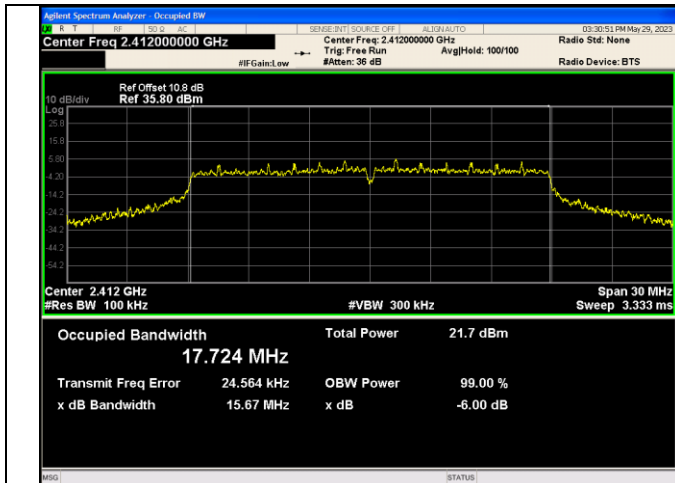
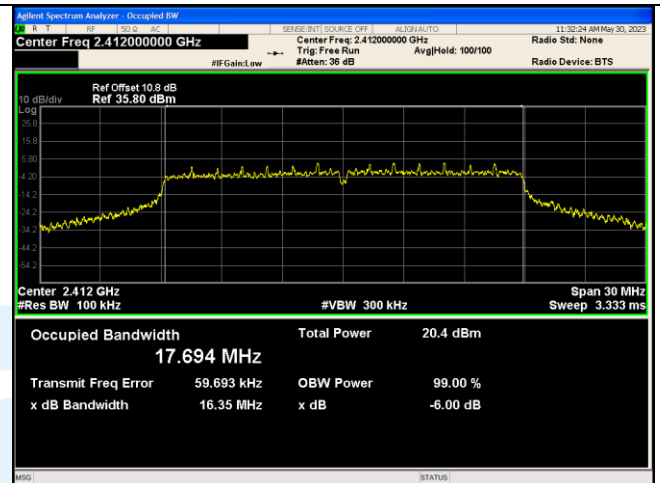
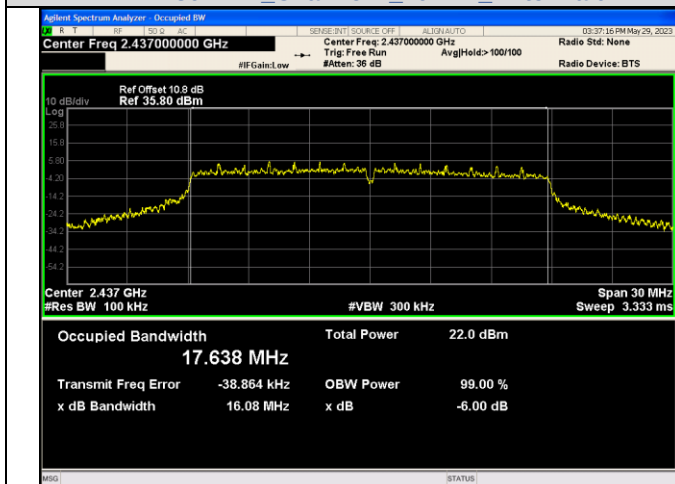




