



## SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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### 5. Channel Loading (Payload)

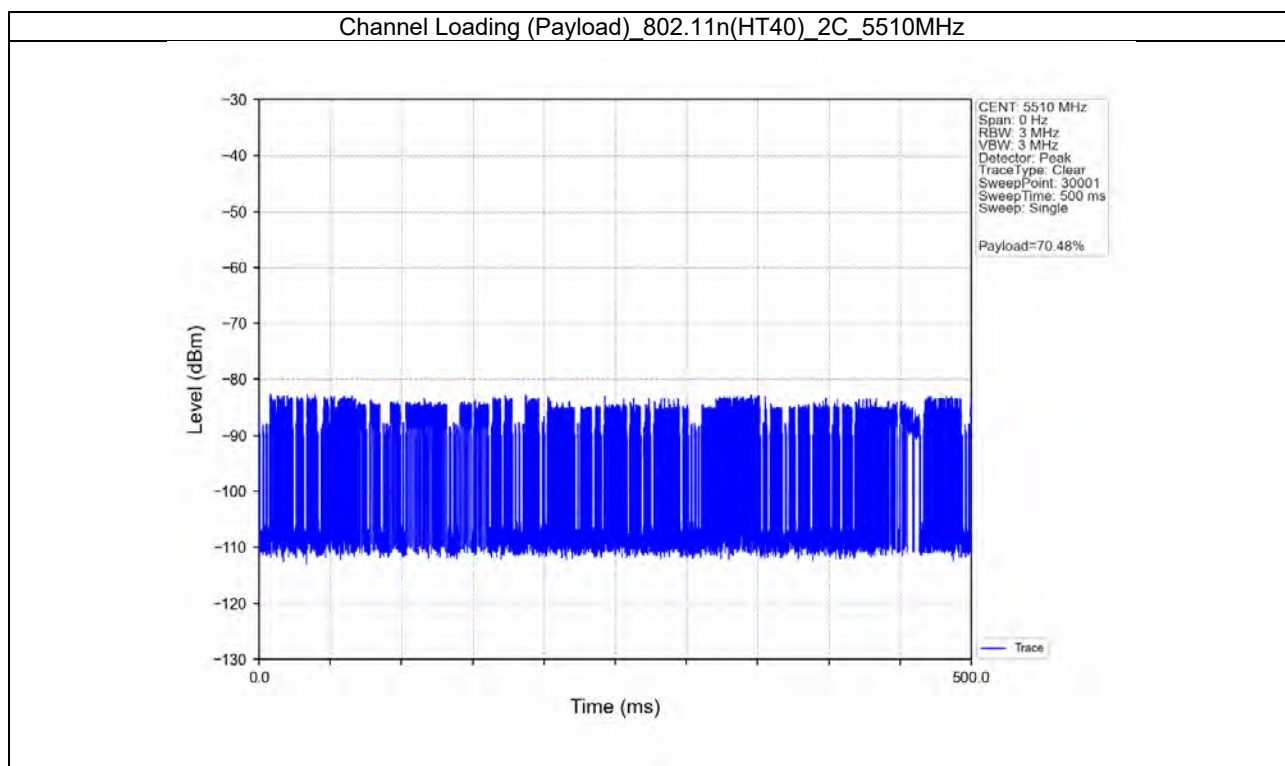
#### 5.1 Test Result

##### 5.1.1 Payload

Band: 2C					
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Loading (Payload) (%)		Verdict
			Result	Limit	
802.11n (HT40)	40	5510	70.48	$\geq 17$	Pass

#### 5.2 Test Graph

##### 5.2.1 Payload



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### 6. Channel Move Time and Closing Transmission Time

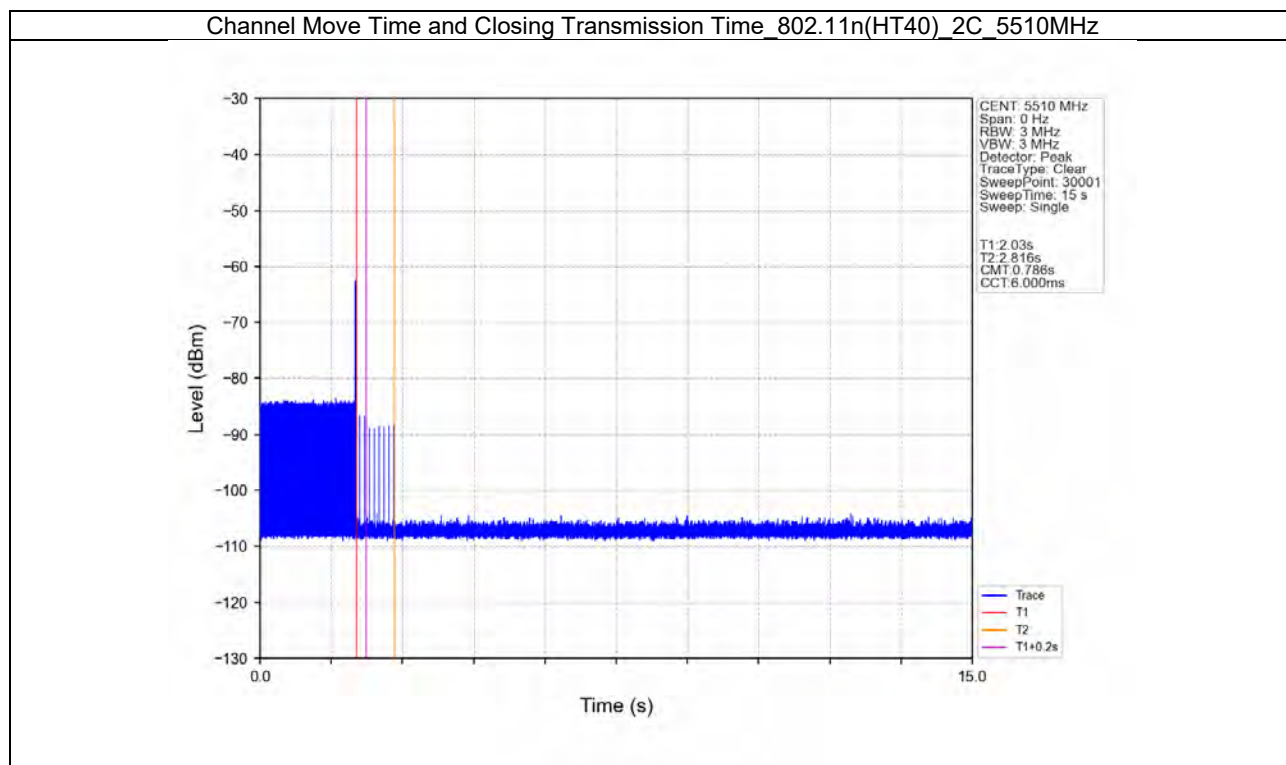
#### 6.1 Test Result

##### 6.1.1 CMT\_CTT

Band: 2C					
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Move Time and Closing Transmission Time		Verdict
			Result	Limit	
802.11n (HT40)	40	5510	Refer To Test Graph		Pass

#### 6.2 Test Graph

##### 6.2.1 CMT\_CTT



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## 7. Non-Occupancy Period

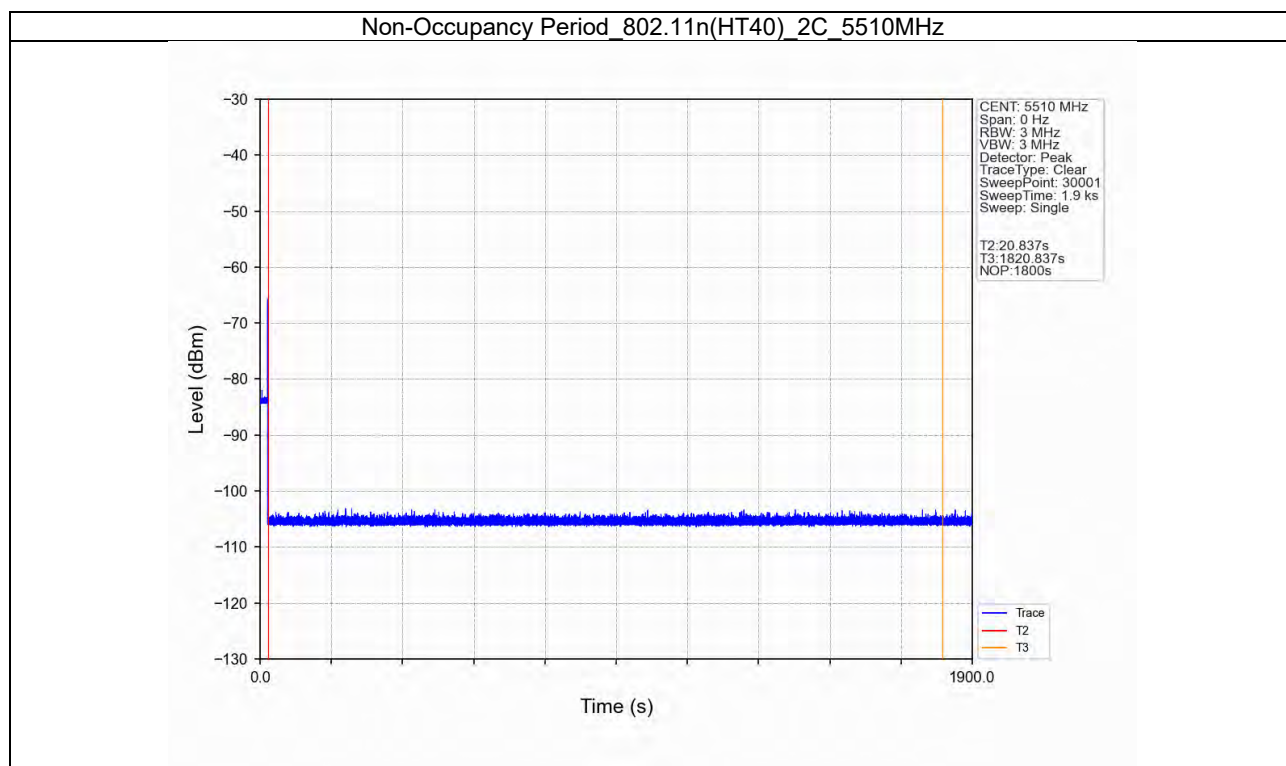
### 7.1 Test Result

#### 7.1.1 Period

Band: 2C					
Mode	Bandwidth (MHz)	Frequency (MHz)	Non-Occupancy Period		Verdict
			Result	Limit	
802.11n (HT40)	40	5510	Refer To Test Graph		Pass

### 7.2 Test Graph

#### 7.2.1 Period



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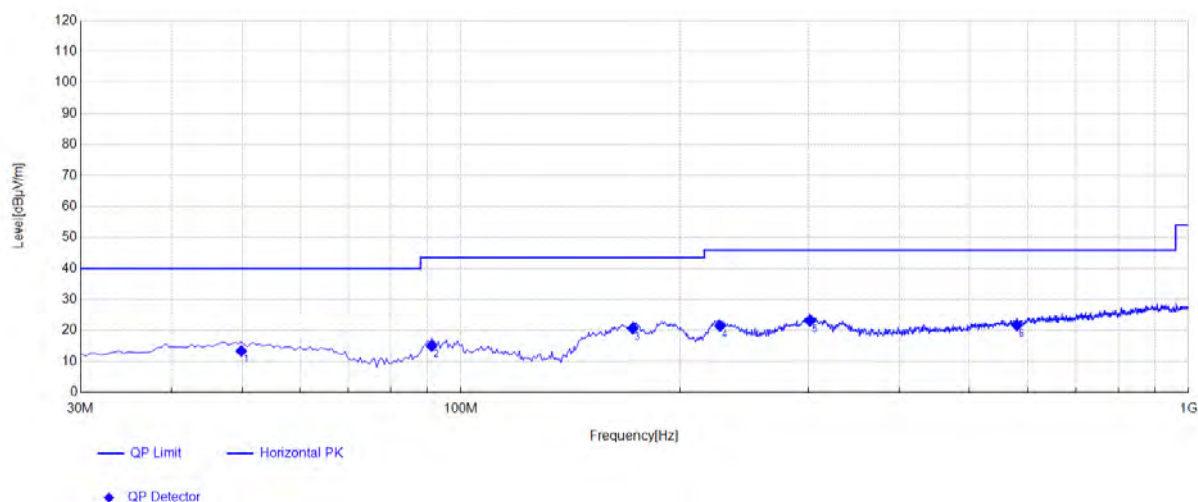
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## Radiated Spurious Emissions

### Radiated emission below 1GHz

Worst case Mode: 802.11a\_Channel 140



Data List								
NO.	Freq. [MHz]	AF[dB/m]	Factor [dB]	QP Reading[dB μV]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	49.8949	14.11	-28.35	27.66	13.42	40.00	26.58	Horizontal
2	91.1406	10.49	-27.95	32.49	15.03	43.50	28.47	Horizontal
3	172.1761	9.12	-27.36	38.88	20.64	43.50	22.86	Horizontal
4	227.0085	11.32	-26.82	36.91	21.41	46.00	24.59	Horizontal
5	301.7359	13.30	-26.24	35.95	23.01	46.00	22.99	Horizontal
6	580.7504	18.30	-25.15	28.5	21.65	46.00	24.35	Horizontal

