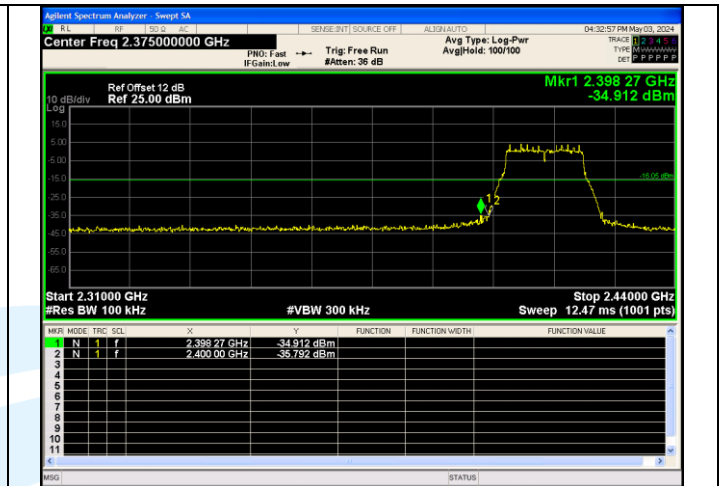
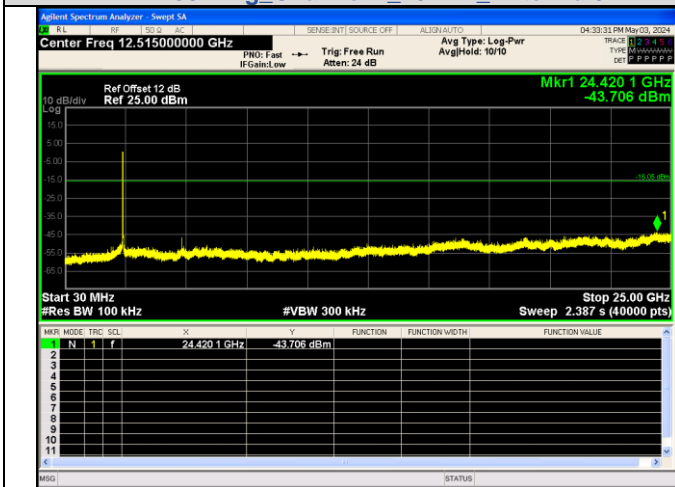


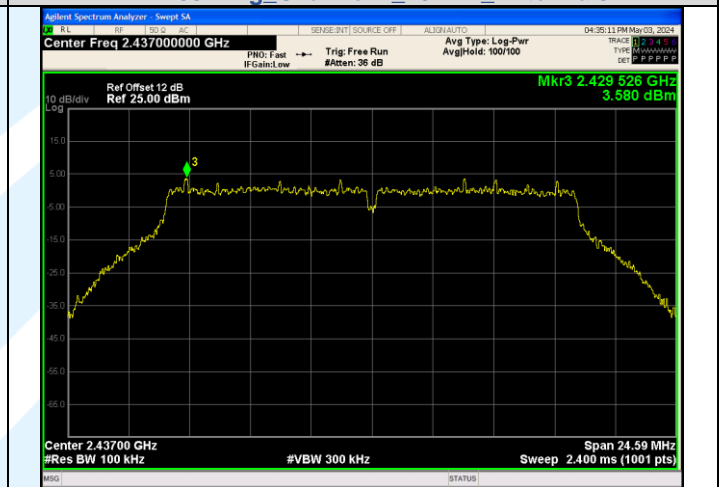
**In-Band Reference Level
 IEEE 802.11g Channel 1 20MHz Antenna 0**



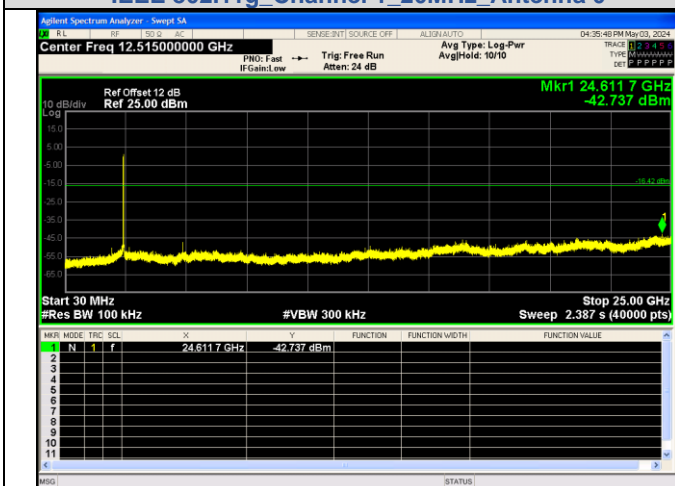
**Out Of Band Emission
 IEEE 802.11g Channel 1 20MHz Antenna 0**



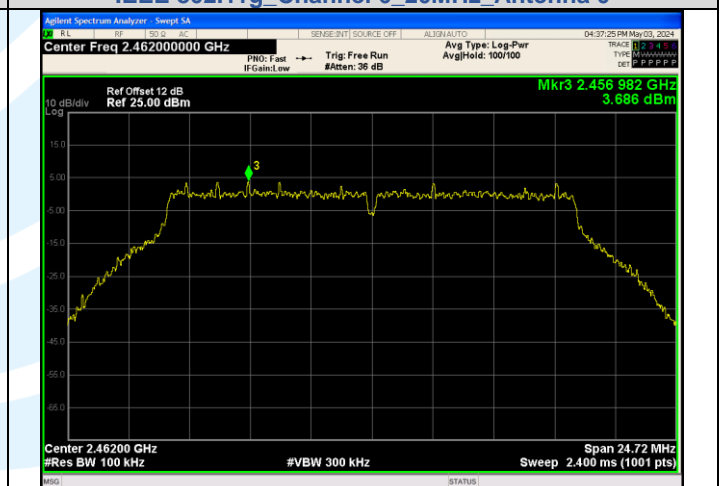
**30.0 MHz - 25000.0 MHz
 IEEE 802.11g Channel 1 20MHz Antenna 0**



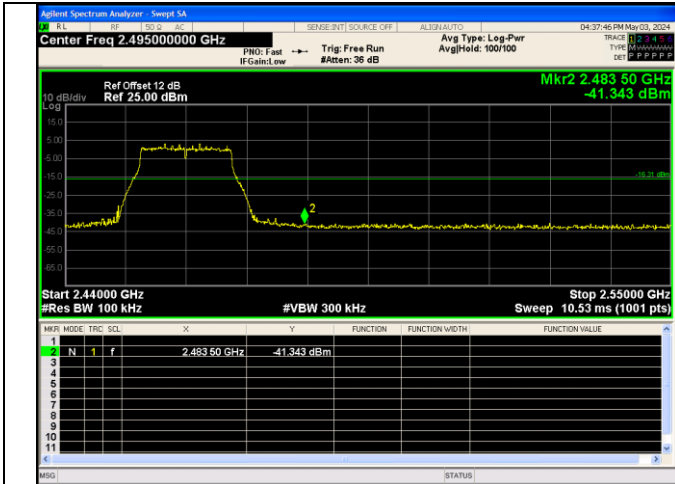
**In-Band Reference Level
 IEEE 802.11g Channel 6 20MHz Antenna 0**



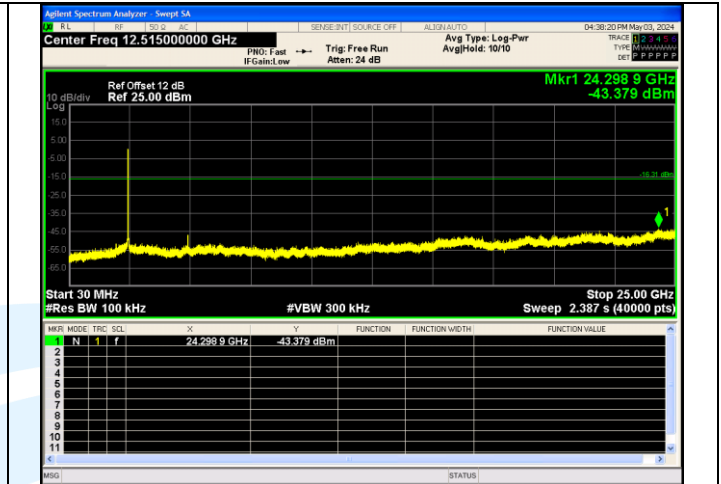
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 IEEE 802.11g Channel 6 20MHz Antenna 0**



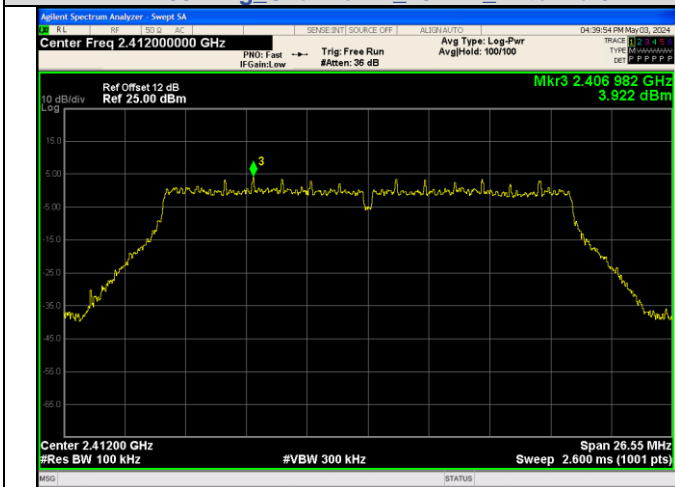
**In-Band Reference Level
 IEEE 802.11g Channel 11 20MHz Antenna 0**



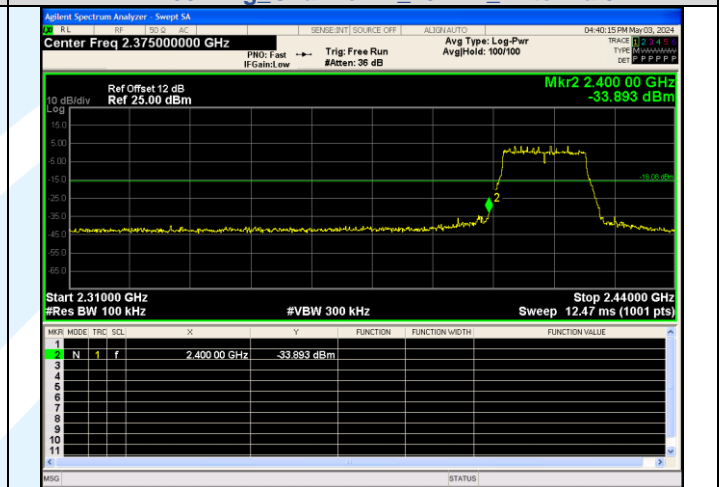
Out Of Band Emission
IEEE 802.11g Channel 11 20MHz Antenna 0



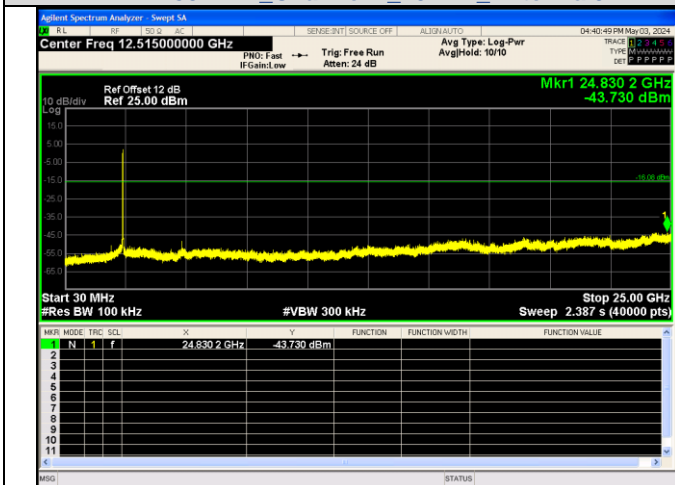
30.0 MHz - 25000.0 MHz
IEEE 802.11g Channel 11 20MHz Antenna 0



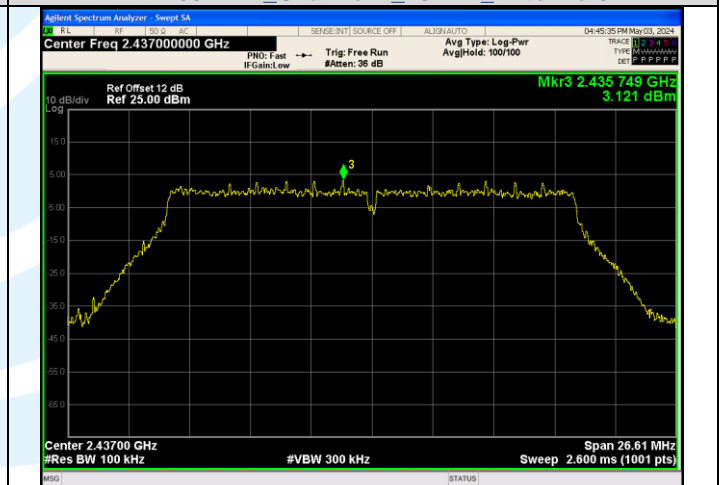
In-Band Reference Level
IEEE 802.11n Channel 1 20MHz Antenna 0



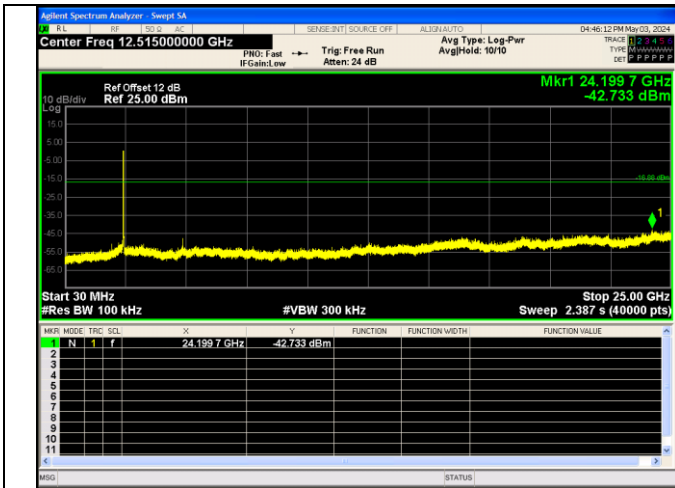
Out Of Band Emission
IEEE 802.11n Channel 1 20MHz Antenna 0



