

## 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

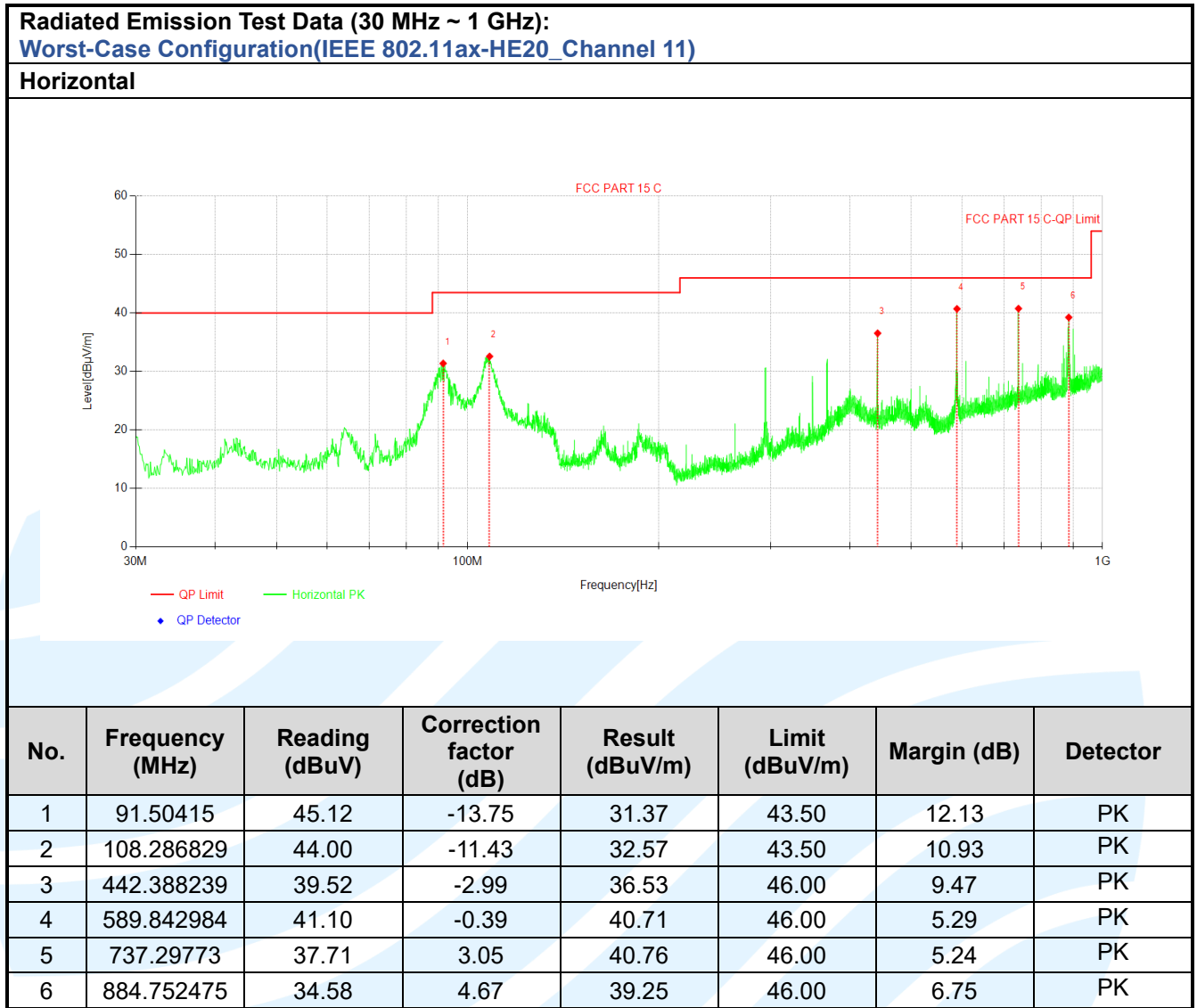
Fax: +86-755-28230886

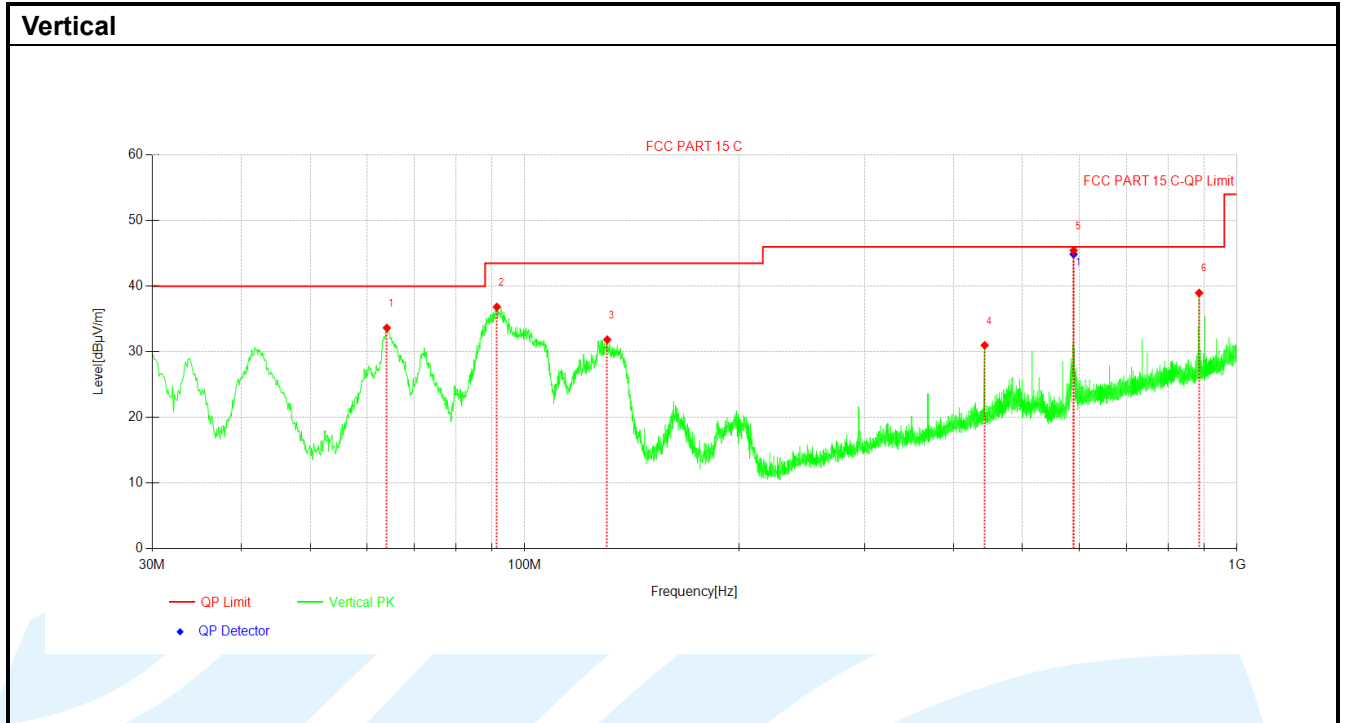
E-mail: [info@uttlab.com](mailto:info@uttlab.com)

<http://www.uttlab.com>

UTTR-RF-RSS247-V1.1

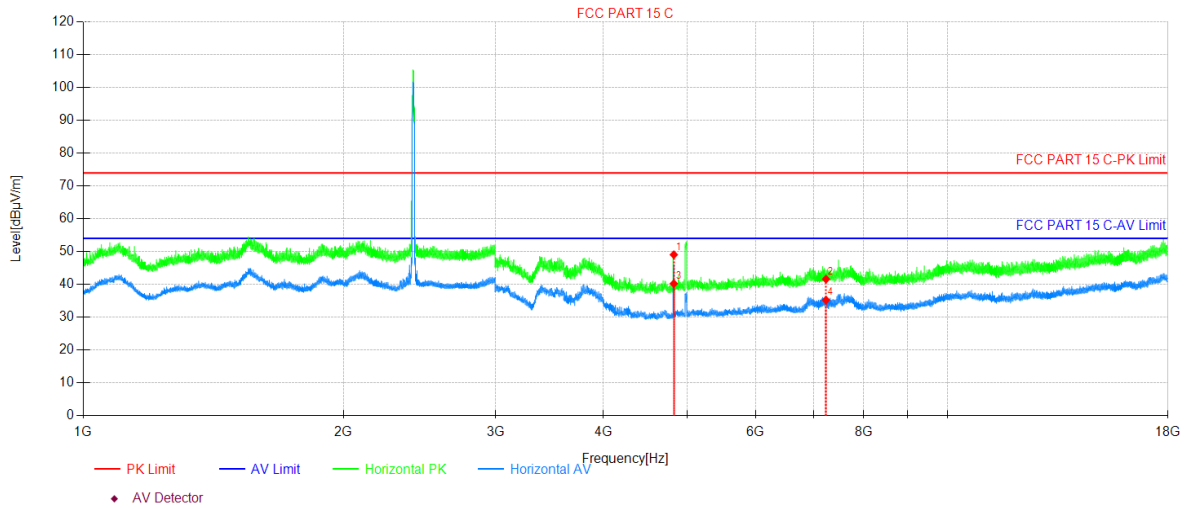
### A.5 RADIATED SPURIOUS EMISSIONS





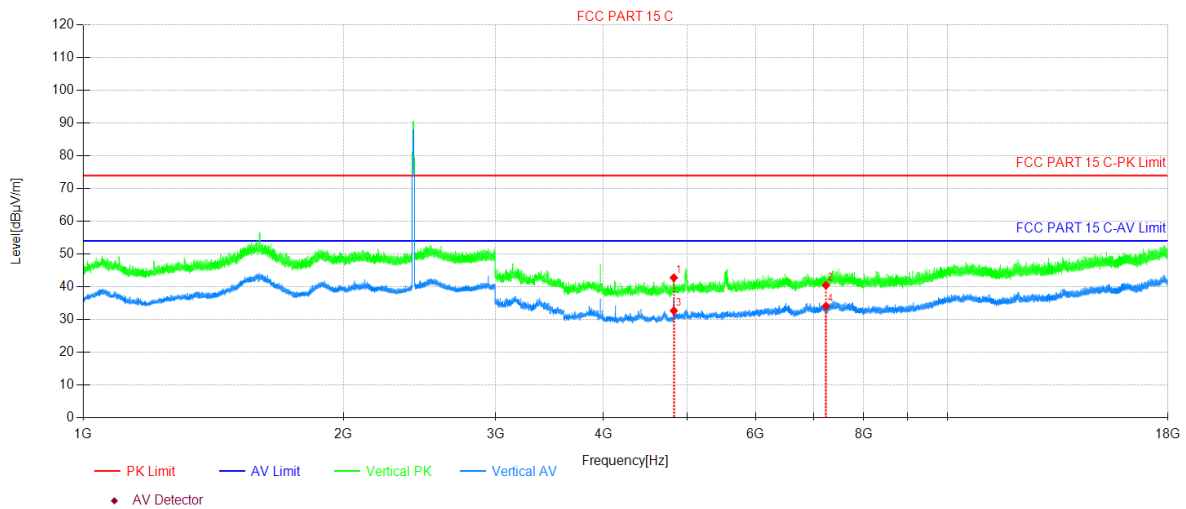
No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	64.0504	42.87	-9.23	33.64	40.00	6.36	PK
2	91.4071	50.60	-13.76	36.84	43.50	6.66	PK
3	130.5991	41.22	-9.37	31.85	43.50	11.65	PK
4	442.3882	33.98	-2.99	30.99	46.00	15.01	PK
5	589.842984	45.85	-0.39	44.86	46.00	1.14	PK
6	884.7525	34.30	4.67	38.97	46.00	7.03	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	53.68	-4.63	49.05	74.00	24.95	150	11	PK	Horizontal	PASS
2	7236.2118	43.30	-1.70	41.60	74.00	32.40	150	1	PK	Horizontal	PASS
3	4824.0912	44.84	-4.63	40.21	54.00	13.79	150	11	AV	Horizontal	PASS
4	7236.2118	36.91	-1.70	35.21	54.00	18.79	150	177	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	47.41	-4.63	42.78	74.00	31.22	150	165	PK	Vertical	PASS
2	7236.2118	42.15	-1.70	40.45	74.00	33.55	150	176	PK	Vertical	PASS
3	4824.0912	37.31	-4.63	32.68	54.00	21.32	150	176	AV	Vertical	PASS
4	7236.2118	35.78	-1.70	34.08	54.00	19.92	150	152	AV	Vertical	PASS

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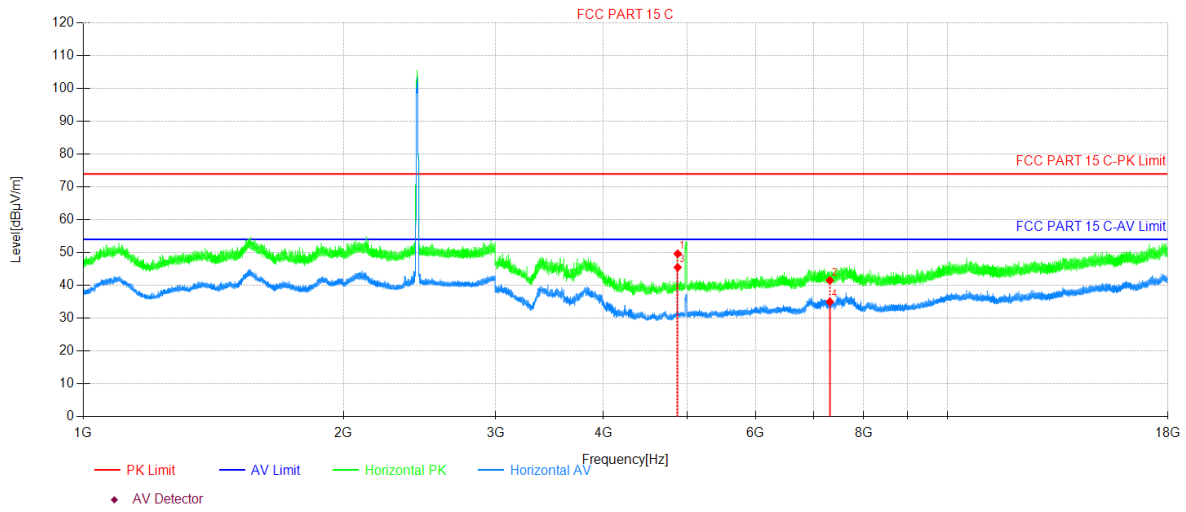
Fax: +86-755-28230886

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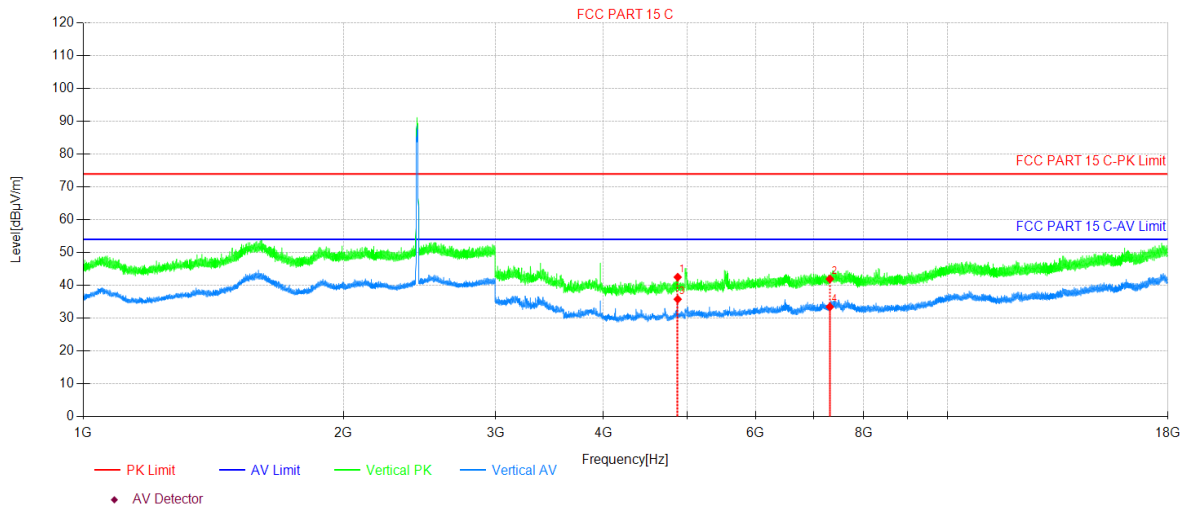
UTTR-RF-RSS247-V1.1