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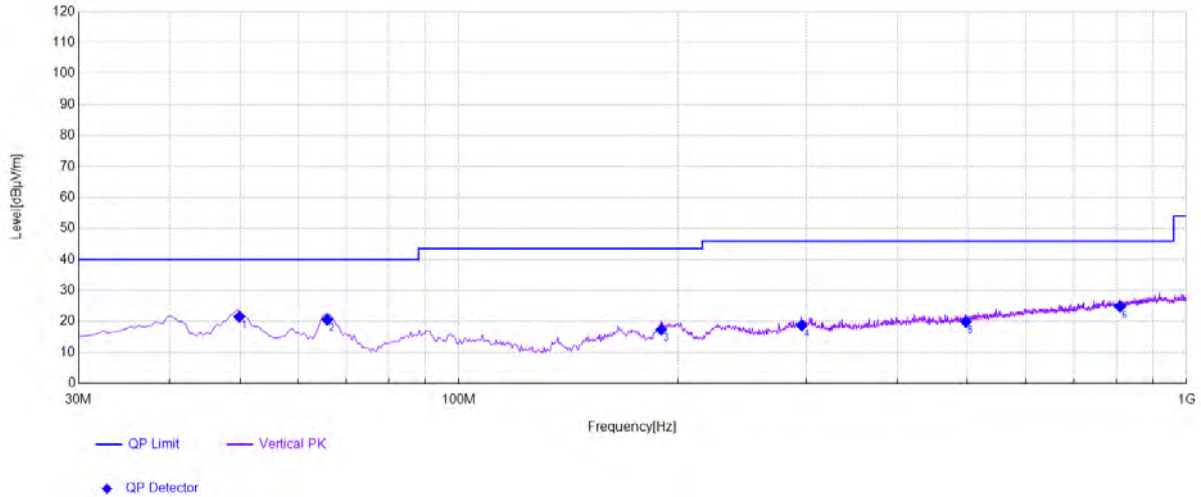
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### Data List

NO.	Freq. [MHz]	AF[dB/m]	Factor [dB]	QP Reading[dB μV]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	49.8949	14.11	-28.35	35.74	21.50	40.00	18.50	Vertical
2	65.908	11.92	-27.74	36.4	20.58	40.00	19.42	Vertical
3	189.6448	10.34	-27.00	34.04	17.38	43.50	26.12	Vertical
4	295.913	13.36	-26.33	31.73	18.76	46.00	27.24	Vertical
5	497.2886	16.94	-25.68	28.63	19.89	46.00	26.11	Vertical
6	810.2701	20.90	-24.21	28.13	24.82	46.00	21.18	Vertical

### Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:  

$$\text{Value} = \text{Reading}(\text{dB}\mu\text{V}) + \text{AF}(\text{dB}/\text{m}) + \text{Factor}(\text{dB})$$

$$\text{AF} = \text{Antenna Factor}(\text{dB}/\text{m})$$

$$\text{Factor} = \text{Cable Factor}(\text{dB}) - \text{Preamplifier gain}(\text{dB})$$

$$\text{Margin} = \text{Limit}(\text{dB}\mu\text{V}/\text{m}) - \text{Value}(\text{dB}\mu\text{V}/\text{m})$$
- All channels have been tested, but only the worst case data displayed in this report.

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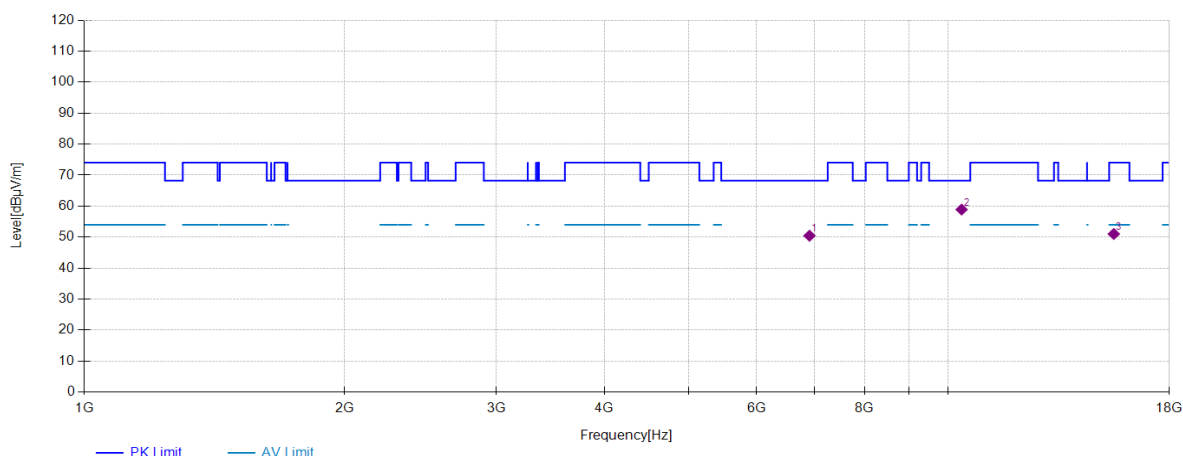
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## Transmitter emission Above 1GHz

### 802.11a\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6906.5	54.80	35.39	-39.73	50.46	68.20	17.74	Horizontal
2	10358.5	55.26	39.16	-35.53	58.89	68.20	9.31	Horizontal
3	15540	41.09	38.74	-28.80	51.03	74.00	22.97	Horizontal

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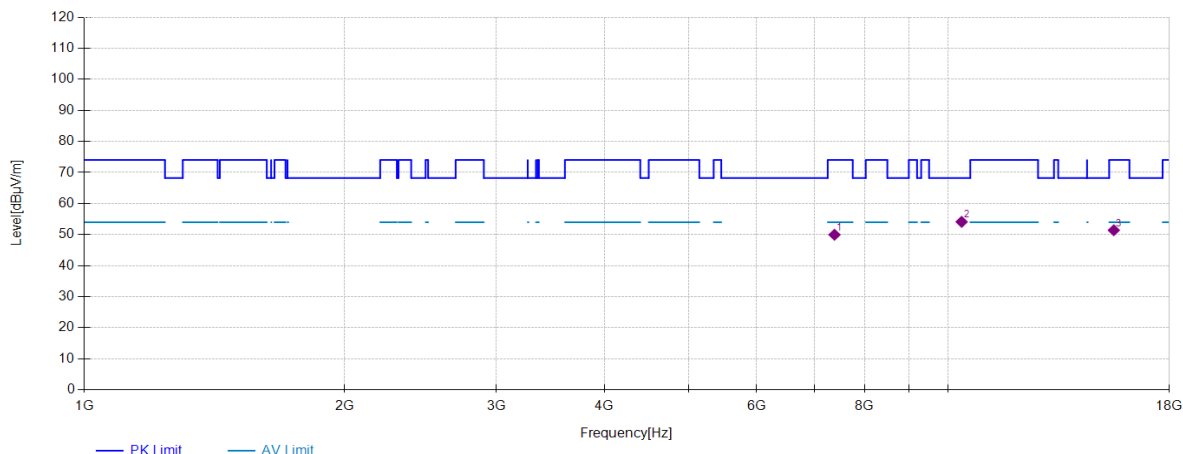
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## 802.11a\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7382.5	51.90	36.63	-38.57	49.96	74.00	24.04	Vertical
2	10359.5	50.48	39.16	-35.53	54.11	68.20	14.09	Vertical
3	15540	41.46	38.74	-28.80	51.40	74.00	22.60	Vertical

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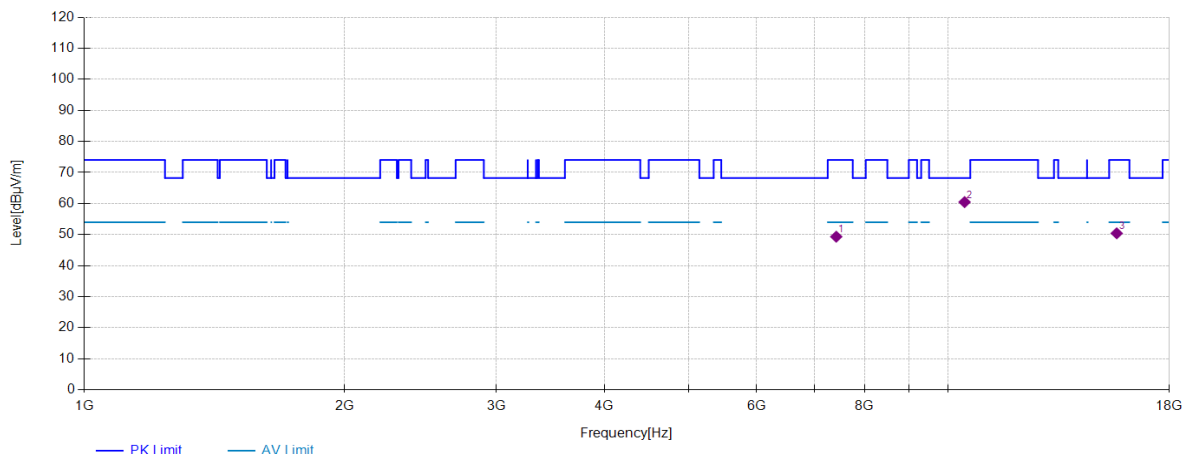
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## 802.11a\_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7417	51.03	36.73	-38.43	49.33	74.00	24.67	Horizontal
2	10441	56.95	39.08	-35.57	60.46	68.20	7.74	Horizontal
3	15660	41.20	38.50	-29.29	50.41	74.00	23.59	Horizontal

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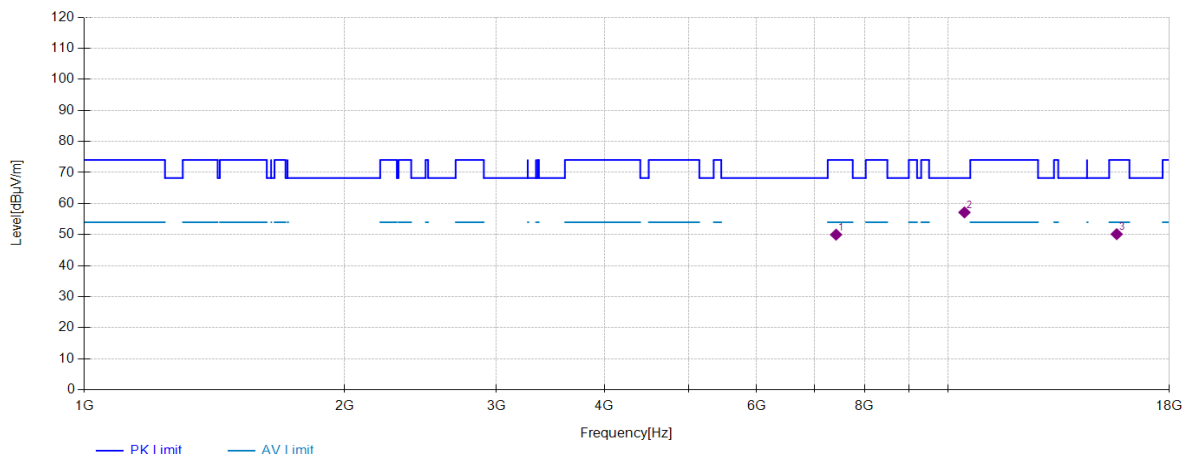
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## 802.11a\_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7414	51.69	36.73	-38.44	49.98	74.00	24.02	Vertical
2	10437.5	53.61	39.09	-35.55	57.15	68.20	11.05	Vertical
3	15660	40.93	38.50	-29.29	50.14	74.00	23.86	Vertical

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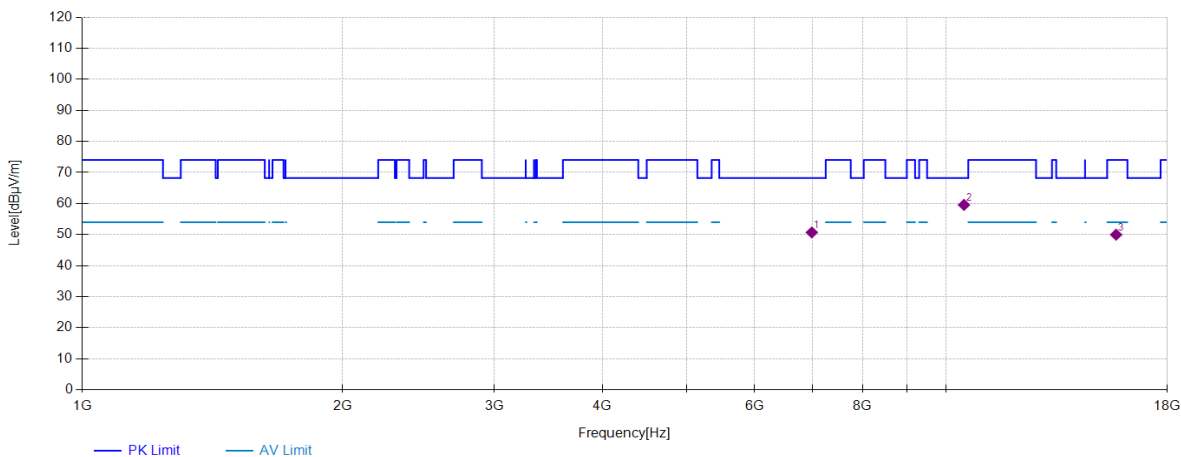
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802.11a\_Channel 48