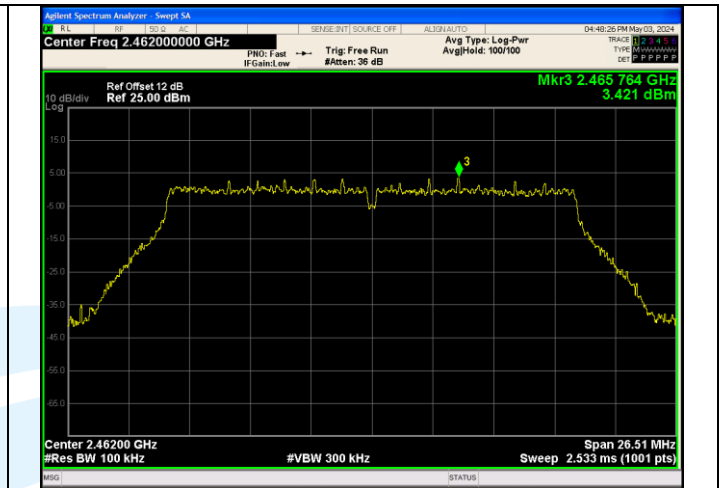
30.0 MHz - 25000.0 MHz
IEEE 802.11n Channel 1 20MHz Antenna 0



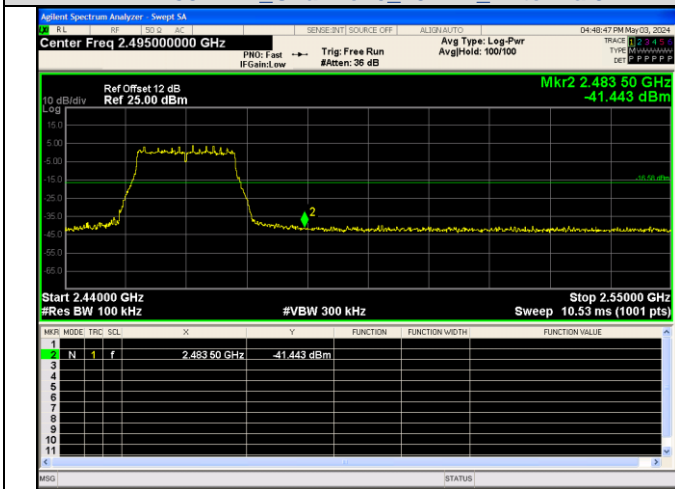
In-Band Reference Level
IEEE 802.11n Channel 6 20MHz Antenna 0



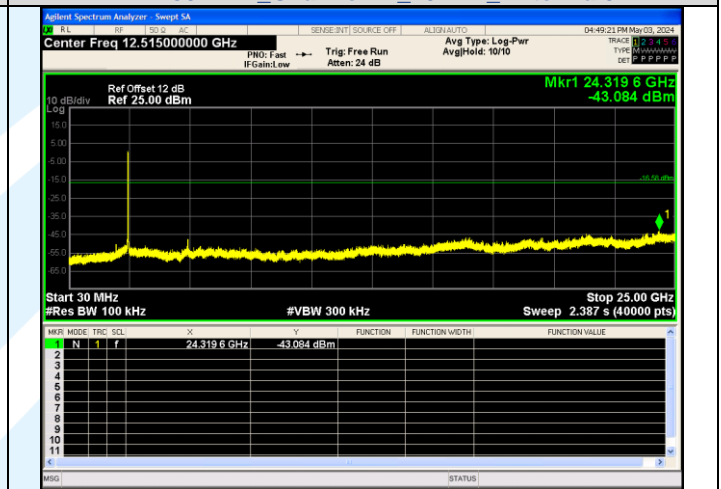
30.0 MHz - 25000.0 MHz
 IEEE 802.11n Channel 6 20MHz Antenna 0



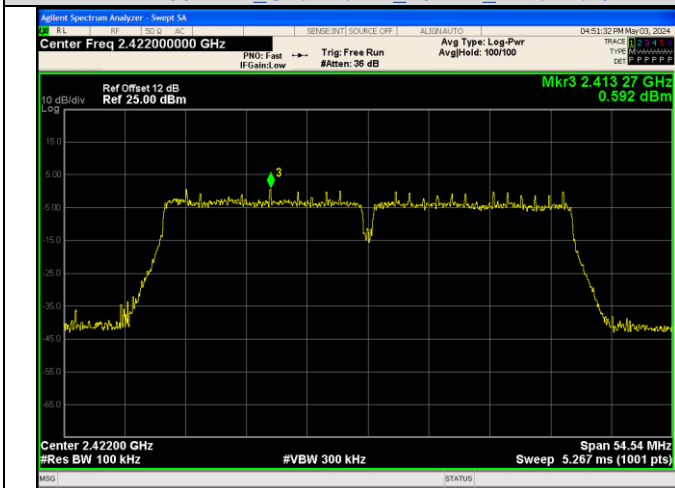
In-Band Reference Level
 IEEE 802.11n Channel 11 20MHz Antenna 0



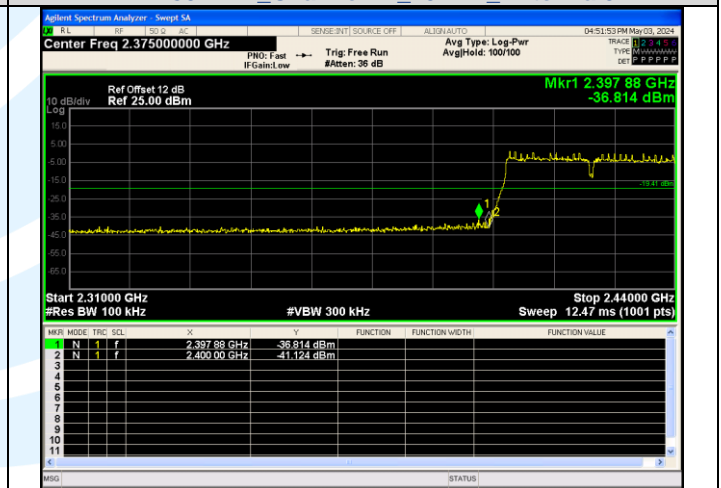
Out Of Band Emission
 IEEE 802.11n Channel 11 20MHz Antenna 0



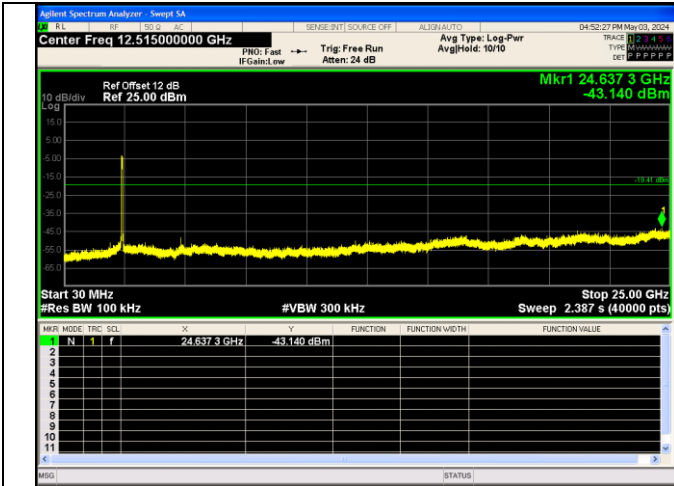
30.0 MHz - 25000.0 MHz
 IEEE 802.11n Channel 11 20MHz Antenna 0



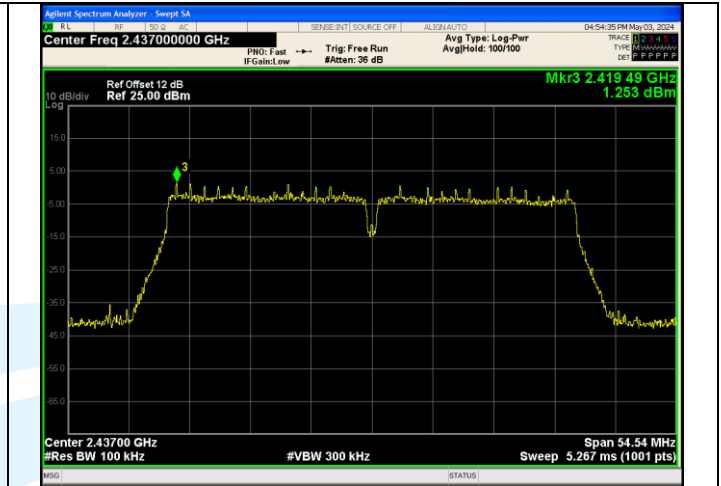
In-Band Reference Level
 IEEE 802.11n Channel 3 40MHz Antenna 0



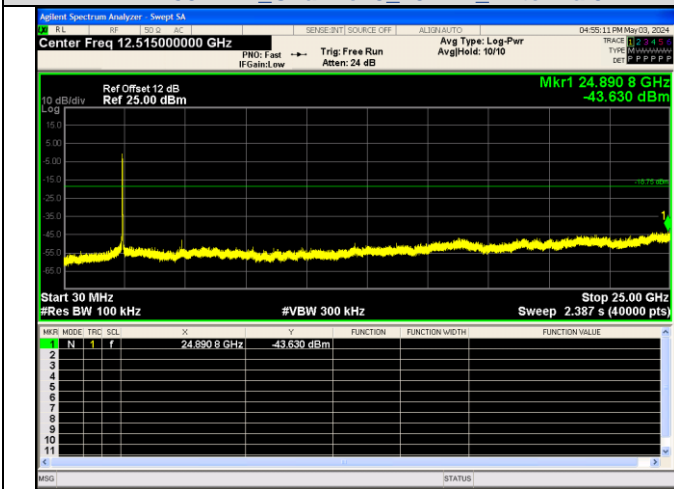
Out Of Band Emission
 IEEE 802.11n Channel 3 40MHz Antenna 0



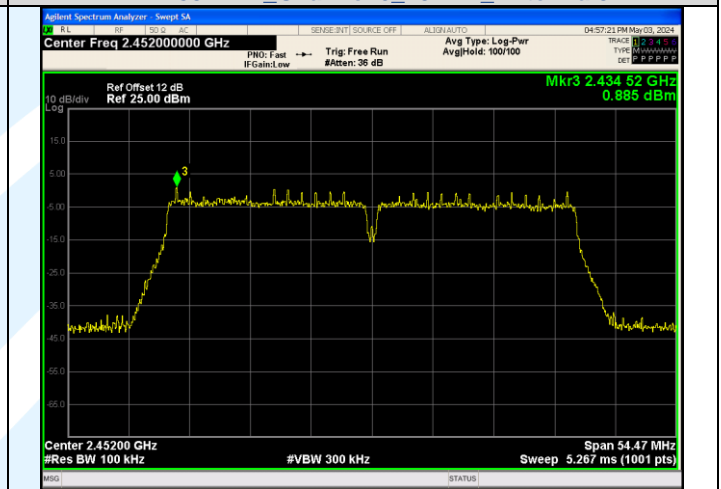
30.0 MHz - 25000.0 MHz
IEEE 802.11n Channel 3 40MHz Antenna 0



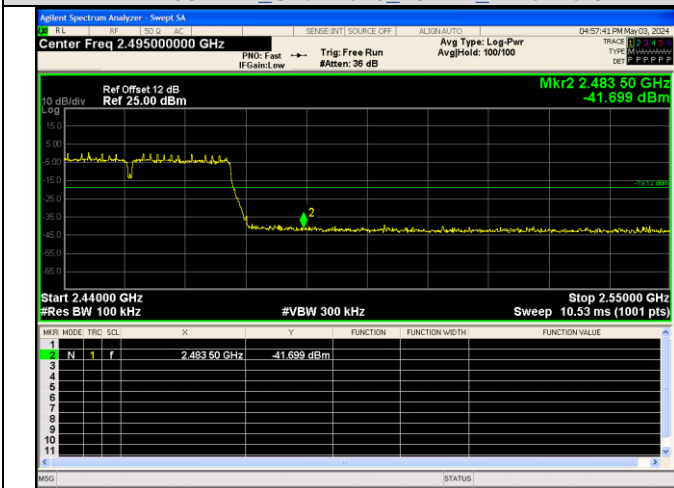
In-Band Reference Level
IEEE 802.11n Channel 6 40MHz Antenna 0



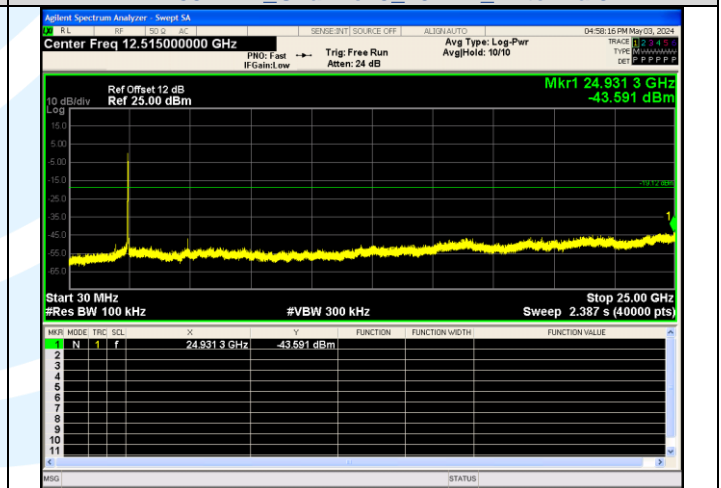
30.0 MHz - 25000.0 MHz
IEEE 802.11n Channel 6 40MHz Antenna 0