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	54.33	-4.70	49.63	74.00	24.37	150	15	PK	Horizontal	PASS
2	7311.2156	43.04	-1.53	41.51	74.00	32.49	150	177	PK	Horizontal	PASS
3	4874.3437	50.18	-4.70	45.48	54.00	8.52	150	15	AV	Horizontal	PASS
4	7311.2156	36.50	-1.53	34.97	54.00	19.03	150	177	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	47.20	-4.70	42.50	74.00	31.50	150	177	PK	Vertical	PASS
2	7311.2156	43.48	-1.53	41.95	74.00	32.05	150	2	PK	Vertical	PASS
3	4874.3437	40.47	-4.70	35.77	54.00	18.23	150	177	AV	Vertical	PASS
4	7311.2156	34.96	-1.53	33.43	54.00	20.57	150	139	AV	Vertical	PASS

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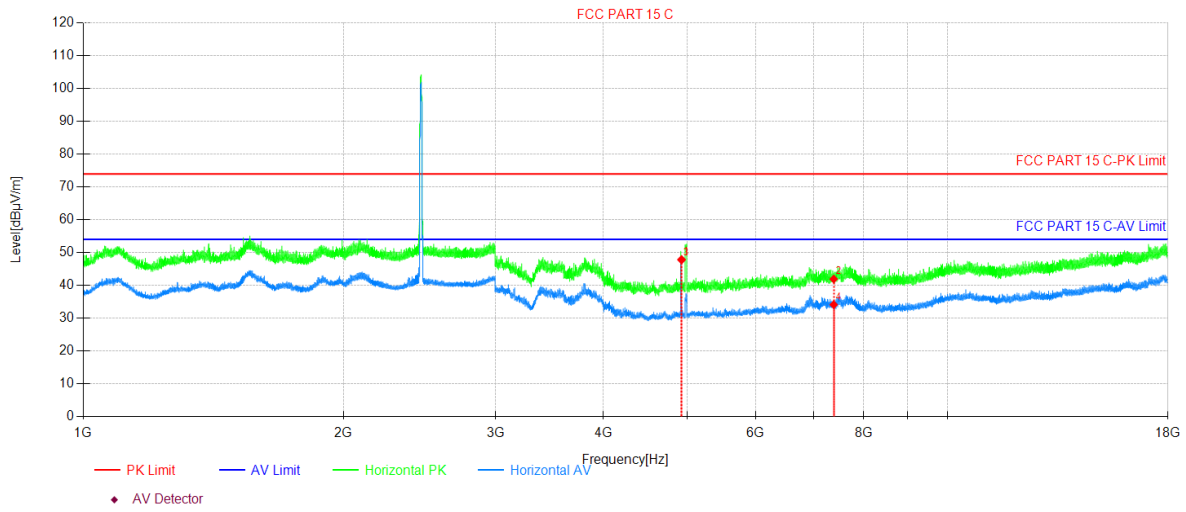
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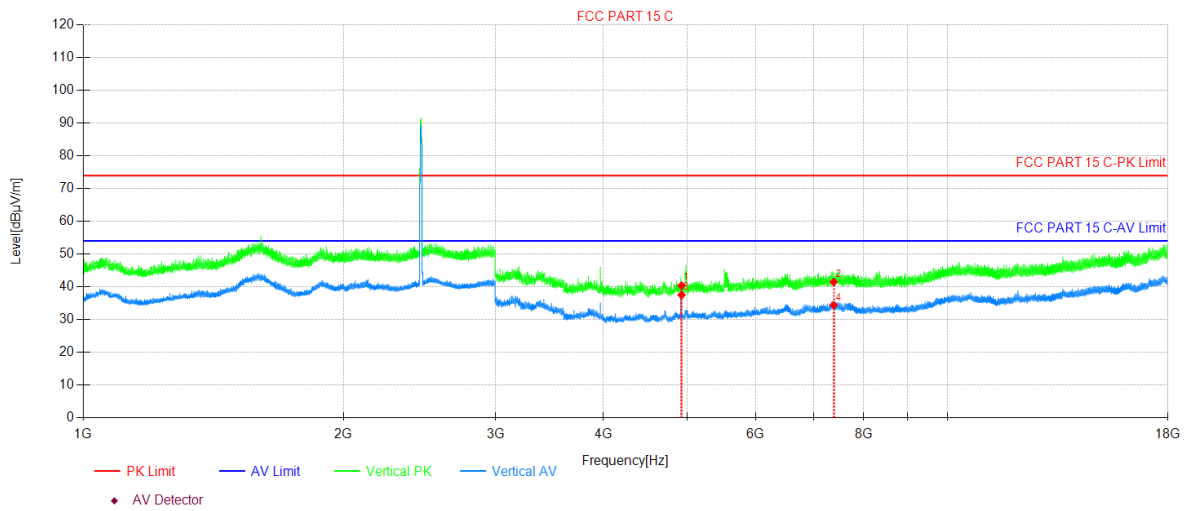
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**IEEE 802.11b \_ Highest Channel:  
Test Graph**



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	52.68	-4.79	47.89	74.00	26.11	150	13	PK	Horizontal	PASS
2	7386.2193	43.24	-1.32	41.92	74.00	32.08	150	69	PK	Horizontal	PASS
3	4924.5962	52.54	-4.79	47.75	54.00	6.25	150	13	AV	Horizontal	PASS
4	7386.2193	35.41	-1.32	34.09	54.00	19.91	150	110	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	45.17	-4.79	40.38	74.00	33.62	150	163	PK	Vertical	PASS
2	7386.2193	42.78	-1.32	41.46	74.00	32.54	150	163	PK	Vertical	PASS
3	4924.5962	42.30	-4.79	37.51	54.00	16.49	150	177	AV	Vertical	PASS
4	7386.2193	35.73	-1.32	34.41	54.00	19.59	150	136	AV	Vertical	PASS

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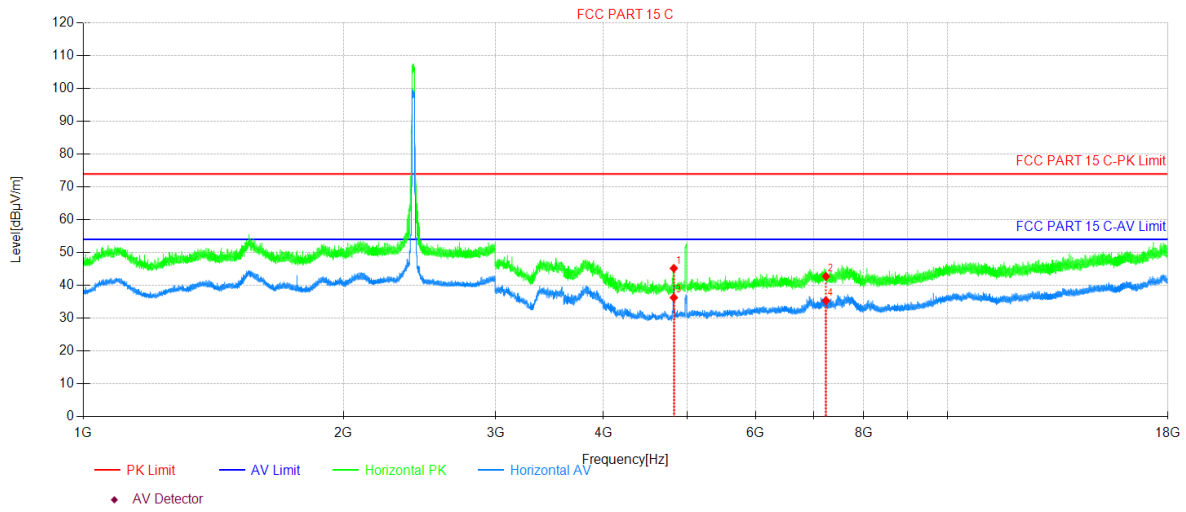
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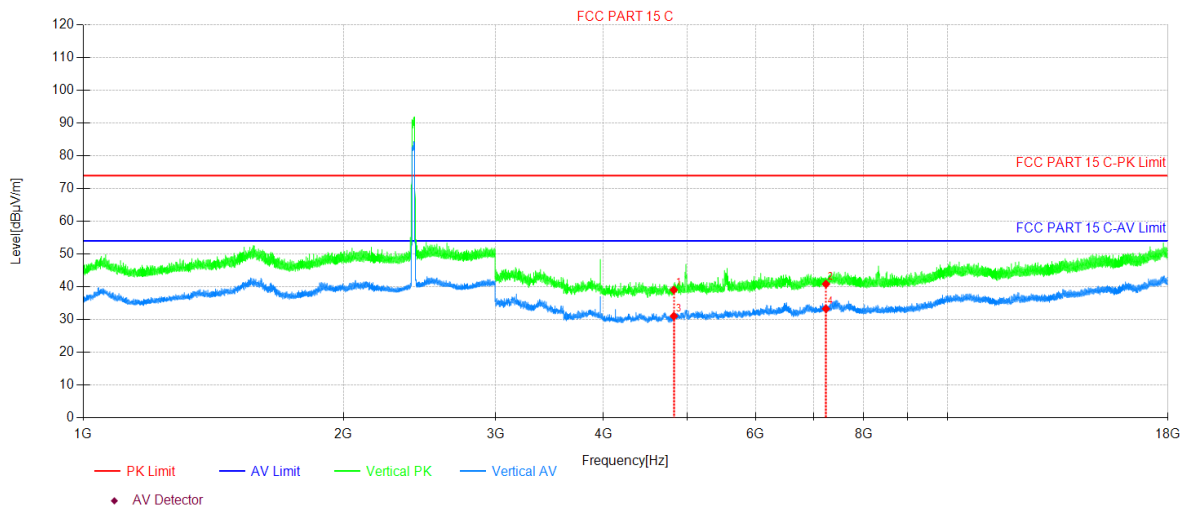
**IEEE 802.11g \_ Lowest Channel:  
Test Graph**



**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	49.82	-4.63	45.19	74.00	28.81	150	15	PK	Horizontal	PASS
2	7236.2118	44.44	-1.70	42.74	74.00	31.26	150	166	PK	Horizontal	PASS
3	4824.0912	40.89	-4.63	36.26	54.00	17.74	150	15	AV	Horizontal	PASS
4	7236.2118	37.04	-1.70	35.34	54.00	18.66	150	177	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	43.67	-4.63	39.04	74.00	34.96	150	90	PK	Vertical	PASS
2	7236.2118	42.54	-1.70	40.84	74.00	33.16	150	23	PK	Vertical	PASS
3	4824.0912	35.66	-4.63	31.03	54.00	22.97	150	90	AV	Vertical	PASS
4	7236.2118	34.97	-1.70	33.27	54.00	20.73	150	137	AV	Vertical	PASS

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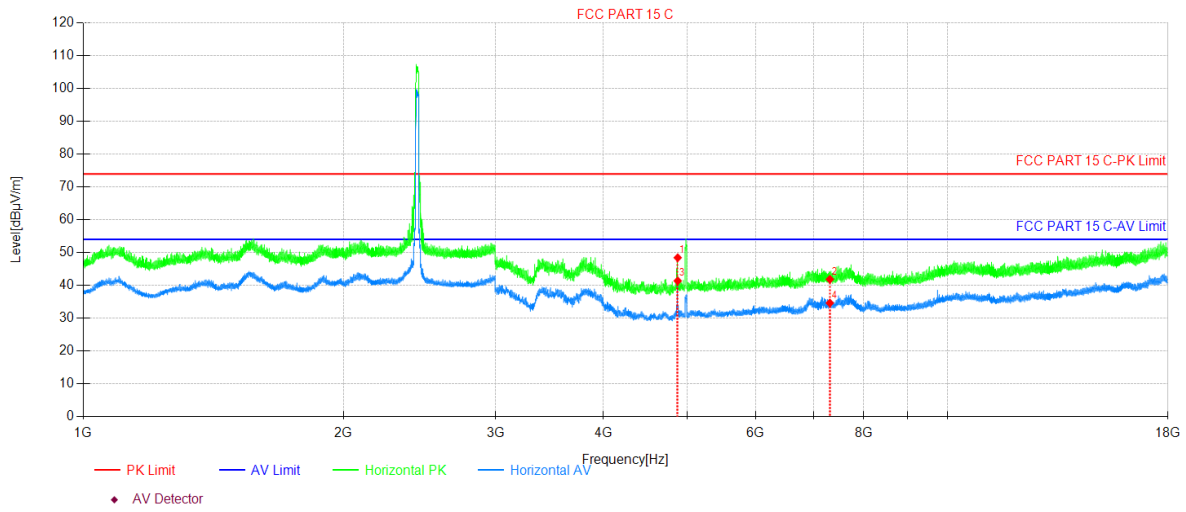
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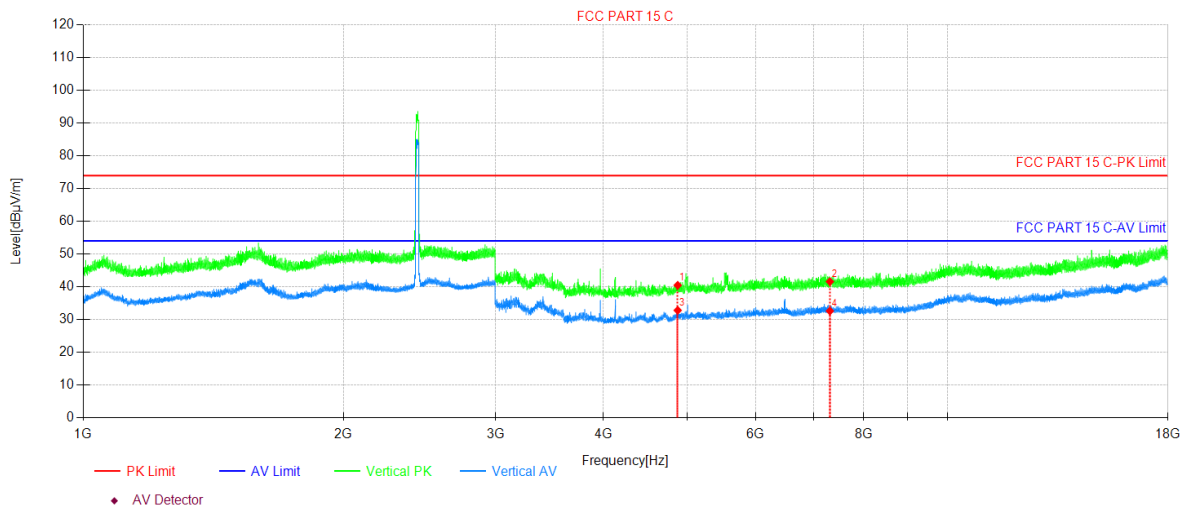
**IEEE 802.11g \_ Middle Channel:  
Test Graph**