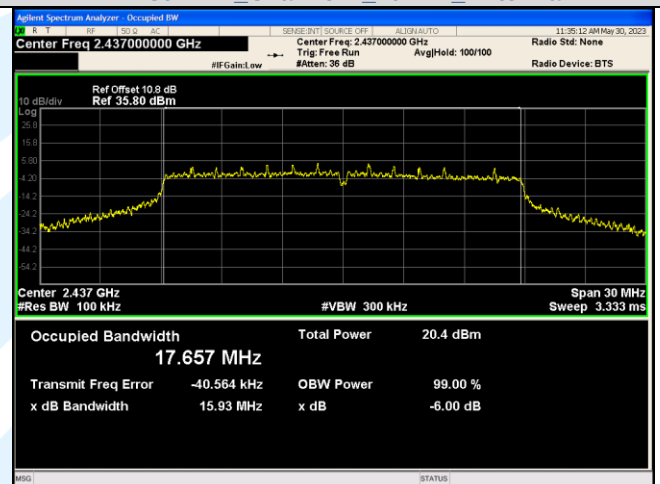
IEEE 802.11n Channel 1 20MHz Antenna 0



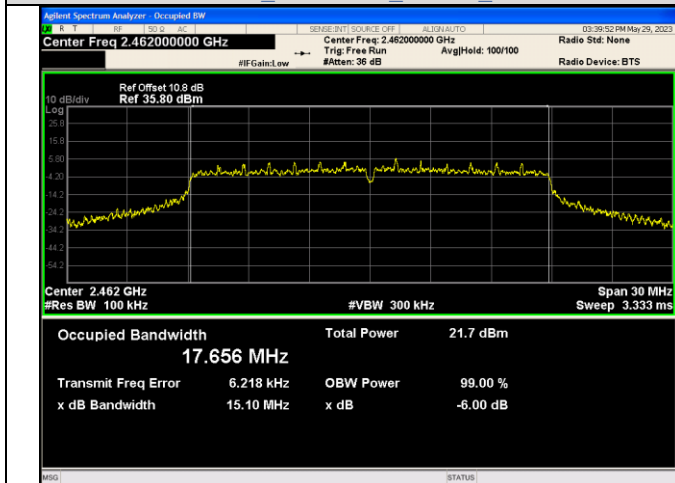
IEEE 802.11n Channel 1 20MHz Antenna 1



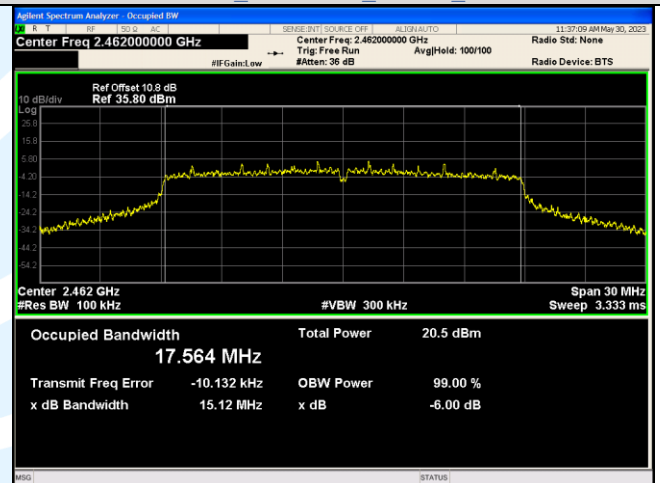
IEEE 802.11n Channel 6 20MHz Antenna 0



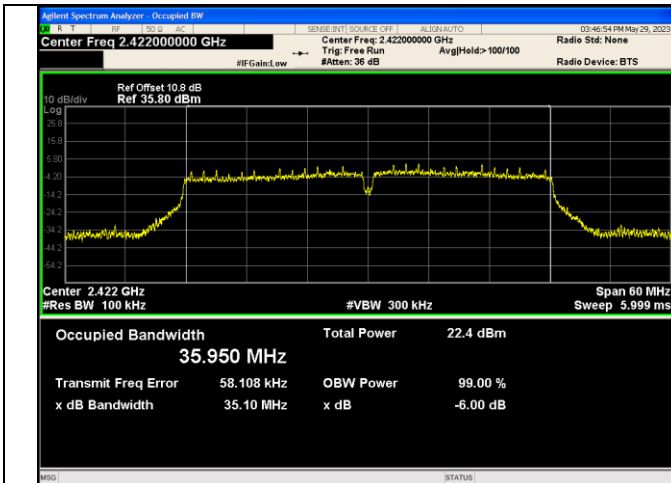
IEEE 802.11n Channel 6 20MHz Antenna 1



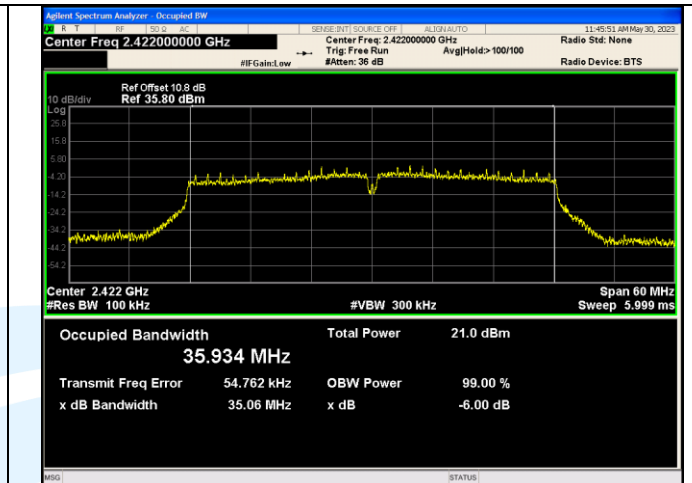
IEEE 802.11n Channel 11 20MHz Antenna 0



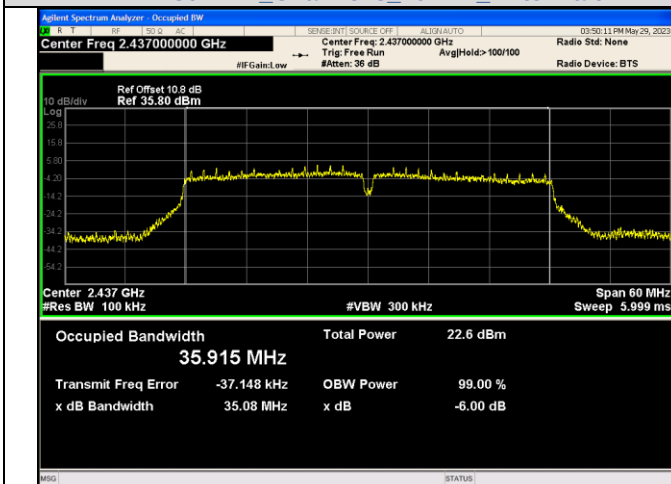
IEEE 802.11n Channel 11 20MHz Antenna 1



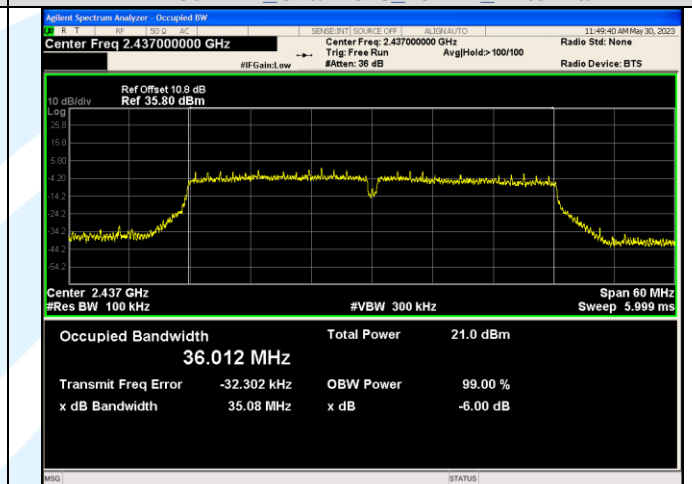
IEEE 802.11n Channel 3 40MHz Antenna 0



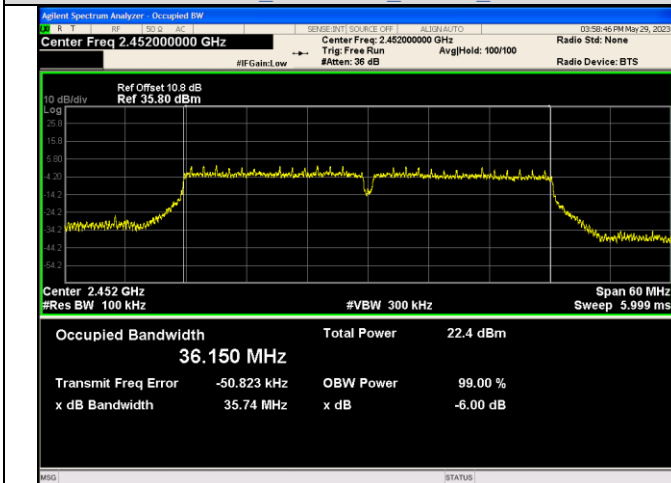
IEEE 802.11n Channel 3 40MHz Antenna 1



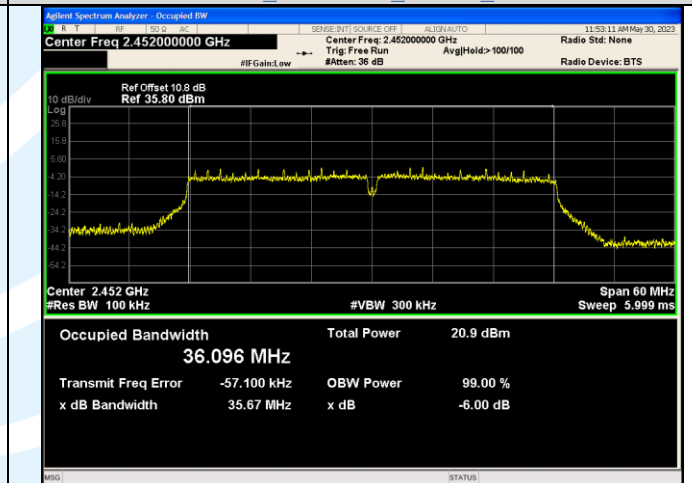
IEEE 802.11n Channel 6 40MHz Antenna 0



IEEE 802.11n Channel 6 40MHz Antenna 1



IEEE 802.11n Channel 9 40MHz Antenna 0



IEEE 802.11n Channel 9 40MHz Antenna 1

A.2 CONDUCTED OUT OF BAND EMISSION

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2400.00	-31.351	-10.82	-20.531	PASS
			2398.01	-28.743	-10.82	-17.923	PASS
			24271.5	-42.636	-10.82	-31.816	PASS
		1	2400.00	-31.351	-10.82	-20.531	PASS
			2398.01	-28.743	-10.82	-17.923	PASS
			24271.5	-42.636	-10.82	-31.816	PASS
	6	0	24307.1	-41.887	-10.25	-31.637	PASS
		1	24307.1	-41.887	-10.25	-31.637	PASS
	11	0	2483.50	-43.753	-10.79	-33	PASS
			24953.8	-43.164	-10.79	-32.374	PASS
		1	2483.50	-43.753	-10.79	-33	PASS
			24953.8	-43.164	-10.79	-32.374	PASS
IEEE 802.11g	1	0	2400.00	-23.682	-13.22	-10.462	PASS
			2396.97	-23.599	-13.22	-10.379	PASS
			24174.1	-42.727	-13.22	-29.508	PASS
		1	2400.00	-23.682	-13.22	-10.462	PASS
			2396.97	-23.599	-13.22	-10.379	PASS
			24174.1	-42.727	-13.22	-29.508	PASS
	6	0	24408.8	-41.984	-12.99	-28.994	PASS
		1	24408.8	-41.984	-12.99	-28.994	PASS
	11	0	2483.50	-42.092	-13.12	-29	PASS
			24940.1	-42.766	-13.12	-29.646	PASS
		1	2483.50	-42.092	-13.12	-29	PASS
			24940.1	-42.766	-13.12	-29.646	PASS
IEEE 802.11n_20	1	0	2400.00	-23.172	-13.97	-9	PASS
			24945.1	-42.770	-13.97	-28.800	PASS
		1	2400.00	-23.172	-13.97	-9	PASS
			24945.1	-42.770	-13.97	-28.800	PASS
	6	0	24387.6	-42.421	-13.75	-28.671	PASS
		1	24387.6	-42.421	-13.75	-28.671	PASS
	11	0	2483.50	-40.030	-14.12	-26	PASS
			24262.1	-42.943	-14.12	-28.823	PASS
		1	2483.50	-40.030	-14.12	-26	PASS
			24262.1	-42.943	-14.12	-28.823	PASS
IEEE 802.11n_40	3	0	2400.00	-34.724	-16.58	-18.144	PASS
			2396.97	-30.810	-16.58	-14.230	PASS
			24122.9	-42.674	-16.58	-26.094	PASS
		1	2400.00	-34.724	-16.58	-18.144	PASS
			2396.97	-30.810	-16.58	-14.230	PASS
			24122.9	-42.674	-16.58	-26.094	PASS
	6	0	24960.0	-42.465	-16.35	-26.115	PASS
		1	24960.0	-42.465	-16.35	-26.115	PASS
	9	0	2483.50	-38.143	-17.42	-21	PASS
			24946.3	-42.777	-17.42	-25.357	PASS
		1	2483.50	-38.143	-17.42	-21	PASS
			24946.3	-42.777	-17.42	-25.357	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

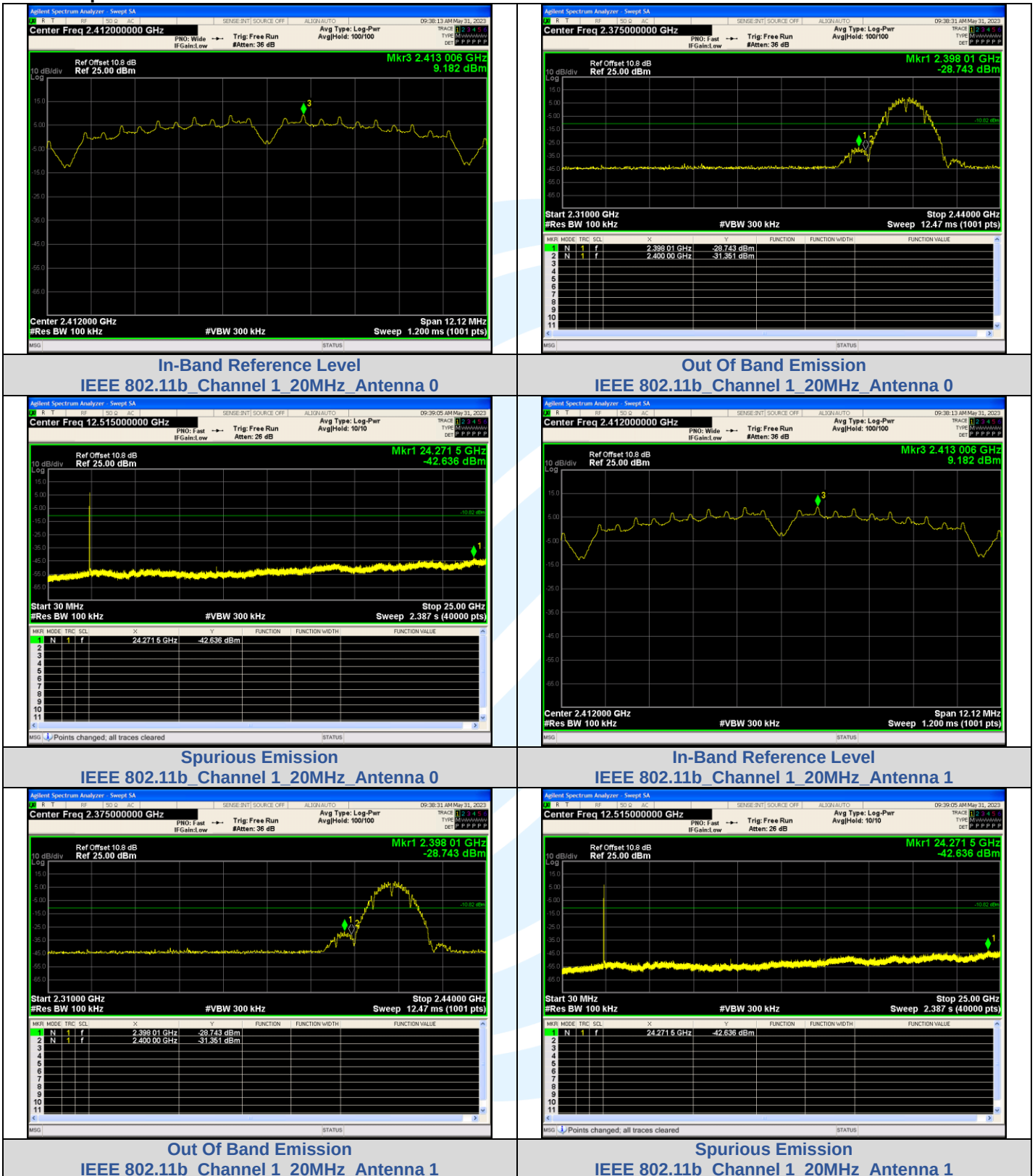
Fax: +86-755-28230886

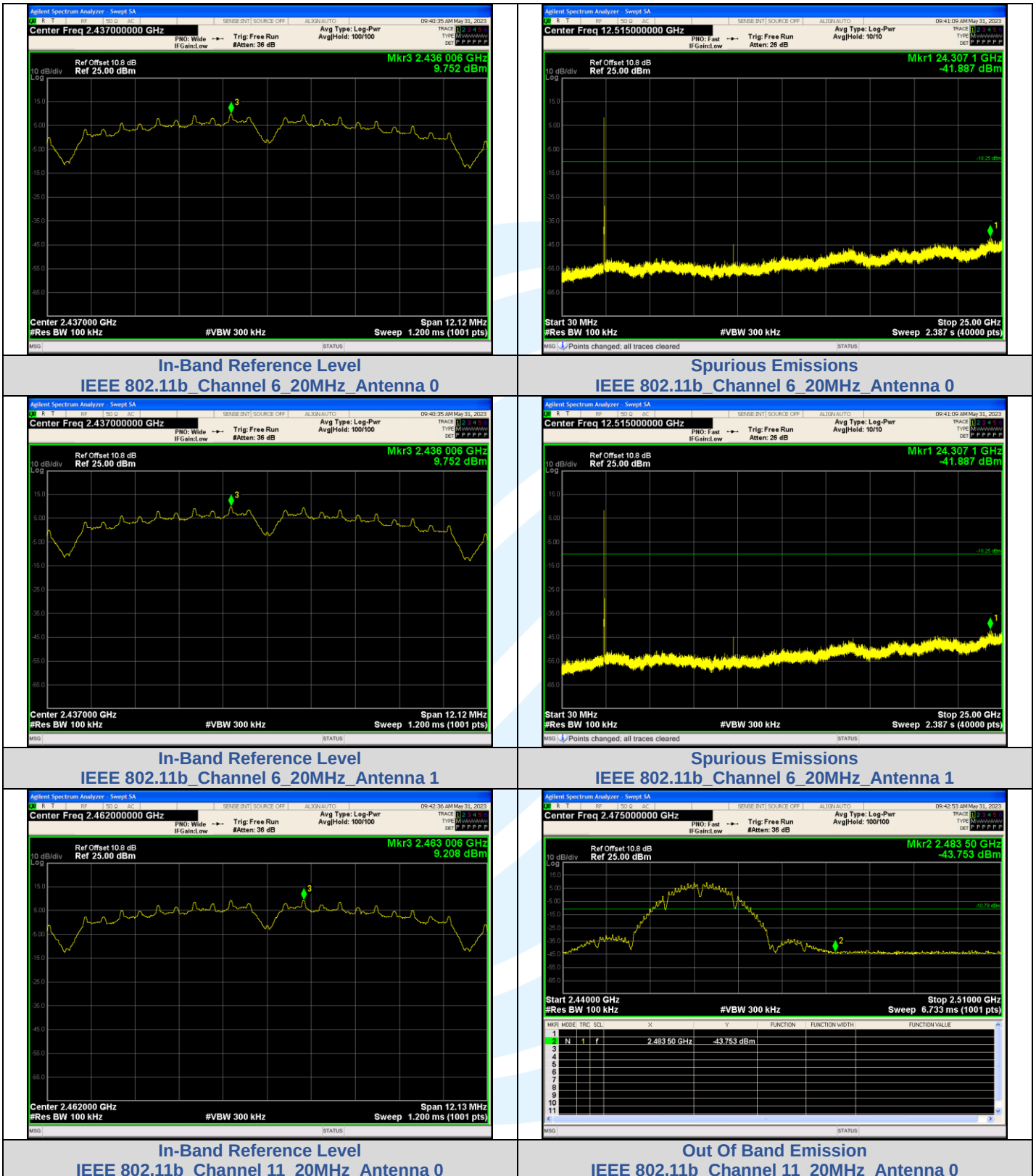
E-mail: info@uttlab.com

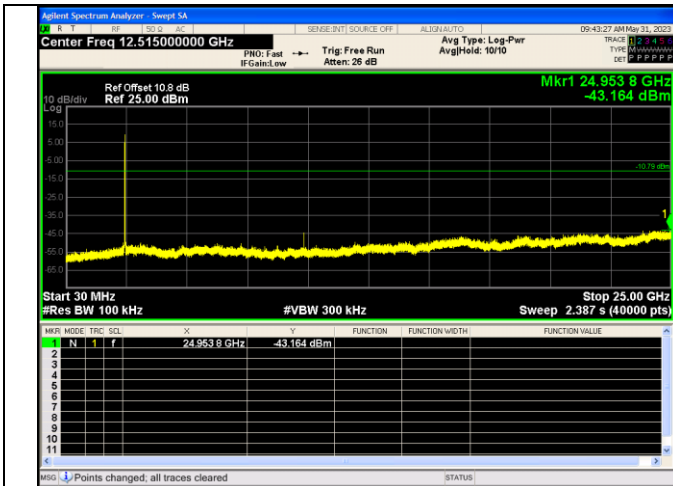
<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1