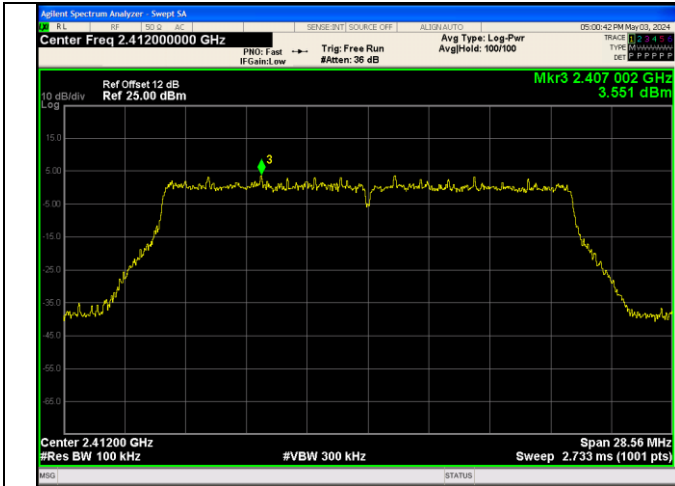
In-Band Reference Level
IEEE 802.11n Channel 9 40MHz Antenna 0



Out Of Band Emission
IEEE 802.11n Channel 9 40MHz Antenna 0

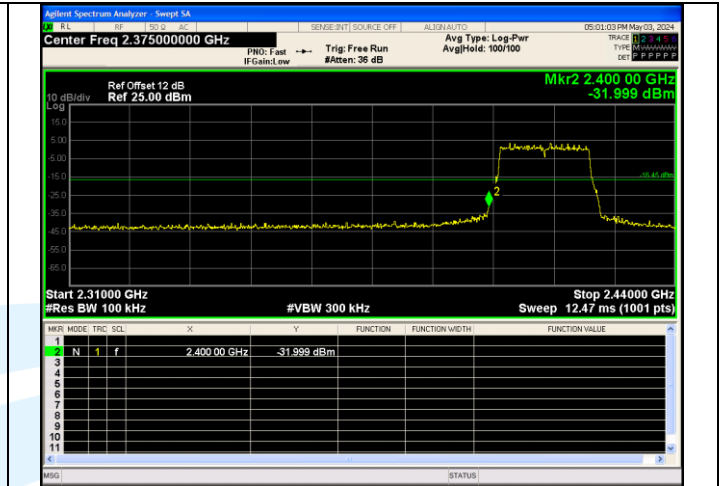


30.0 MHz - 25000.0 MHz
IEEE 802.11n Channel 9 40MHz Antenna 0



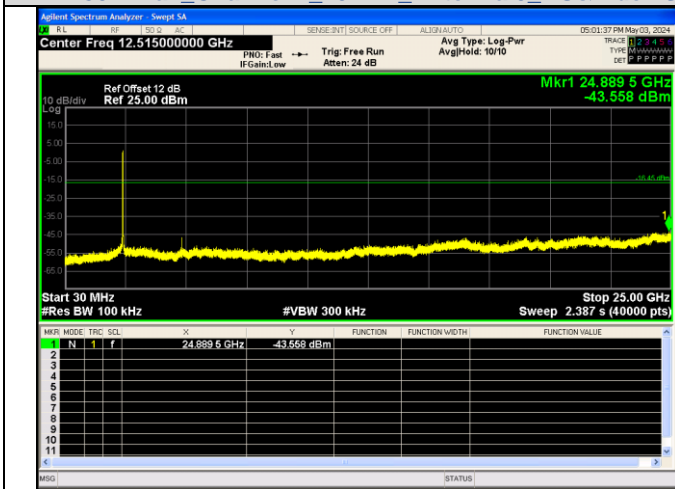
In-Band Reference Level

IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index SU



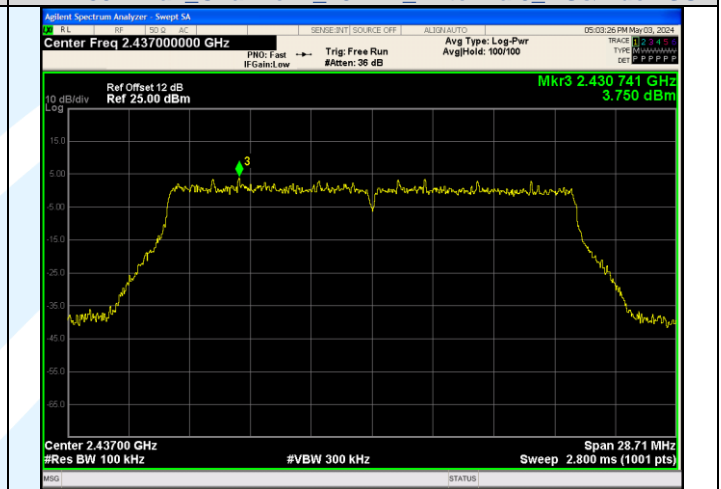
Out Of Band Emission

IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index SU



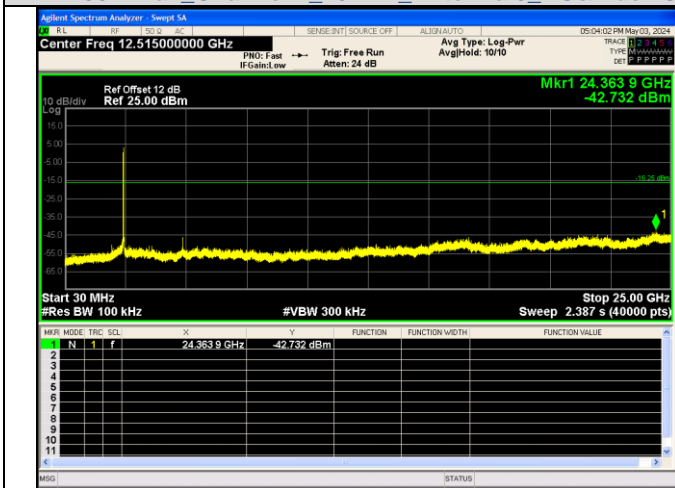
30.0 MHz - 25000.0 MHz

IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index SU



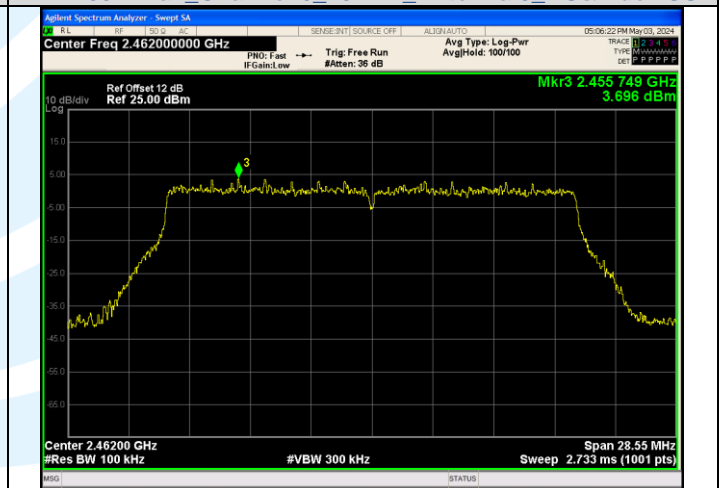
In-Band Reference Level

IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index SU



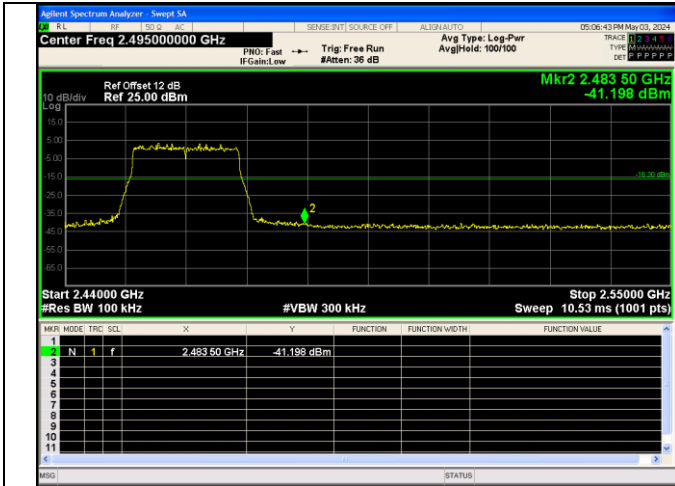
30.0 MHz - 25000.0 MHz

IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index SU

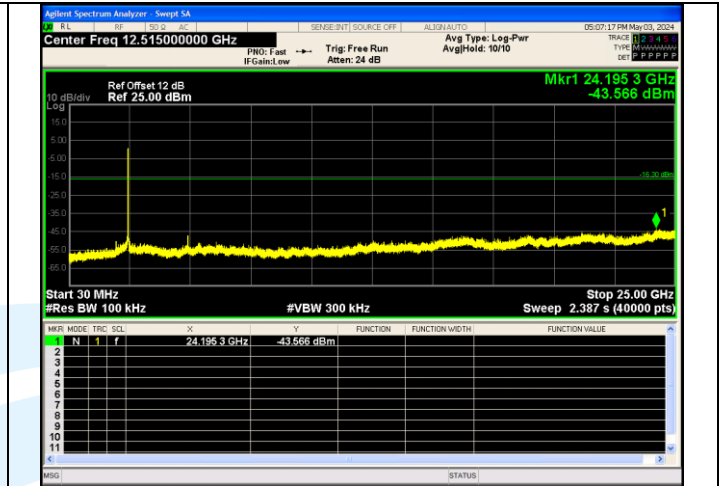


In-Band Reference Level

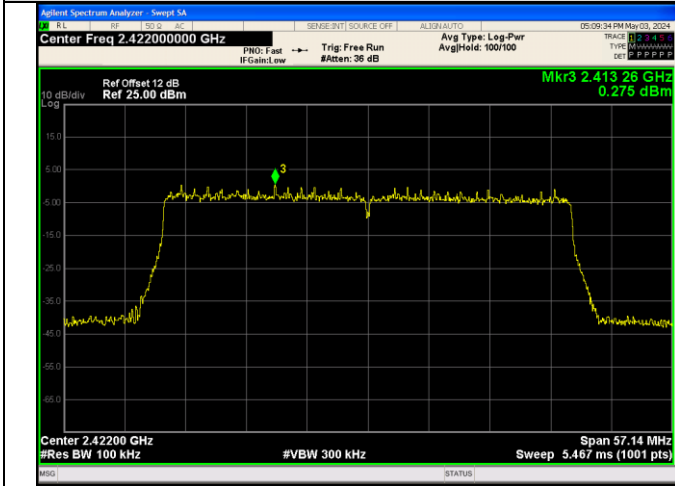
IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



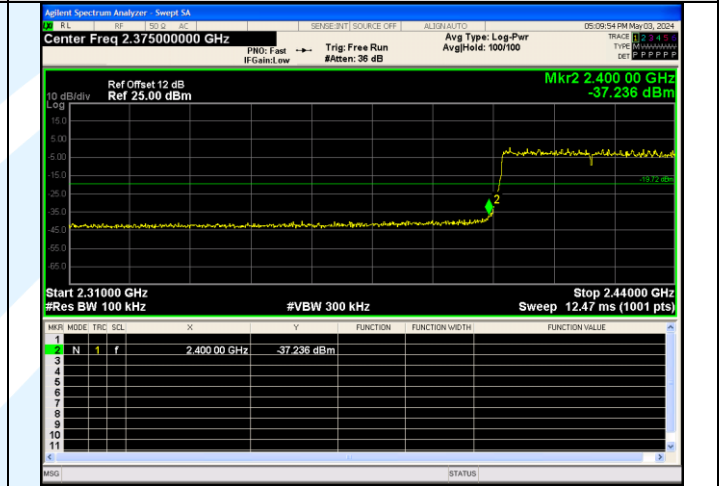
Out Of Band Emission
IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



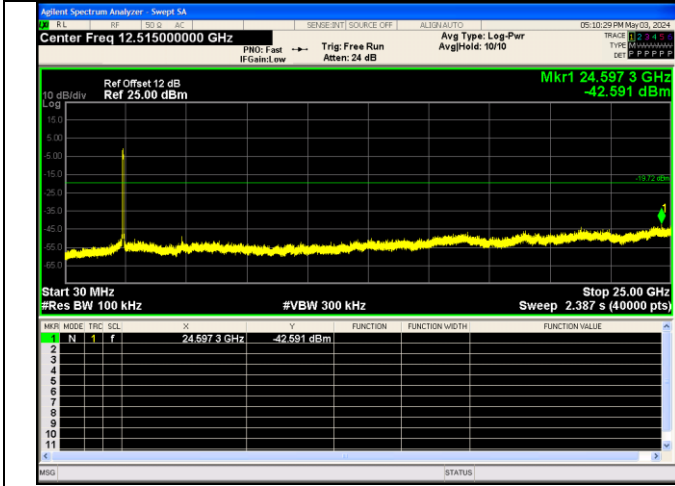
30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



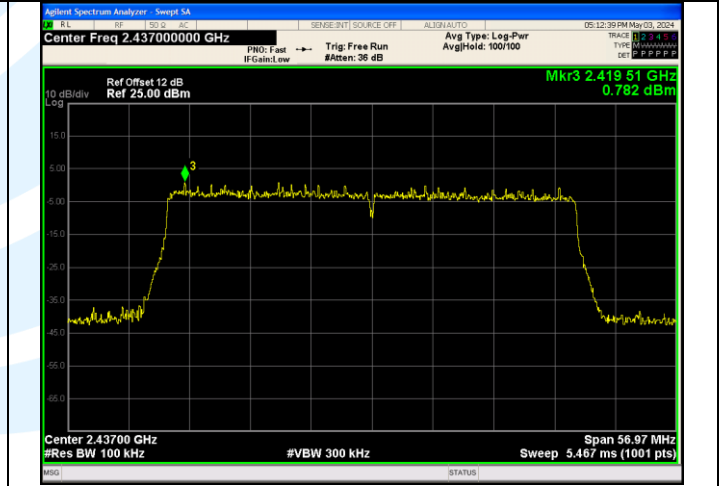
In-Band Reference Level
IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