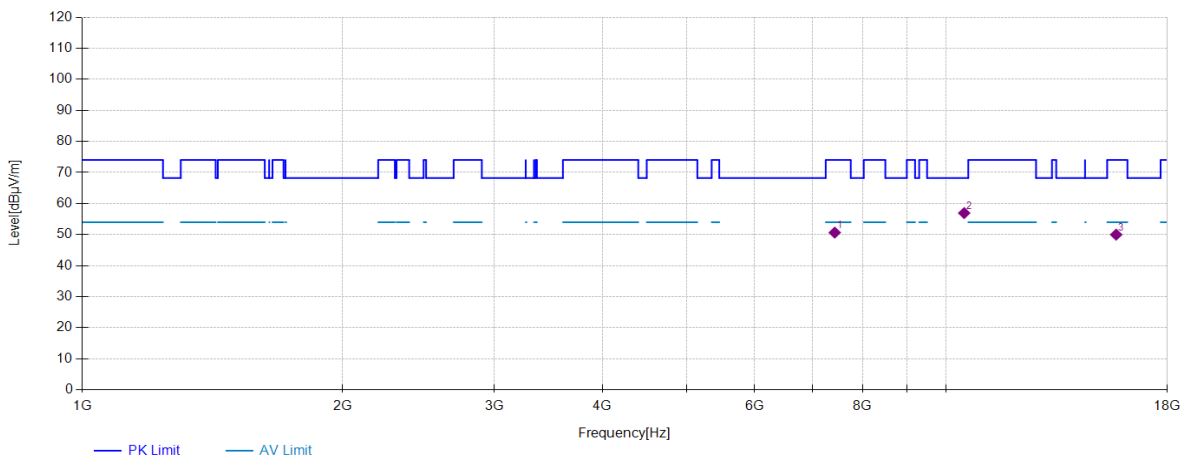
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6986.5	54.39	35.52	-39.21	50.70	68.20	17.50	Horizontal
2	10480.5	56.11	38.96	-35.50	59.57	68.20	8.63	Horizontal
3	15720	40.41	38.42	-28.86	49.97	74.00	24.03	Horizontal

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### 802.11a\_Channel 48



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7427	52.27	36.75	-38.37	50.65	74.00	23.35	Vertical
2	10485.5	53.47	38.94	-35.48	56.93	68.20	11.27	Vertical
3	15720	40.43	38.42	-28.86	49.99	74.00	24.01	Vertical

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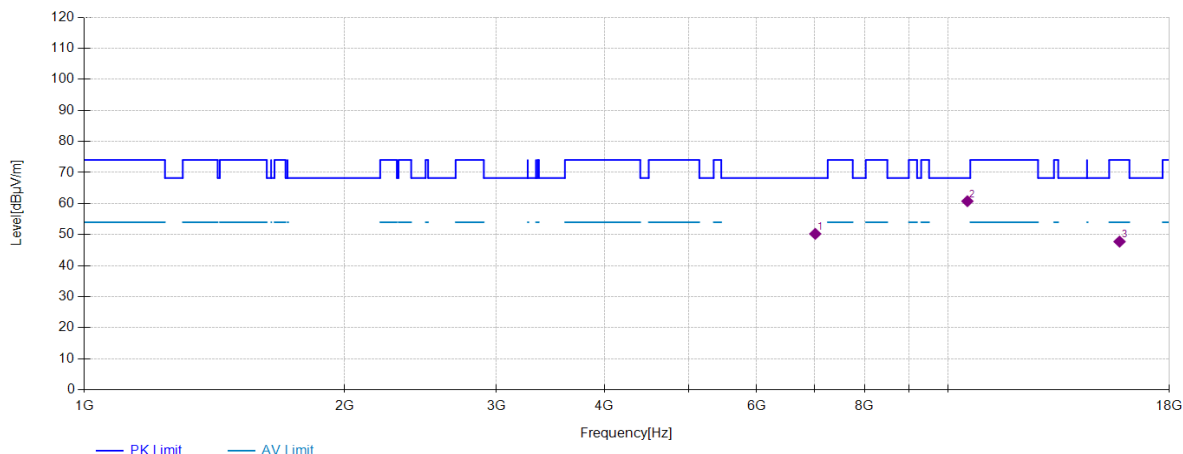
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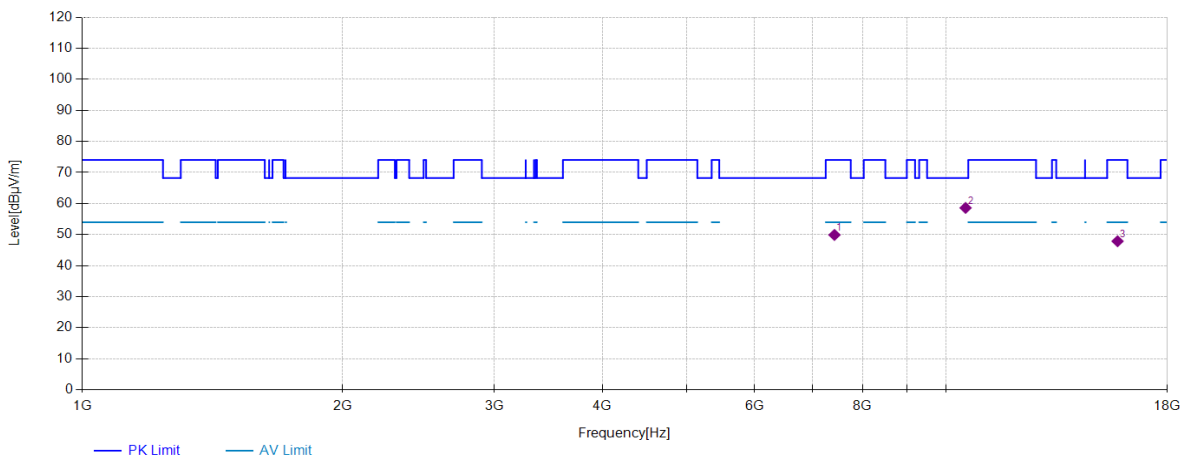
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7013.5	53.59	35.76	-39.12	50.23	68.20	17.97	Horizontal
2	10520	57.23	38.98	-35.46	60.75	68.20	7.45	Horizontal
3	15780	39.72	38.18	-30.16	47.74	74.00	26.26	Horizontal

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### 802.11a\_Channel 52



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7421.5	51.55	36.74	-38.40	49.89	74.00	24.11	Vertical
2	10524.5	55.06	39.00	-35.47	58.59	68.20	9.61	Vertical
3	15780	39.84	38.18	-30.16	47.86	74.00	26.14	Vertical

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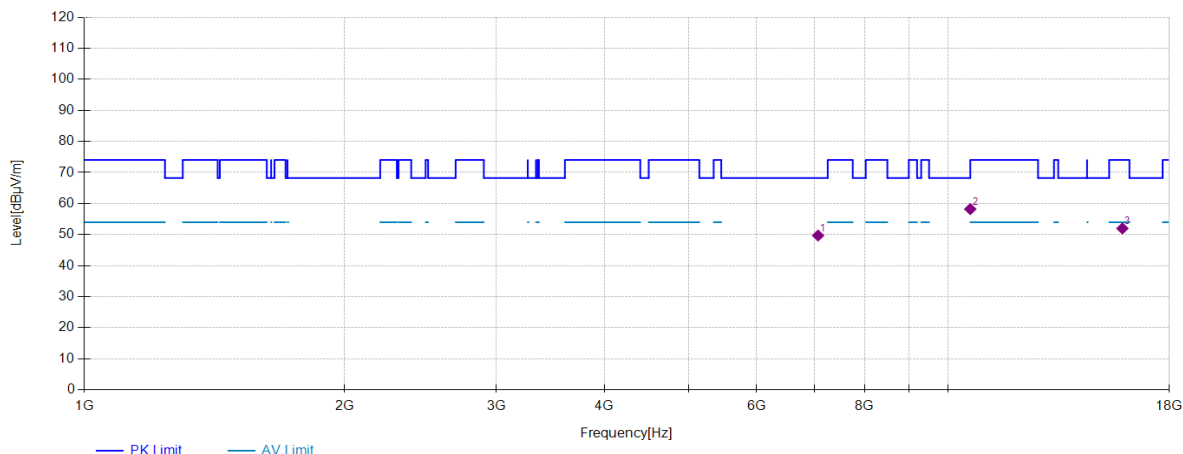
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11a\_Channel 60



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7066.5	52.85	36.10	-39.24	49.71	68.20	18.49	Horizontal
2	10601	54.31	39.30	-35.40	58.21	74.00	15.79	Horizontal
3	15900	43.48	37.70	-29.19	51.99	74.00	22.01	Horizontal

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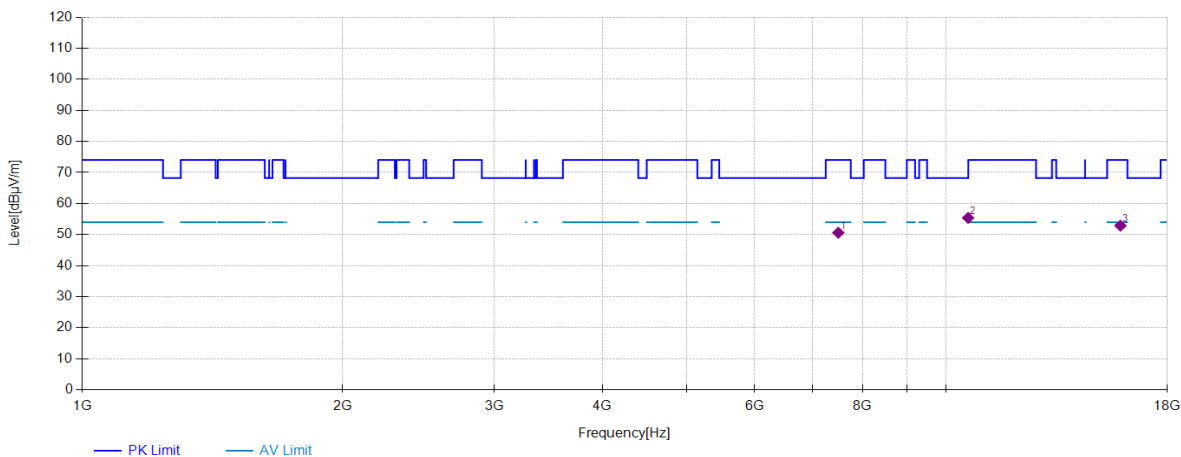
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802.11a\_Channel 60



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7498	52.22	36.90	-38.52	50.60	74.00	23.40	Vertical
2	10596.5	51.51	39.29	-35.41	55.39	68.20	12.81	Vertical
3	15900	44.36	37.70	-29.19	52.87	74.00	21.13	Vertical

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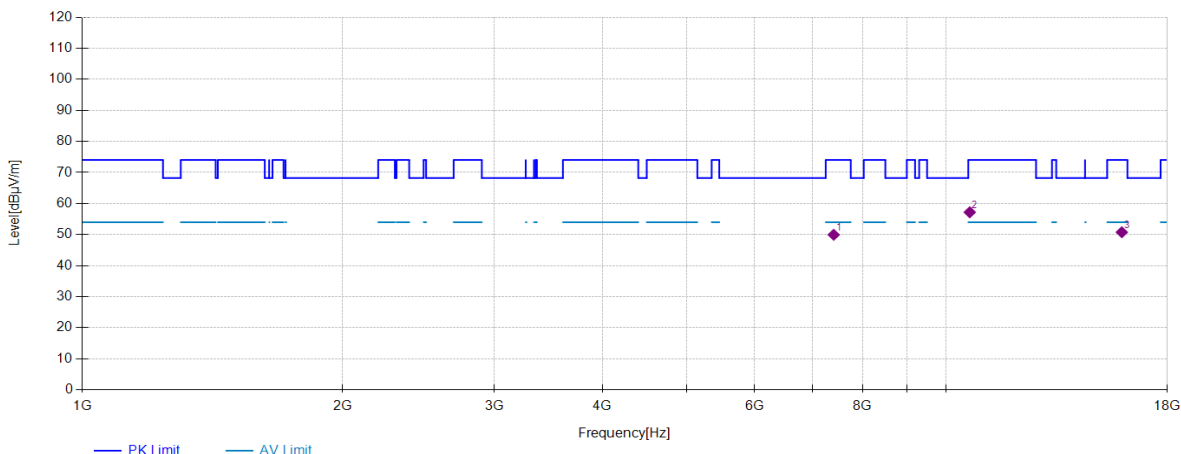
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## 802.11a\_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7406.5	51.71	36.71	-38.48	49.94	74.00	24.06	Horizontal
2	10643.5	53.24	39.39	-35.44	57.19	74.00	16.81	Horizontal
3	15960	42.35	37.82	-29.41	50.76	74.00	23.24	Horizontal