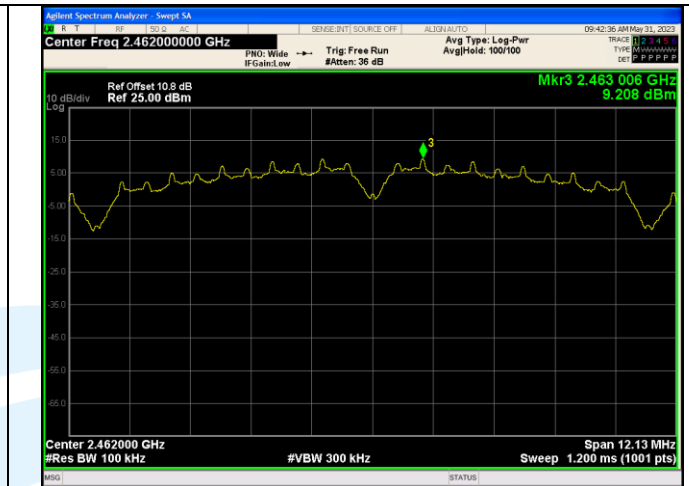
Test Graphs



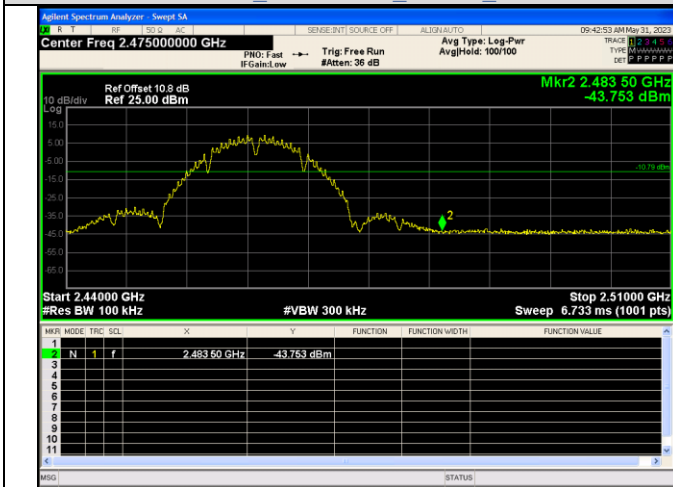




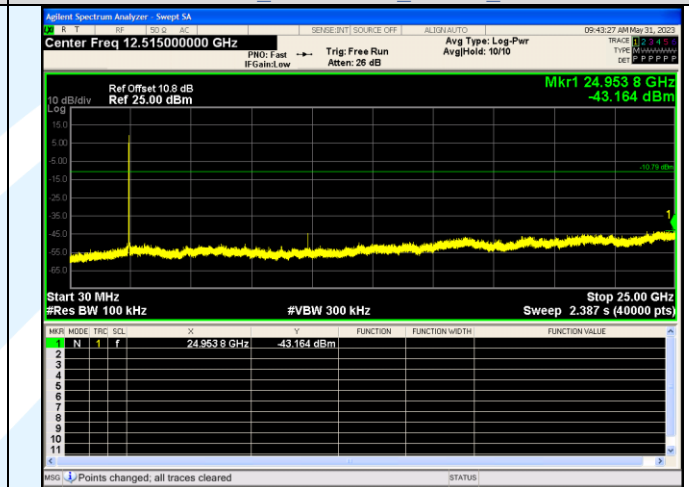
Spurious Emission
IEEE 802.11b Channel 11 20MHz Antenna 0



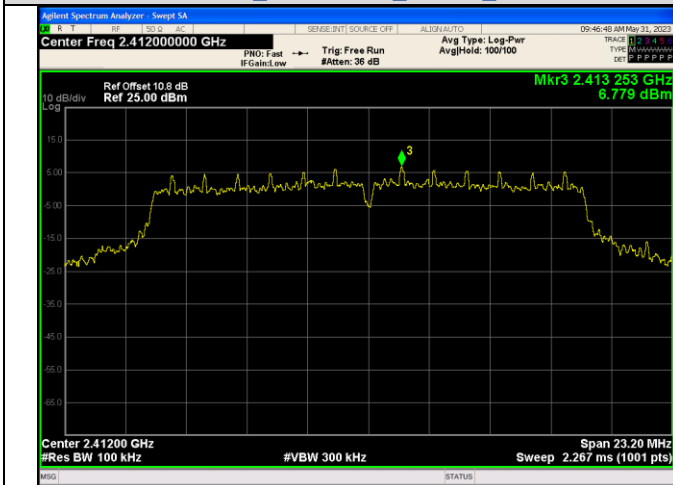
In-Band Reference Level
IEEE 802.11b Channel 11 20MHz Antenna 1



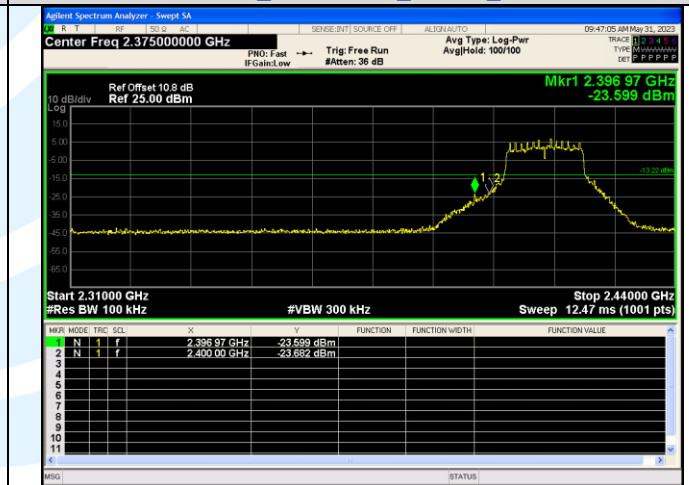
Out Of Band Emission
IEEE 802.11b Channel 11 20MHz Antenna 1



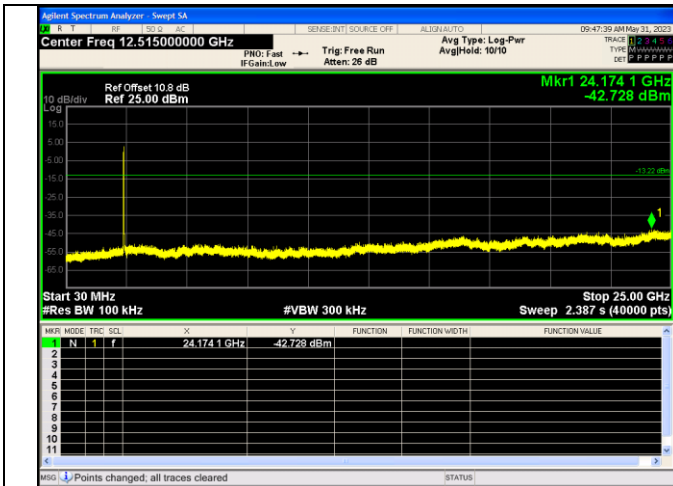
Spurious Emission
IEEE 802.11b Channel 11 20MHz Antenna 1



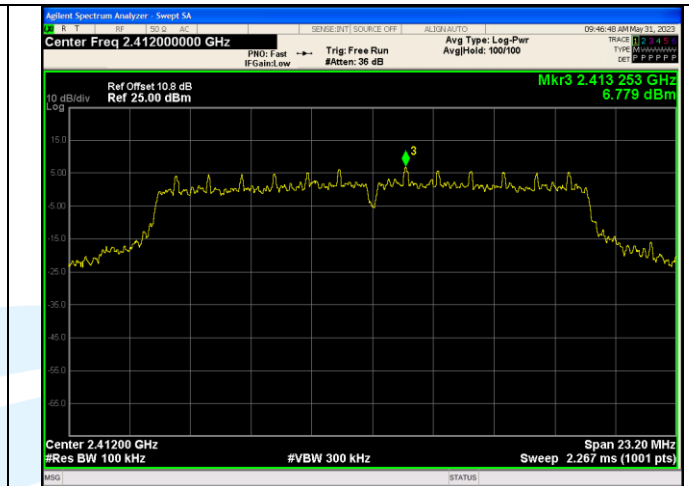
In-Band Reference Level
IEEE 802.11g Channel 1 20MHz Antenna 0



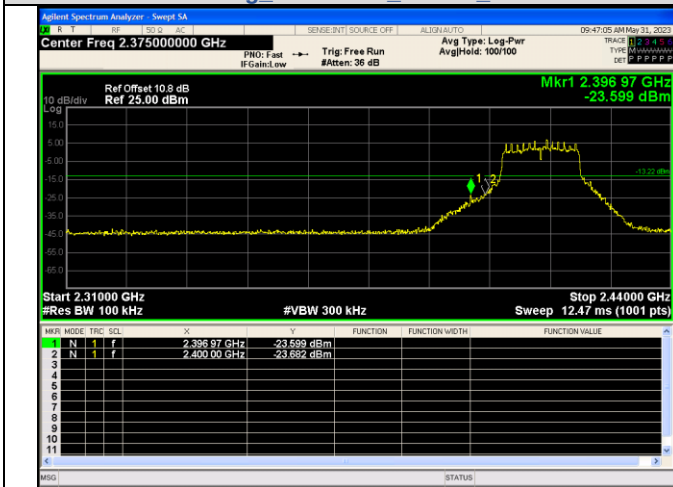
Out Of Band Emission
IEEE 802.11g Channel 1 20MHz Antenna 0



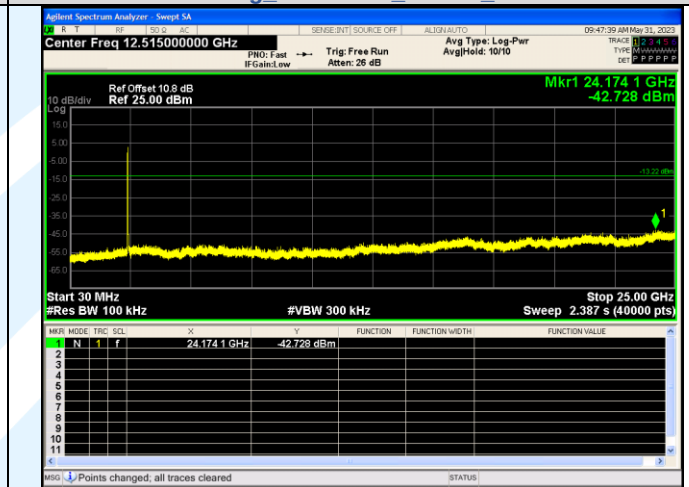
Spurious Emission
IEEE 802.11g Channel 1 20MHz Antenna 0



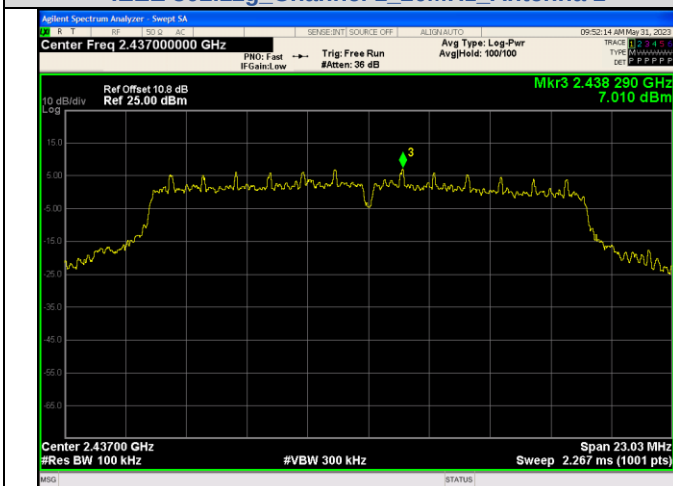
In-Band Reference Level
IEEE 802.11g Channel 1 20MHz Antenna 1



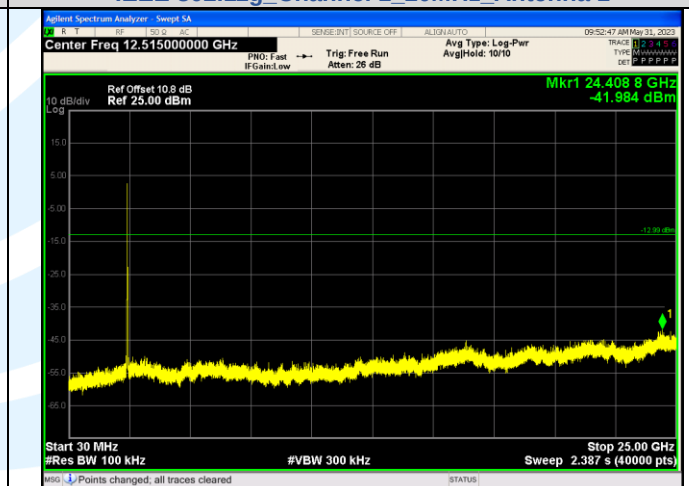
Out Of Band Emission
IEEE 802.11g Channel 1 20MHz Antenna 1



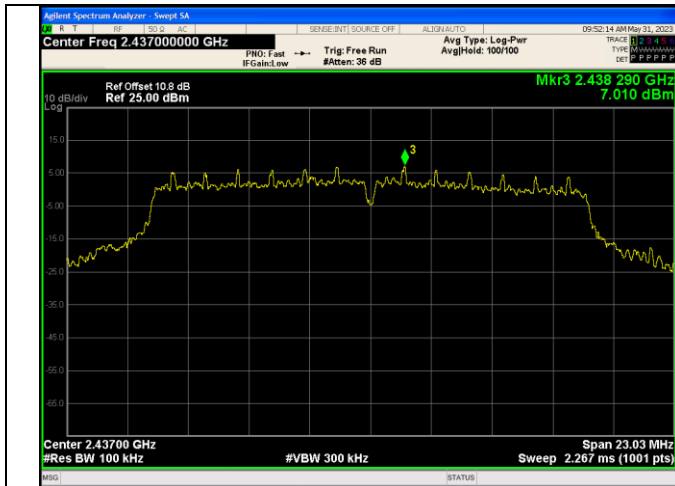
Spurious Emission
IEEE 802.11g Channel 1 20MHz Antenna 1