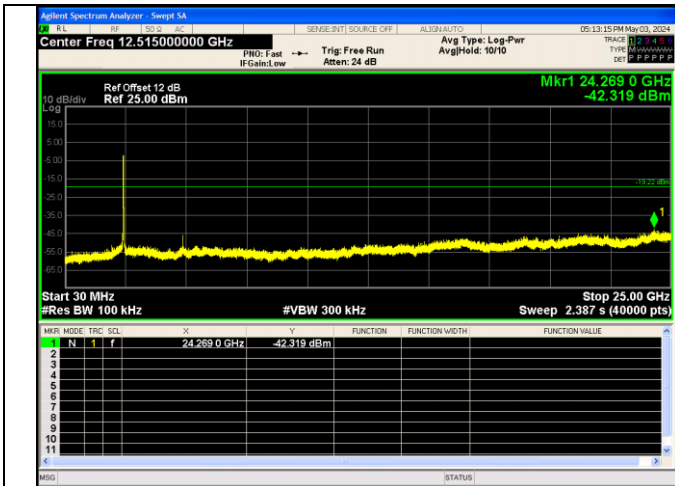
Out Of Band Emission
IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



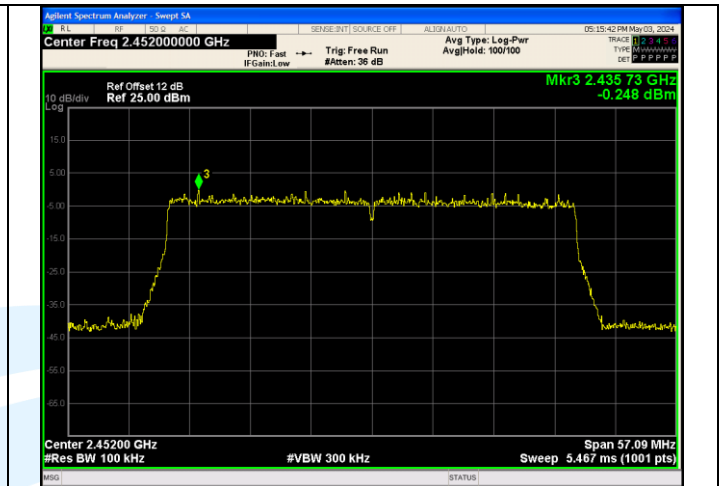
30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



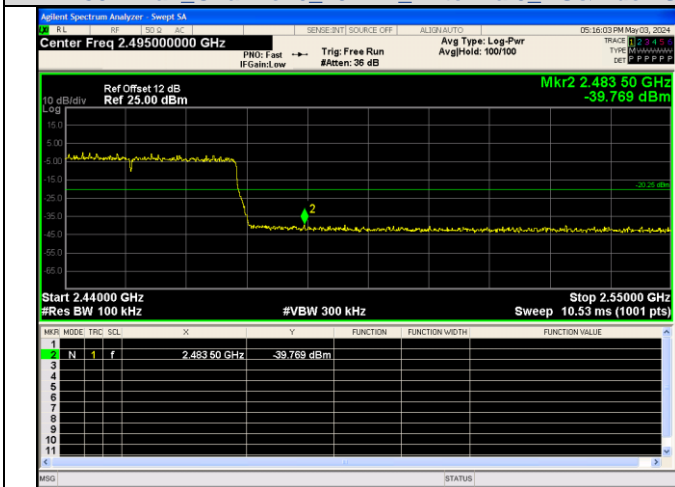
In-Band Reference Level
IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index SU



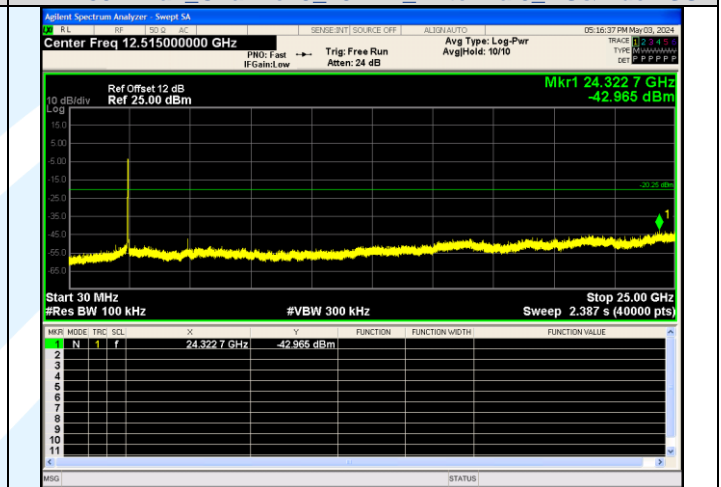
30.0 MHz - 25000.0 MHz
IEEE 802.11ax Channel 6 40MHz_Antenna 0_RU&Index SU



In-Band Reference Level
IEEE 802.11ax Channel 9 40MHz_Antenna 0_RU&Index SU



Out Of Band Emission
IEEE 802.11ax Channel 9 40MHz_Antenna 0_RU&Index SU



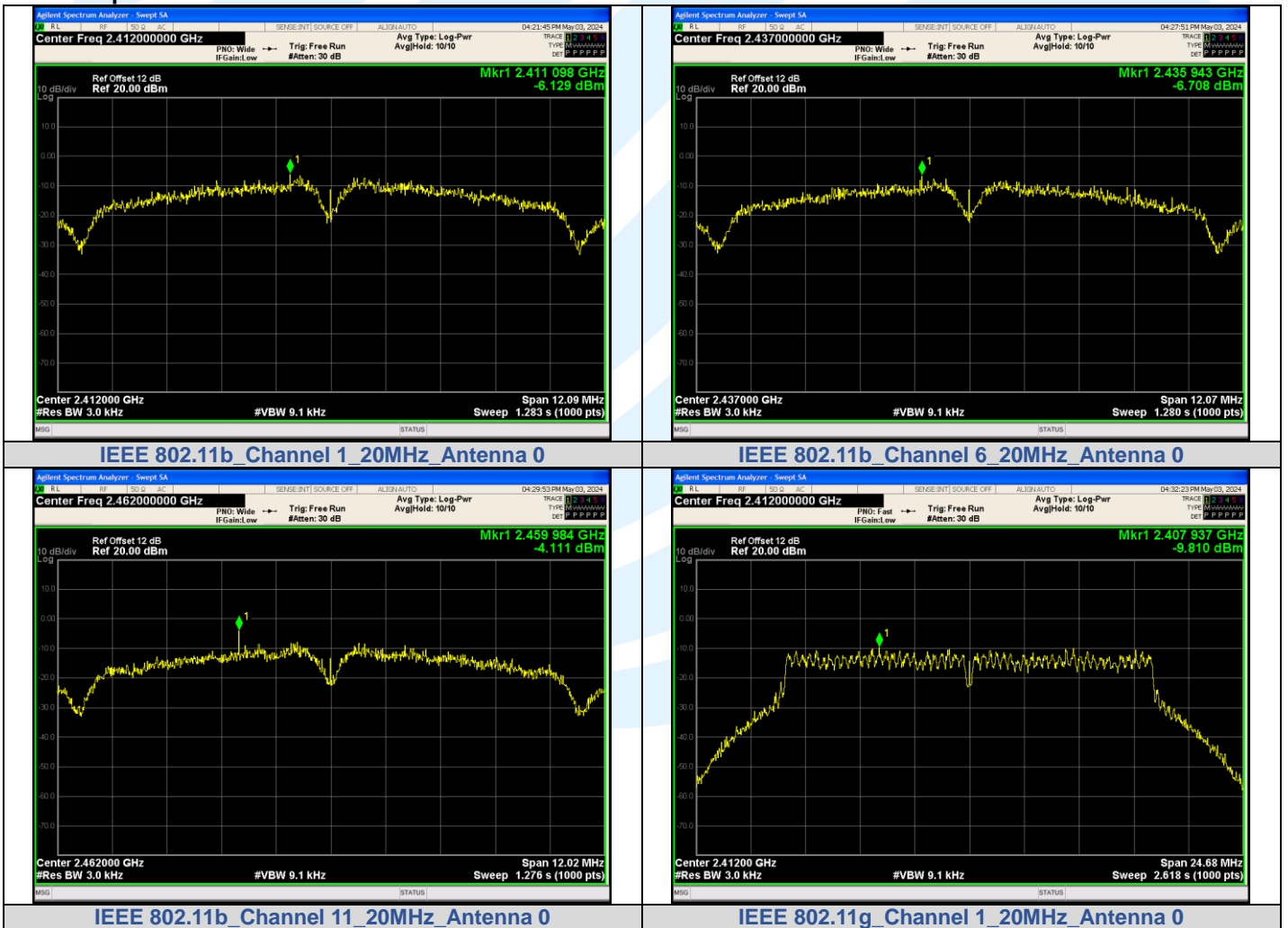
30.0 MHz - 25000.0 MHz
IEEE 802.11ax Channel 9 40MHz_Antenna 0_RU&Index SU

A.4 POWER SPECTRAL DENSITY

Test Result

Mode	Channel	RU & Index	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	N/A	-6.129	8	PASS
	6		-6.708		PASS
	11		-4.111		PASS
IEEE 802.11g	1		-9.810		PASS
	6		-9.462		PASS
	11		-9.002		PASS
IEEE 802.11n_20	1		-10.177		PASS
	6		-10.230		PASS
	11		-10.569		PASS
IEEE 802.11n_40	3		-13.338		PASS
	6		-12.425		PASS
	9	-13.510	PASS		
IEEE 802.11ax_20	1	SU	-11.730	PASS	
	6		-11.276	PASS	
	11		-11.080	PASS	
IEEE 802.11ax_40	3		-13.832	PASS	
	6		-13.283	PASS	
	9		-14.269	PASS	

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

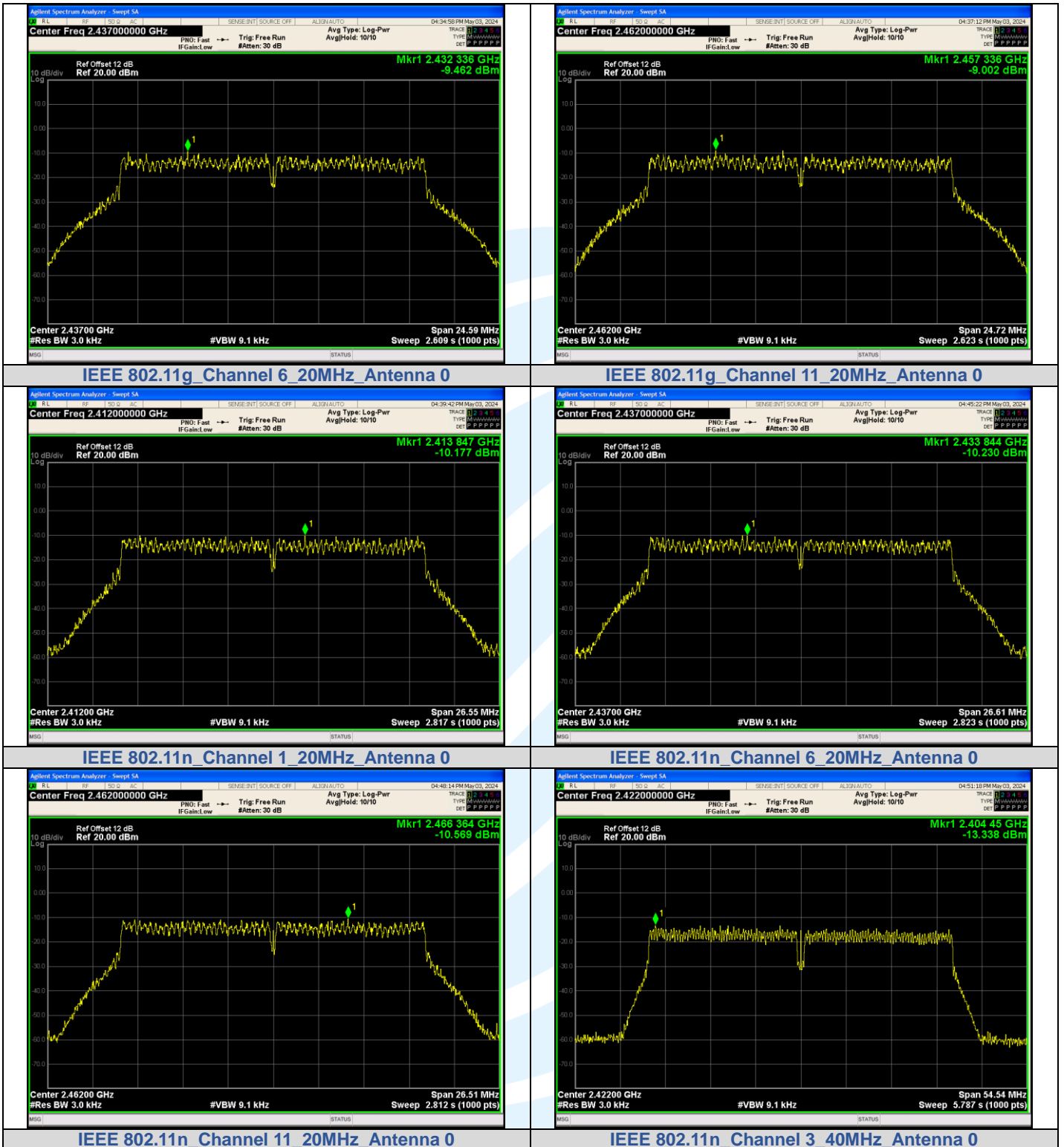
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Fax: +86-755-28230886