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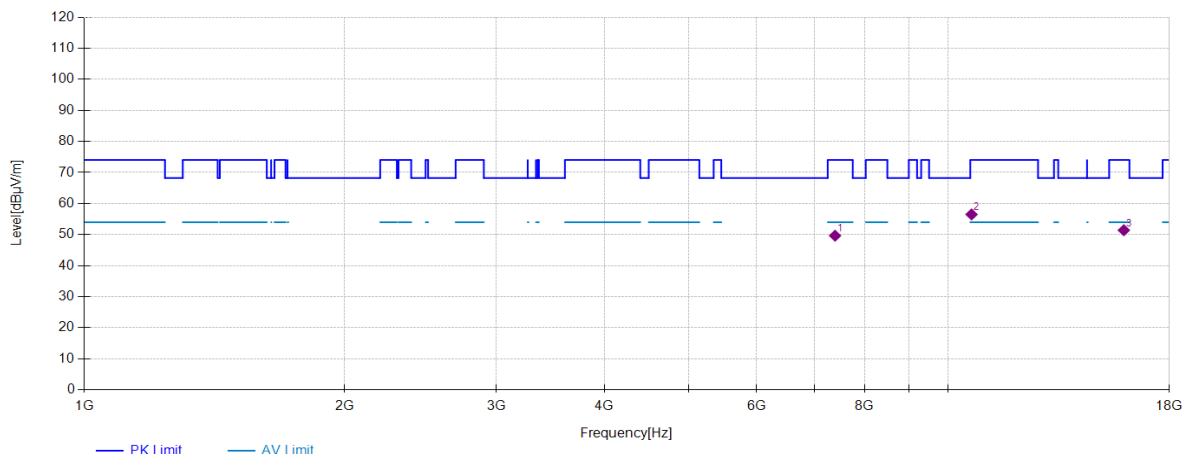
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## 802.11a\_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7393.5	51.51	36.67	-38.54	49.64	74.00	24.36	Vertical
2	10637	52.57	39.37	-35.44	56.50	74.00	17.50	Vertical
3	15960	42.99	37.82	-29.41	51.40	74.00	22.60	Vertical

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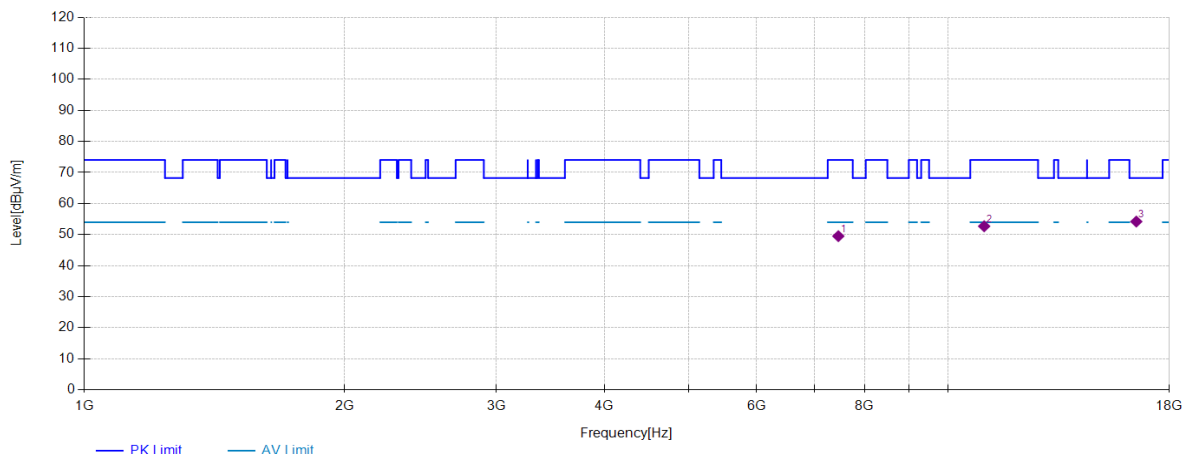
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## 802.11a\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7458.5	50.99	36.82	-38.30	49.51	74.00	24.49	Horizontal
2	11000	47.50	40.10	-34.91	52.69	74.00	21.31	Horizontal
3	16500	44.31	39.30	-29.41	54.20	68.20	14.00	Horizontal

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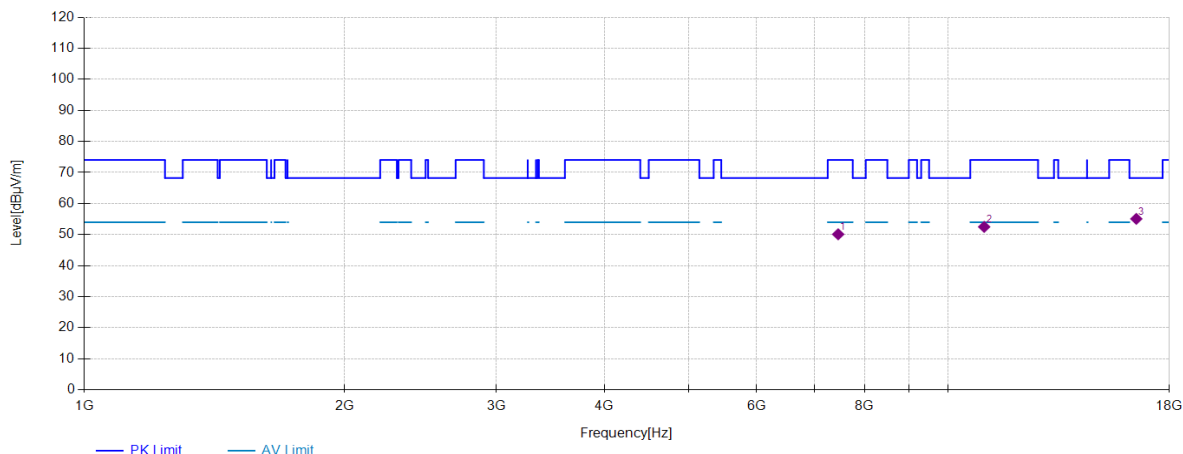
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## 802.11a\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7455	51.58	36.81	-38.28	50.11	74.00	23.89	Vertical
2	11000	47.30	40.10	-34.91	52.49	74.00	21.51	Vertical
3	16500	45.17	39.30	-29.41	55.06	68.20	13.14	Vertical

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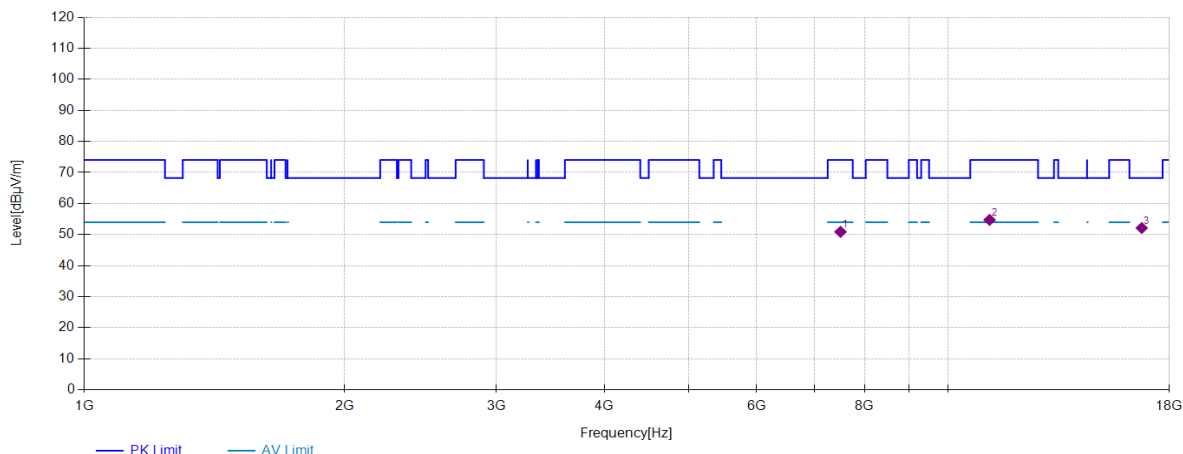
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## 802.11a\_Channel 116



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7502	52.54	36.88	-38.53	50.89	74.00	23.11	Horizontal
2	11160	50.14	40.20	-35.61	54.73	74.00	19.27	Horizontal
3	16740	44.68	39.48	-32.04	52.12	68.20	16.08	Horizontal

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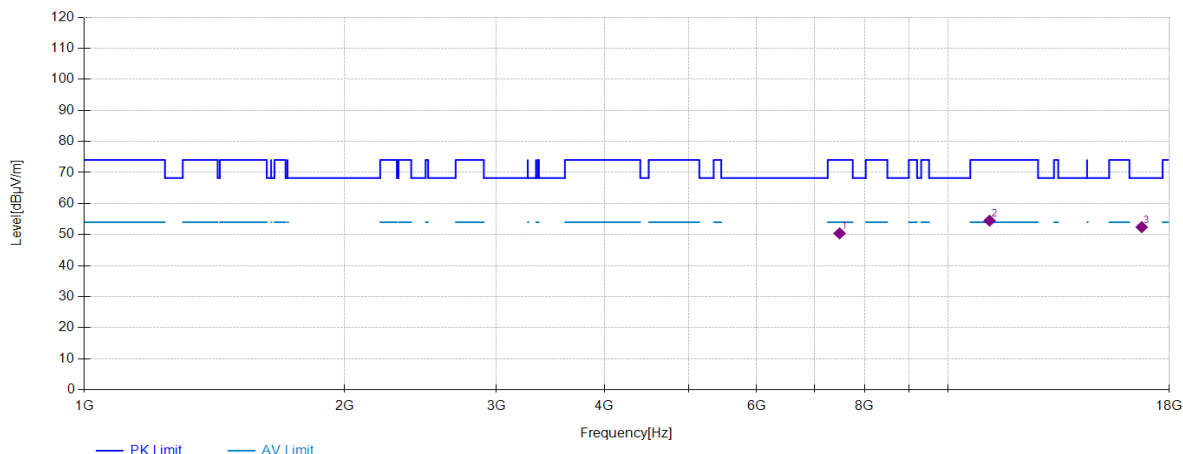
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## 802.11a\_Channel 116



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7483.5	51.98	36.87	-38.44	50.41	74.00	23.59	Vertical
2	11160	49.89	40.20	-35.61	54.48	74.00	19.52	Vertical
3	16740	44.97	39.48	-32.04	52.41	68.20	15.79	Vertical

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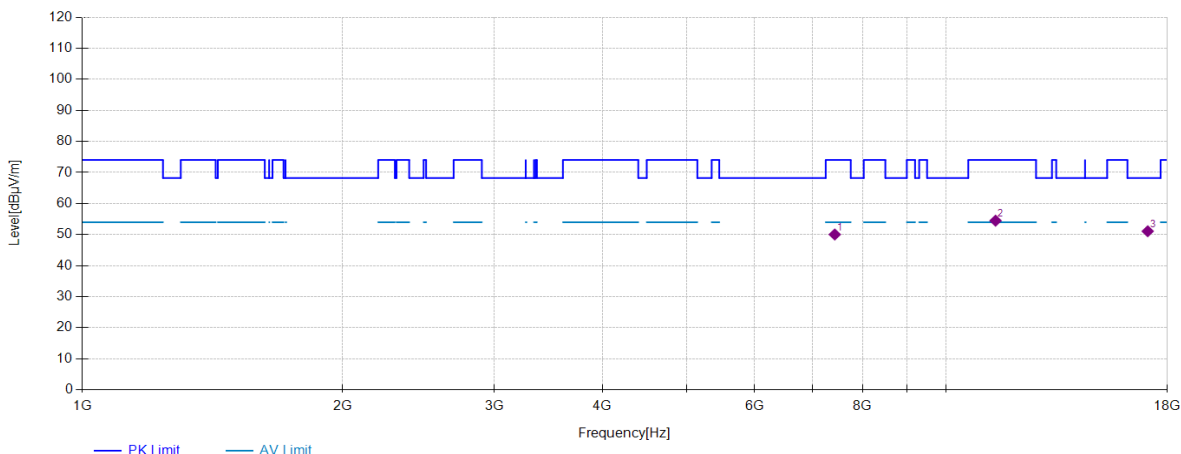
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## 802.11a\_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7427.5	51.64	36.76	-38.37	50.03	74.00	23.97	Horizontal
2	11400	49.34	40.30	-35.16	54.48	74.00	19.52	Horizontal
3	17100	43.85	42.10	-34.87	51.08	68.20	17.12	Horizontal