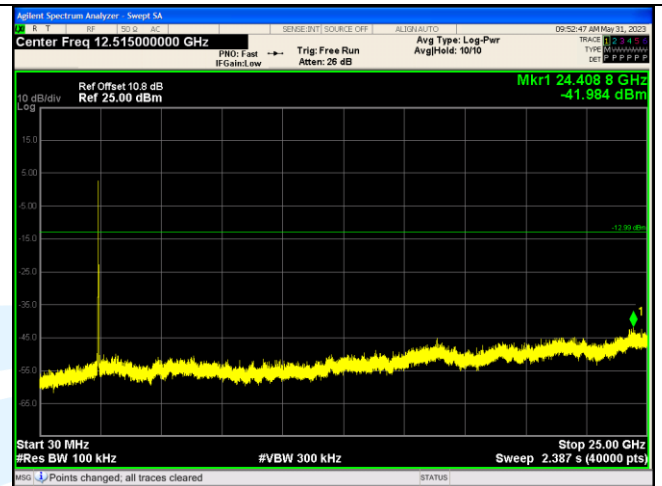
In-Band Reference Level
IEEE 802.11g Channel 6 20MHz Antenna 0



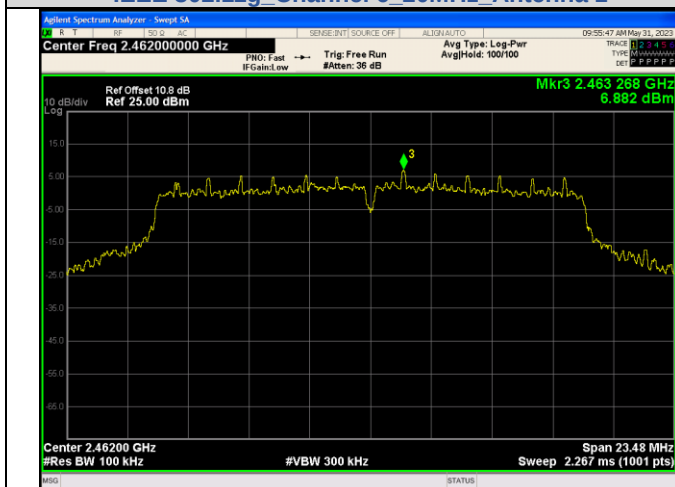
Spurious Emissions
IEEE 802.11g Channel 6 20MHz Antenna 0



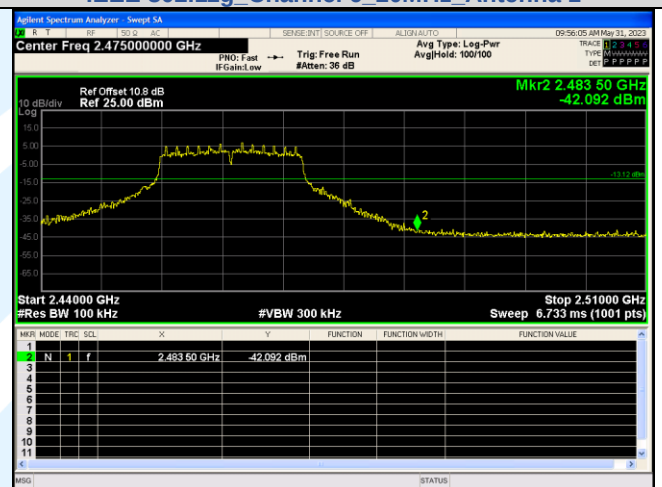
In-Band Reference Level
IEEE 802.11g Channel 6 20MHz Antenna 1



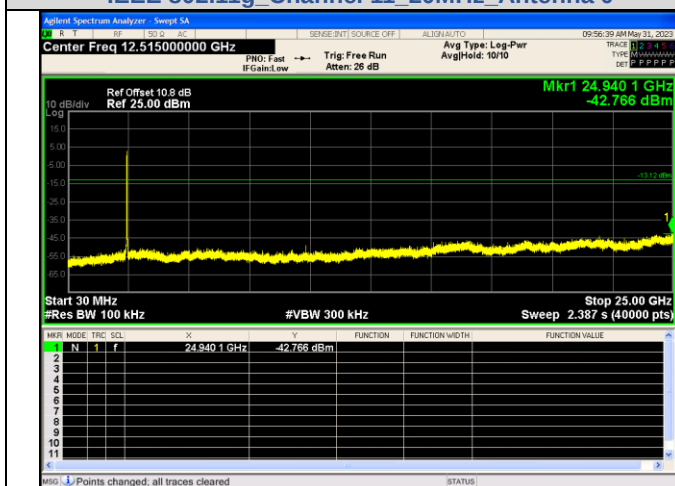
Spurious Emissions
IEEE 802.11g Channel 6 20MHz Antenna 1



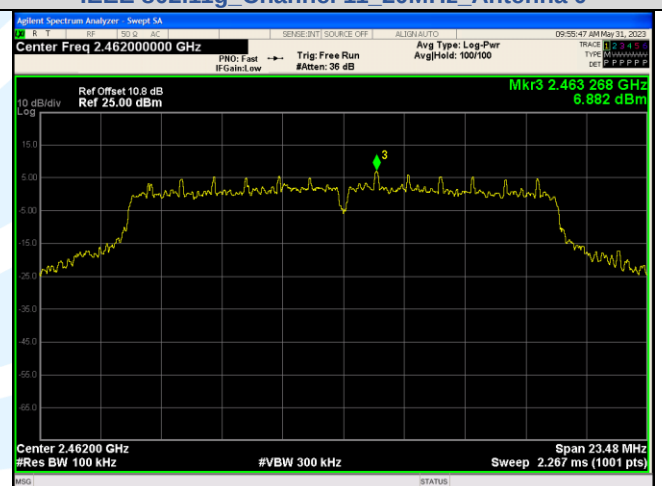
In-Band Reference Level
IEEE 802.11g Channel 11 20MHz Antenna 0



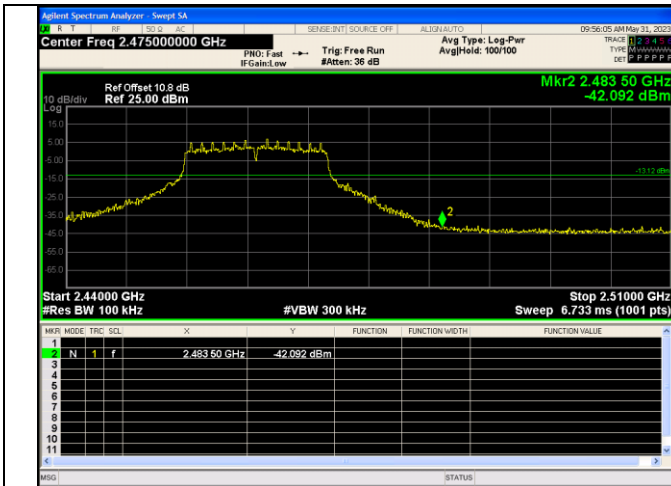
Out Of Band Emission
IEEE 802.11g Channel 11 20MHz Antenna 0



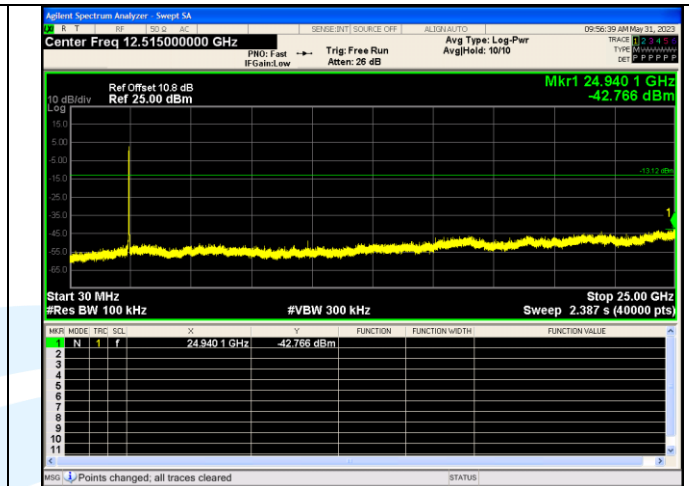
Spurious Emission
IEEE 802.11g Channel 11 20MHz Antenna 0



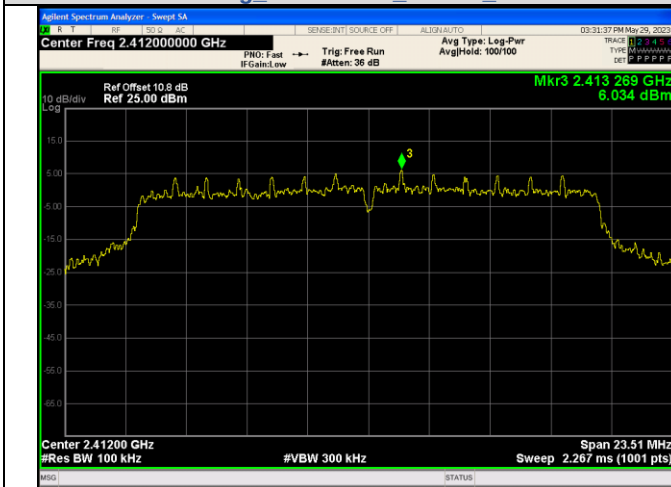
In-Band Reference Level
IEEE 802.11g Channel 11 20MHz Antenna 1



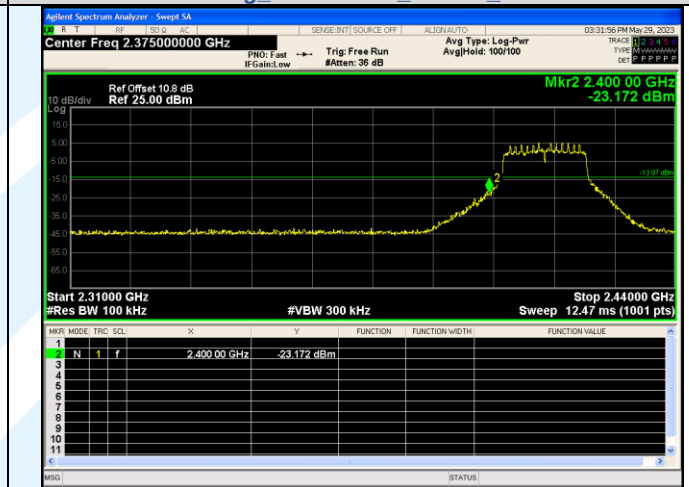
Out Of Band Emission
IEEE 802.11g Channel 11 20MHz Antenna 1



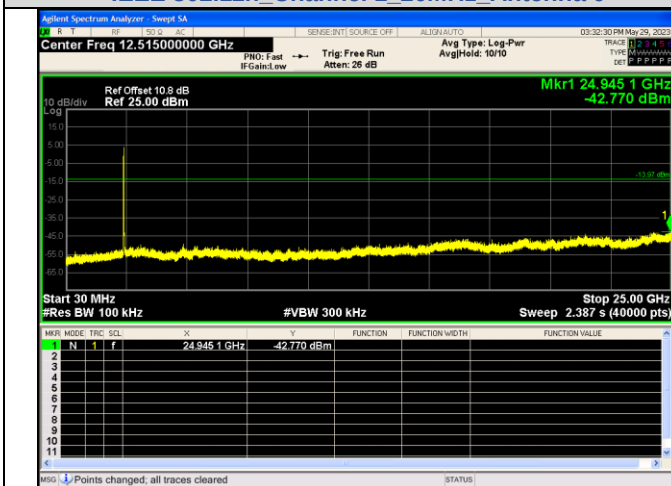
Spurious Emission
IEEE 802.11g Channel 11 20MHz Antenna 1



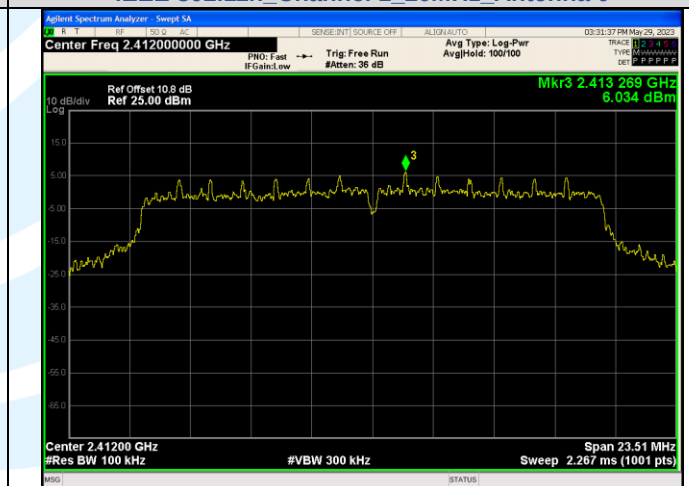
In-Band Reference Level
IEEE 802.11n Channel 1 20MHz Antenna 0