E-mail: info@uttlab.com

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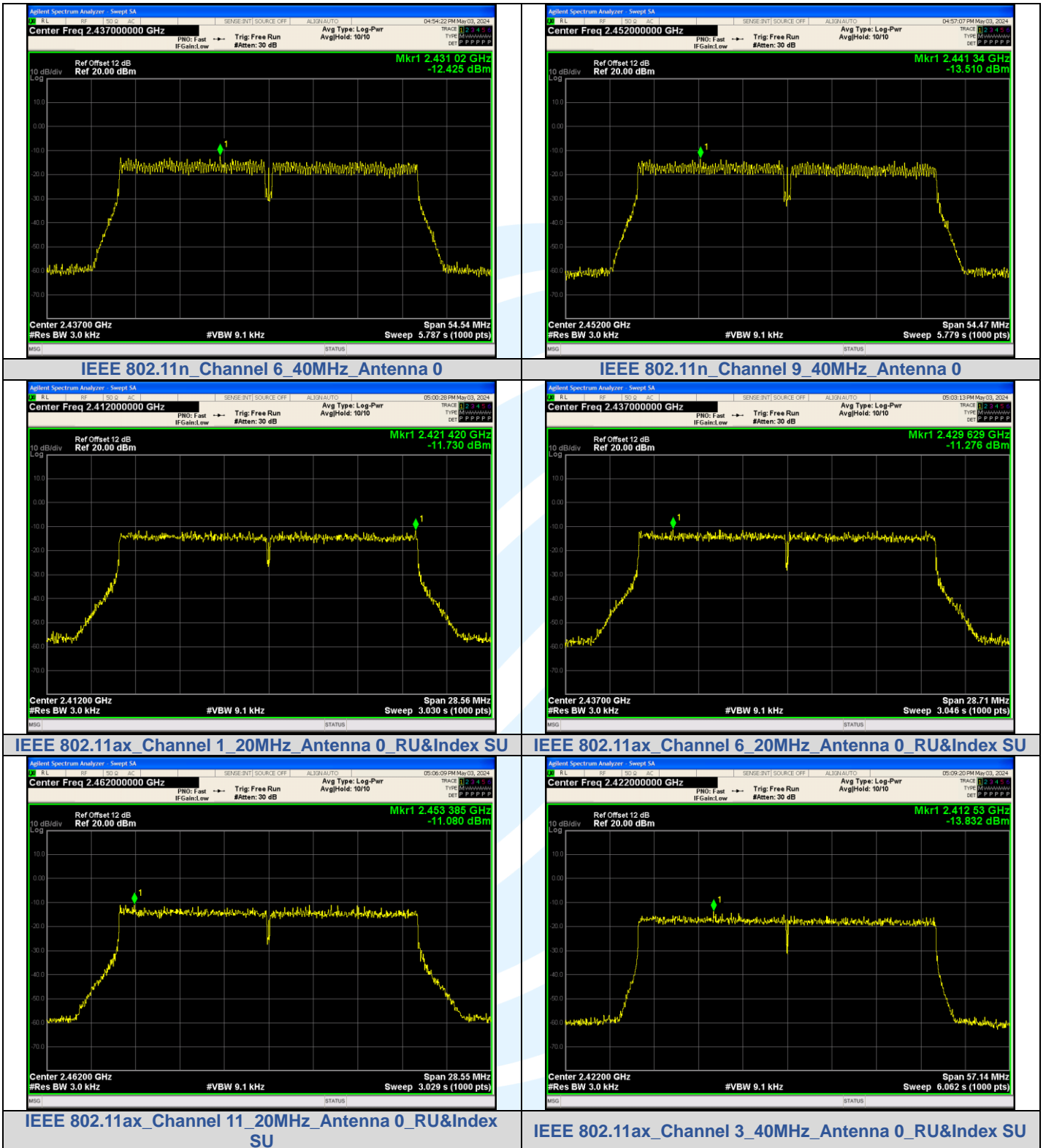
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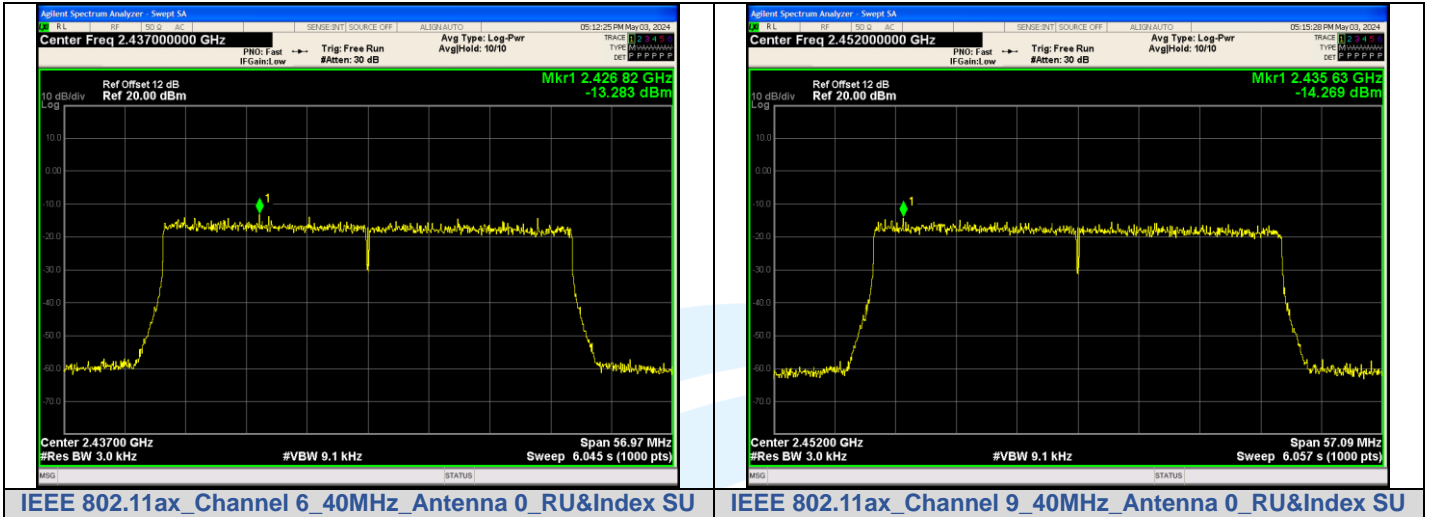
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Tel: +86-755-28230888

Fax: +86-755-28230886

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A.5 RADIATED SPURIOUS EMISSIONS

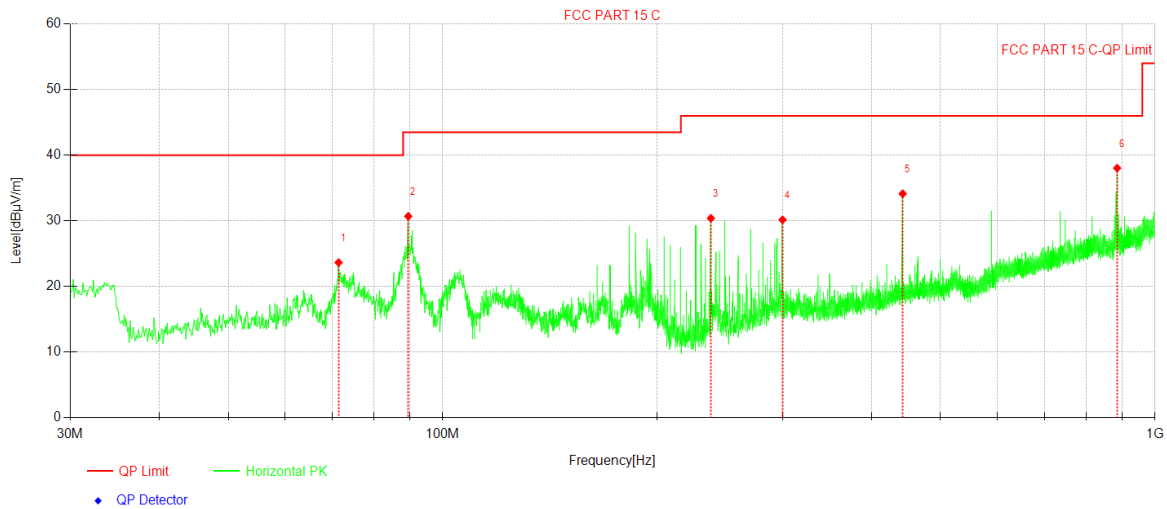
Radiated Emission Test Data (9 KHz ~ 30 MHz):

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

Radiated Emission Test Data (30 MHz ~ 1 GHz):

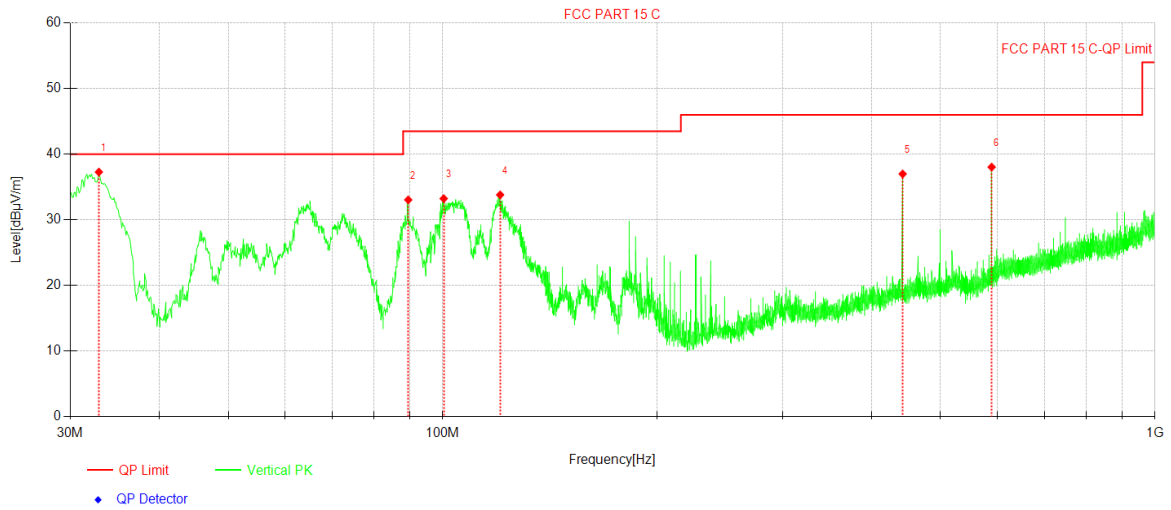
Worst-Case Configuration(IEEE 802.11g _Channel 11)

Horizontal



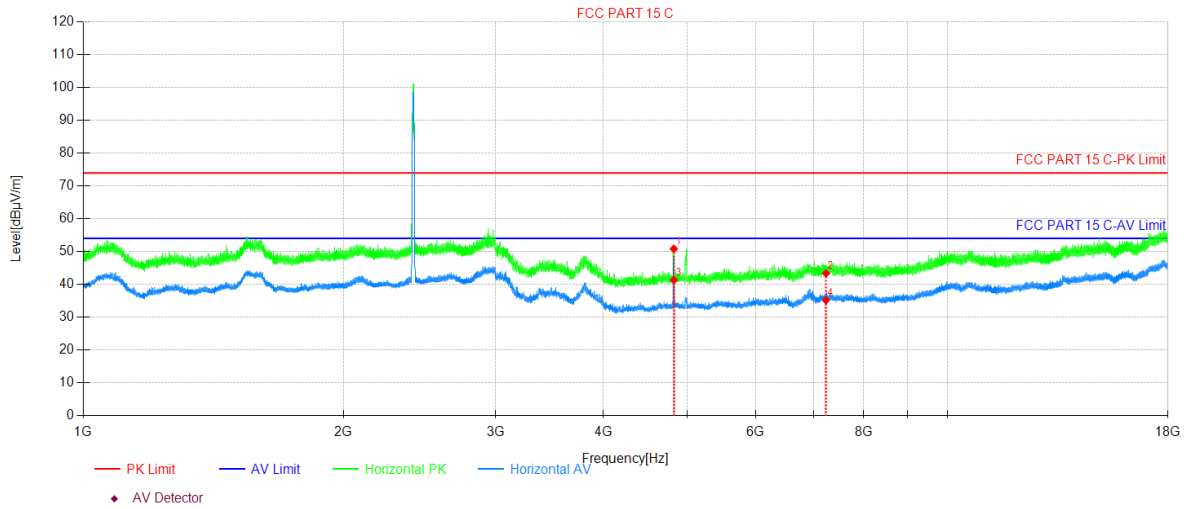
No.	Frequency (MHz)	Reading (dBUV)	Correction factor (dB)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	71.423142	33.98	-10.35	23.63	40.00	16.37	PK
2	89.466947	44.55	-13.86	30.69	43.50	12.81	PK
3	237.988799	39.77	-9.38	30.39	46.00	15.61	PK
4	299.977998	37.14	-6.99	30.15	46.00	15.85	PK
5	442.388239	37.12	-2.99	34.13	46.00	11.87	PK
6	884.752475	33.36	4.67	38.03	46.00	7.97	PK

Vertical



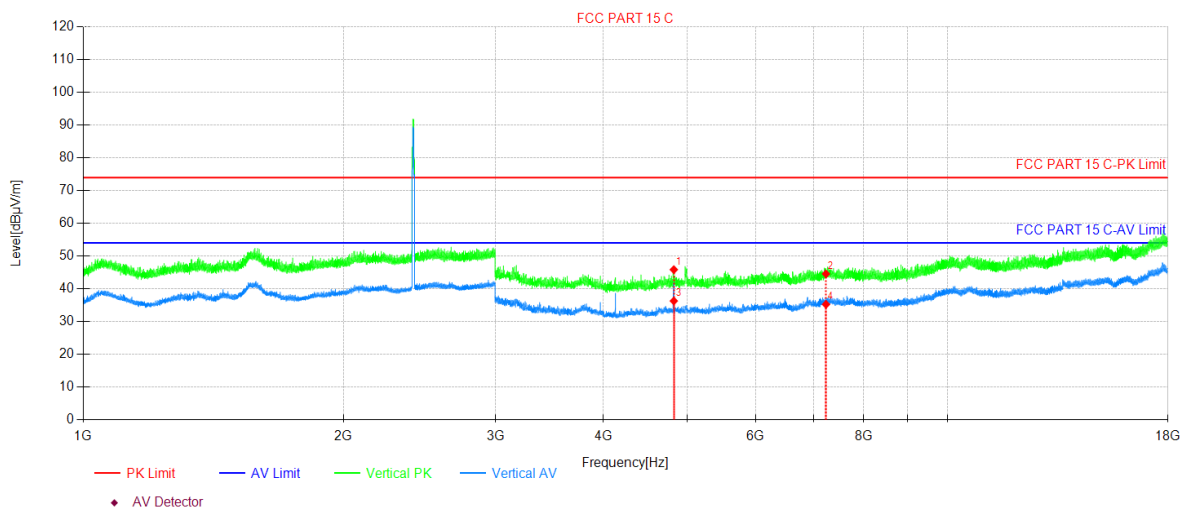
No.	Frequency (MHz)	Reading (dBUV)	Correction factor (dB)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	32.910291	46.88	-9.60	37.28	40.00	2.72	PK
2	89.466947	46.90	-13.86	33.04	43.50	10.46	PK
3	100.332033	45.81	-12.58	33.23	43.50	10.27	PK
4	120.413041	44.05	-10.25	33.80	43.50	9.70	PK
5	442.388239	39.98	-2.99	36.99	46.00	9.01	PK
6	589.842984	38.43	-0.39	38.04	46.00	7.96	PK