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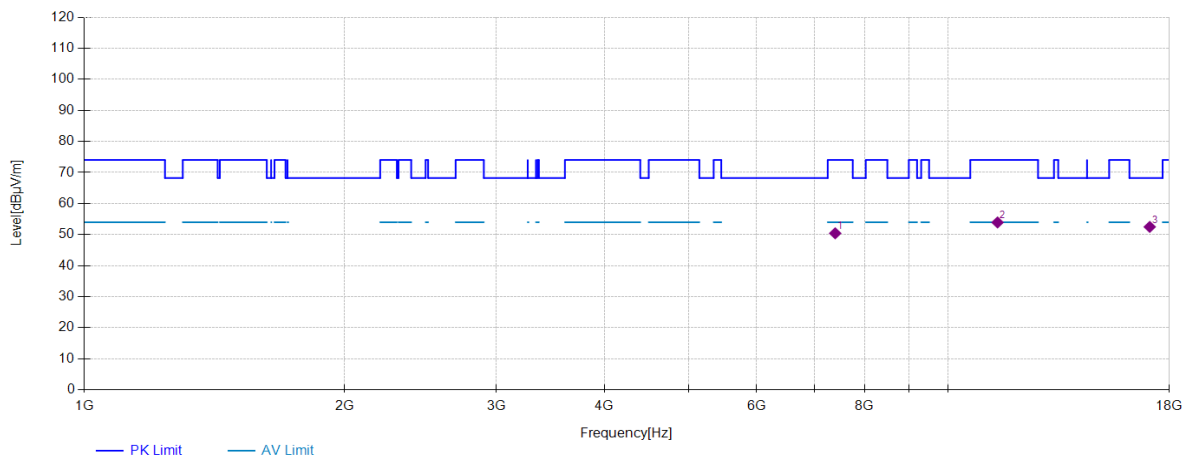




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802.11a\_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7396	52.27	36.68	-38.53	50.42	74.00	23.58	Vertical
2	11400	48.77	40.30	-35.16	53.91	74.00	20.09	Vertical
3	17100	45.25	42.10	-34.87	52.48	68.20	15.72	Vertical

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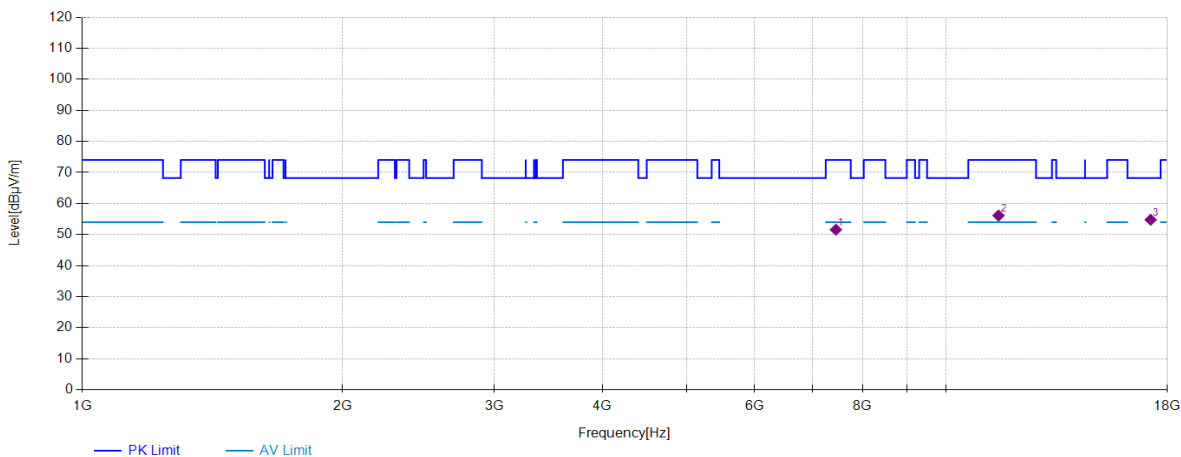
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802.11a\_Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7450	53.03	36.80	-38.25	51.58	74.00	22.42	Horizontal
2	11490	51.33	40.21	-35.41	56.13	74.00	17.87	Horizontal
3	17235	48.18	42.78	-36.19	54.77	68.20	13.43	Horizontal

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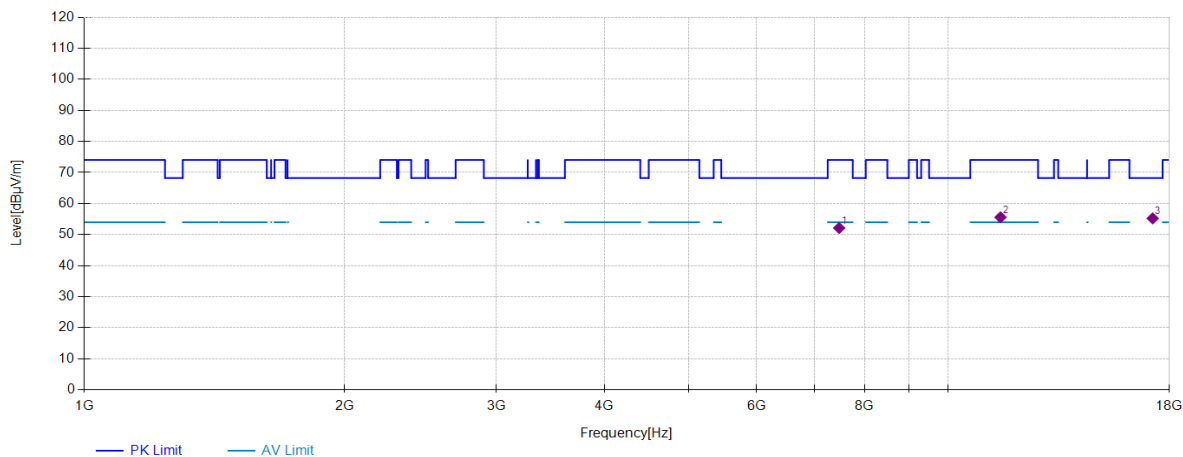
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## 802.11a\_Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7475	53.66	36.85	-38.39	52.12	74.00	21.88	Vertical
2	11490	50.78	40.21	-35.41	55.58	74.00	18.42	Vertical
3	17235	48.63	42.78	-36.19	55.22	68.20	12.98	Vertical

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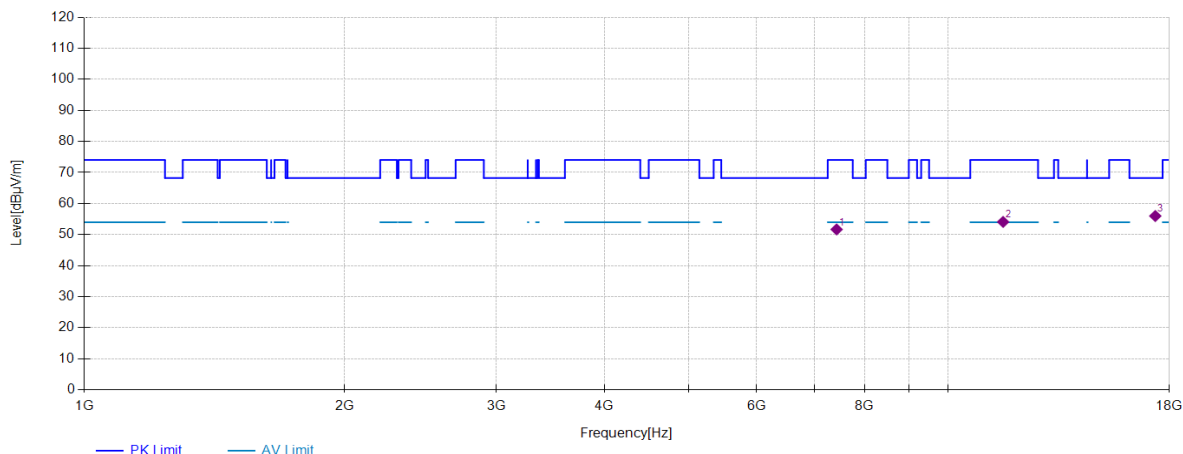
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## 802.11a\_Channel 157



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7424.5	53.31	36.75	-38.39	51.67	74.00	22.33	Horizontal
2	11570	49.07	40.27	-35.25	54.09	74.00	19.91	Horizontal
3	17355	49.36	43.96	-37.34	55.98	68.20	12.22	Horizontal

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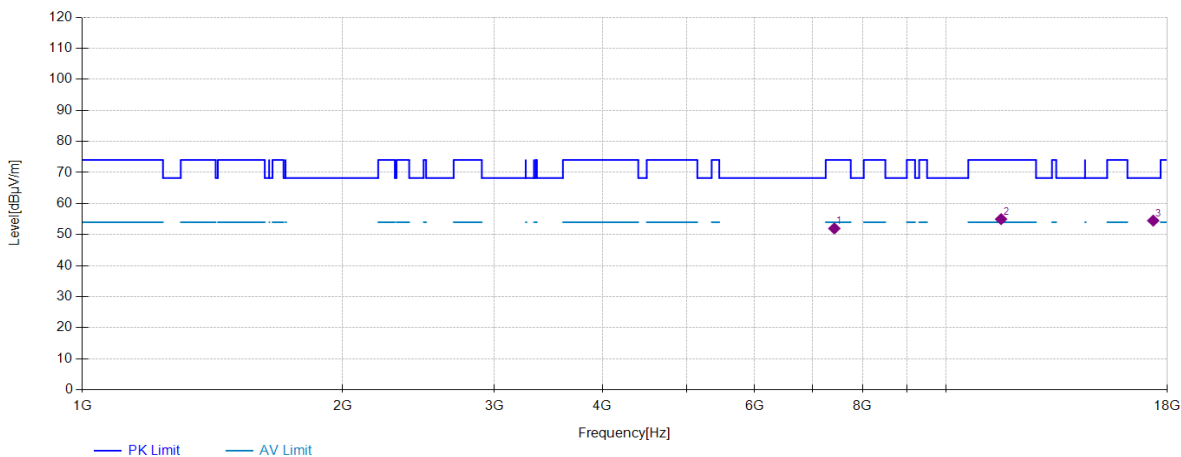
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802.11a\_Channel 157



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7419	53.66	36.74	-38.42	51.98	74.00	22.02	Vertical
2	11570	49.96	40.27	-35.25	54.98	74.00	19.02	Vertical
3	17355	47.88	43.96	-37.34	54.50	68.20	13.70	Vertical

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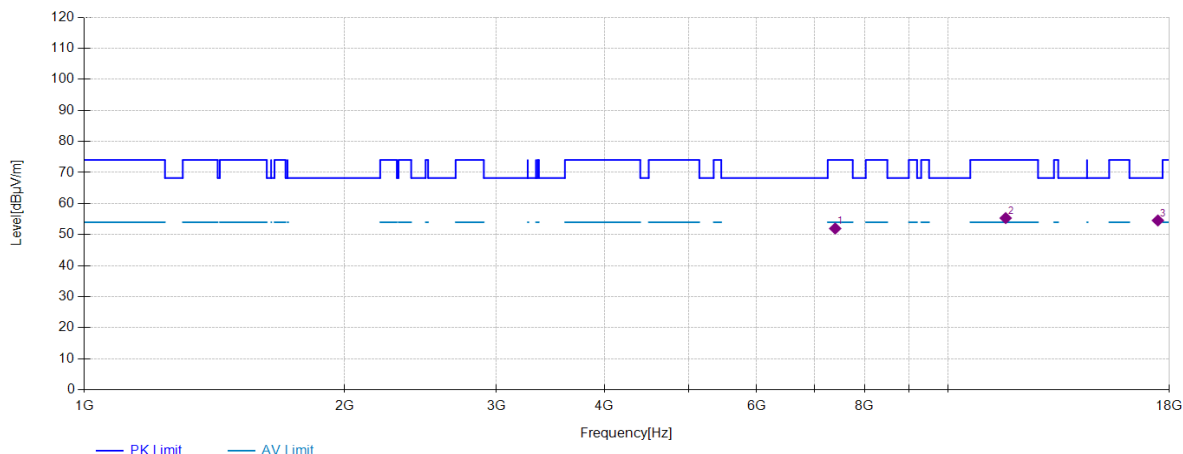
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## 802.11a\_Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7396.5	53.80	36.69	-38.53	51.96	74.00	22.04	Horizontal
2	11650	51.01	40.10	-35.79	55.32	74.00	18.68	Horizontal
3	17475	46.94	44.73	-37.12	54.55	68.20	13.65	Horizontal

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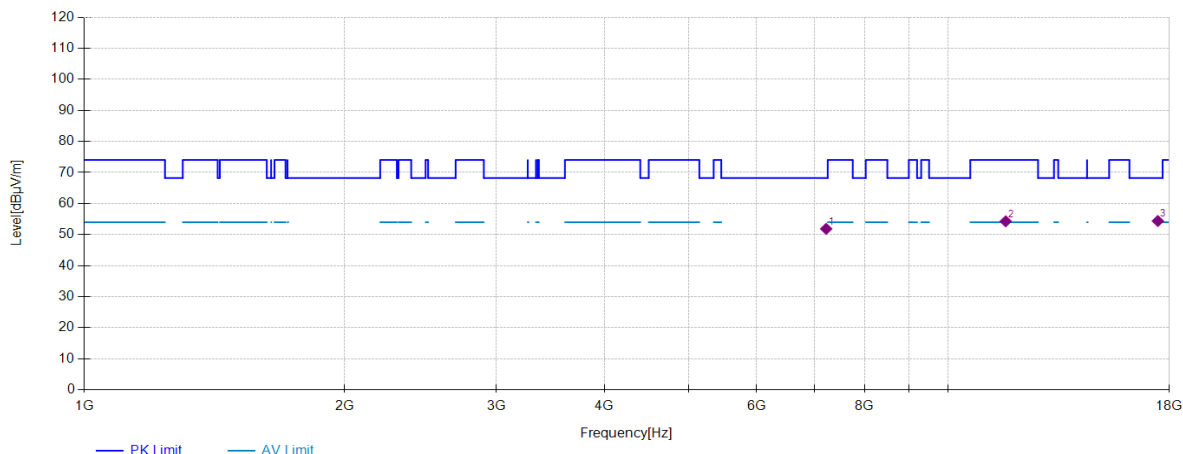
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## 802.11a\_Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7220.5	54.20	36.48	-38.83	51.85	68.20	16.35	Vertical
2	11650	49.96	40.10	-35.79	54.27	74.00	19.73	Vertical
3	17475	46.77	44.73	-37.12	54.38	68.20	13.82	Vertical