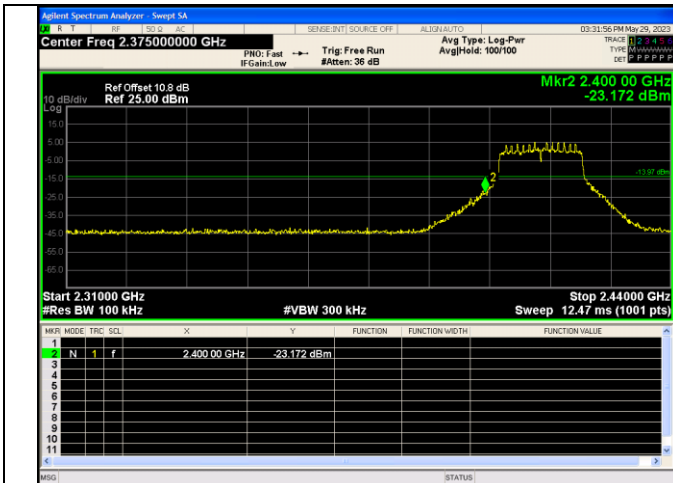
Out Of Band Emission
IEEE 802.11n Channel 1 20MHz Antenna 0



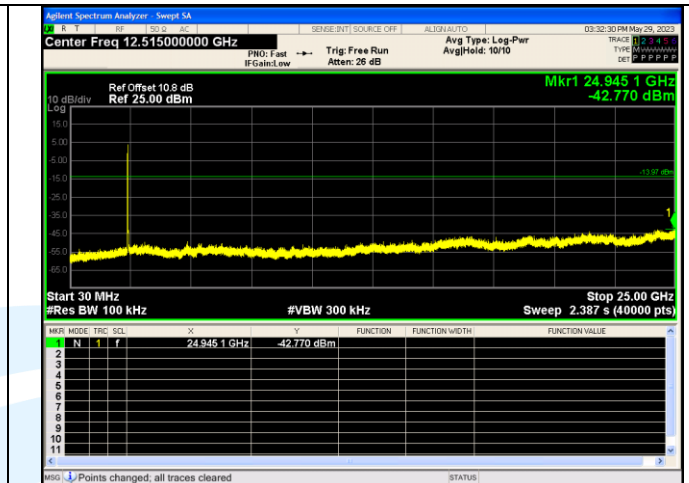
Spurious Emission
IEEE 802.11n Channel 1 20MHz Antenna 0



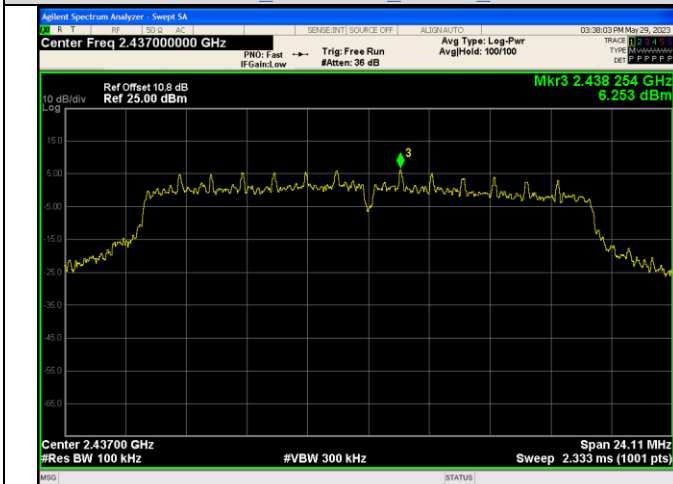
In-Band Reference Level
IEEE 802.11n Channel 1 20MHz Antenna 1



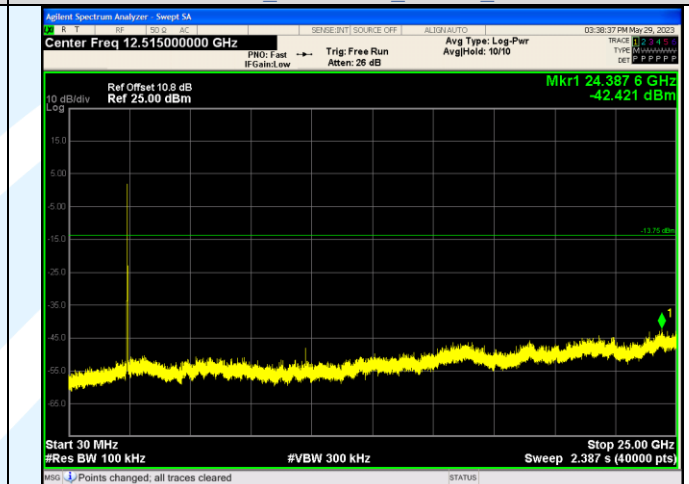
Out Of Band Emission
IEEE 802.11n Channel 1 20MHz Antenna 1



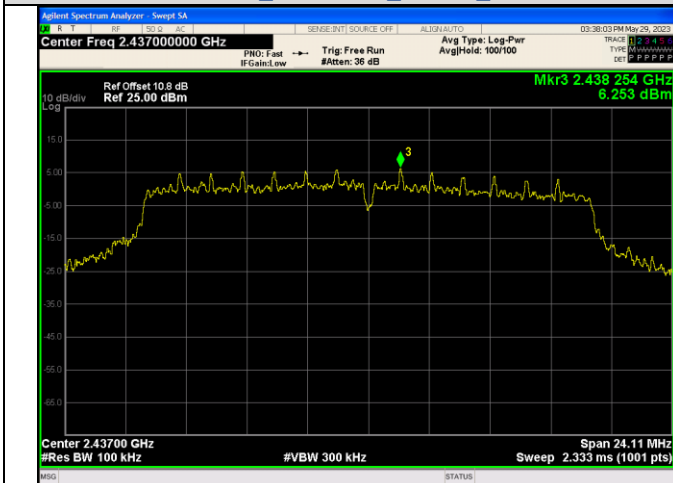
Spurious Emission
IEEE 802.11n Channel 1 20MHz Antenna 1



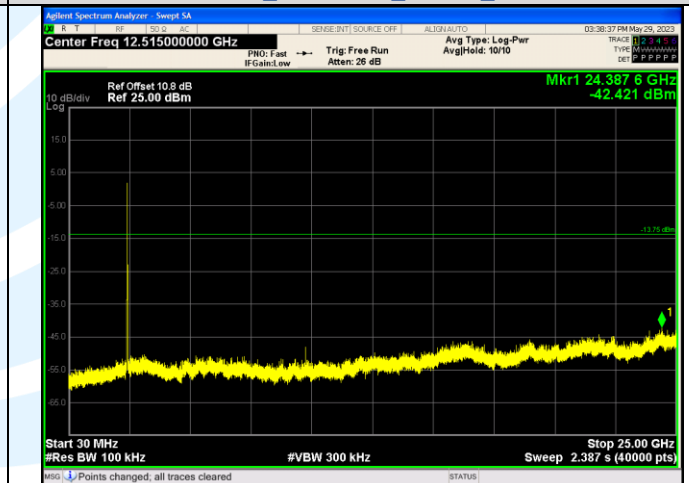
In-Band Reference Level
IEEE 802.11n Channel 6 20MHz Antenna 0



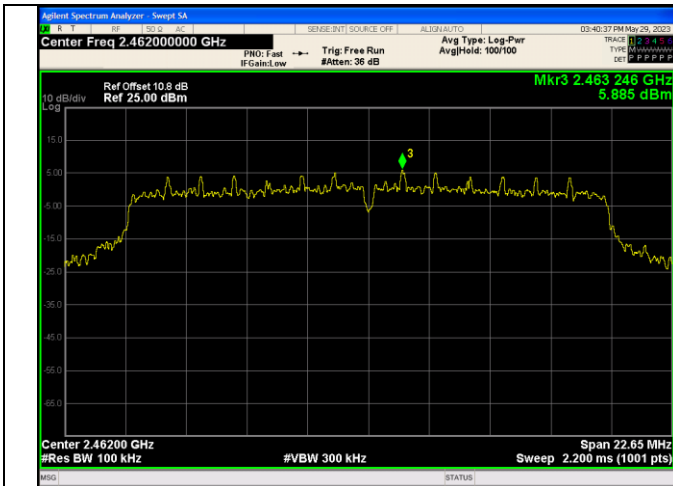
Spurious Emissions
IEEE 802.11n Channel 6 20MHz Antenna 0



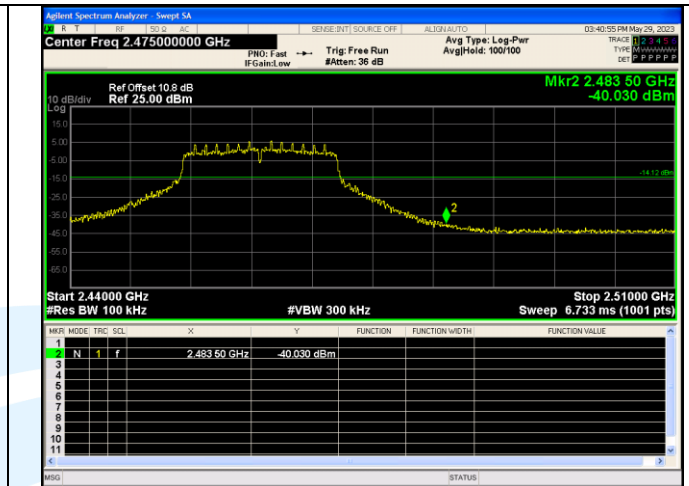
In-Band Reference Level
IEEE 802.11n Channel 6 20MHz Antenna 1



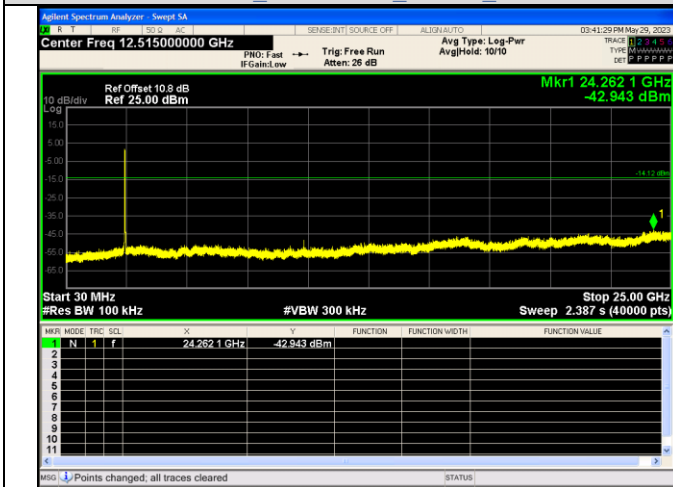
Spurious Emissions
IEEE 802.11n Channel 6 20MHz Antenna 1



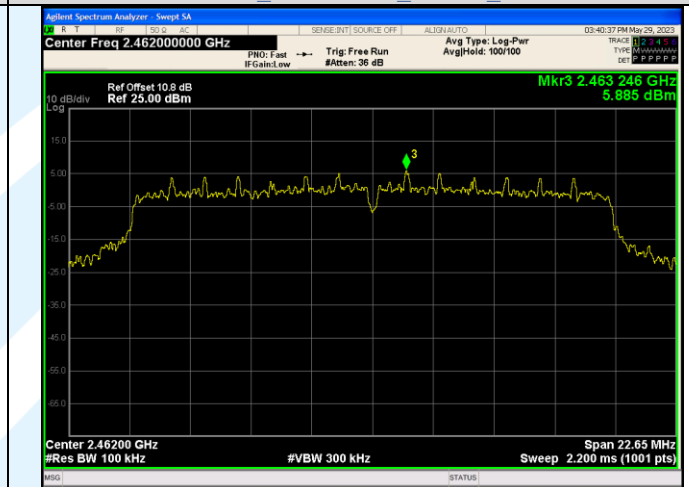
In-Band Reference Level
IEEE 802.11n Channel 11 20MHz Antenna 0



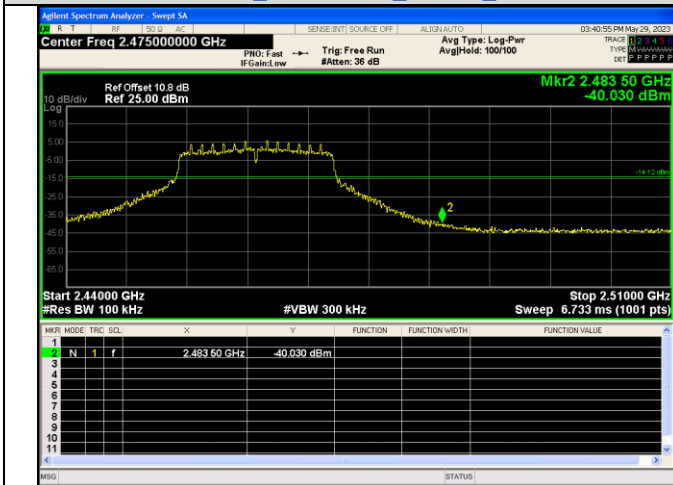
Out Of Band Emission
IEEE 802.11n Channel 11 20MHz Antenna 0