**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	53.14	-4.70	48.44	74.00	25.56	150	5	PK	Horizontal	PASS
2	7311.2156	43.37	-1.53	41.84	74.00	32.16	150	153	PK	Horizontal	PASS
3	4874.3437	46.07	-4.70	41.37	54.00	12.63	150	16	AV	Horizontal	PASS
4	7311.2156	36.14	-1.53	34.61	54.00	19.39	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	4874.3437	45.16	-4.70	40.46	74.00	33.54	150	95	PK	Vertical	PASS
2	7311.2156	43.11	-1.53	41.58	74.00	32.42	150	51	PK	Vertical	PASS
3	4874.3437	37.50	-4.70	32.80	54.00	21.20	150	177	AV	Vertical	PASS
4	7311.2156	34.14	-1.53	32.61	54.00	21.39	150	177	AV	Vertical	PASS

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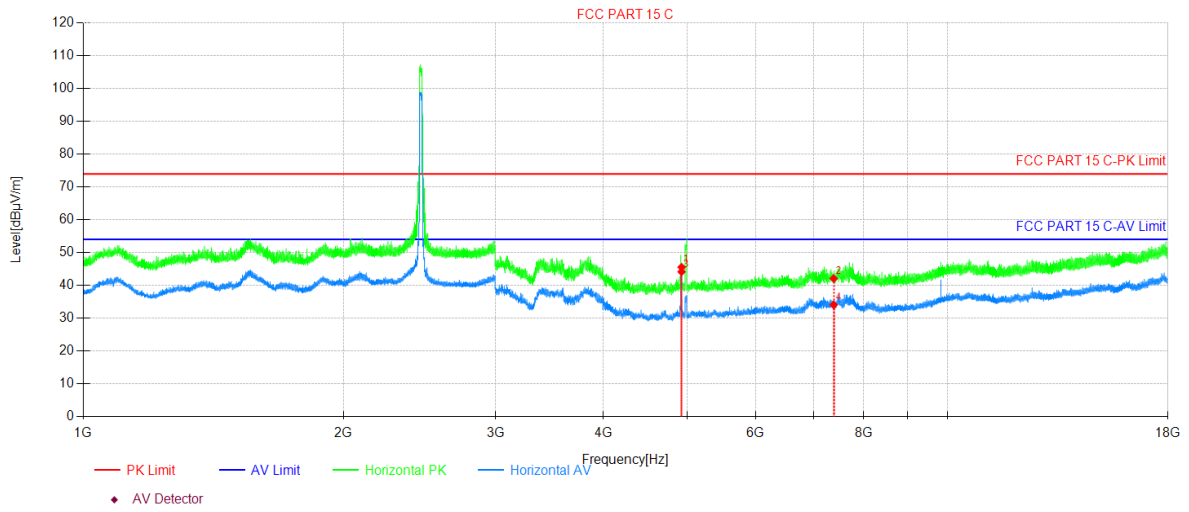
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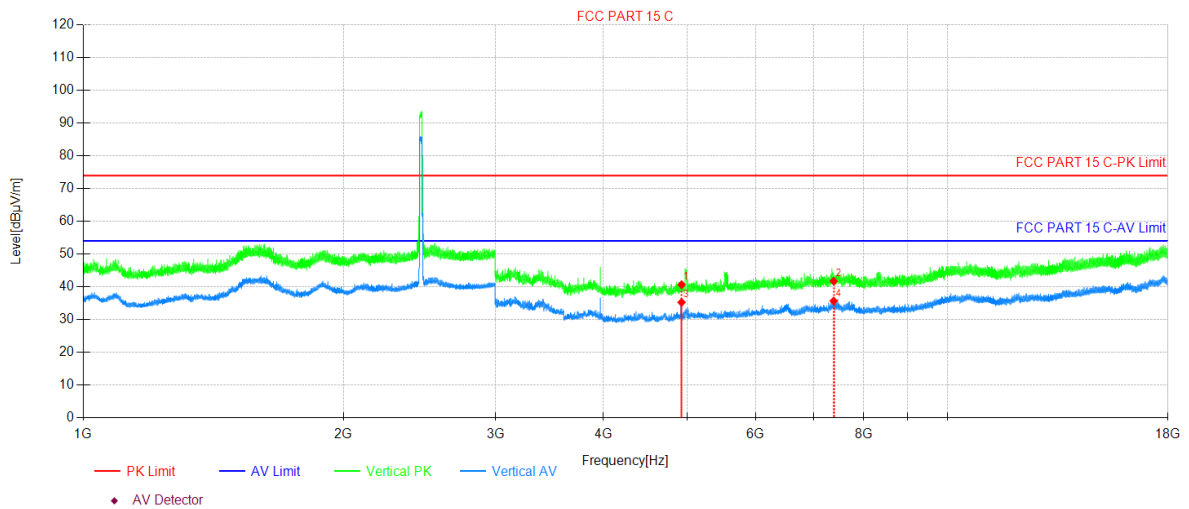
IEEE 802.11g \_ Highest Channel:  
Test Graph



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	50.32	-4.79	45.53	74.00	28.47	150	65	PK	Horizontal	PASS
2	7386.2193	43.39	-1.32	42.07	74.00	31.93	150	139	PK	Horizontal	PASS
3	4924.5962	48.92	-4.79	44.13	54.00	9.87	150	23	AV	Horizontal	PASS
4	7386.2193	35.39	-1.32	34.07	54.00	19.93	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	45.45	-4.79	40.66	74.00	33.34	150	177	PK	Vertical	PASS
2	7386.2193	43.04	-1.32	41.72	74.00	32.28	150	64	PK	Vertical	PASS
3	4924.5962	40.02	-4.79	35.23	54.00	18.77	150	177	AV	Vertical	PASS
4	7386.2193	36.98	-1.32	35.66	54.00	18.34	150	123	AV	Vertical	PASS

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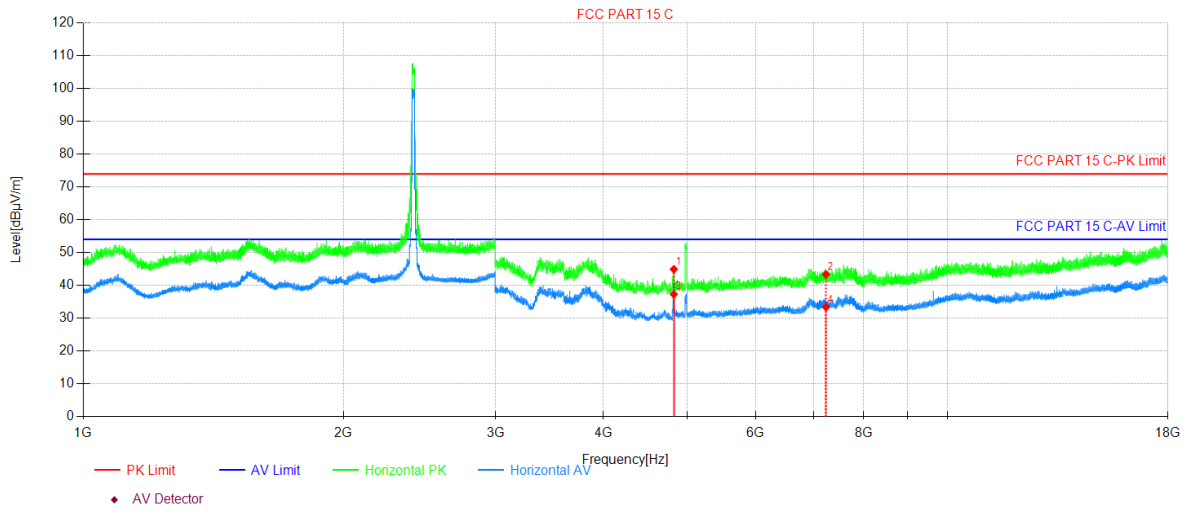
E-mail: info@uttlab.com

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UTTR-RF-RSS247-V1.1

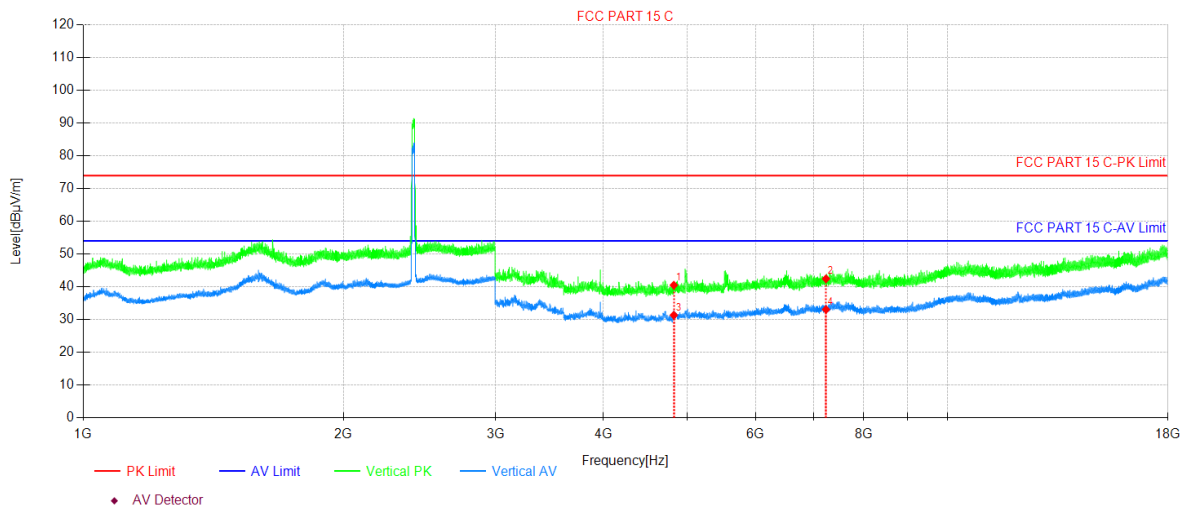
## IEEE 802.11n-HT20 \_ Lowest Channel:

### Test Graph



Data List											
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1	4824.0912	49.53	-4.63	44.90	74.00	29.10	150	9	PK	Horizontal	PASS
2	7236.2118	45.06	-1.70	43.36	74.00	30.64	150	164	PK	Horizontal	PASS
3	4824.0912	41.91	-4.63	37.28	54.00	16.72	150	23	AV	Horizontal	PASS
4	7236.2118	35.07	-1.70	33.37	54.00	20.63	150	123	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	45.13	-4.63	40.50	74.00	33.50	150	165	PK	Vertical	PASS
2	7236.2118	44.15	-1.70	42.45	74.00	31.55	150	68	PK	Vertical	PASS
3	4824.0912	35.96	-4.63	31.33	54.00	22.67	150	97	AV	Vertical	PASS
4	7236.2118	34.76	-1.70	33.06	54.00	20.94	150	68	AV	Vertical	PASS

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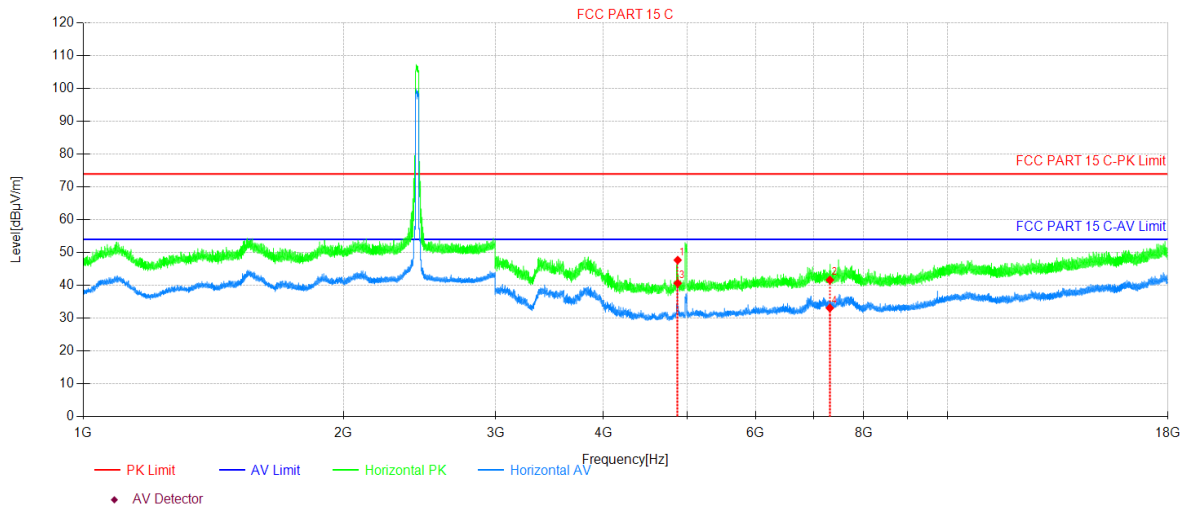
E-mail: info@uttlab.com

<http://www.uttlab.com>

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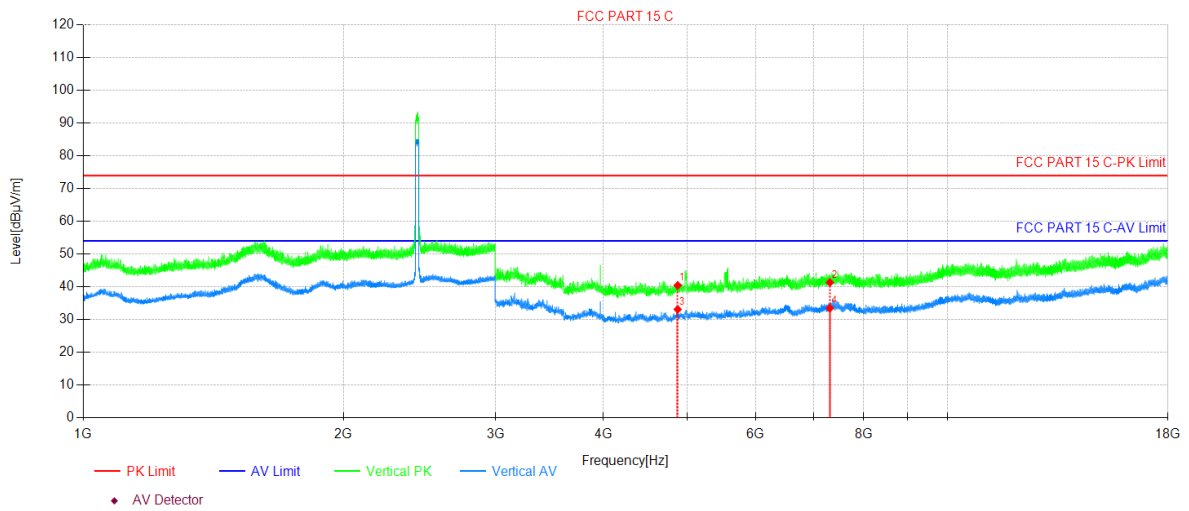
## IEEE 802.11n-HT20 \_ Middle Channel:

### 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	52.40	-4.70	47.70	74.00	26.30	150	0	PK	Horizontal	PASS
2	7311.2156	43.15	-1.53	41.62	74.00	32.38	150	166	PK	Horizontal	PASS
3	4874.3437	45.35	-4.70	40.65	54.00	13.35	150	11	AV	Horizontal	PASS
4	7311.2156	34.60	-1.53	33.07	54.00	20.93	150	0	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	45.12	-4.70	40.42	74.00	33.58	150	74	PK	Vertical	PASS
2	7311.2156	42.85	-1.53	41.32	74.00	32.68	150	0	PK	Vertical	PASS
3	4874.3437	37.81	-4.70	33.11	54.00	20.89	150	164	AV	Vertical	PASS
4	7311.2156	35.00	-1.53	33.47	54.00	20.53	150	117	AV	Vertical	PASS

