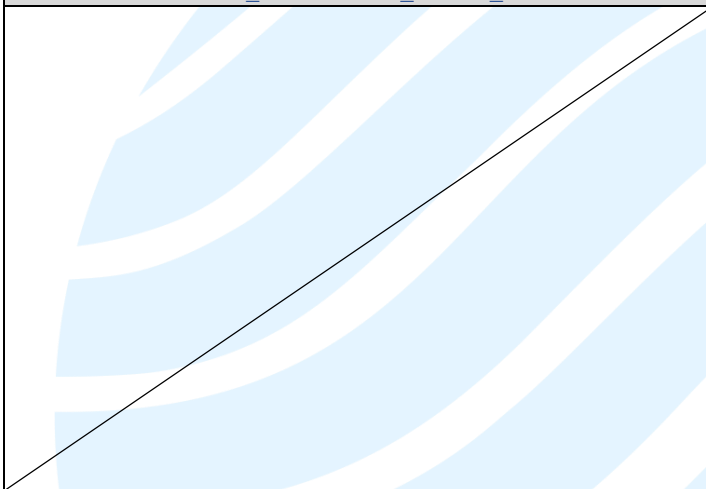
IEEE 802.11n\_Channel 165\_20MHz\_Antenna 0



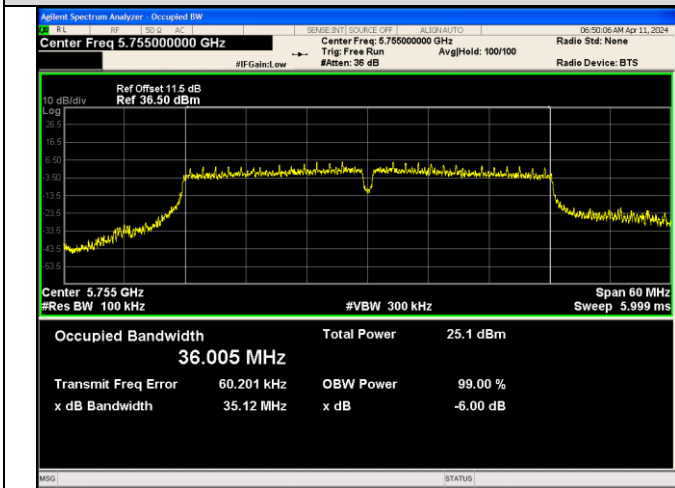
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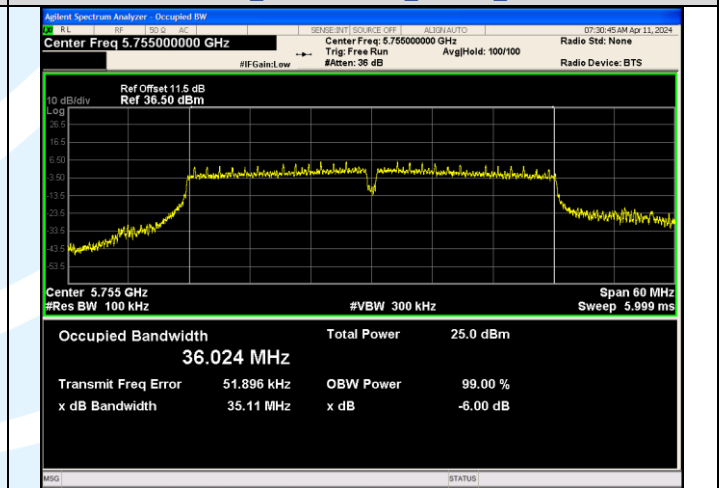
IEEE 802.11n\_Channel 165\_20MHz\_Antenna 2



IEEE 802.11n\_Channel 151\_40MHz\_Antenna 0



IEEE 802.11n\_Channel 151\_40MHz\_Antenna 1



IEEE 802.11n\_Channel 151\_40MHz\_Antenna 2