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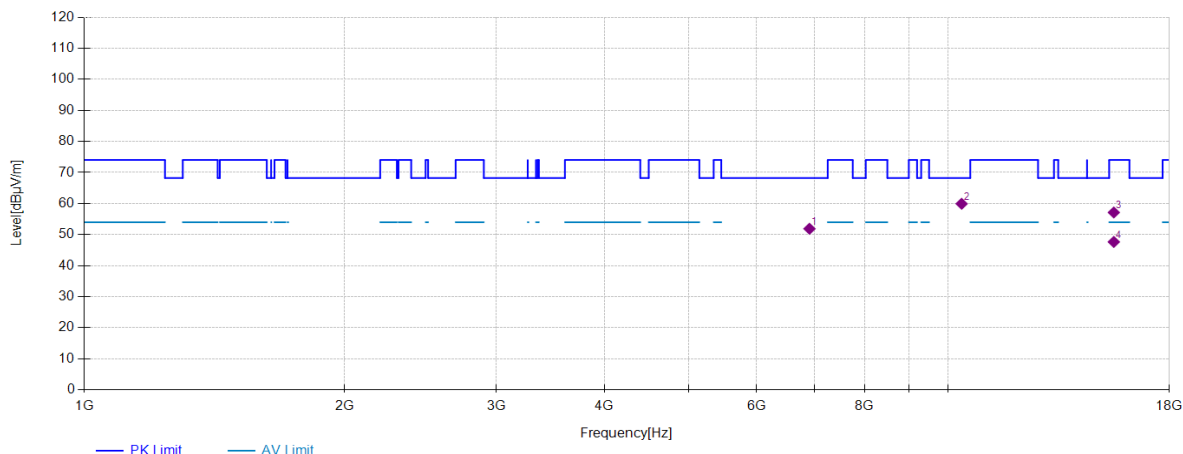
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## 802.11n20\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6906.5	56.22	35.39	-39.73	51.88	68.20	16.32	Horizontal
2	10359.5	56.30	39.16	-35.53	59.93	68.20	8.27	Horizontal
3	15540	47.18	38.74	-28.80	57.12	74.00	16.88	Horizontal
4	15540	37.71	38.74	-28.80	47.65	54.00	6.35	Horizontal

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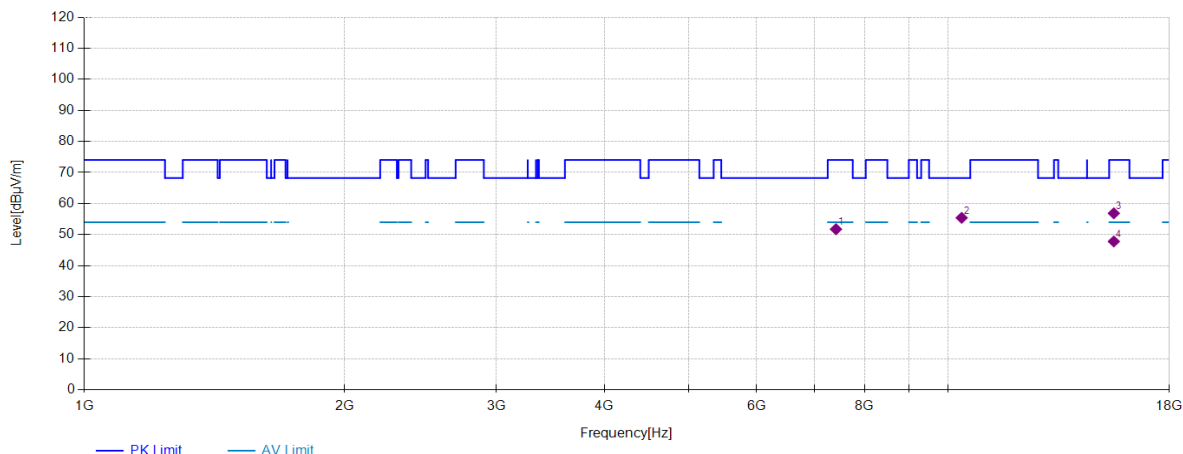
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## 802.11n20\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7412	53.47	36.72	-38.46	51.73	74.00	22.27	Vertical
2	10360	51.78	39.16	-35.53	55.41	68.20	12.79	Vertical
3	15540	46.91	38.74	-28.80	56.85	74.00	17.15	Vertical
4	15540	37.85	38.74	-28.80	47.79	54.00	6.21	Vertical

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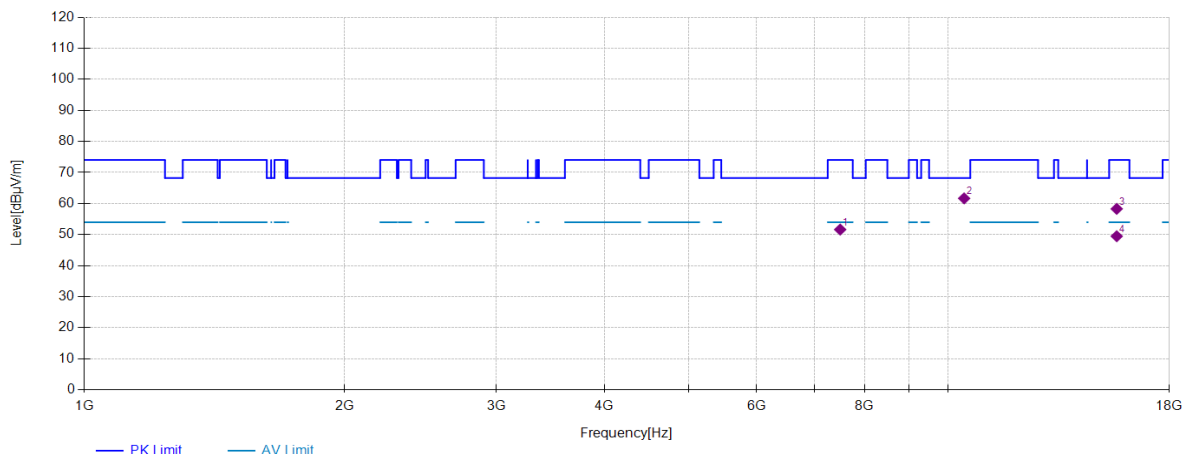
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## 802.11n20\_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7495.5	53.24	36.89	-38.50	51.63	74.00	22.37	Horizontal
2	10429	58.06	39.11	-35.51	61.66	68.20	6.54	Horizontal
3	15660	49.07	38.50	-29.29	58.28	74.00	15.72	Horizontal
4	15660	40.27	38.50	-29.29	49.48	54.00	4.52	Horizontal

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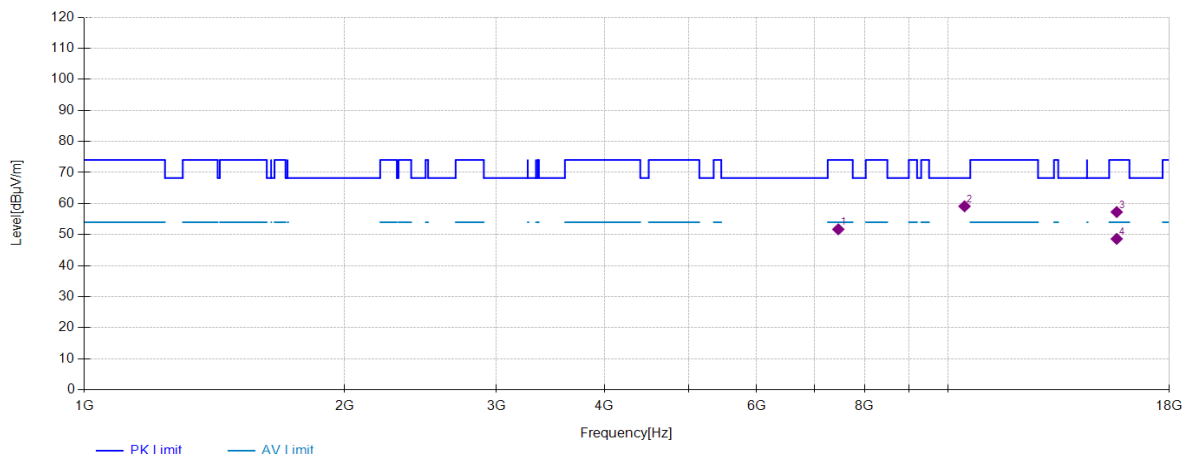
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## 802.11n20\_Channel 44



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7458	53.17	36.82	-38.29	51.70	74.00	22.30	Vertical
2	10439.5	55.60	39.08	-35.56	59.12	68.20	9.08	Vertical
3	15660	48.06	38.50	-29.29	57.27	74.00	16.73	Vertical
4	15660	39.42	38.50	-29.29	48.63	54.00	5.37	Vertical

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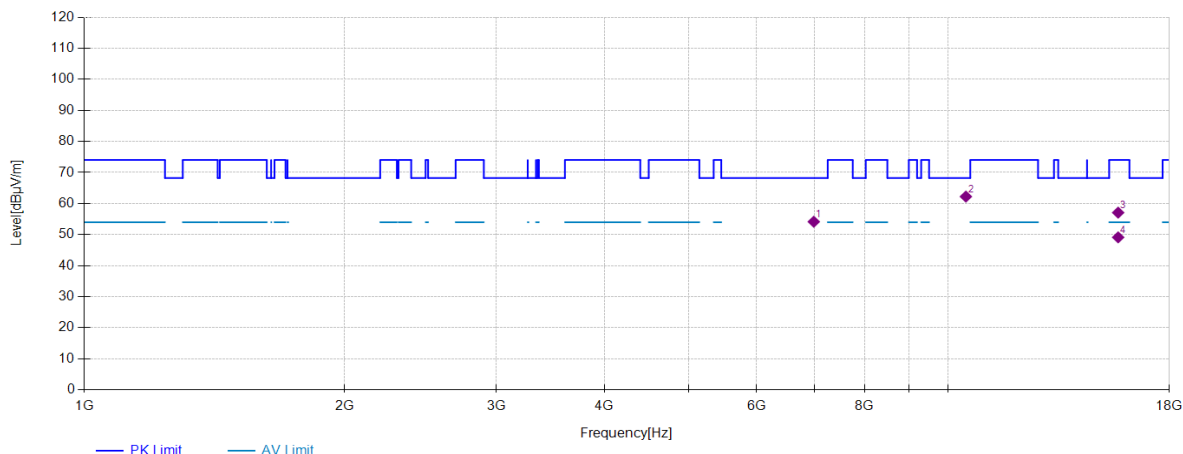
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## 802.11n20\_Channel 48



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6986.5	57.84	35.52	-39.21	54.15	68.20	14.05	Horizontal
2	10478.5	58.79	38.96	-35.51	62.24	68.20	5.96	Horizontal
3	15720	47.51	38.42	-28.86	57.07	74.00	16.93	Horizontal
4	15720	39.56	38.42	-28.86	49.12	54.00	4.88	Horizontal

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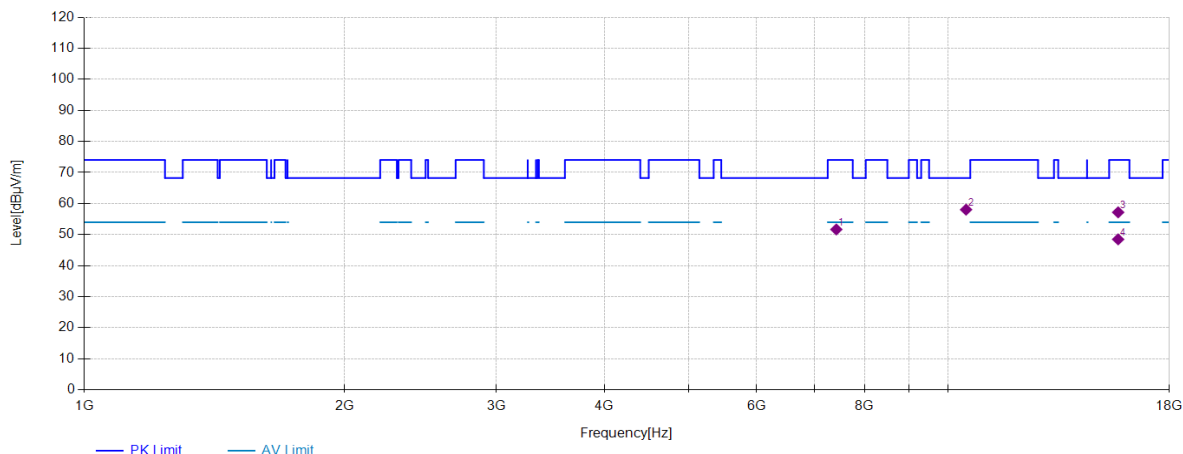
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## 802.11n20\_Channel 48