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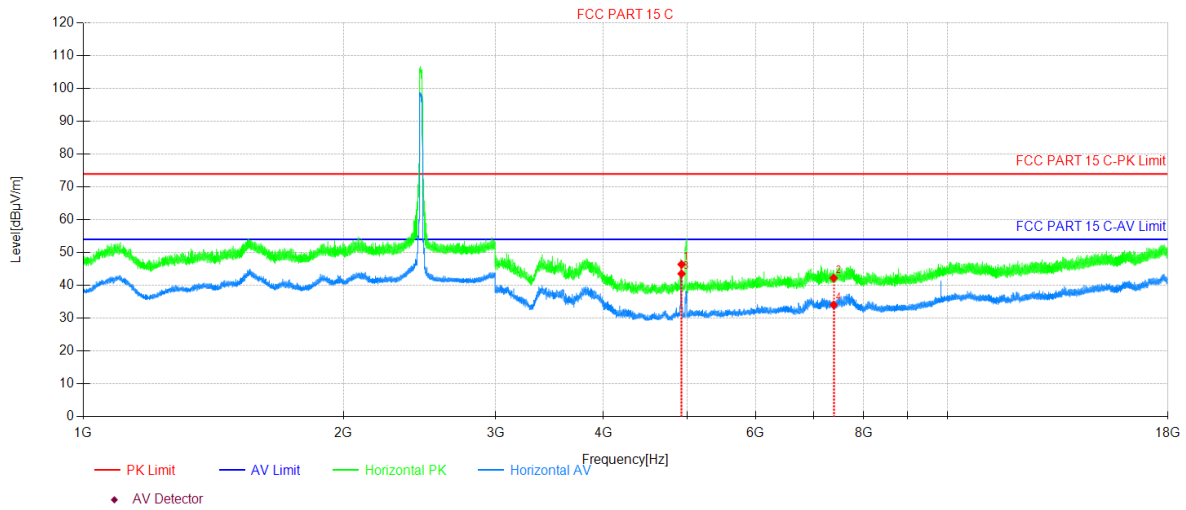
E-mail: info@uttlab.com

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## IEEE 802.11n-HT20 \_ Highest Channel:

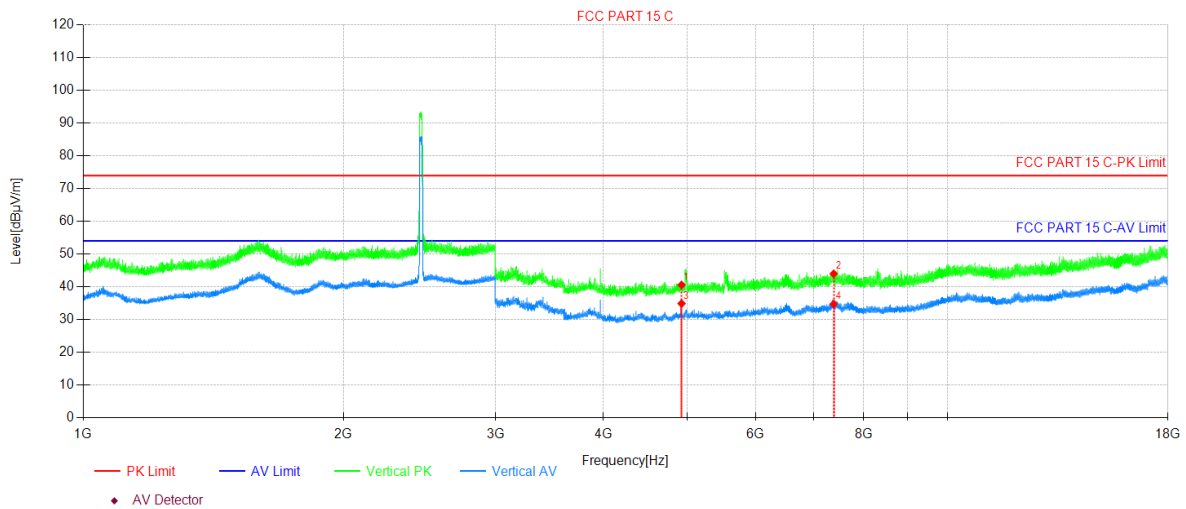
### Test Graph



### 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	51.18	-4.79	46.39	74.00	27.61	150	0	PK	Horizontal	PASS
2	7386.2193	43.55	-1.32	42.23	74.00	31.77	150	165	PK	Horizontal	PASS
3	4924.5962	48.33	-4.79	43.54	54.00	10.46	150	12	AV	Horizontal	PASS
4	7386.2193	35.36	-1.32	34.04	54.00	19.96	150	138	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	45.36	-4.79	40.57	74.00	33.43	150	122	PK	Vertical	PASS
2	7386.2193	45.30	-1.32	43.98	74.00	30.02	150	162	PK	Vertical	PASS
3	4924.5962	39.68	-4.79	34.89	54.00	19.11	150	176	AV	Vertical	PASS
4	7386.2193	36.07	-1.32	34.75	54.00	19.25	150	162	AV	Vertical	PASS

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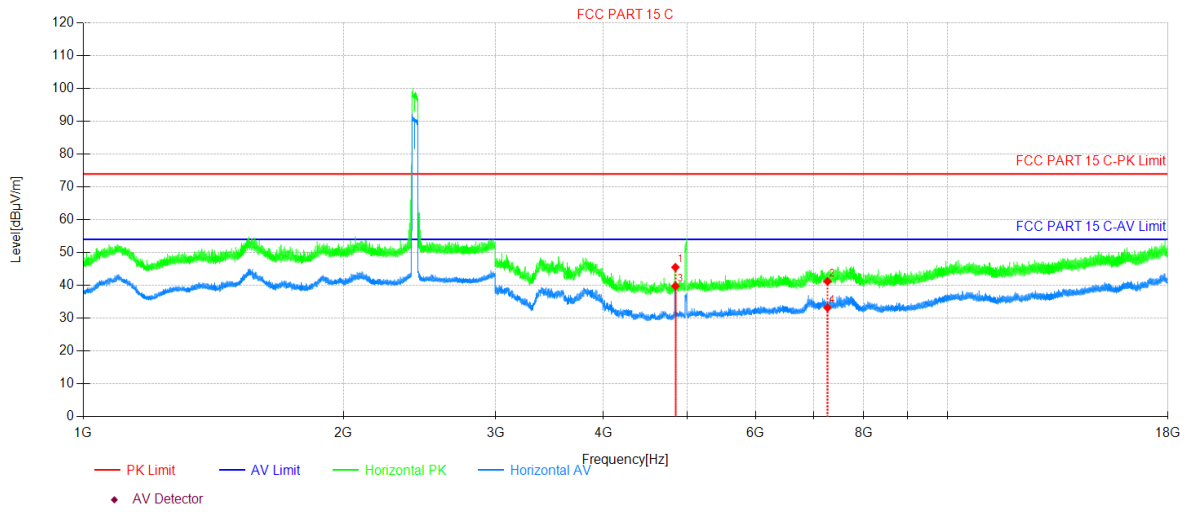
E-mail: info@uttlab.com

<http://www.uttlab.com>

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## IEEE 802.11n-HT40 \_ Lowest Channel:

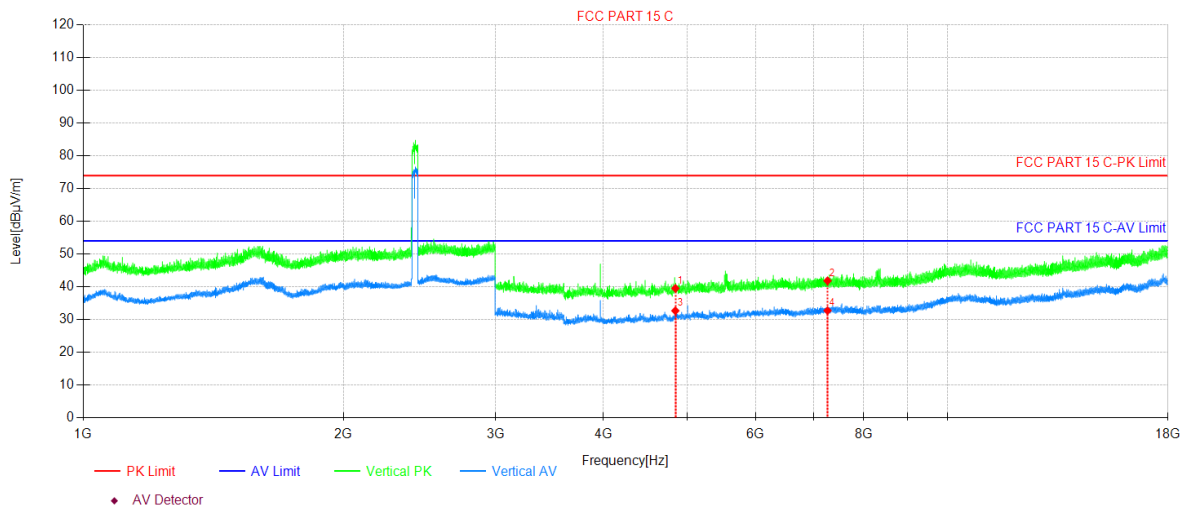
### Test Graph



### 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	4844.3422	50.18	-4.66	45.52	74.00	28.48	150	0	PK	Horizontal	PASS
2	7266.2133	42.82	-1.63	41.19	74.00	32.81	150	160	PK	Horizontal	PASS
3	4844.3422	44.43	-4.66	39.77	54.00	14.23	150	22	AV	Horizontal	PASS
4	7266.2133	34.80	-1.63	33.17	54.00	20.83	150	177	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	4844.3422	44.17	-4.66	39.51	74.00	34.49	150	177	PK	Vertical	PASS
2	7266.2133	43.48	-1.63	41.85	74.00	32.15	150	97	PK	Vertical	PASS
3	4844.3422	37.33	-4.66	32.67	54.00	21.33	150	177	AV	Vertical	PASS
4	7266.2133	34.35	-1.63	32.72	54.00	21.28	150	29	AV	Vertical	PASS

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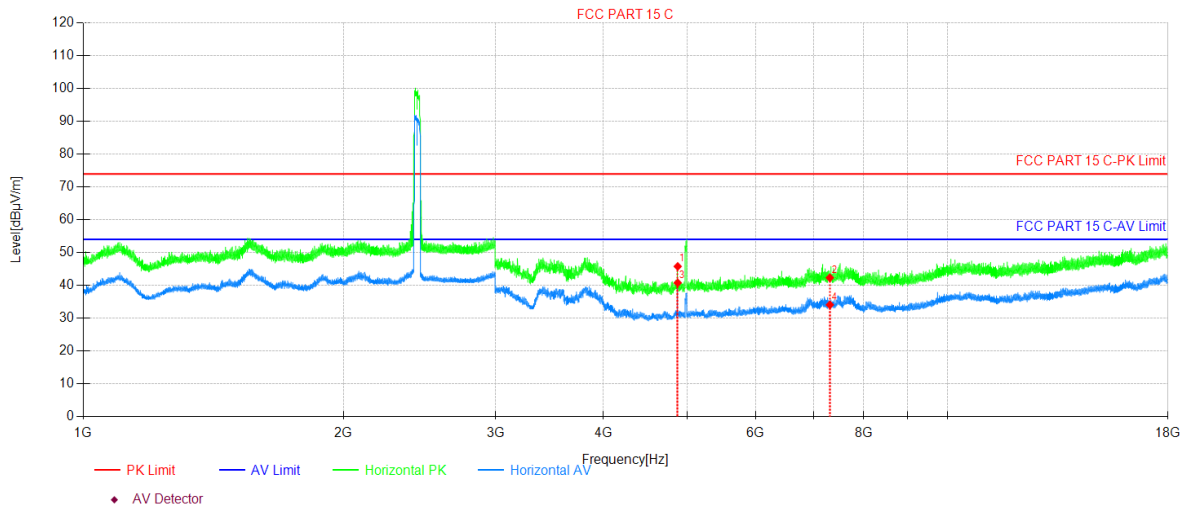
E-mail: info@uttlab.com

<http://www.uttlab.com>

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## IEEE 802.11n-HT40 \_ Middle Channel:

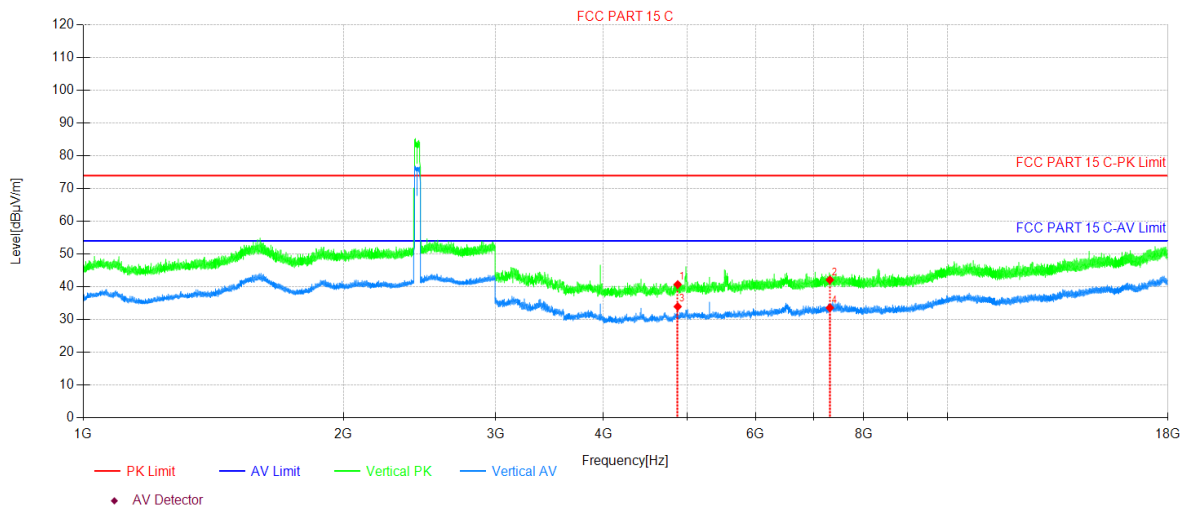
### Test Graph



### 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	50.47	-4.70	45.77	74.00	28.23	150	13	PK	Horizontal	PASS
2	7311.2156	43.84	-1.53	42.31	74.00	31.69	150	177	PK	Horizontal	PASS
3	4874.3437	45.47	-4.70	40.77	54.00	13.23	150	13	AV	Horizontal	PASS
4	7311.2156	35.59	-1.53	34.06	54.00	19.94	150	165	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	45.40	-4.70	40.70	74.00	33.30	150	5	PK	Vertical	PASS
2	7311.2156	43.64	-1.53	42.11	74.00	31.89	150	93	PK	Vertical	PASS
3	4874.3437	38.64	-4.70	33.94	54.00	20.06	150	177	AV	Vertical	PASS
4	7311.2156	35.11	-1.53	33.58	54.00	20.42	150	119	AV	Vertical	PASS

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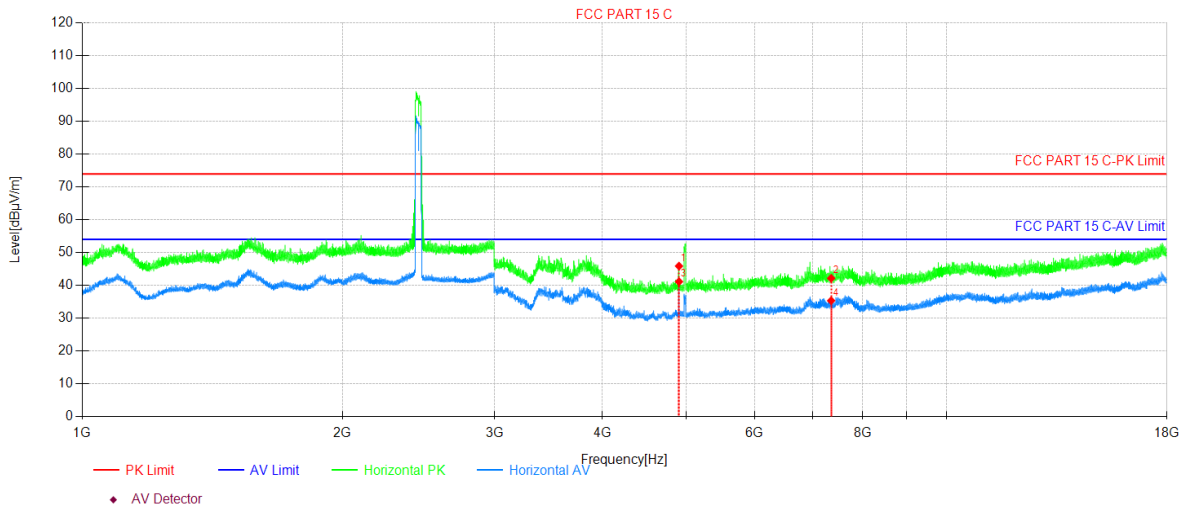
E-mail: info@uttlab.com