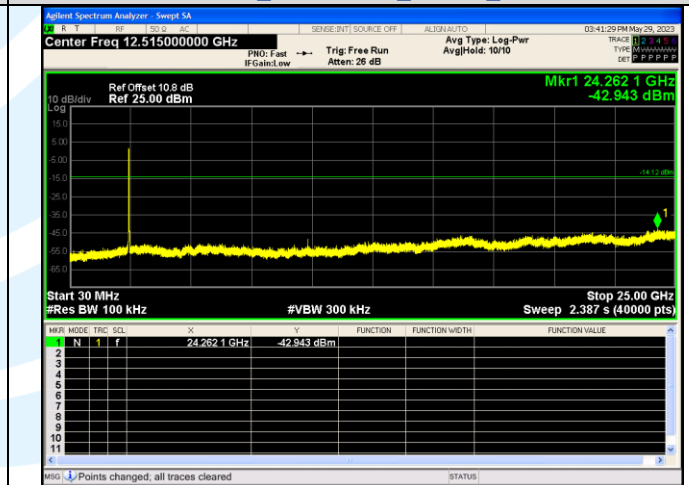
Spurious Emission
IEEE 802.11n Channel 11 20MHz Antenna 0



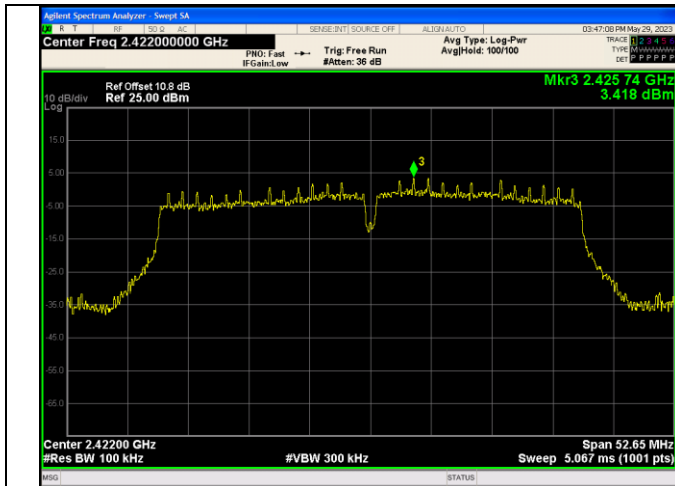
In-Band Reference Level
IEEE 802.11n Channel 11 20MHz Antenna 1



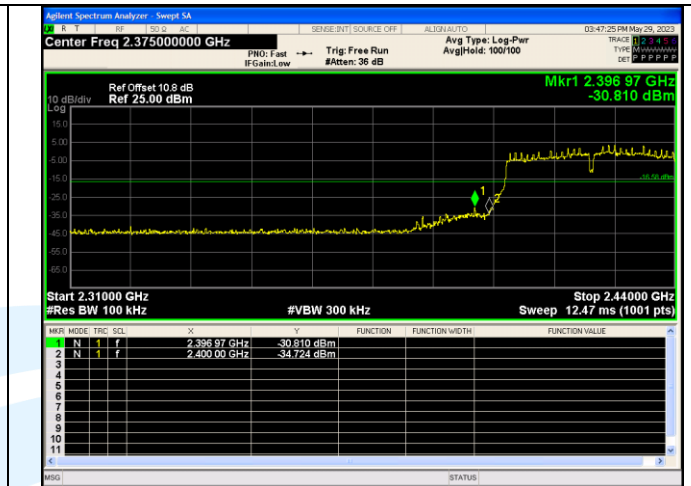
Out Of Band Emission
IEEE 802.11n Channel 11 20MHz Antenna 1



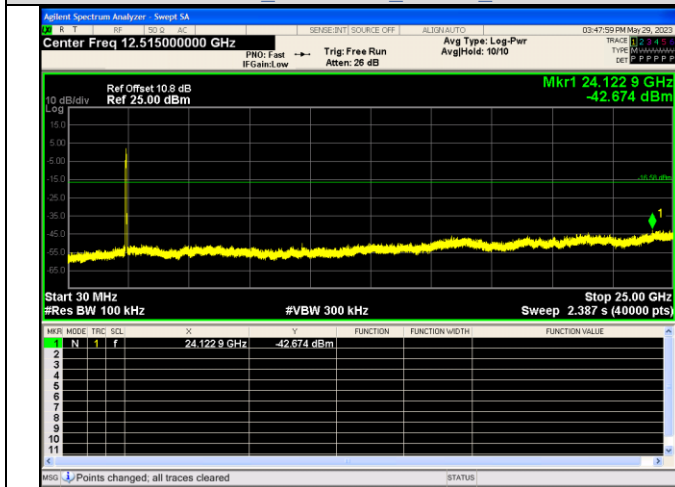
Spurious Emission
IEEE 802.11n Channel 11 20MHz Antenna 1



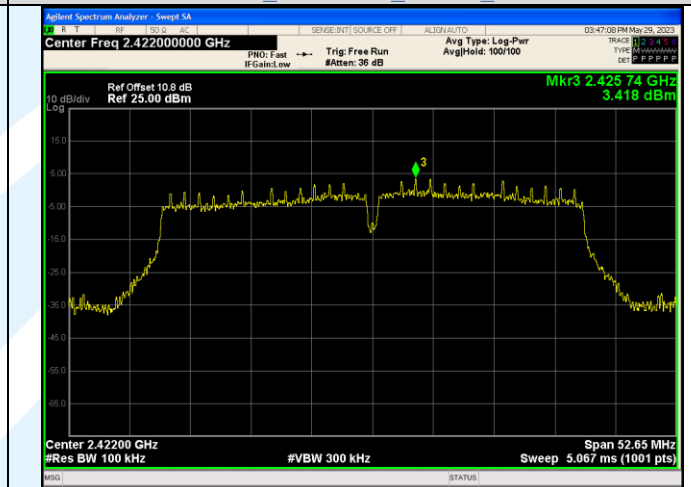
In-Band Reference Level
IEEE 802.11n Channel 3 40MHz Antenna 0



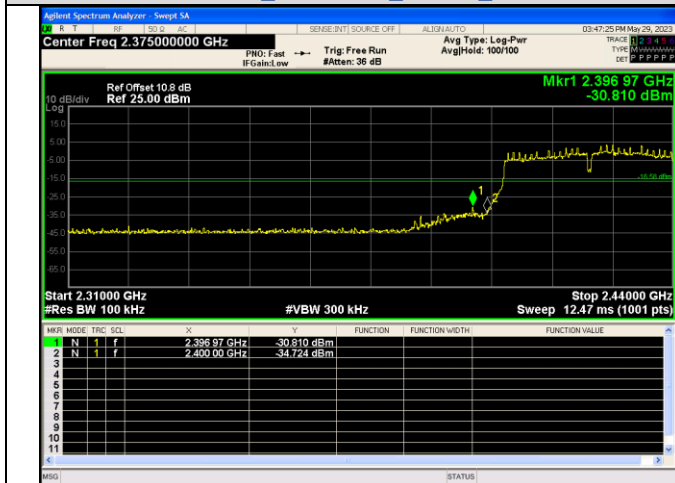
Out Of Band Emission
IEEE 802.11n Channel 3 40MHz Antenna 0



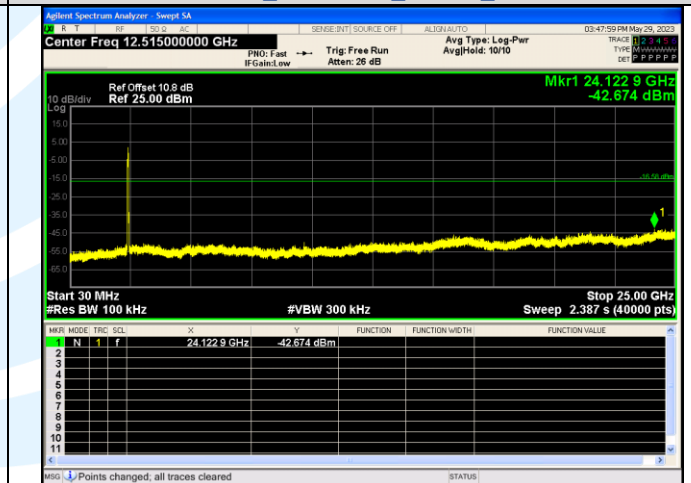
Spurious Emission
IEEE 802.11n Channel 3 40MHz Antenna 0



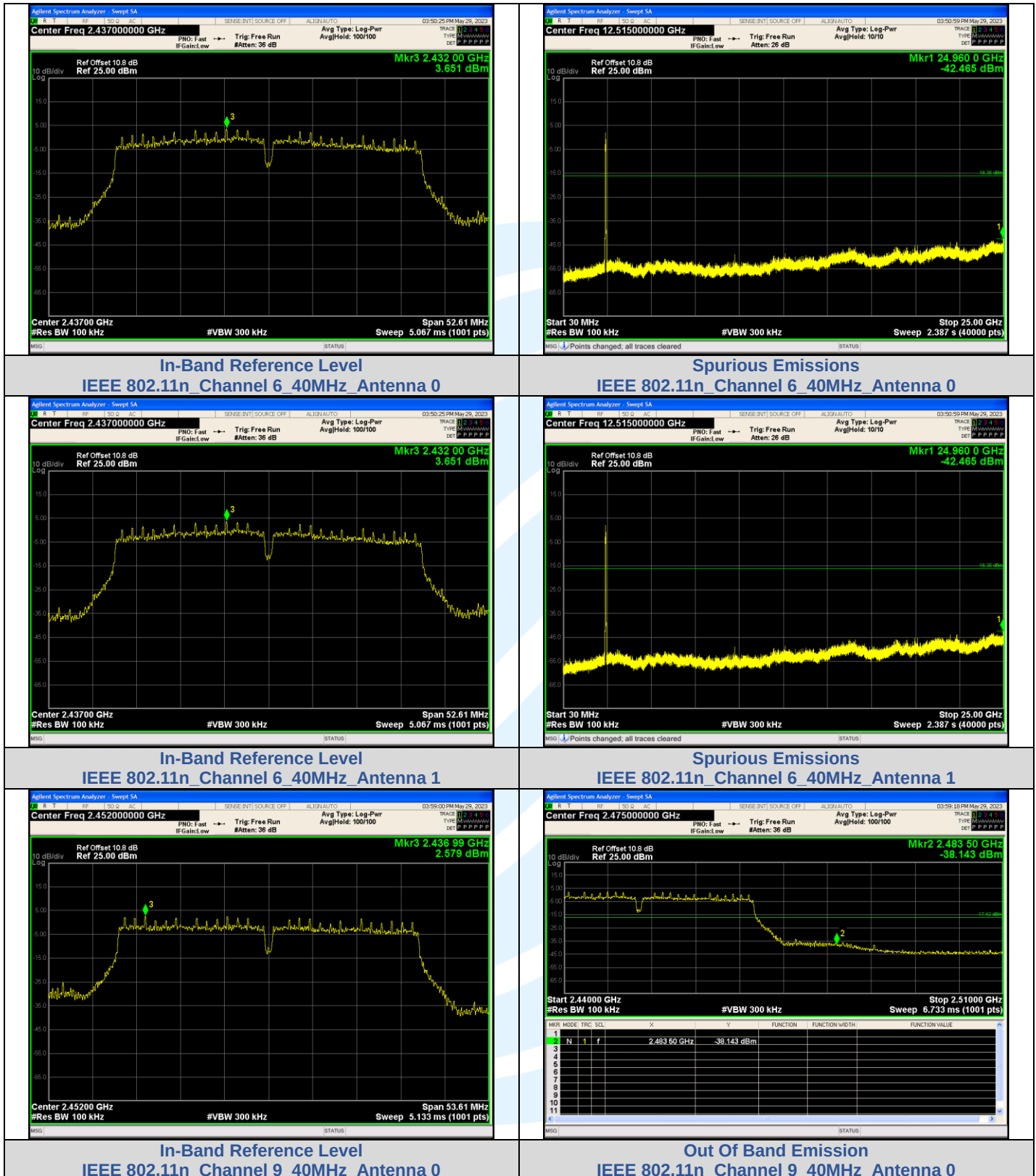
In-Band Reference Level
IEEE 802.11n Channel 3 40MHz Antenna 1