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7419	53.33	36.74	-38.42	51.65	74.00	22.35	Vertical
2	10483	54.58	38.95	-35.49	58.04	68.20	10.16	Vertical
3	15720	47.62	38.42	-28.86	57.18	74.00	16.82	Vertical
4	15720	38.91	38.42	-28.86	48.47	54.00	5.53	Vertical

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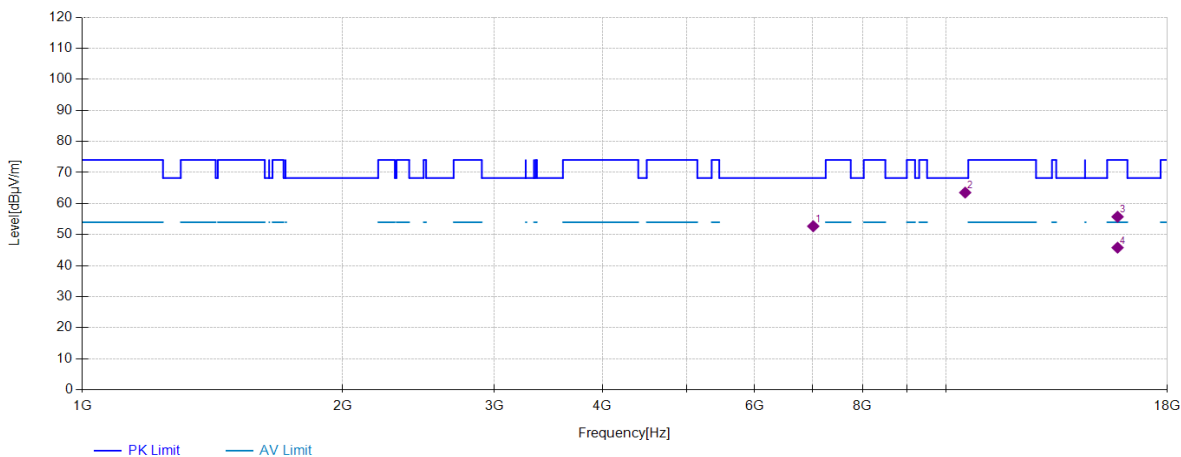
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802.11n20\_Channel 52



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7013.5	56.05	35.76	-39.12	52.69	68.20	15.51	Horizontal
2	10514	60.01	38.96	-35.45	63.52	68.20	4.68	Horizontal
3	15780	47.71	38.18	-30.16	55.73	74.00	18.27	Horizontal
4	15780	37.77	38.18	-30.16	45.79	54.00	8.21	Horizontal

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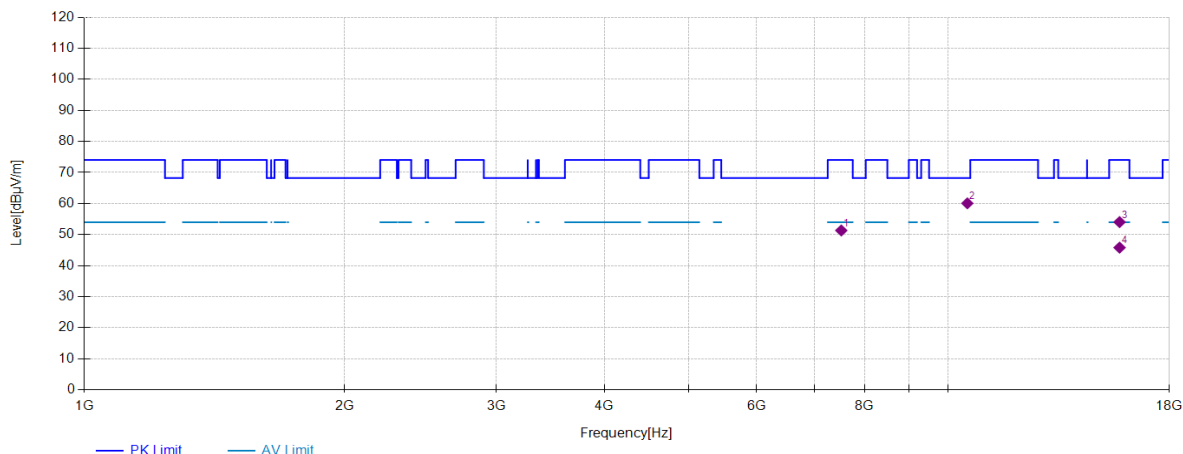
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## 802.11n20\_Channel 52



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7517.5	53.11	36.73	-38.51	51.33	74.00	22.67	Vertical
2	10518.5	56.55	38.97	-35.46	60.06	68.20	8.14	Vertical
3	15780	46.01	38.18	-30.16	54.03	74.00	19.97	Vertical
4	15780	37.78	38.18	-30.16	45.80	54.00	8.20	Vertical

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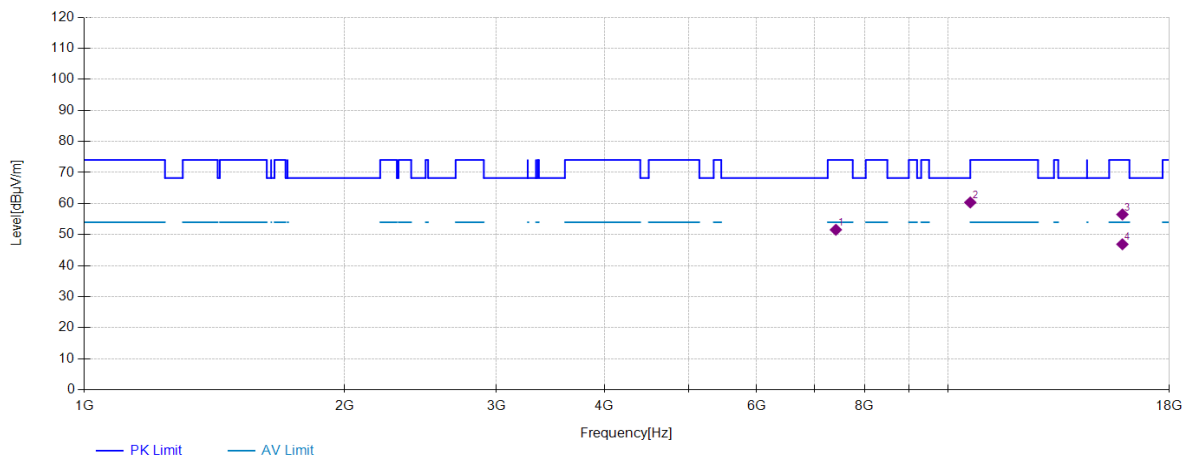
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802.11n20\_Channel 60



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7410	53.30	36.72	-38.47	51.55	74.00	22.45	Horizontal
2	10601	56.45	39.30	-35.40	60.35	74.00	13.65	Horizontal
3	15900	47.98	37.70	-29.19	56.49	74.00	17.51	Horizontal
4	15900	38.38	37.70	-29.19	46.89	54.00	7.11	Horizontal

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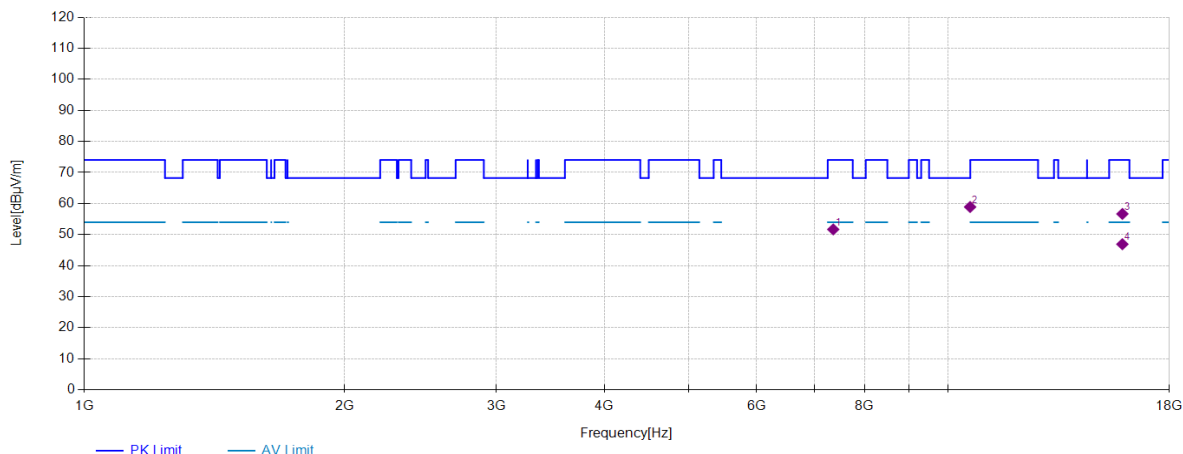
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n20\_Channel 60



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7358	53.79	36.53	-38.65	51.67	74.00	22.33	Vertical
2	10596.5	55.01	39.29	-35.41	58.89	68.20	9.31	Vertical
3	15900	48.15	37.70	-29.19	56.66	74.00	17.34	Vertical
4	15900	38.40	37.70	-29.19	46.91	54.00	7.09	Vertical

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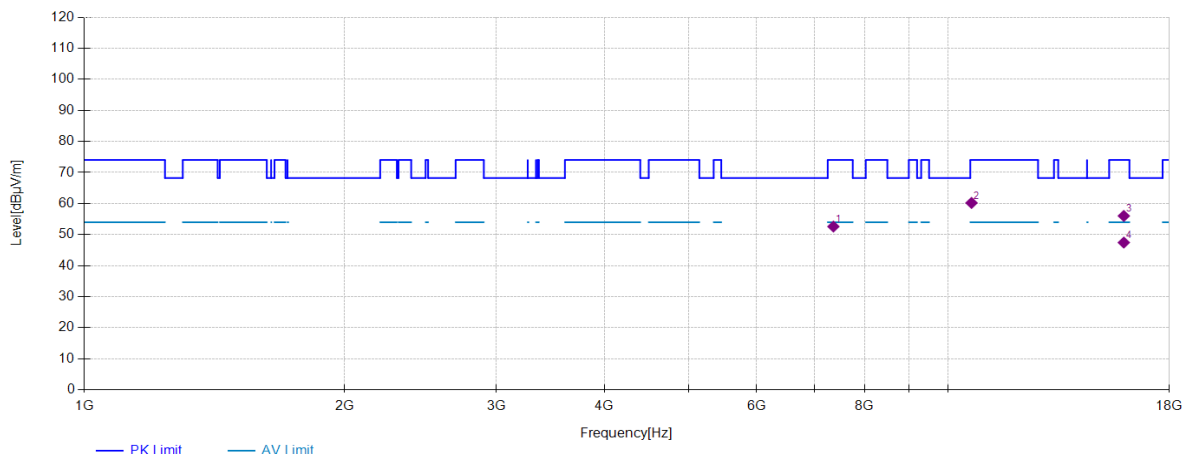
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n20\_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7361	54.69	36.54	-38.64	52.59	74.00	21.41	Horizontal
2	10636.5	56.27	39.37	-35.44	60.20	74.00	13.80	Horizontal
3	15960	47.60	37.82	-29.41	56.01	74.00	17.99	Horizontal
4	15960	39.03	37.82	-29.41	47.44	54.00	6.56	Horizontal

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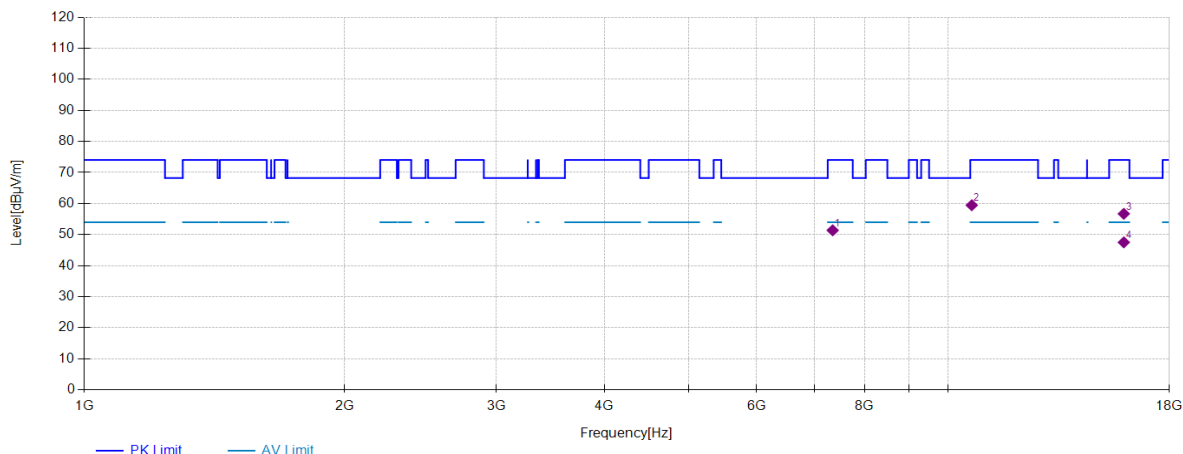
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n20\_Channel 64