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## IEEE 802.11n-HT40 \_ Highest Channel:

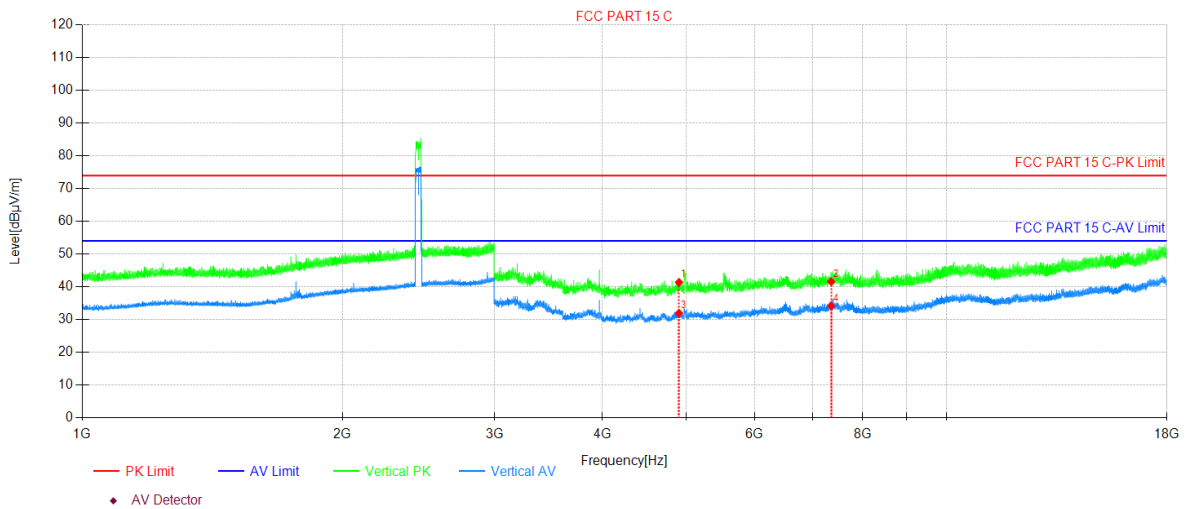
### Test Graph



### 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	4904.3452	50.63	-4.75	45.88	74.00	28.12	150	17	PK	Horizontal	PASS
2	7356.2178	43.56	-1.40	42.16	74.00	31.84	150	139	PK	Horizontal	PASS
3	4904.3452	45.87	-4.75	41.12	54.00	12.88	150	17	AV	Horizontal	PASS
4	7356.2178	36.73	-1.40	35.33	54.00	18.67	150	177	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	4904.3452	46.13	-4.75	41.38	74.00	32.62	150	152	PK	Vertical	PASS
2	7356.2178	42.99	-1.40	41.59	74.00	32.41	150	123	PK	Vertical	PASS
3	4904.3452	36.70	-4.75	31.95	54.00	22.05	150	177	AV	Vertical	PASS
4	7356.2178	35.55	-1.40	34.15	54.00	19.85	150	152	AV	Vertical	PASS

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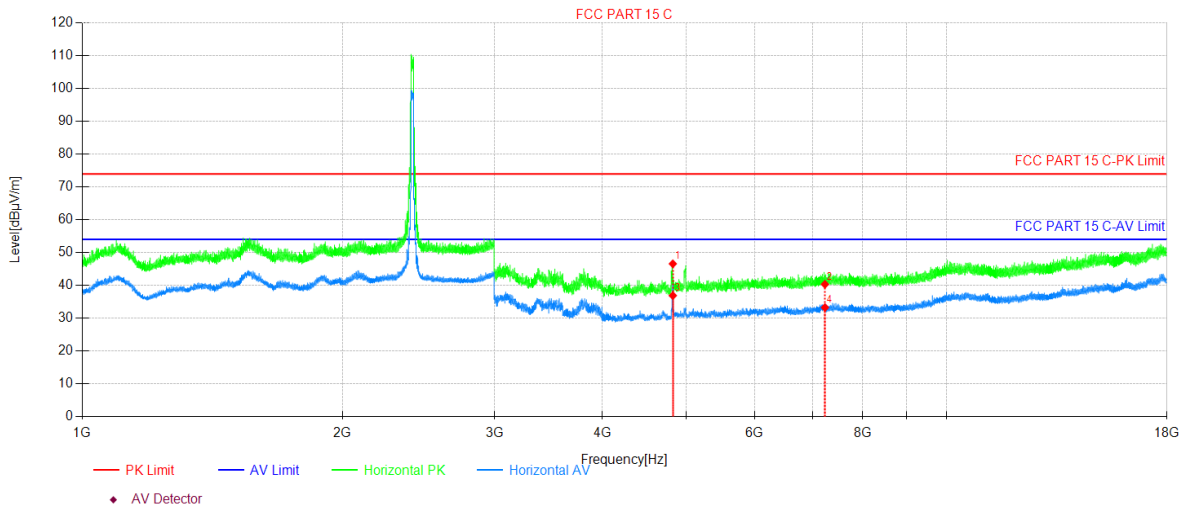
<http://www.uttlab.com>

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IEEE 802.11n- ax20 \_ Lowest Channel:

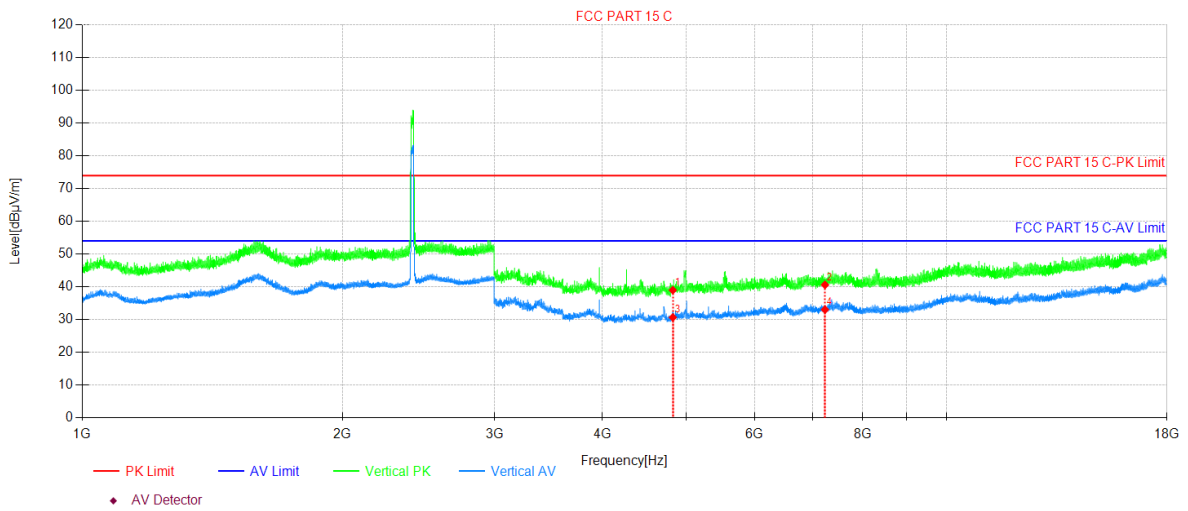
Test Graph



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	51.21	-4.63	46.58	74.00	27.42	150	26	PK	Horizontal	PASS
2	7236.2118	42.02	-1.70	40.32	74.00	33.68	150	0	PK	Horizontal	PASS
3	4824.0912	41.50	-4.63	36.87	54.00	17.13	150	12	AV	Horizontal	PASS
4	7236.2118	34.93	-1.70	33.23	54.00	20.77	150	26	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	43.61	-4.63	38.98	74.00	35.02	150	177	PK	Vertical	PASS
2	7236.2118	42.28	-1.70	40.58	74.00	33.42	150	0	PK	Vertical	PASS
3	4824.0912	35.27	-4.63	30.64	54.00	23.36	150	151	AV	Vertical	PASS
4	7236.2118	34.72	-1.70	33.02	54.00	20.98	150	177	AV	Vertical	PASS

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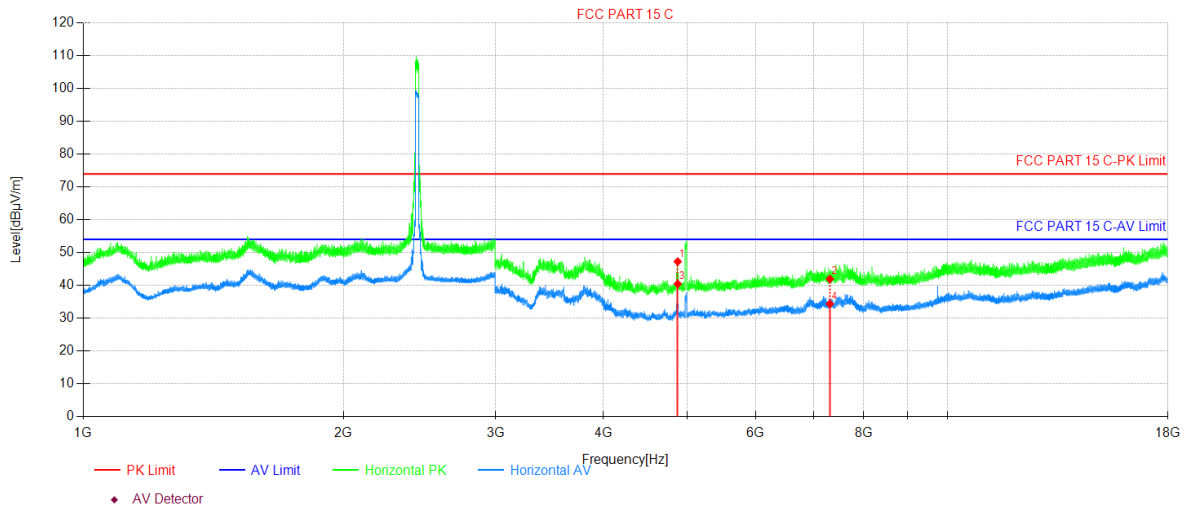
E-mail: info@uttlab.com

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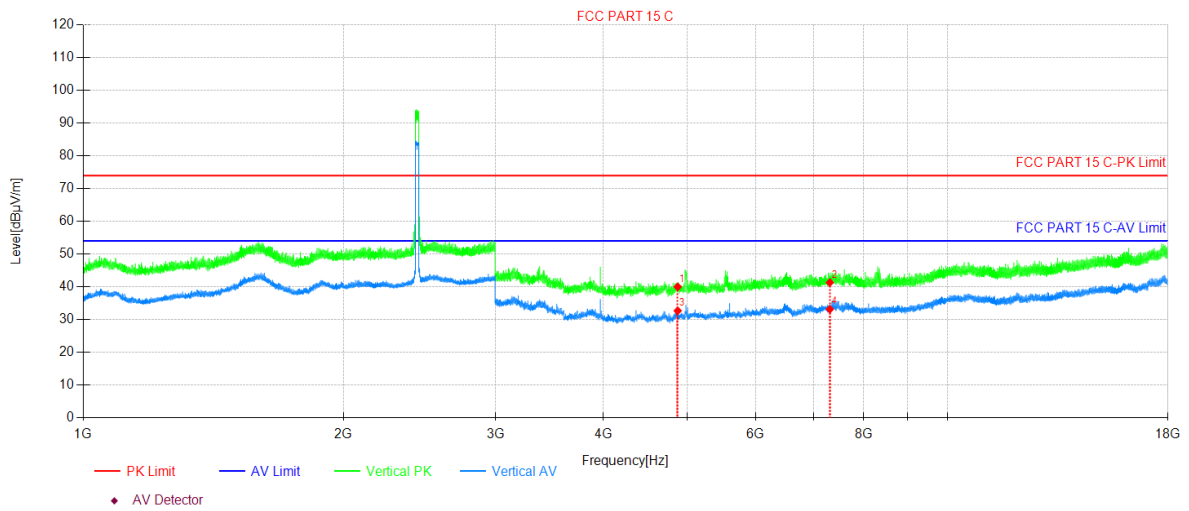
## IEEE 802.11n-ax20 \_ Middle Channel:

### 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	51.94	-4.70	47.24	74.00	26.76	150	13	PK	Horizontal	PASS
2	7311.2156	43.47	-1.53	41.94	74.00	32.06	150	163	PK	Horizontal	PASS
3	4874.3437	45.15	-4.70	40.45	54.00	13.55	150	27	AV	Horizontal	PASS
4	7311.2156	35.86	-1.53	34.33	54.00	19.67	150	151	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	44.68	-4.70	39.98	74.00	34.02	150	166	PK	Vertical	PASS
2	7311.2156	42.84	-1.53	41.31	74.00	32.69	150	14	PK	Vertical	PASS
3	4874.3437	37.37	-4.70	32.67	54.00	21.33	150	176	AV	Vertical	PASS
4	7311.2156	34.68	-1.53	33.15	54.00	20.85	150	152	AV	Vertical	PASS

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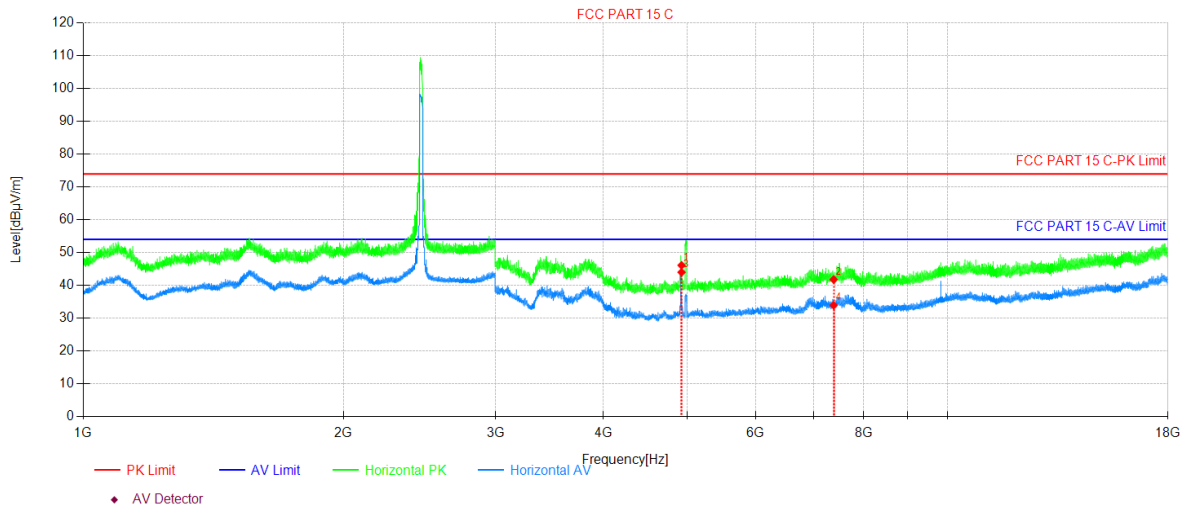
E-mail: info@uttlab.com

<http://www.uttlab.com>

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IEEE 802.11n- ax20 \_ Highest Channel:

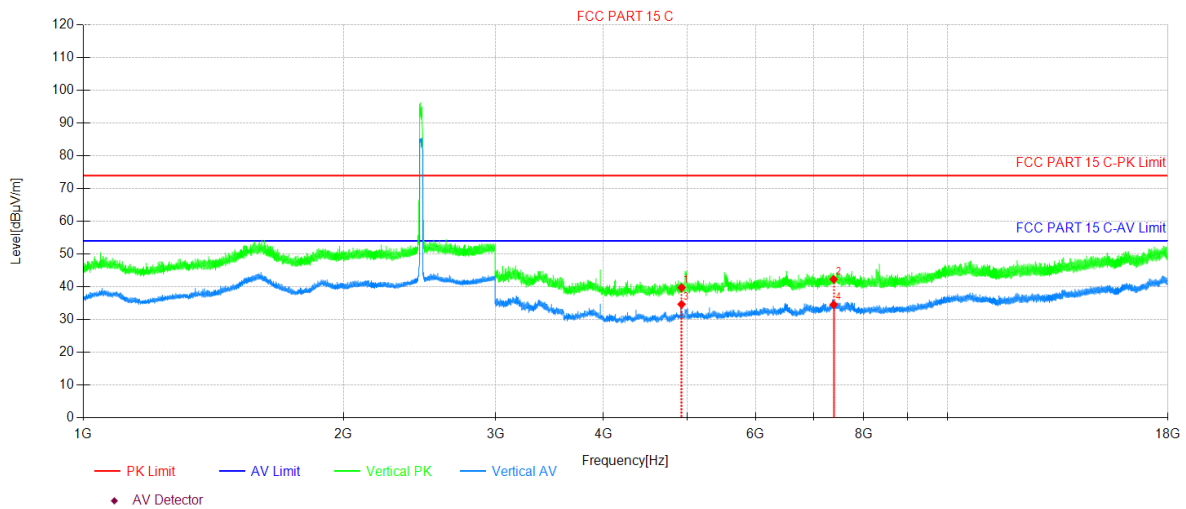
Test Graph



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	50.90	-4.79	46.11	74.00	27.89	150	68	PK	Horizontal	PASS
2	7386.2193	43.10	-1.32	41.78	74.00	32.22	150	163	PK	Horizontal	PASS
3	4924.5962	48.78	-4.79	43.99	54.00	10.01	150	0	AV	Horizontal	PASS
4	7386.2193	35.24	-1.32	33.92	54.00	20.08	150	163	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	44.55	-4.79	39.76	74.00	34.24	150	107	PK	Vertical	PASS
2	7386.2193	43.62	-1.32	42.30	74.00	31.70	150	124	PK	Vertical	PASS
3	4924.5962	39.44	-4.79	34.65	54.00	19.35	150	177	AV	Vertical	PASS
4	7386.2193	35.87	-1.32	34.55	54.00	19.45	150	124	AV	Vertical	PASS

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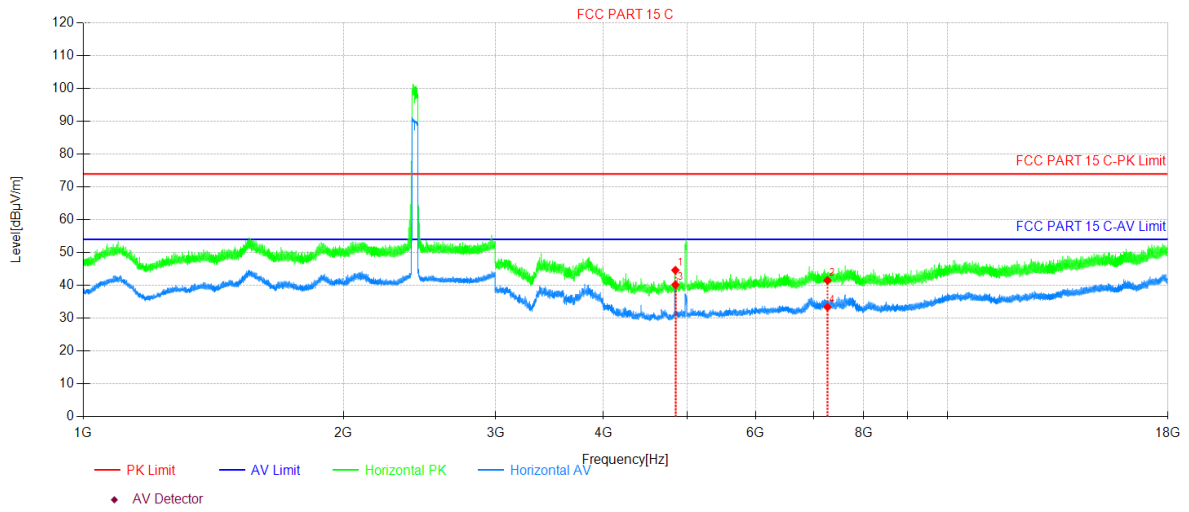
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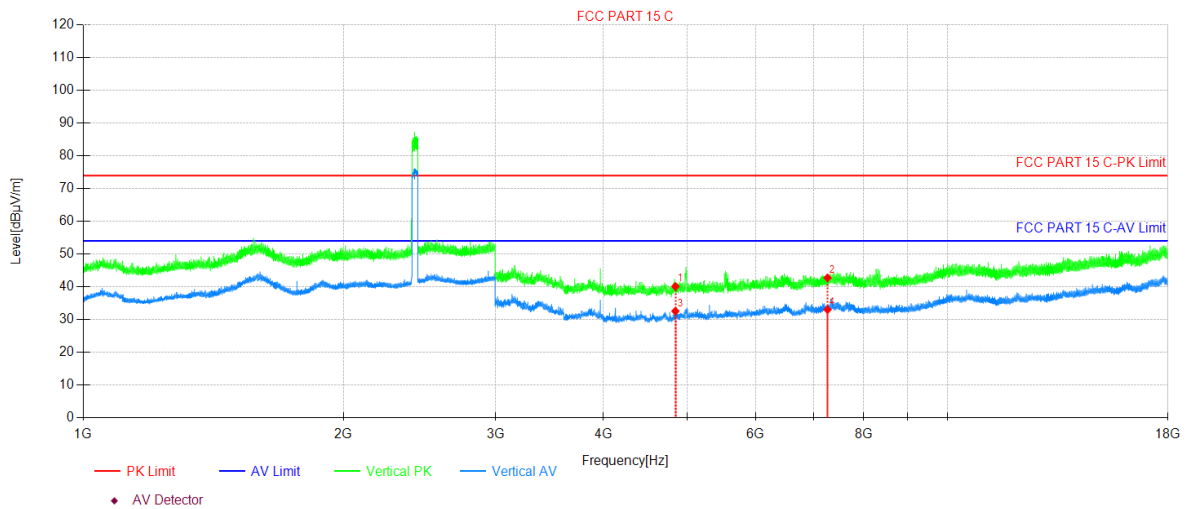
## IEEE 802.11n-ax40 \_ Lowest Channel:

### 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	4844.3422	49.29	-4.66	44.63	74.00	29.37	150	3	PK	Horizontal	PASS
2	7266.2133	43.13	-1.63	41.50	74.00	32.50	150	173	PK	Horizontal	PASS
3	4844.3422	44.84	-4.66	40.18	54.00	13.82	150	30	AV	Horizontal	PASS
4	7266.2133	34.99	-1.63	33.36	54.00	20.64	150	173	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	4844.3422	44.76	-4.66	40.10	74.00	33.90	150	99	PK	Vertical	PASS
2	7266.2133	44.37	-1.63	42.74	74.00	31.26	150	14	PK	Vertical	PASS
3	4844.3422	37.21	-4.66	32.55	54.00	21.45	150	180	AV	Vertical	PASS
4	7266.2133	34.65	-1.63	33.02	54.00	20.98	150	140	AV	Vertical	PASS

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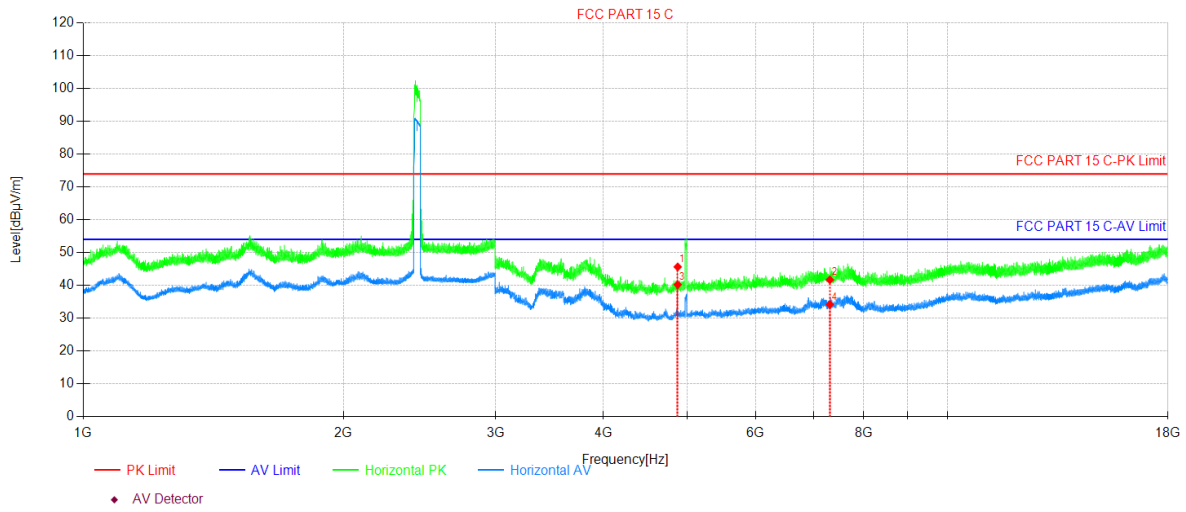
E-mail: info@uttlab.com

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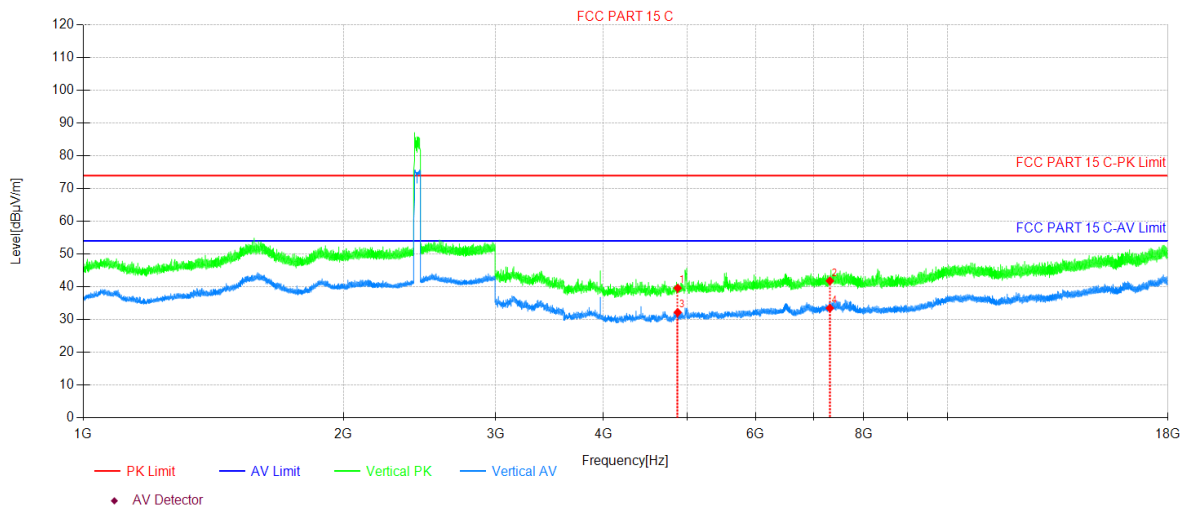
## IEEE 802.11n- ax40 \_ Middle Channel:

### Test Graph



Data List											
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1	4874.3437	50.33	-4.70	45.63	74.00	28.37	150	68	PK	Horizontal	PASS
2	7311.2156	43.20	-1.53	41.67	74.00	32.33	150	0	PK	Horizontal	PASS
3	4874.3437	44.93	-4.70	40.23	54.00	13.77	150	13	AV	Horizontal	PASS
4	7311.2156	35.70	-1.53	34.17	54.00	19.83	150	152	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	44.32	-4.70	39.62	74.00	34.38	150	139	PK	Vertical	PASS
2	7311.2156	43.34	-1.53	41.81	74.00	32.19	150	45	PK	Vertical	PASS
3	4874.3437	36.87	-4.70	32.17	54.00	21.83	150	177	AV	Vertical	PASS
4	7311.2156	35.00	-1.53	33.47	54.00	20.53	150	152	AV	Vertical	PASS

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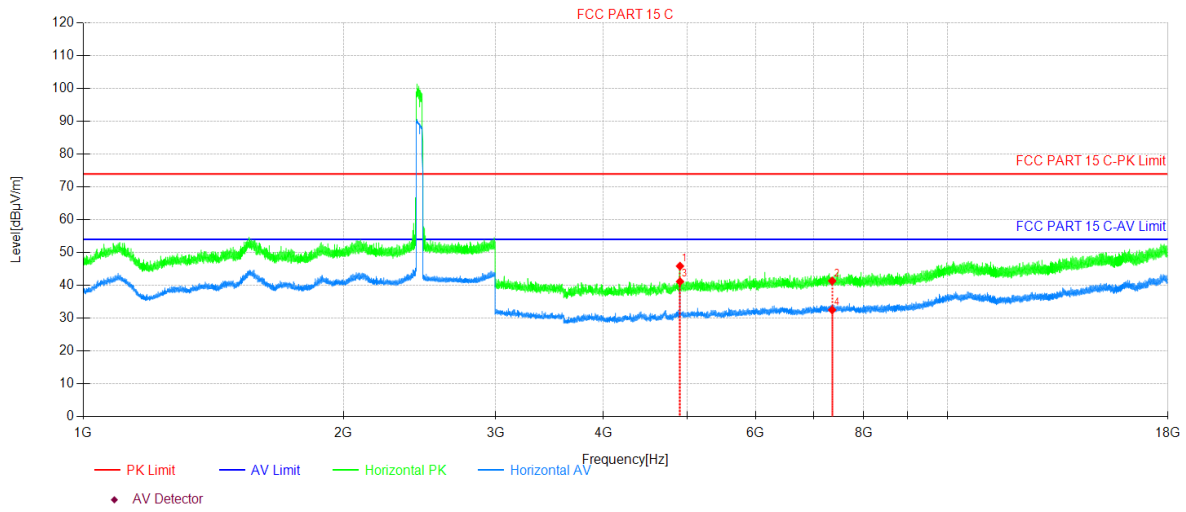
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