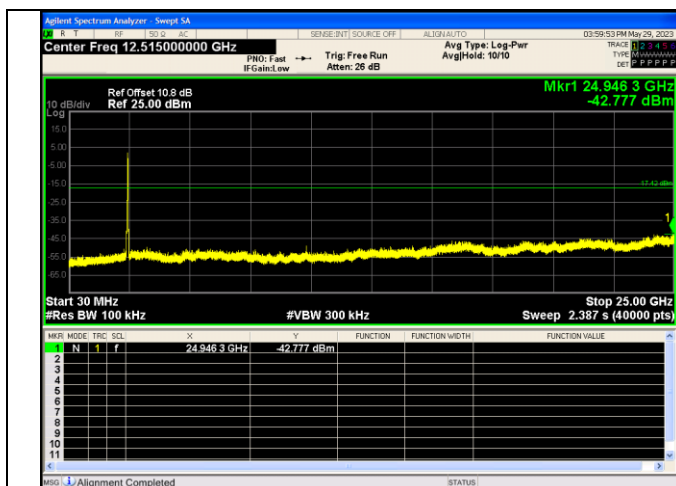


Out Of Band Emission
IEEE 802.11n Channel 3 40MHz Antenna 1

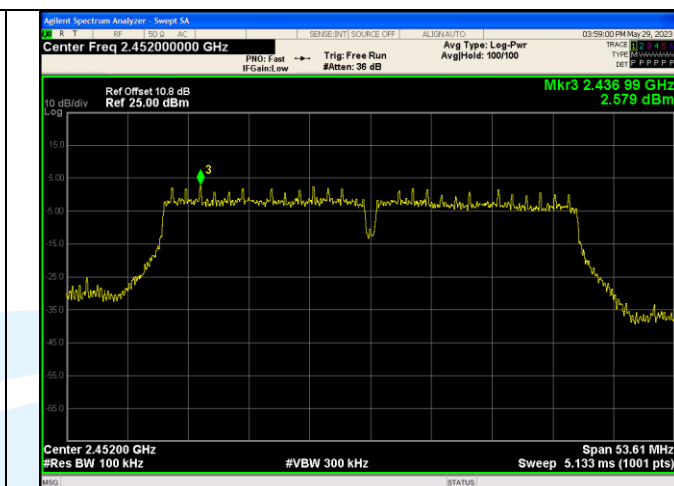


Spurious Emission
IEEE 802.11n Channel 3 40MHz Antenna 1

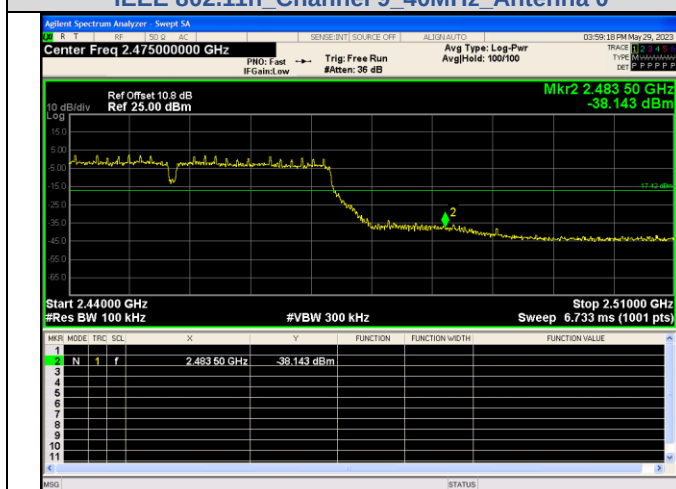




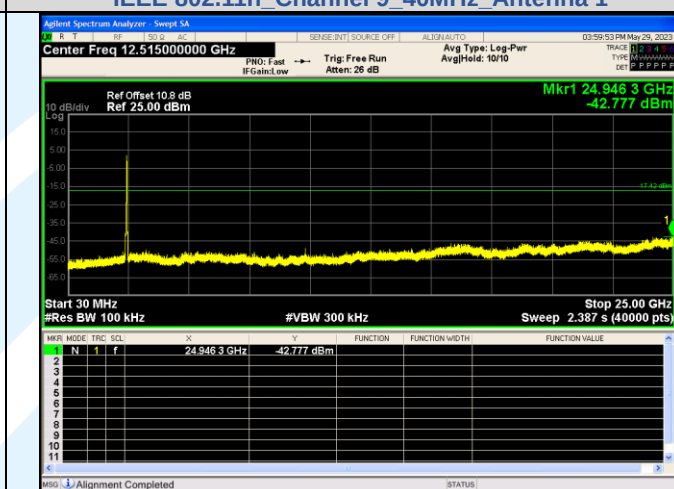
Spurious Emission
IEEE 802.11n Channel 9 40MHz Antenna 0



In-Band Reference Level
IEEE 802.11n Channel 9 40MHz Antenna 1



Out Of Band Emission
IEEE 802.11n Channel 9 40MHz Antenna 1

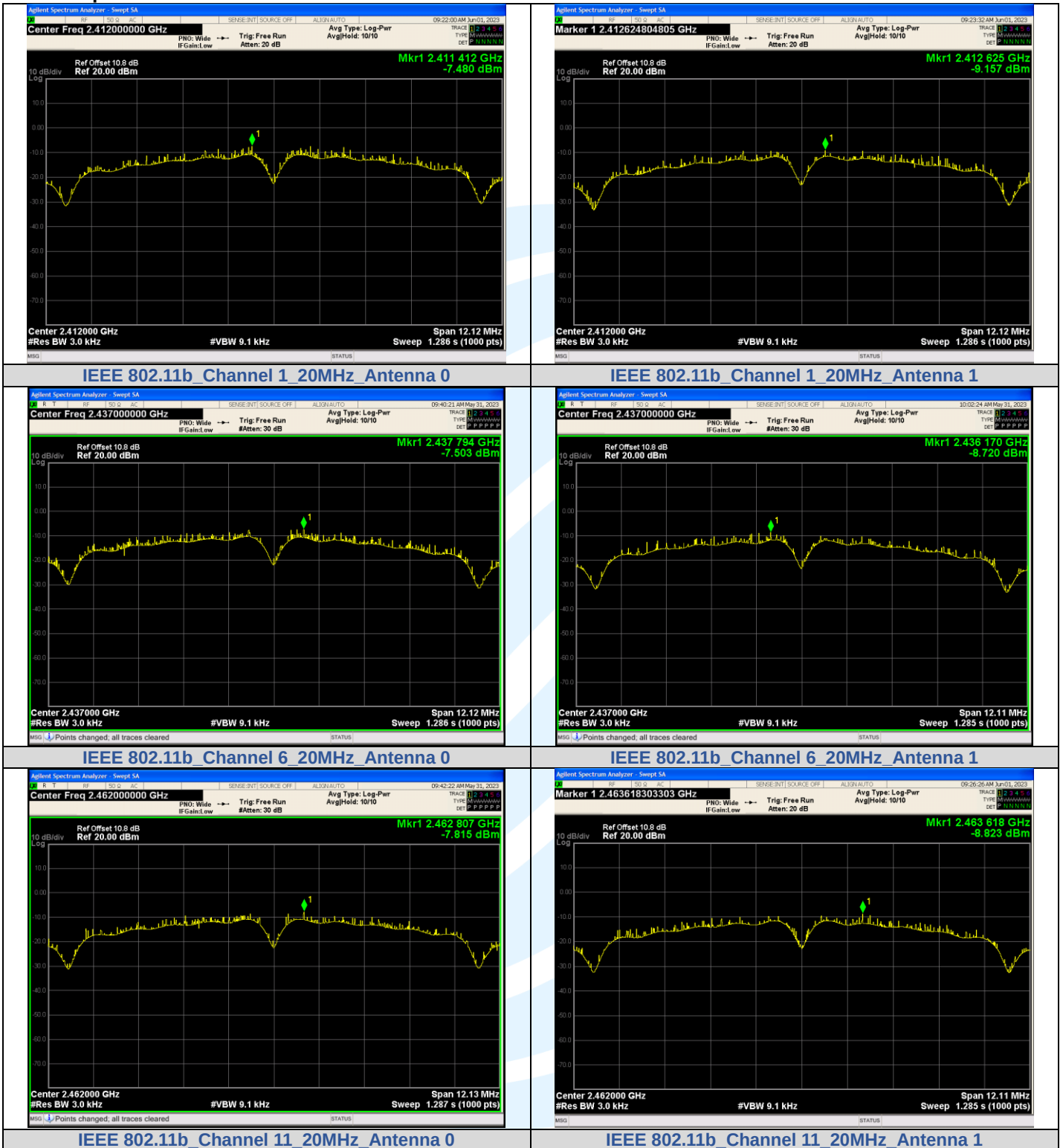


Spurious Emission
IEEE 802.11n Channel 9 40MHz Antenna 1

A.3 POWER SPECTRAL DENSITY

Mode	Channel	PSD (dBm/3kHz) Ant. 0	PSD (dBm/3kHz) Ant. 1	Total PSD (dBm/3kHz) Ant. 0+1	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-7.480	-9.157	N/A	8	PASS
	6	-7.503	-8.720	N/A		PASS
	11	-7.815	-8.823	N/A		PASS
IEEE 802.11g	1	-10.848	-11.726	N/A		PASS
	6	-9.787	-11.234	N/A		PASS
	11	-11.015	-11.198	N/A		PASS
IEEE 802.11n_20	1	-10.884	-12.368	-8.55		PASS
	6	-9.970	-12.296	-7.97		PASS
	11	-11.829	-10.578	-8.15		PASS
IEEE 802.11n_40	3	-11.926	-11.662	-8.78		PASS
	6	-12.123	-13.886	-9.91		PASS
	9	-12.382	-14.815	-10.42		PASS