Radiated Emission Test Data (Above 1GHz):
IEEE 802.11b_ Lowest Channel:
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4824.0912	55.47	-4.63	50.84	74.00	23.16	150	15	PK	Horizontal	PASS
2	7236.2118	45.07	-1.70	43.37	74.00	30.63	150	153	PK	Horizontal	PASS
3	4824.0912	45.96	-4.63	41.33	54.00	12.67	150	15	AV	Horizontal	PASS
4	7236.2118	36.89	-1.70	35.19	54.00	18.81	150	153	AV	Horizontal	PASS

Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4824.0912	50.48	-4.63	45.85	74.00	28.15	150	109	PK	Vertical	PASS
2	7236.2118	46.26	-1.70	44.56	74.00	29.44	150	109	PK	Vertical	PASS
3	4824.0912	40.91	-4.63	36.28	54.00	17.72	150	109	AV	Vertical	PASS
4	7236.2118	36.93	-1.70	35.23	54.00	18.77	150	2	AV	Vertical	PASS

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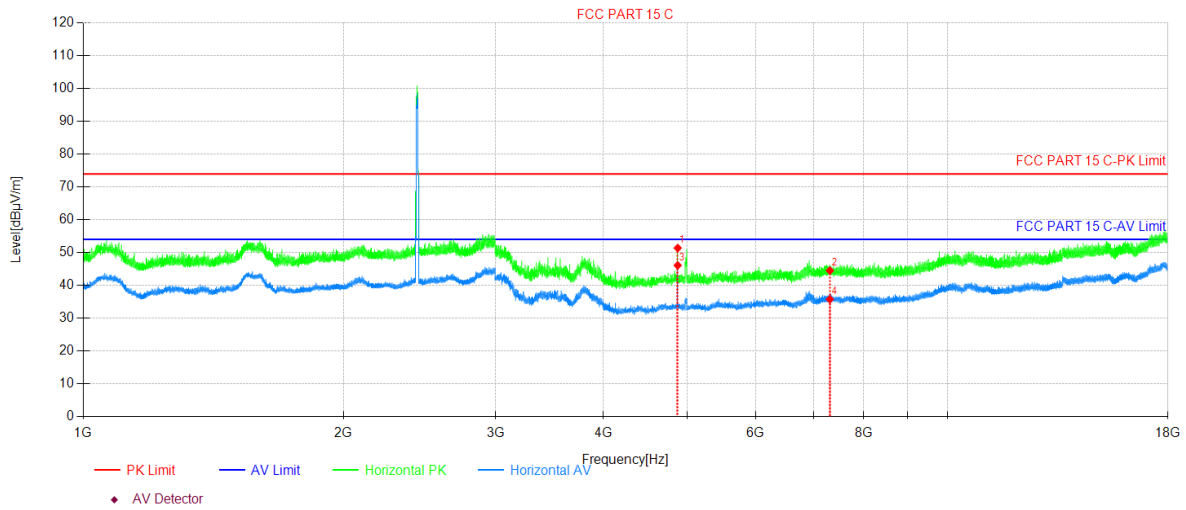
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<http://www.uttlab.com>

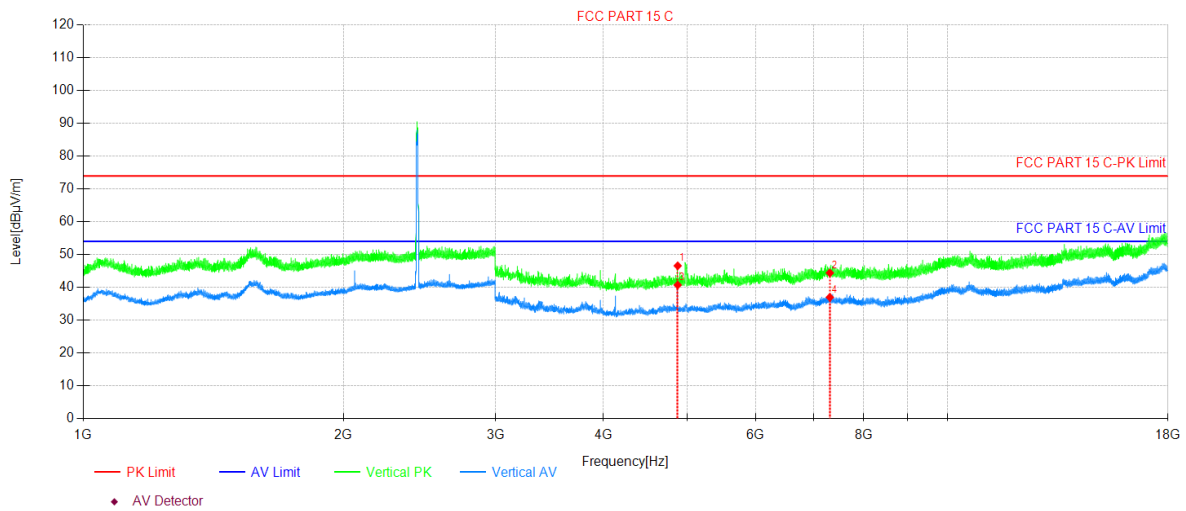
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IEEE 802.11b _ Middle Channe:
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4874.3437	56.08	-4.70	51.38	74.00	22.62	150	32	PK	Horizontal	PASS
2	7311.2156	46.03	-1.53	44.50	74.00	29.50	150	72	PK	Horizontal	PASS
3	4874.3437	50.79	-4.70	46.09	54.00	7.91	150	16	AV	Horizontal	PASS
4	7311.2156	37.29	-1.53	35.76	54.00	18.24	150	140	AV	Horizontal	PASS

Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4874.3437	51.27	-4.70	46.57	74.00	27.43	150	112	PK	Vertical	PASS
2	7311.2156	45.93	-1.53	44.40	74.00	29.60	150	138	PK	Vertical	PASS
3	4874.3437	45.41	-4.70	40.71	54.00	13.29	150	112	AV	Vertical	PASS
4	7311.2156	38.49	-1.53	36.96	54.00	17.04	150	153	AV	Vertical	PASS

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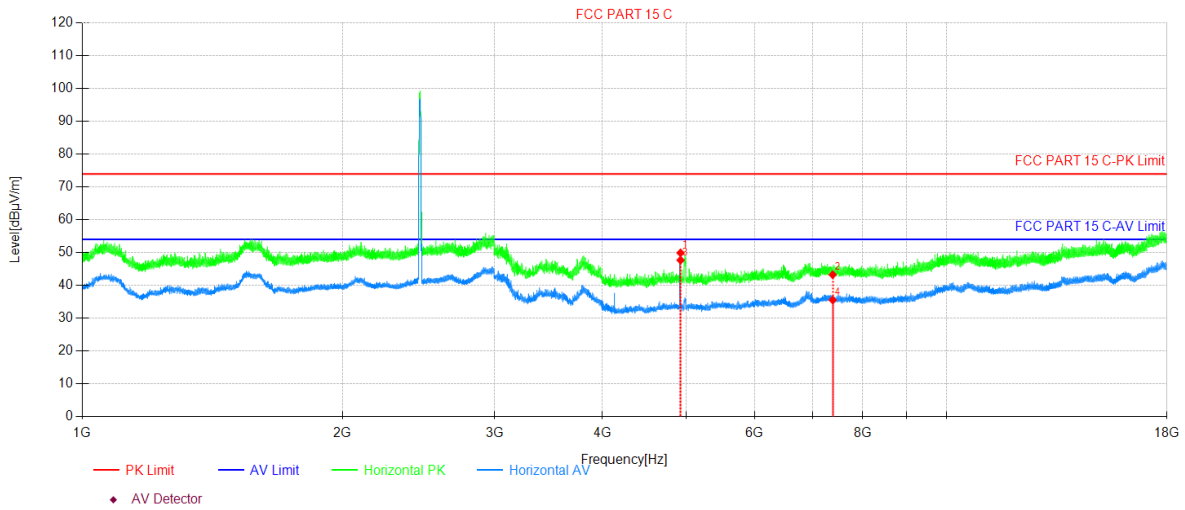
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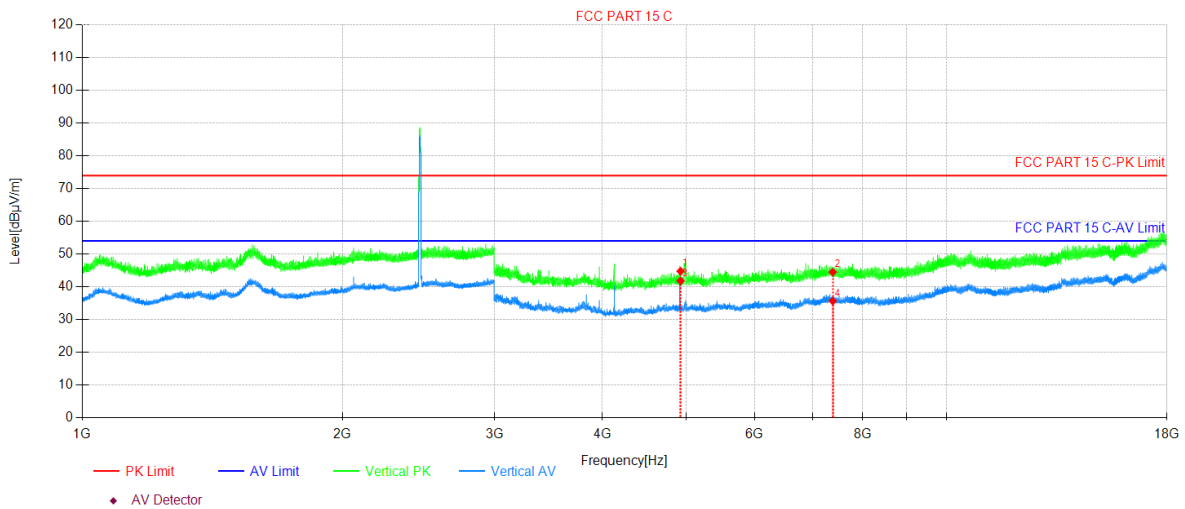
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IEEE 802.11b _ Highest Channel:
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4924.5962	54.70	-4.79	49.91	74.00	24.09	150	27	PK	Horizontal	PASS
2	7386.2193	44.57	-1.32	43.25	74.00	30.75	150	27	PK	Horizontal	PASS
3	4924.5962	52.47	-4.79	47.68	54.00	6.32	150	41	AV	Horizontal	PASS
4	7386.2193	36.86	-1.32	35.54	54.00	18.46	150	139	AV	Horizontal	PASS

Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4924.5962	49.55	-4.79	44.76	74.00	29.24	150	121	PK	Vertical	PASS
2	7386.2193	45.82	-1.32	44.50	74.00	29.50	150	29	PK	Vertical	PASS
3	4924.5962	46.59	-4.79	41.80	54.00	12.20	150	121	AV	Vertical	PASS
4	7386.2193	36.98	-1.32	35.66	54.00	18.34	150	151	AV	Vertical	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

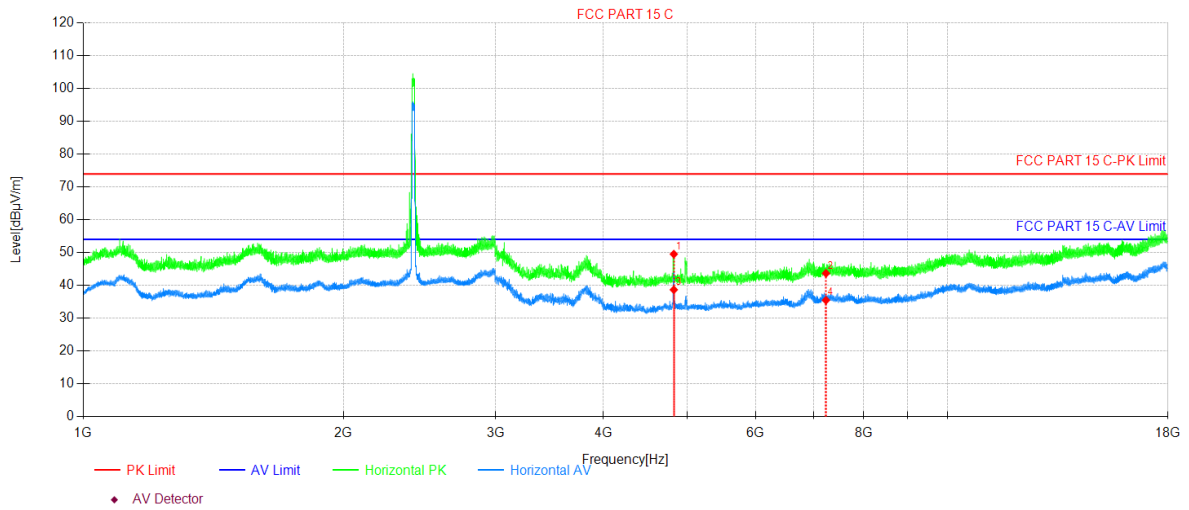
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E-mail: info@uttlab.com