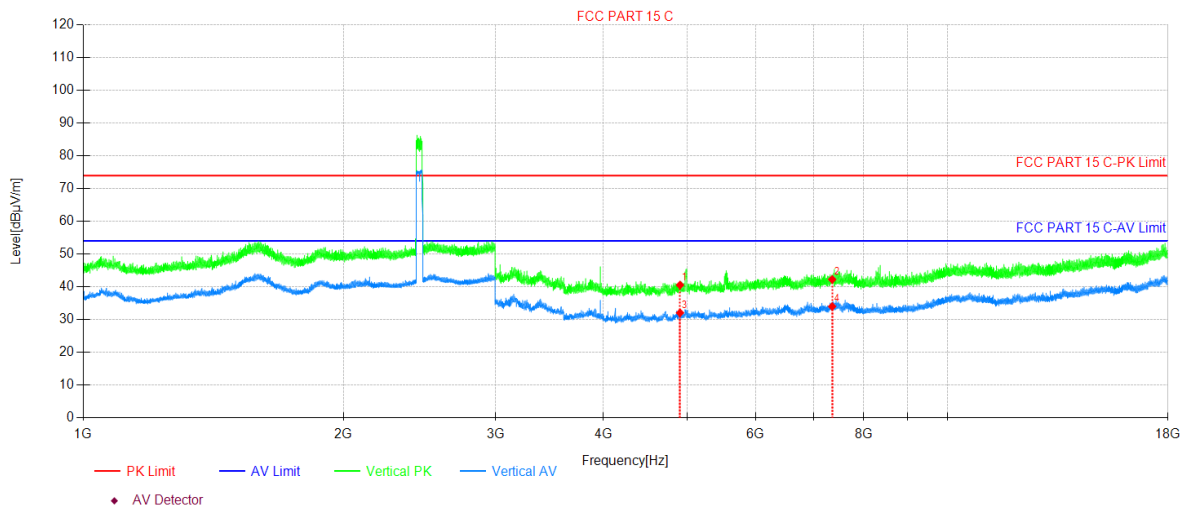
UTTR-RF-RSS247-V1.1

**IEEE 802.11n- ax40 \_ 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	4904.3452	50.62	-4.75	45.87	74.00	28.13	150	16	PK	Horizontal	PASS
2	7356.2178	42.74	-1.40	41.34	74.00	32.66	150	139	PK	Horizontal	PASS
3	4904.3452	45.89	-4.75	41.14	54.00	12.86	150	0	AV	Horizontal	PASS
4	7356.2178	33.91	-1.40	32.51	54.00	21.49	150	177	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	4904.3452	45.29	-4.75	40.54	74.00	33.46	150	166	PK	Vertical	PASS
2	7356.2178	43.64	-1.40	42.24	74.00	31.76	150	153	PK	Vertical	PASS
3	4904.3452	36.79	-4.75	32.04	54.00	21.96	150	94	AV	Vertical	PASS
4	7356.2178	35.38	-1.40	33.98	54.00	20.02	150	108	AV	Vertical	PASS

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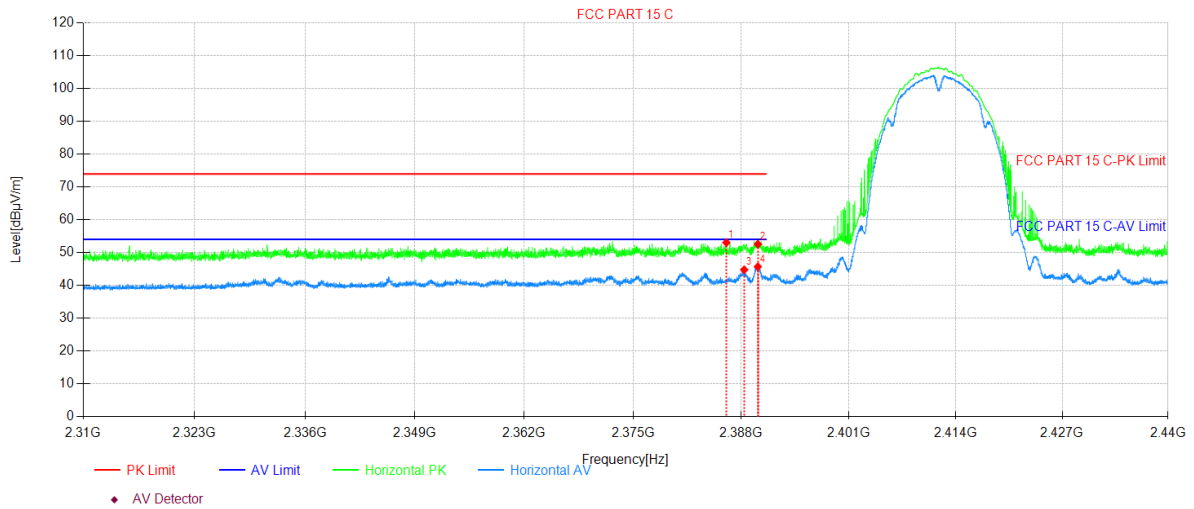
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### A.6 BAND EDGE MEASUREMENTS (RADIATED)

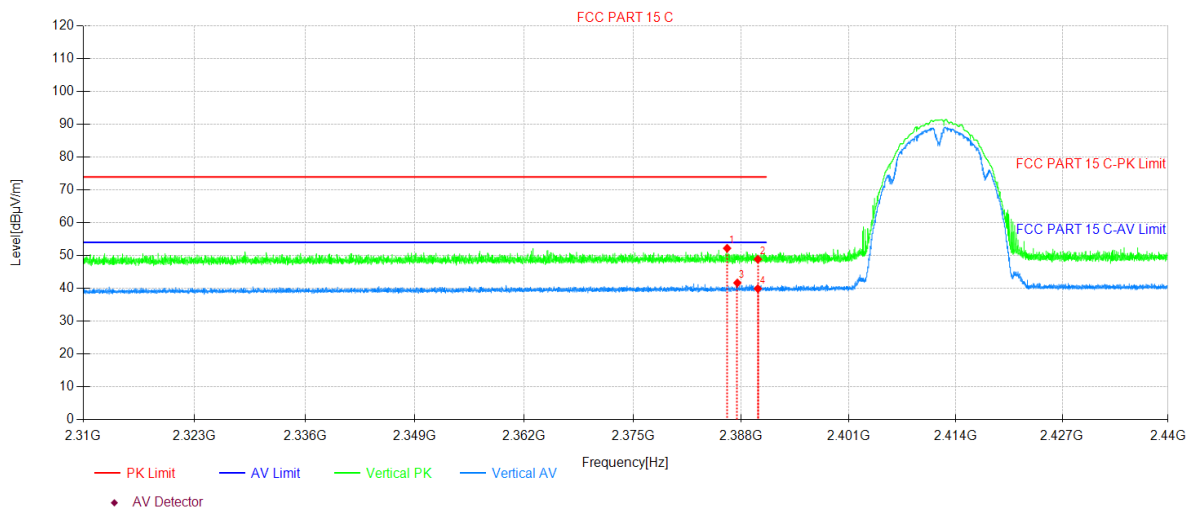
IEEE 802.11b \_ Lowest Channel:

Test Graph



Data List												
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1	2386.2136	53.84	-0.81	53.03	74.00	20.97	150	11	PK	Horizontal	PASS	
2	2390.01	53.35	-0.80	52.55	74.00	21.45	150	24	PK	Horizontal	PASS	
3	2388.3588	45.56	-0.80	44.76	54.00	9.24	150	11	AV	Horizontal	PASS	
4	2390.01	46.50	-0.80	45.70	54.00	8.30	150	11	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	2386.3046	53.03	-0.81	52.22	74.00	21.78	150	177	PK	Vertical	PASS	
2	2390.01	49.67	-0.80	48.87	74.00	25.13	150	168	PK	Vertical	PASS	
3	2387.5398	42.46	-0.80	41.66	54.00	12.34	150	177	AV	Vertical	PASS	
4	2390.01	40.71	-0.80	39.91	54.00	14.09	150	177	AV	Vertical	PASS	

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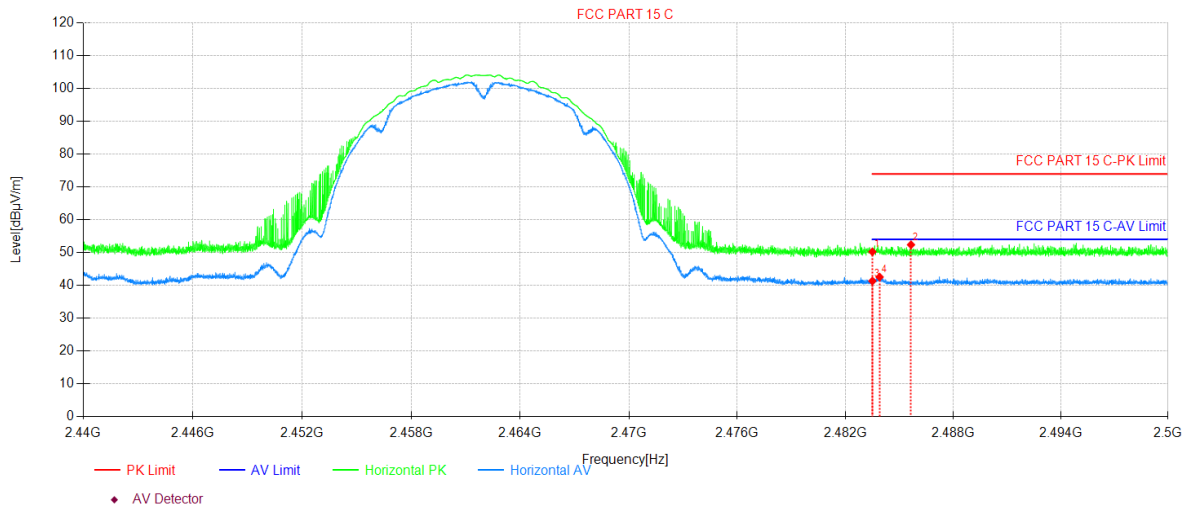
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<http://www.uttlab.com>

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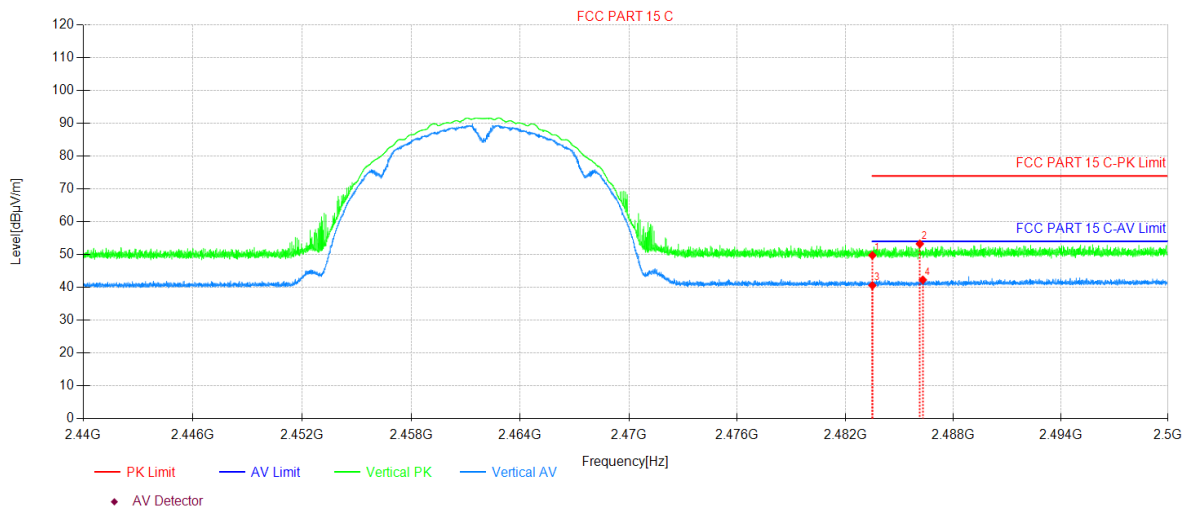
**IEEE 802.11b \_ Highest Channel:  
Test Graph**



**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	2483.5044	50.53	-0.29	50.24	74.00	23.76	150	29	PK	Horizontal	PASS
2	2485.6526	52.65	-0.27	52.38	74.00	21.62	150	170	PK	Horizontal	PASS
3	2483.5044	41.62	-0.29	41.33	54.00	12.67	150	40	AV	Horizontal	PASS
4	2483.9064	42.81	-0.28	42.53	54.00	11.47	150	13	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	2483.5044	50.05	-0.29	49.76	74.00	24.24	150	124	PK	Vertical	PASS
2	2486.1446	53.53	-0.27	53.26	74.00	20.74	150	168	PK	Vertical	PASS
3	2483.5044	40.88	-0.29	40.59	54.00	13.41	150	99	AV	Vertical	PASS
4	2486.3126	42.55	-0.26	42.29	54.00	11.71	150	168	AV	Vertical	PASS

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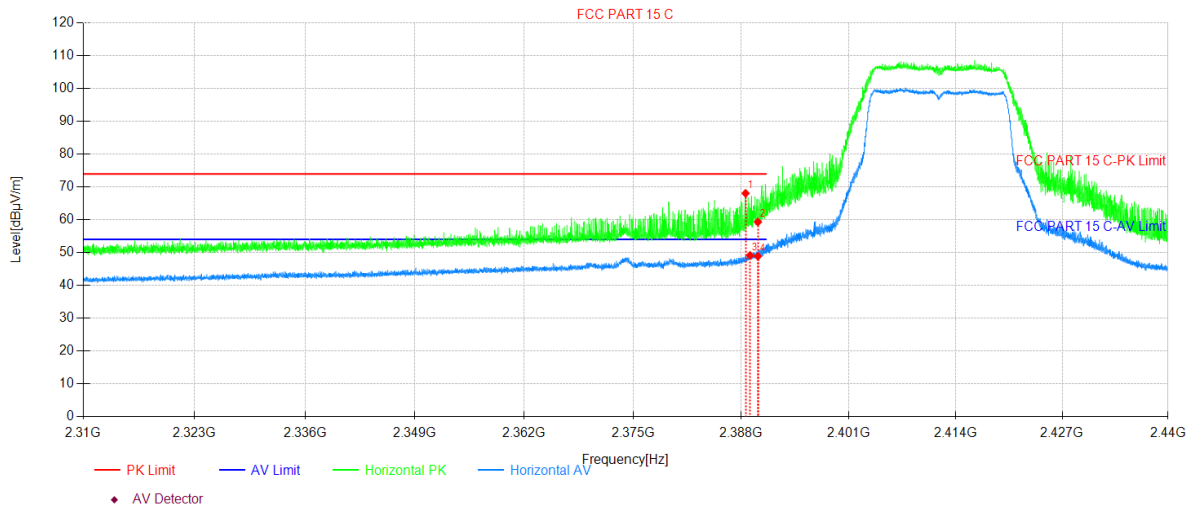
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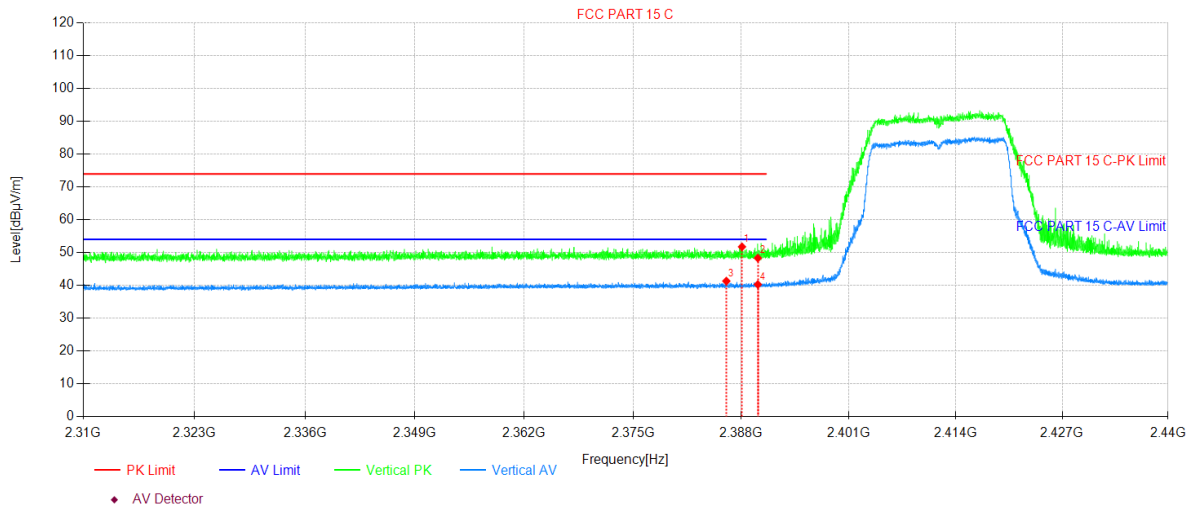
**IEEE 802.11g \_ Lowest Channel:  
Test Graph**