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

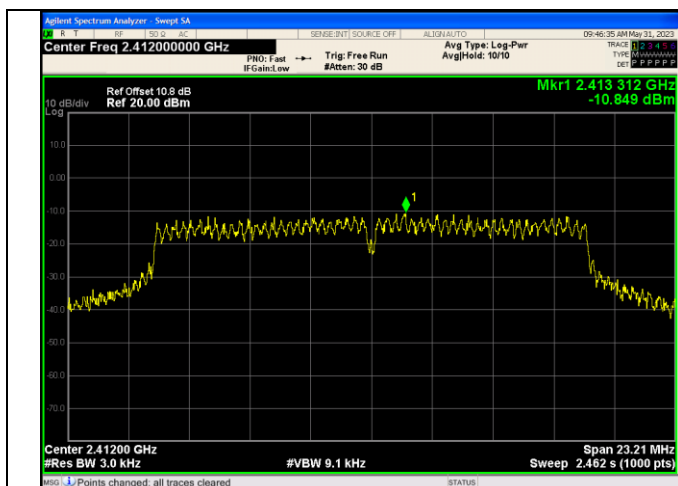
Tel: +86-755-28230888

Fax: +86-755-28230886

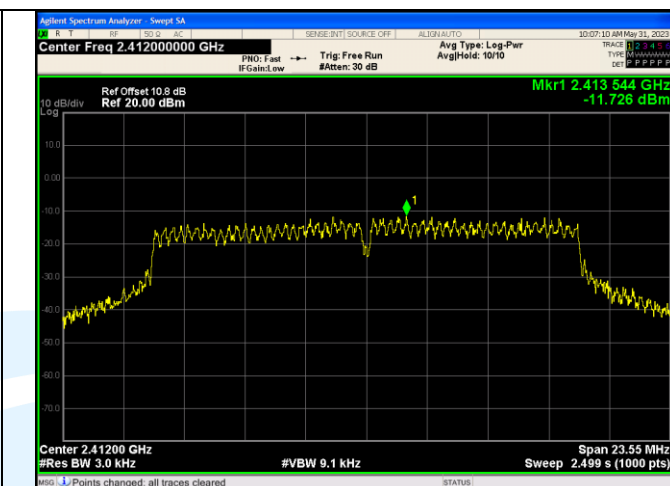
E-mail: info@uttlab.com

<http://www.uttlab.com>

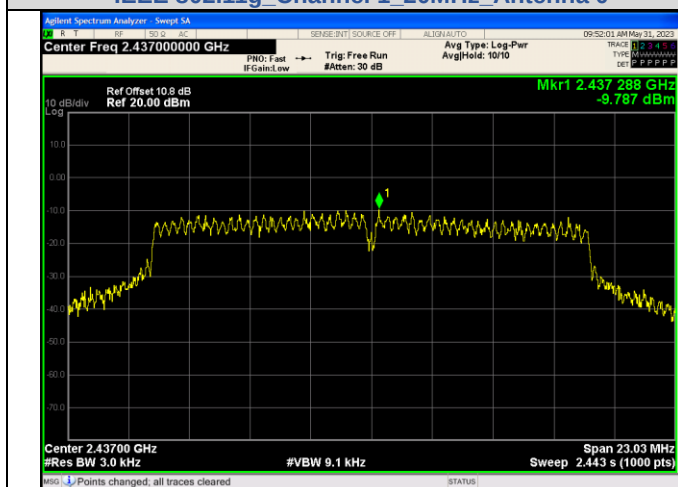
UTTR-RF-FCCPART15.247-V1.1



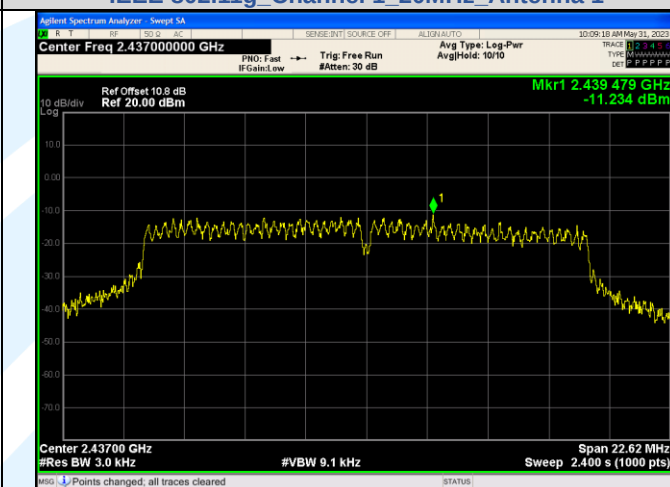
IEEE 802.11g Channel 1 20MHz Antenna 0



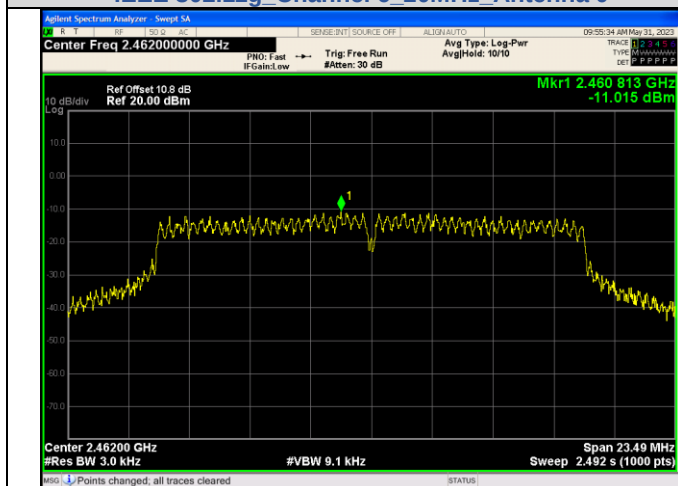
IEEE 802.11g Channel 1 20MHz Antenna 1



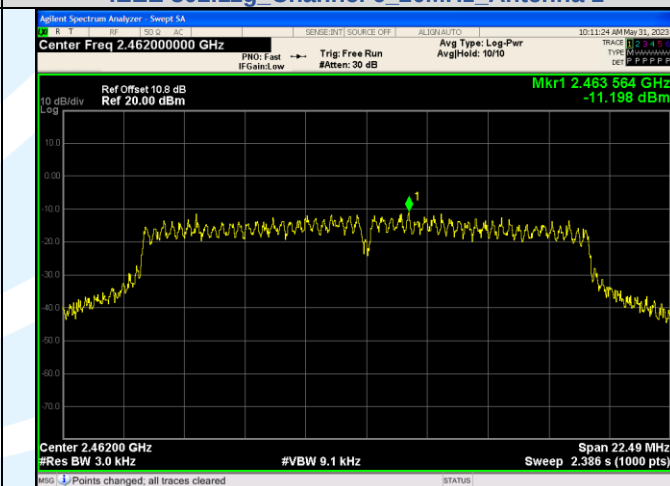
IEEE 802.11g Channel 6 20MHz Antenna 0



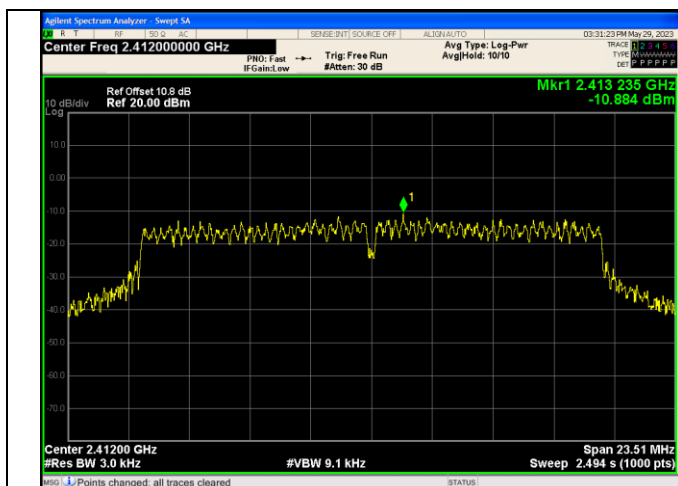
IEEE 802.11g Channel 6 20MHz Antenna 1



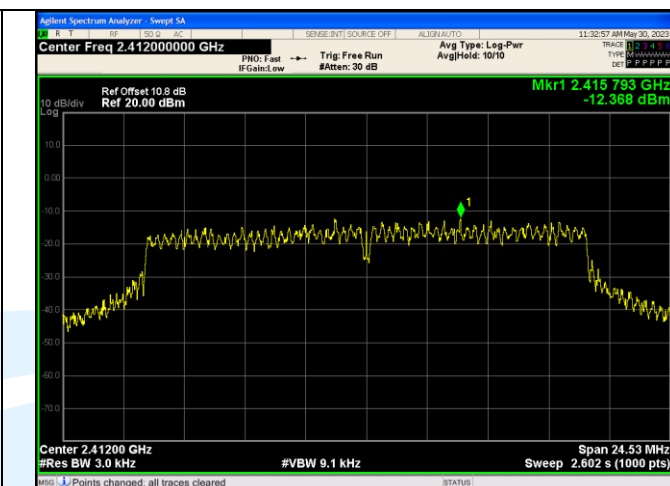
IEEE 802.11g Channel 11 20MHz Antenna 0



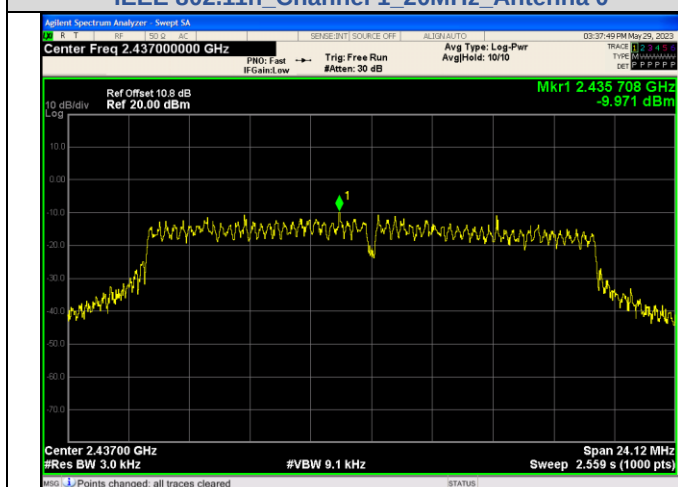
IEEE 802.11g Channel 11 20MHz Antenna 1



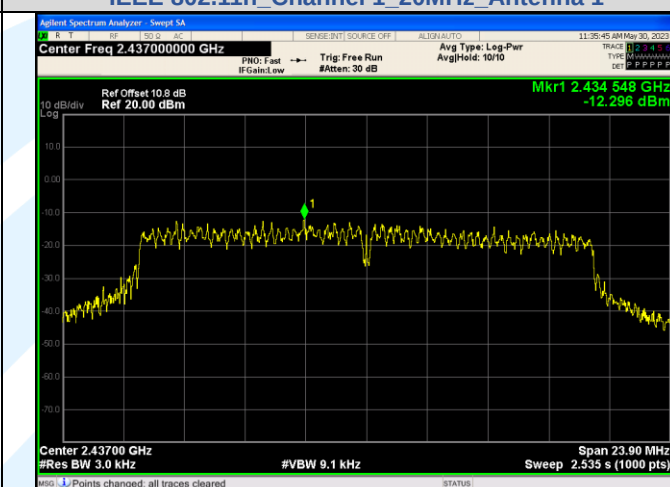
IEEE 802.11n Channel 1 20MHz Antenna 0



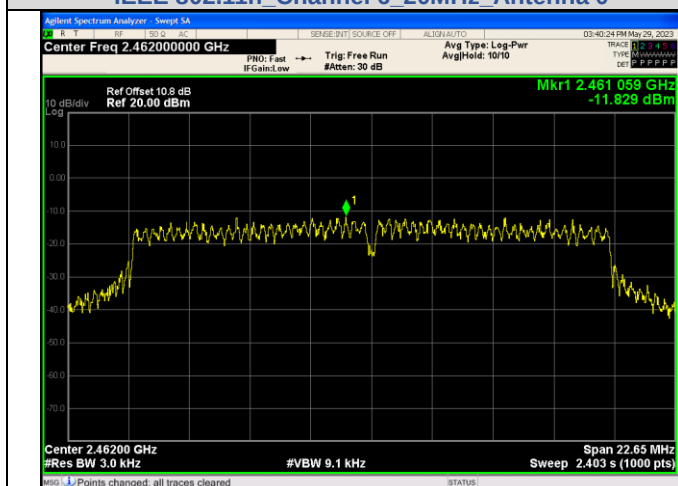
IEEE 802.11n Channel 1 20MHz Antenna 1



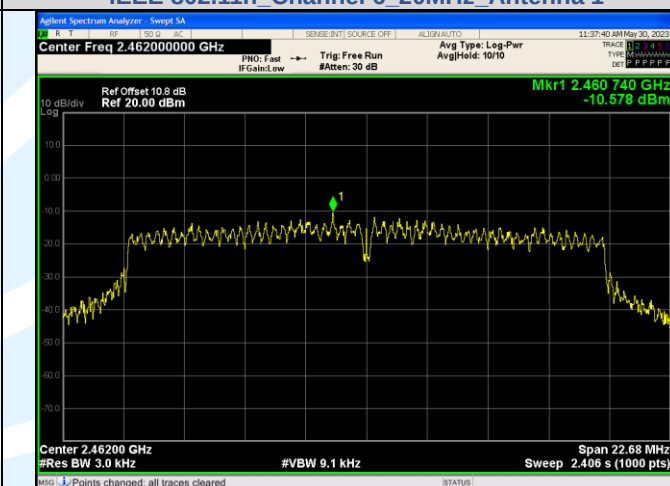
IEEE 802.11n Channel 6 20MHz Antenna 0



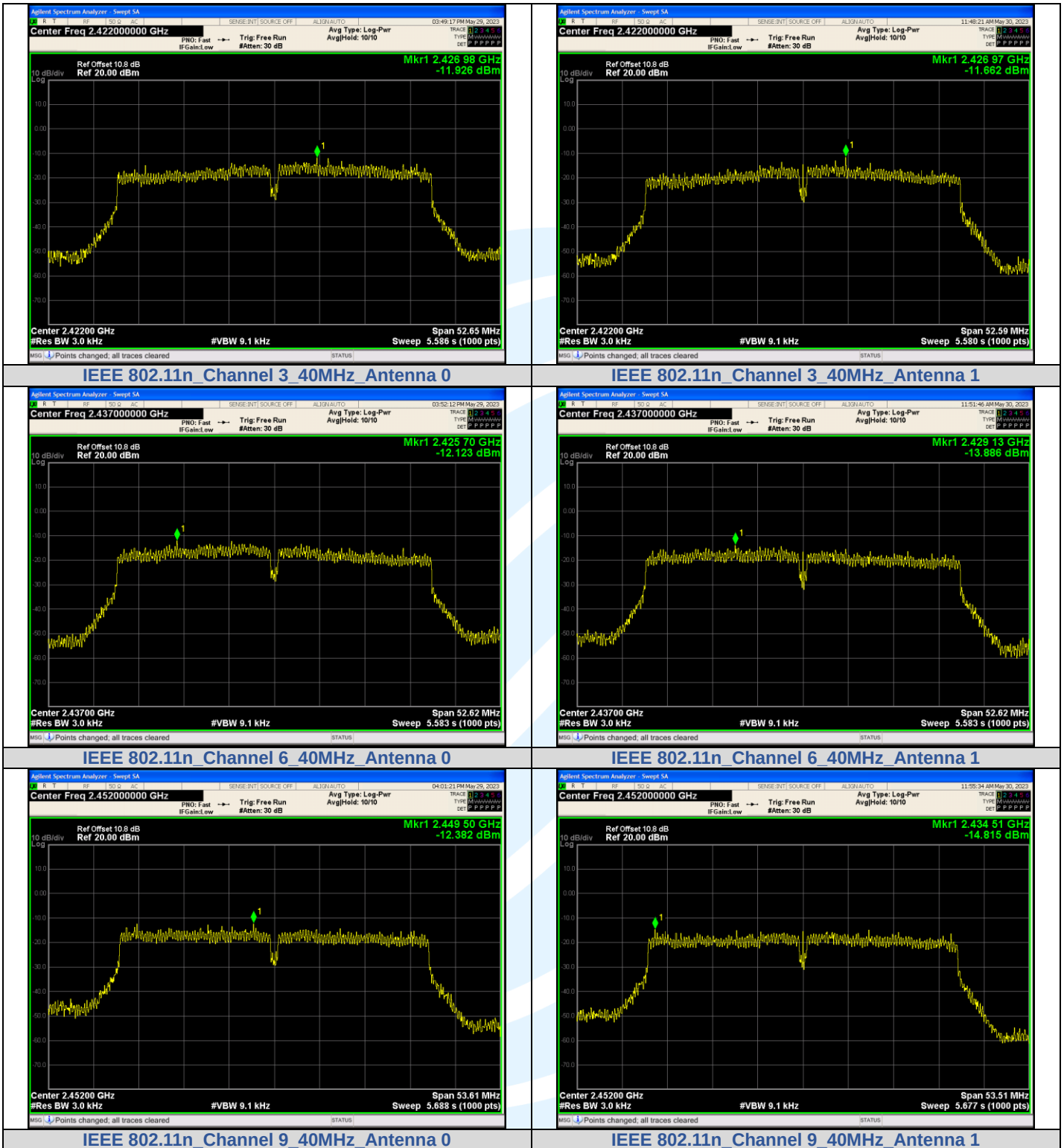
IEEE 802.11n Channel 6 20MHz Antenna 1



IEEE 802.11n Channel 11 20MHz Antenna 0



IEEE 802.11n Channel 11 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-FCCPART15.247-V1.1

APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

*** End of Report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.