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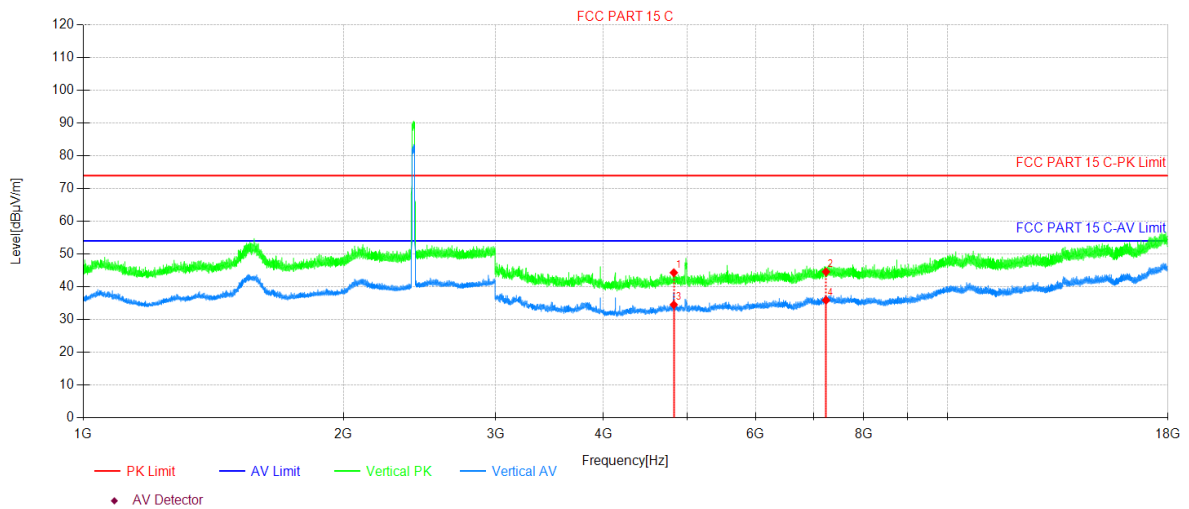
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IEEE 802.11g _ Lowest Channel:
Test Graph



Data List											
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1	4824.0912	54.15	-4.63	49.52	74.00	24.48	150	28	PK	Horizontal	PASS
2	7236.2118	45.36	-1.70	43.66	74.00	30.34	150	123	PK	Horizontal	PASS
3	4824.0912	43.29	-4.63	38.66	54.00	15.34	150	42	AV	Horizontal	PASS
4	7236.2118	37.17	-1.70	35.47	54.00	18.53	150	42	AV	Horizontal	PASS

Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4824.0912	48.94	-4.63	44.31	74.00	29.69	150	99	PK	Vertical	PASS
2	7236.2118	46.29	-1.70	44.59	74.00	29.41	150	26	PK	Vertical	PASS
3	4824.0912	39.15	-4.63	34.52	54.00	19.48	150	99	AV	Vertical	PASS
4	7236.2118	37.58	-1.70	35.88	54.00	18.12	150	26	AV	Vertical	PASS

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Tel: +86-755-28230888

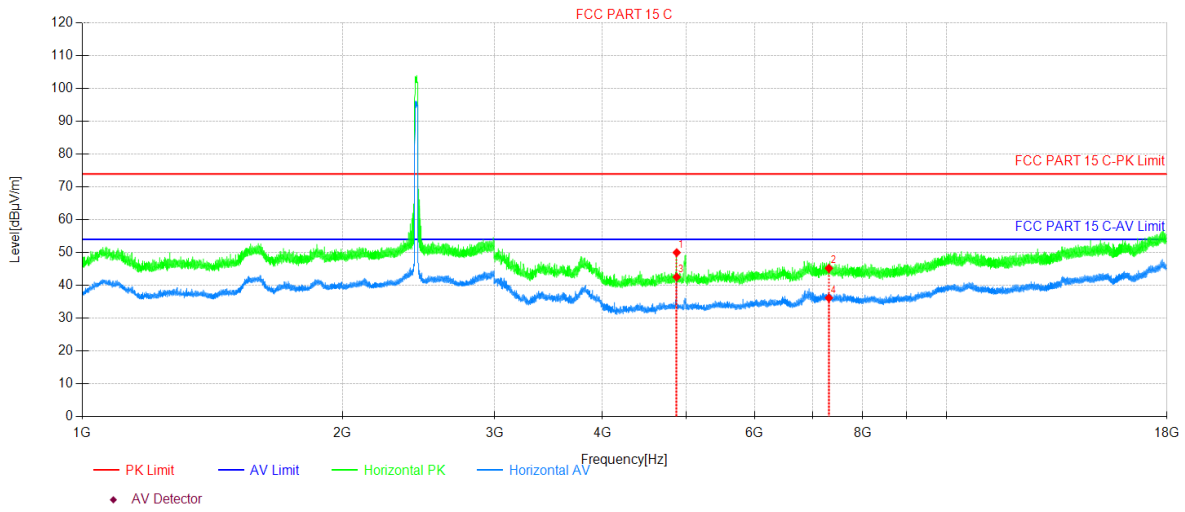
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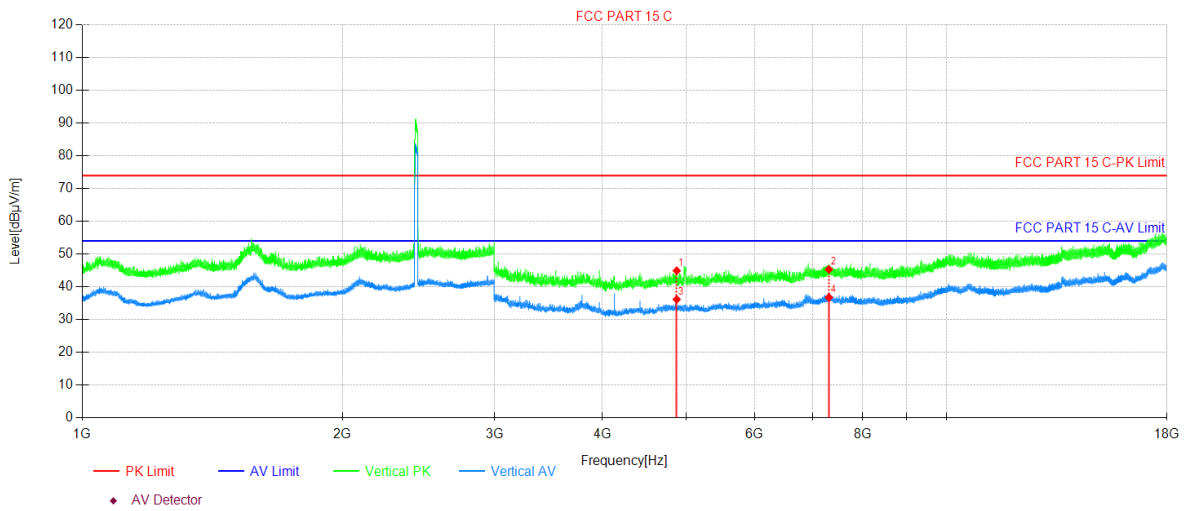
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IEEE 802.11g _ Middle Channel:
Test Graph



Data List												
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict	
1	4874.3437	54.71	-4.70	50.01	74.00	23.99	150	44	PK	Horizontal	PASS	
2	7311.2156	46.74	-1.53	45.21	74.00	28.79	150	15	PK	Horizontal	PASS	
3	4874.3437	47.24	-4.70	42.54	54.00	11.46	150	15	AV	Horizontal	PASS	
4	7311.2156	37.70	-1.53	36.17	54.00	17.83	150	164	AV	Horizontal	PASS	

Test Graph



Data List												
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict	
1	4874.3437	49.60	-4.70	44.90	74.00	29.10	150	101	PK	Vertical	PASS	
2	7311.2156	46.85	-1.53	45.32	74.00	28.68	150	180	PK	Vertical	PASS	
3	4874.3437	40.85	-4.70	36.15	54.00	17.85	150	101	AV	Vertical	PASS	
4	7311.2156	38.27	-1.53	36.74	54.00	17.26	150	180	AV	Vertical	PASS	

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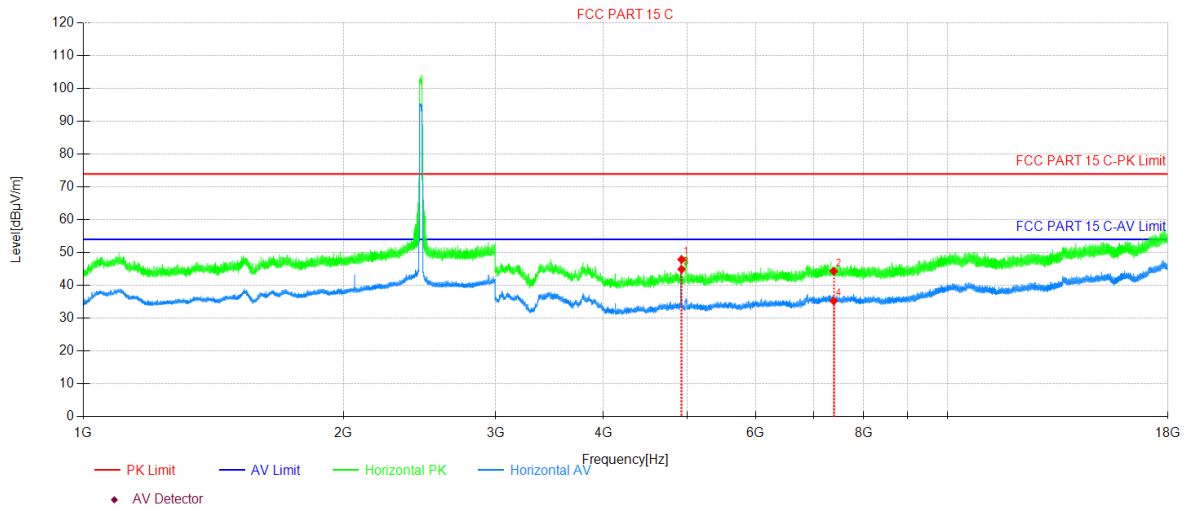
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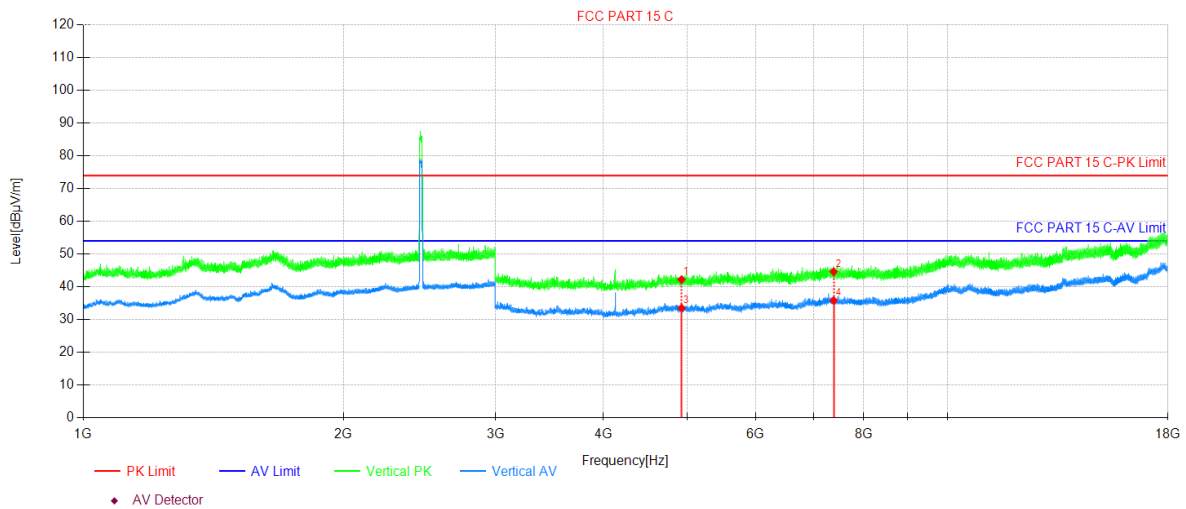
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IEEE 802.11g _ Highest Channel:
Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4924.5962	52.68	-4.79	47.89	74.00	26.11	150	140	PK	Horizontal	PASS
2	7386.2193	45.65	-1.32	44.33	74.00	29.67	150	30	PK	Horizontal	PASS
3	4924.5962	49.71	-4.79	44.92	54.00	9.08	150	160	AV	Horizontal	PASS
4	7386.2193	36.59	-1.32	35.27	54.00	18.73	150	100	AV	Horizontal	PASS

Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4924.5962	47.00	-4.79	42.21	74.00	31.79	150	140	PK	Vertical	PASS
2	7386.2193	45.95	-1.32	44.63	74.00	29.37	150	80	PK	Vertical	PASS
3	4924.5962	38.29	-4.79	33.50	54.00	20.50	150	90	AV	Vertical	PASS
4	7386.2193	37.13	-1.32	35.81	54.00	18.19	150	130	AV	Vertical	PASS

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Tel: +86-755-28230888

Fax: +86-755-28230886

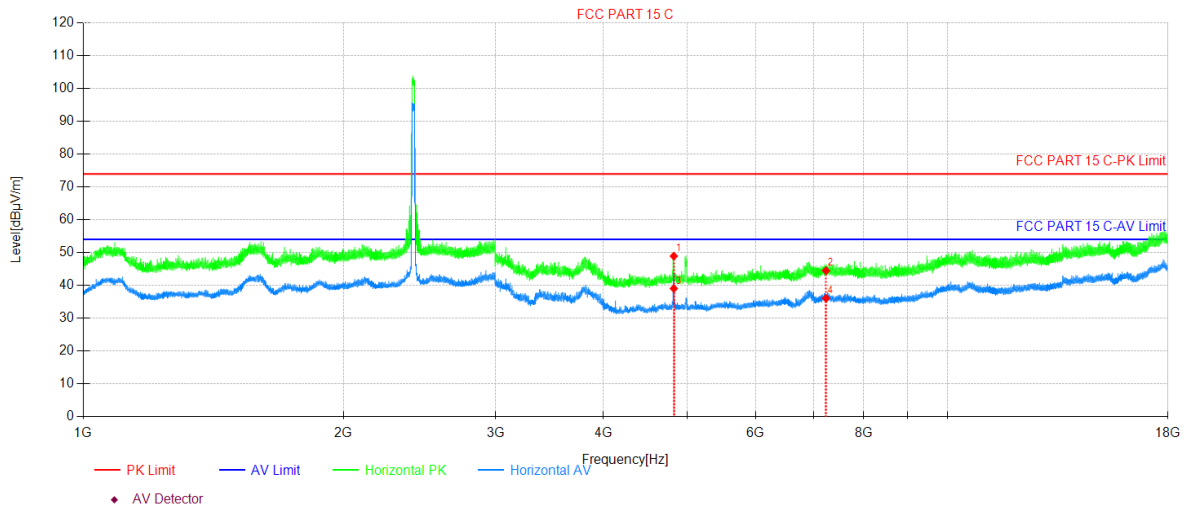
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IEEE 802.11n-HT20 _ Lowest Channel:

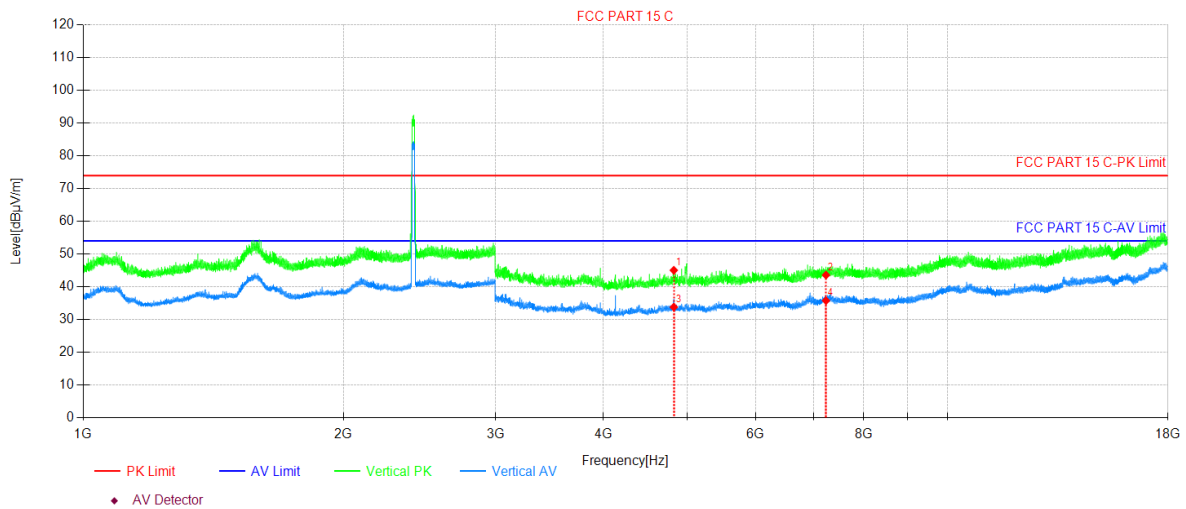
Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4824.0912	53.54	-4.63	48.91	74.00	25.09	150	28	PK	Horizontal	PASS
2	7236.2118	46.18	-1.70	44.48	74.00	29.52	150	139	PK	Horizontal	PASS
3	4824.0912	43.67	-4.63	39.04	54.00	14.96	150	28	AV	Horizontal	PASS
4	7236.2118	37.74	-1.70	36.04	54.00	17.96	150	56	AV	Horizontal	PASS

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4824.0912	49.68	-4.63	45.05	74.00	28.95	150	156	PK	Vertical	PASS
2	7236.2118	45.28	-1.70	43.58	74.00	30.42	150	42	PK	Vertical	PASS
3	4824.0912	38.43	-4.63	33.80	54.00	20.20	150	98	AV	Vertical	PASS
4	7236.2118	37.47	-1.70	35.77	54.00	18.23	150	42	AV	Vertical	PASS

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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

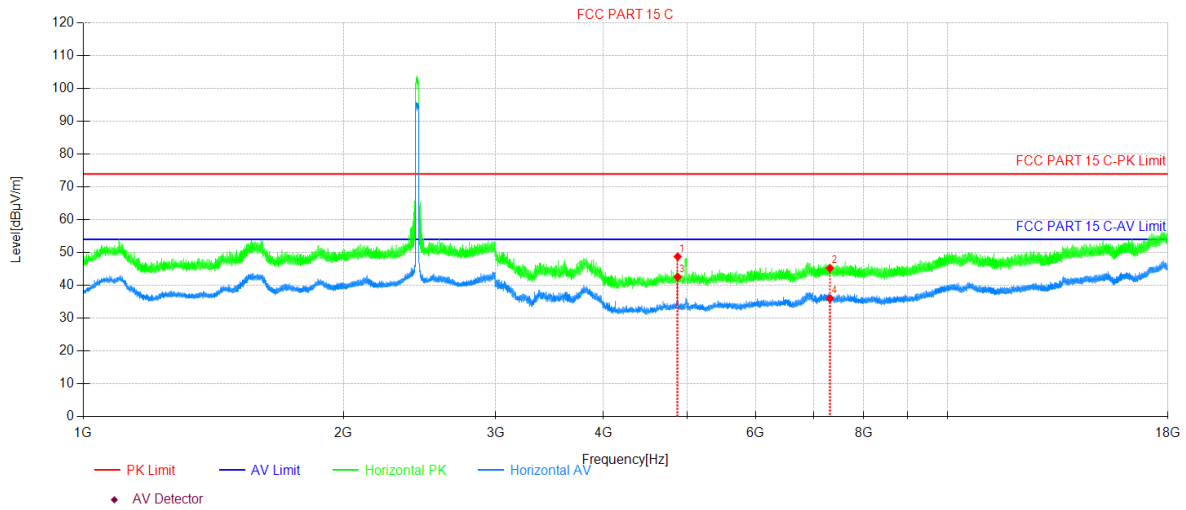
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IEEE 802.11n-HT20 _ Middle Channel:

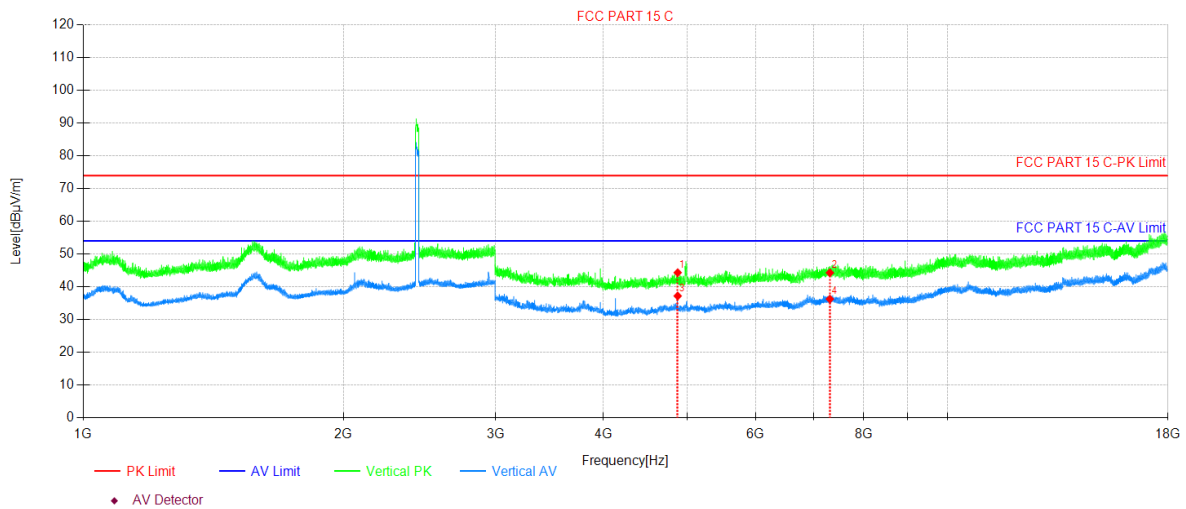
Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4874.3437	53.46	-4.70	48.76	74.00	25.24	150	14	PK	Horizontal	PASS
2	7311.2156	46.76	-1.53	45.23	74.00	28.77	150	14	PK	Horizontal	PASS
3	4874.3437	47.26	-4.70	42.56	54.00	11.44	150	28	AV	Horizontal	PASS
4	7311.2156	37.51	-1.53	35.98	54.00	18.02	150	176	AV	Horizontal	PASS

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4874.3437	49.03	-4.70	44.33	74.00	29.67	150	111	PK	Vertical	PASS
2	7311.2156	45.81	-1.53	44.28	74.00	29.72	150	42	PK	Vertical	PASS
3	4874.3437	41.90	-4.70	37.20	54.00	16.80	150	98	AV	Vertical	PASS
4	7311.2156	37.79	-1.53	36.26	54.00	17.74	150	180	AV	Vertical	PASS

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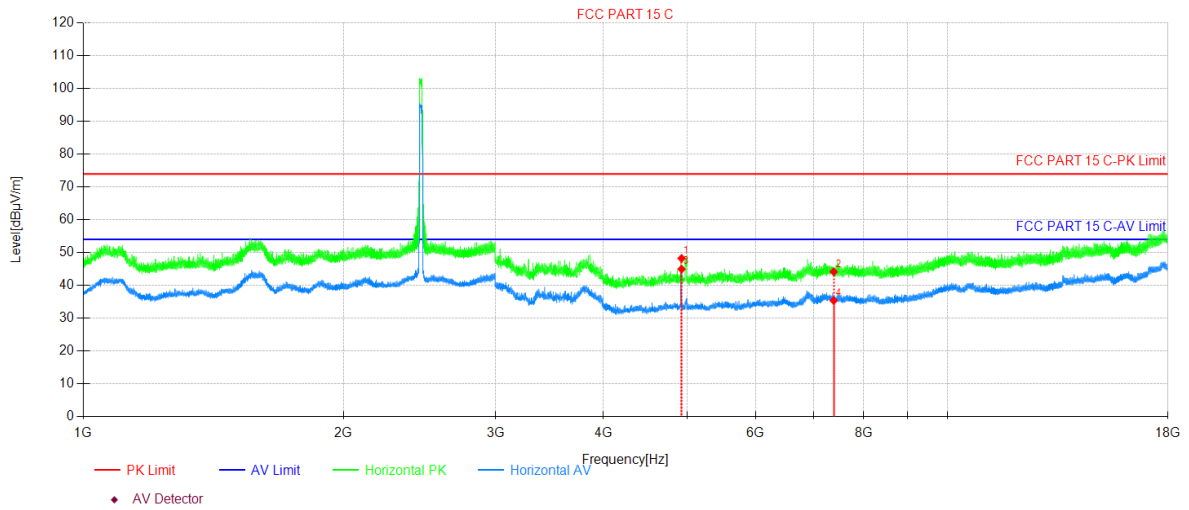
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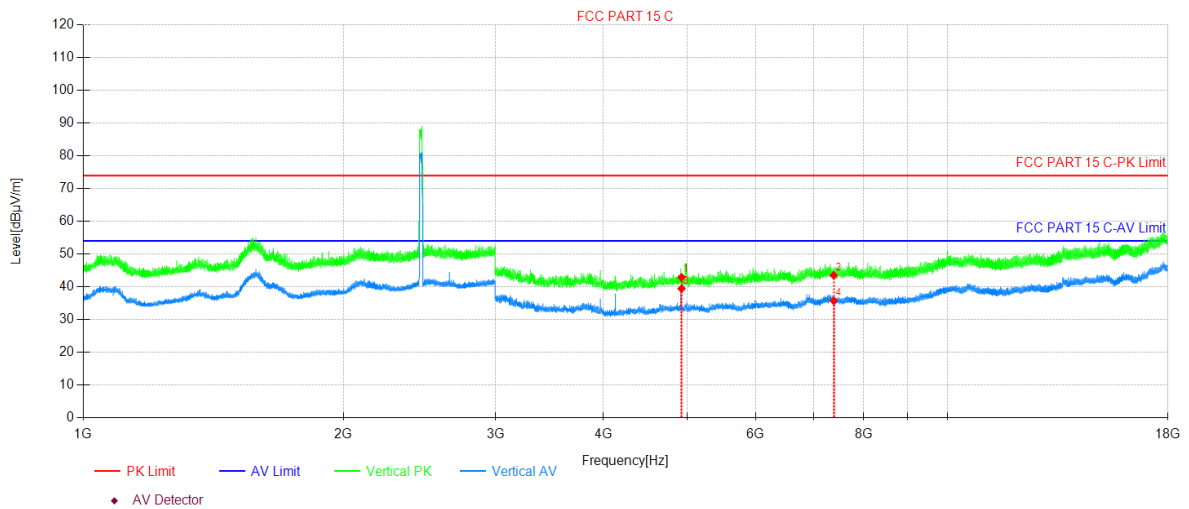
IEEE 802.11n-HT20 _ Highest Channel:

Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4924.5962	53.02	-4.79	48.23	74.00	25.77	150	40	PK	Horizontal	PASS
2	7386.2193	45.46	-1.32	44.14	74.00	29.86	150	95	PK	Horizontal	PASS
3	4924.5962	49.74	-4.79	44.95	54.00	9.05	150	27	AV	Horizontal	PASS
4	7386.2193	36.68	-1.32	35.36	54.00	18.64	150	95	AV	Horizontal	PASS

Test Graph



Data List											
NO.	Freq. [MHz]	Reading [dBµV]	Correct Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Polarity	Verdict
1	4924.5962	47.70	-4.79	42.91	74.00	31.09	150	112	PK	Vertical	PASS
2	7386.2193	44.81	-1.32	43.49	74.00	30.51	150	112	PK	Vertical	PASS
3	4924.5962	44.24	-4.79	39.45	54.00	14.55	150	100	AV	Vertical	PASS
4	7386.2193	37.05	-1.32	35.73	54.00	18.27	150	72	AV	Vertical	PASS

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Fax: +86-755-28230886

E-mail: info@uttlab.com

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