**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	2388.5279	68.86	-0.80	68.06	74.00	5.94	150	24	PK	Horizontal	PASS
2	2390.01	60.13	-0.80	59.33	74.00	14.67	150	24	PK	Horizontal	PASS
3	2389.0739	49.94	-0.80	49.14	54.00	4.86	150	24	AV	Horizontal	PASS
4	2390.01	49.66	-0.80	48.86	54.00	5.14	150	11	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	2388.0988	52.56	-0.80	51.76	74.00	22.24	150	21	PK	Vertical	PASS
2	2390.01	49.11	-0.80	48.31	74.00	25.69	150	168	PK	Vertical	PASS
3	2386.2136	42.10	-0.81	41.29	54.00	12.71	150	102	AV	Vertical	PASS
4	2390.01	41.06	-0.80	40.26	54.00	13.74	150	157	AV	Vertical	PASS

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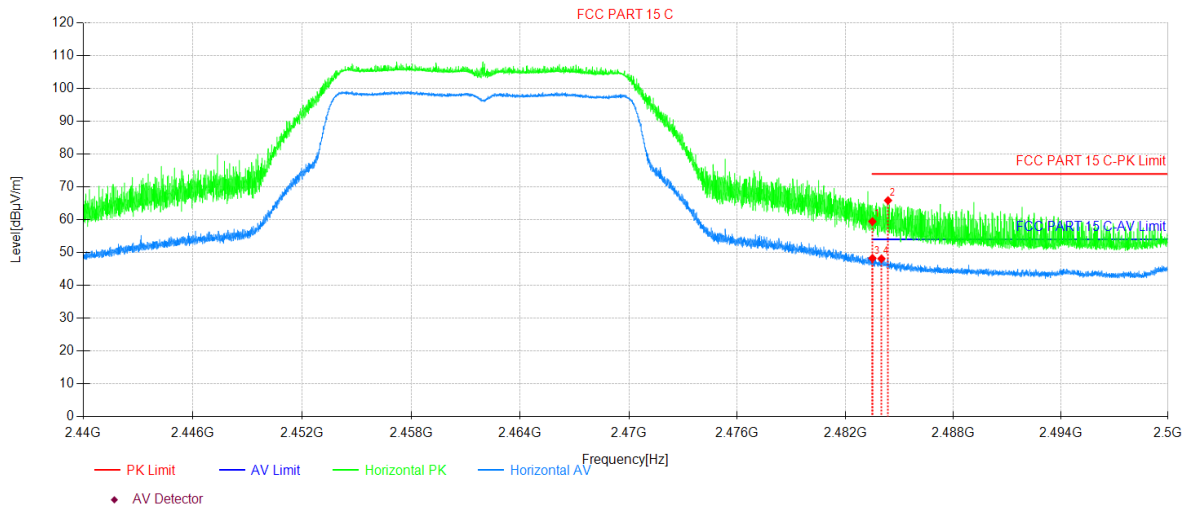
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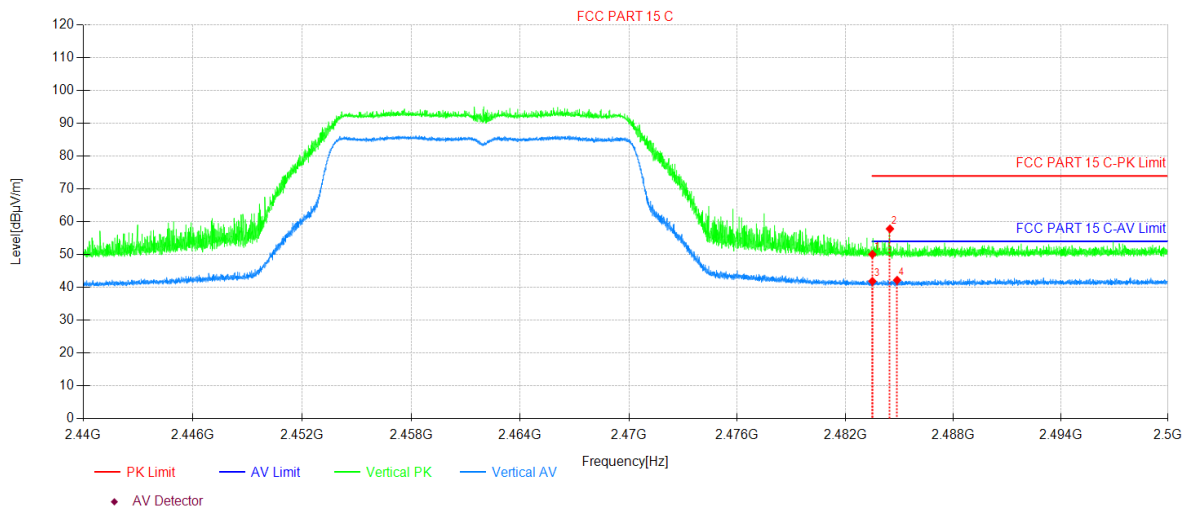
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IEEE 802.11g \_ Highest Channel:  
Test Graph



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	2483.5044	59.77	-0.29	59.48	74.00	14.52	150	11	PK	Horizontal	PASS
2	2484.3744	66.16	-0.28	65.88	74.00	8.12	150	36	PK	Horizontal	PASS
3	2483.5044	48.56	-0.29	48.27	54.00	5.73	150	2	AV	Horizontal	PASS
4	2484.0084	48.41	-0.28	48.13	54.00	5.87	150	2	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	2483.5044	50.36	-0.29	50.07	74.00	23.93	150	48	PK	Vertical	PASS
2	2484.4824	58.13	-0.28	57.85	74.00	16.15	150	0	PK	Vertical	PASS
3	2483.5044	42.16	-0.29	41.87	54.00	12.13	150	94	AV	Vertical	PASS
4	2484.8845	42.45	-0.27	42.18	54.00	11.82	150	168	AV	Vertical	PASS

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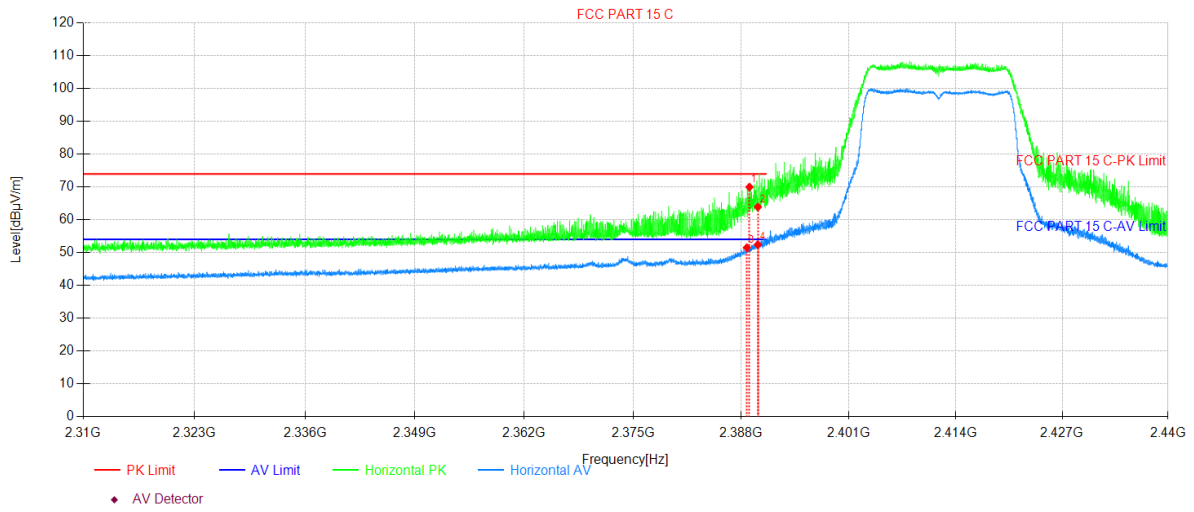
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IEEE 802.11n-HT20 \_ Lowest Channel:

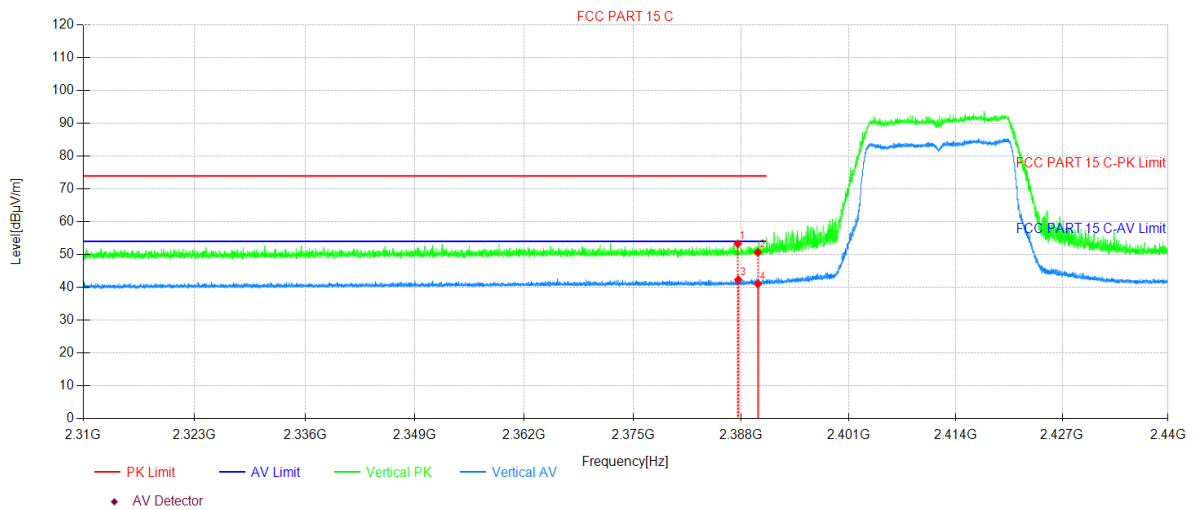
Test Graph



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	2388.9959	70.79	-0.80	69.99	74.00	4.01	150	358	PK	Horizontal	PASS
2	2390.01	64.71	-0.80	63.91	74.00	10.09	150	358	PK	Horizontal	PASS
3	2388.6839	52.31	-0.80	51.51	54.00	2.49	150	12	AV	Horizontal	PASS
4	2390.01	53.21	-0.80	52.41	54.00	1.59	150	360	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	2387.5918	54.09	-0.80	53.29	74.00	20.71	150	196	PK	Vertical	PASS
2	2390.01	51.46	-0.80	50.66	74.00	23.34	150	326	PK	Vertical	PASS
3	2387.6438	43.13	-0.80	42.33	54.00	11.67	150	196	AV	Vertical	PASS
4	2390.01	41.84	-0.80	41.04	54.00	12.96	150	105	AV	Vertical	PASS

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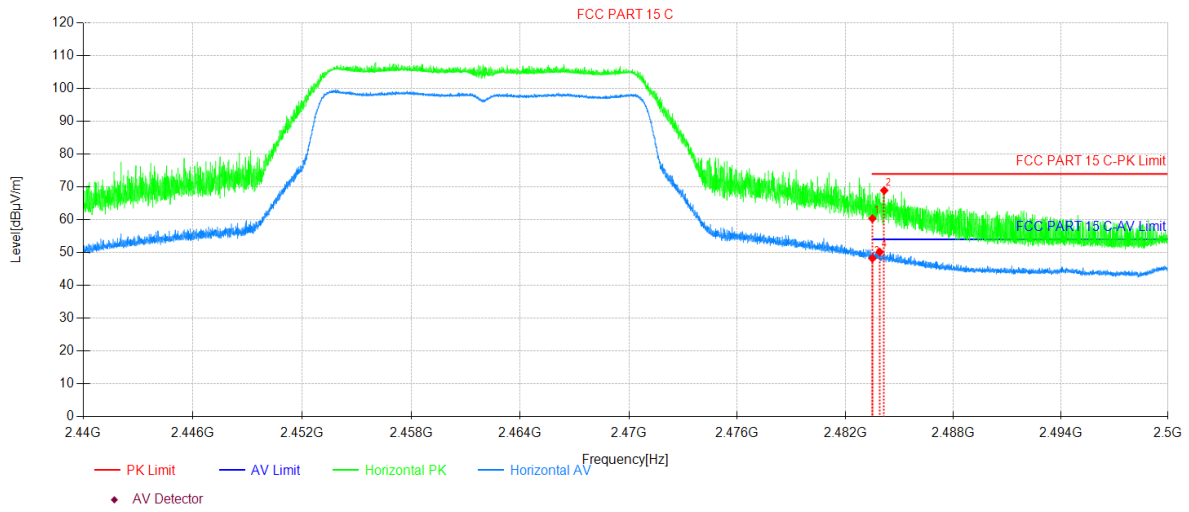
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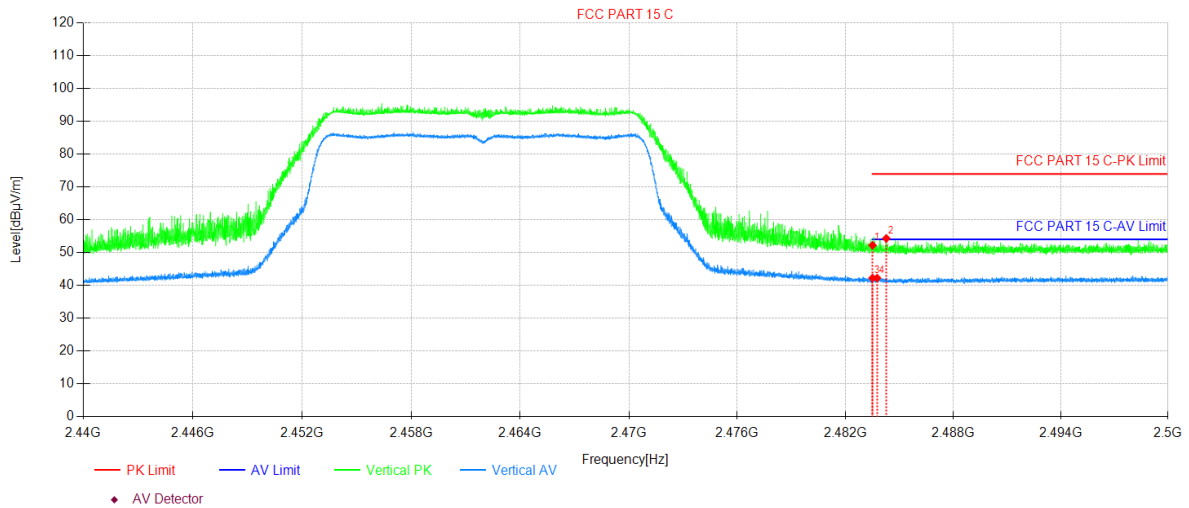
## IEEE 802.11n-HT20 \_ Highest Channel:

### 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	2483.5044	60.66	-0.29	60.37	74.00	13.63	150	3	PK	Horizontal	PASS
2	2484.1644	69.22	-0.28	68.94	74.00	5.06	150	350	PK	Horizontal	PASS
3	2483.5044	48.53	-0.29	48.24	54.00	5.76	150	358	AV	Horizontal	PASS
4	2483.9124	50.44	-0.28	50.16	54.00	3.84	150	3	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	2483.5104	52.52	-0.29	52.23	74.00	21.77	150	187	PK	Vertical	PASS
2	2484.2784	54.60	-0.28	54.32	74.00	19.68	150	21	PK	Vertical	PASS
3	2483.5104	42.53	-0.29	42.24	54.00	11.76	150	216	AV	Vertical	PASS
4	2483.7684	42.50	-0.28	42.22	54.00	11.78	150	227	AV	Vertical	PASS

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