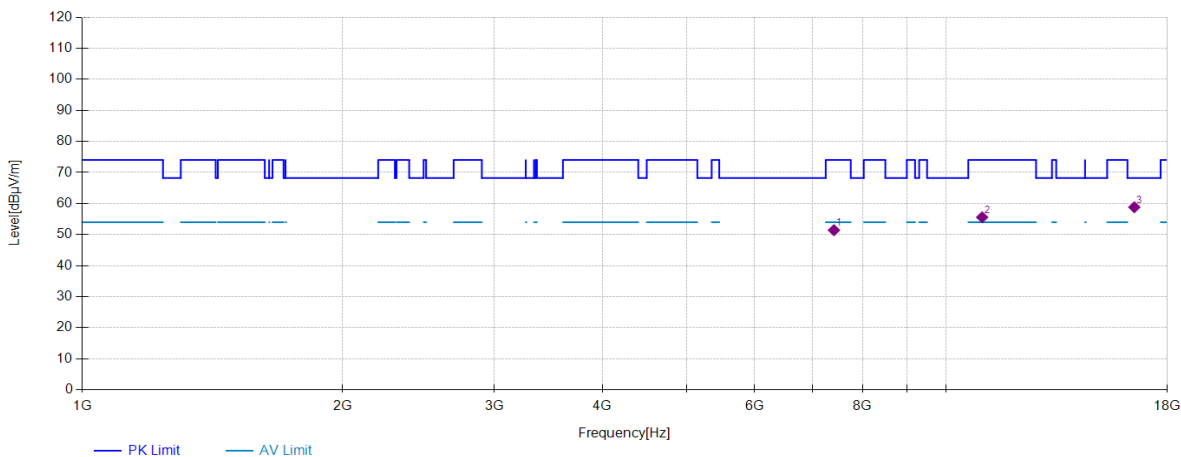
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7347	53.57	36.49	-38.68	51.38	74.00	22.62	Vertical
2	10643	55.50	39.39	-35.44	59.45	74.00	14.55	Vertical
3	15960	48.29	37.82	-29.41	56.70	74.00	17.30	Vertical
4	15960	39.10	37.82	-29.41	47.51	54.00	6.49	Vertical

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### 802.11n20\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7411	53.17	36.72	-38.46	51.43	74.00	22.57	Horizontal
2	11000	50.40	40.10	-34.91	55.59	74.00	18.41	Horizontal
3	16500	48.92	39.30	-29.41	58.81	68.20	9.39	Horizontal

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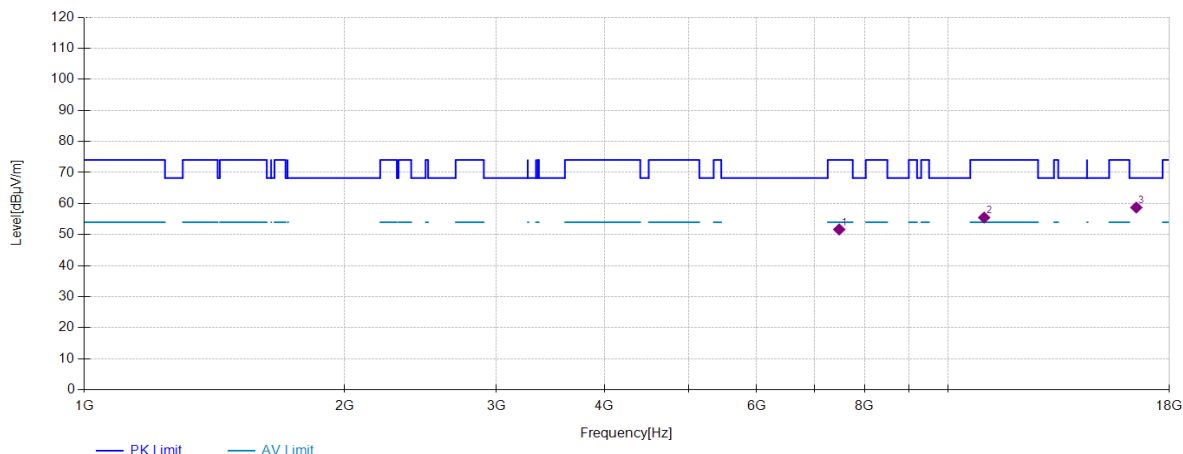
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## 802.11n20\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7476	53.20	36.85	-38.40	51.65	74.00	22.35	Vertical
2	11000	50.30	40.10	-34.91	55.49	74.00	18.51	Vertical
3	16500	48.82	39.30	-29.41	58.71	68.20	9.49	Vertical

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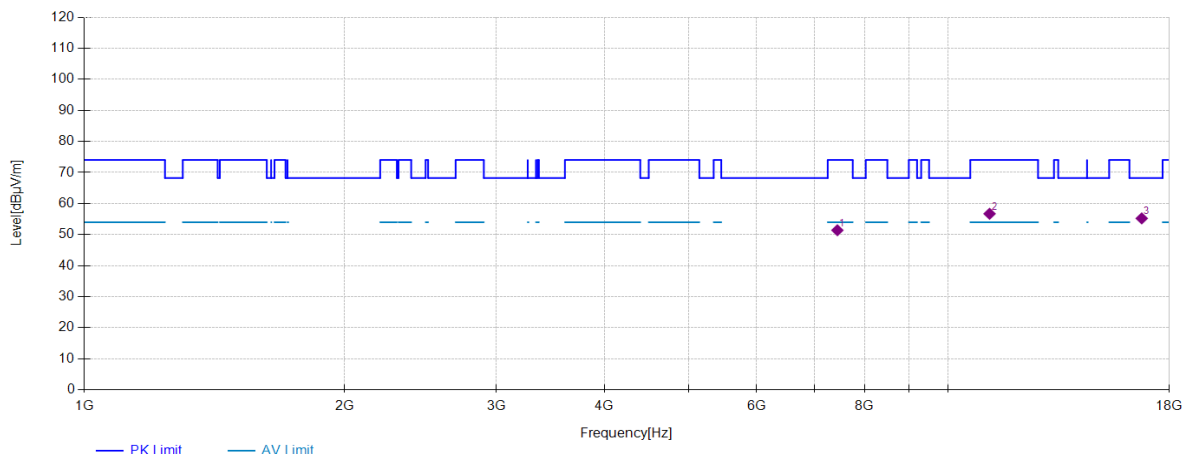
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## 802.11n20\_Channel 116



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7439.5	52.93	36.78	-38.31	51.40	74.00	22.60	Horizontal
2	11160	52.12	40.20	-35.61	56.71	74.00	17.29	Horizontal
3	16740	47.78	39.48	-32.04	55.22	68.20	12.98	Horizontal

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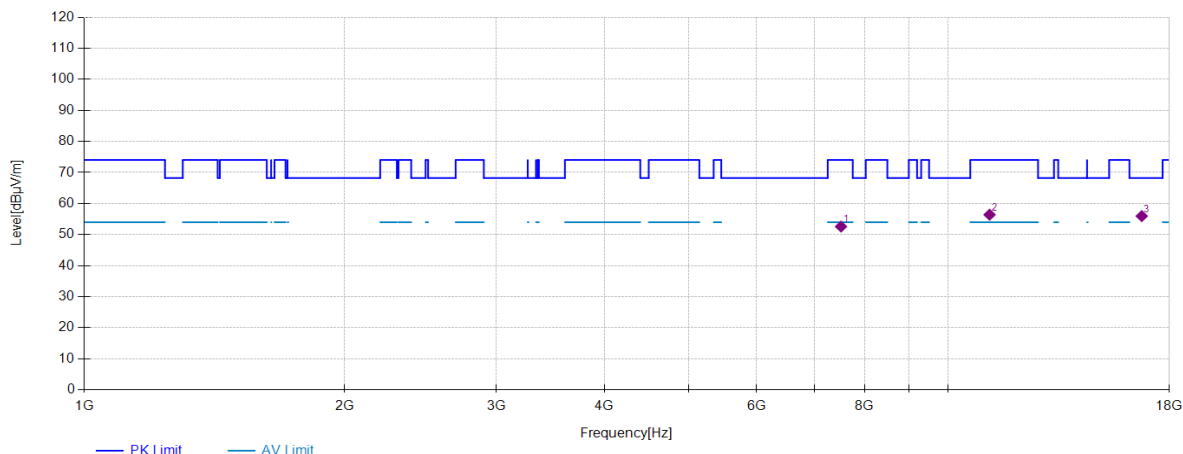
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## 802.11n20\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7512	54.32	36.78	-38.52	52.58	74.00	21.42	Vertical
2	11160	51.81	40.20	-35.61	56.40	74.00	17.60	Vertical
3	16740	48.51	39.48	-32.04	55.95	68.20	12.25	Vertical

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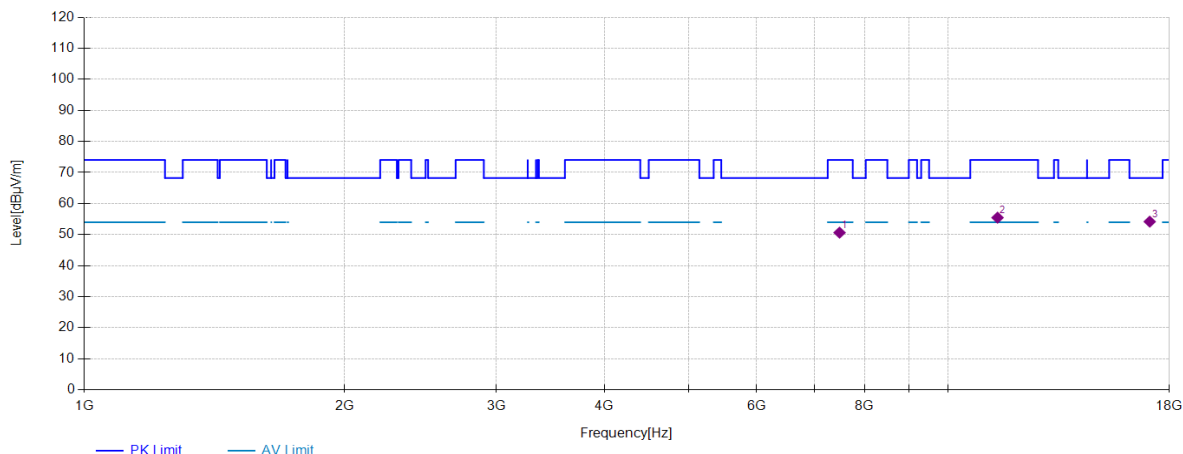
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## 802.11n20\_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7483	52.19	36.87	-38.43	50.63	74.00	23.37	Horizontal
2	11400	50.32	40.30	-35.16	55.46	74.00	18.54	Horizontal
3	17100	46.94	42.10	-34.87	54.17	68.20	14.03	Horizontal

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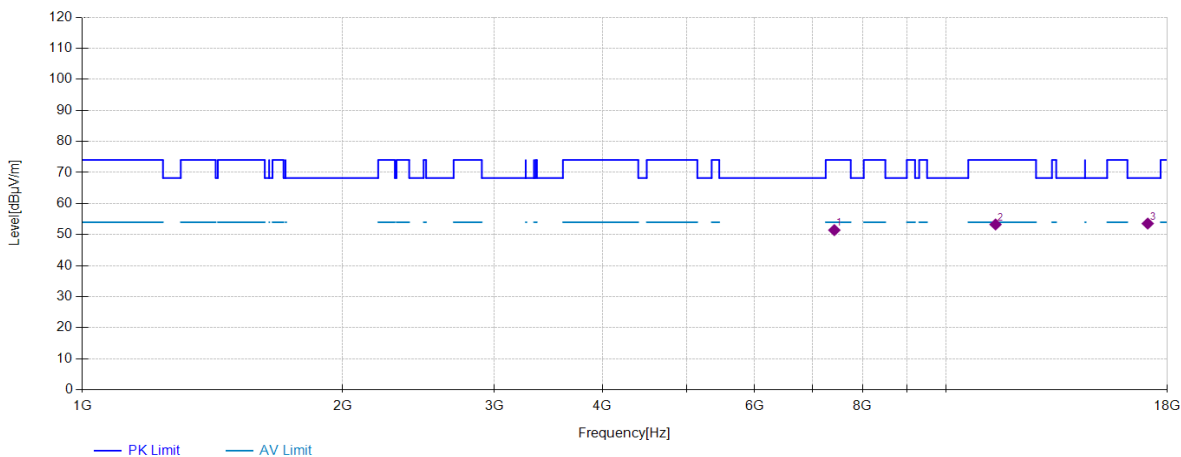
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802.11n20\_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7418.5	53.12	36.74	-38.42	51.44	74.00	22.56	Vertical
2	11400	48.13	40.30	-35.16	53.27	74.00	20.73	Vertical
3	17100	46.32	42.10	-34.87	53.55	68.20	14.65	Vertical

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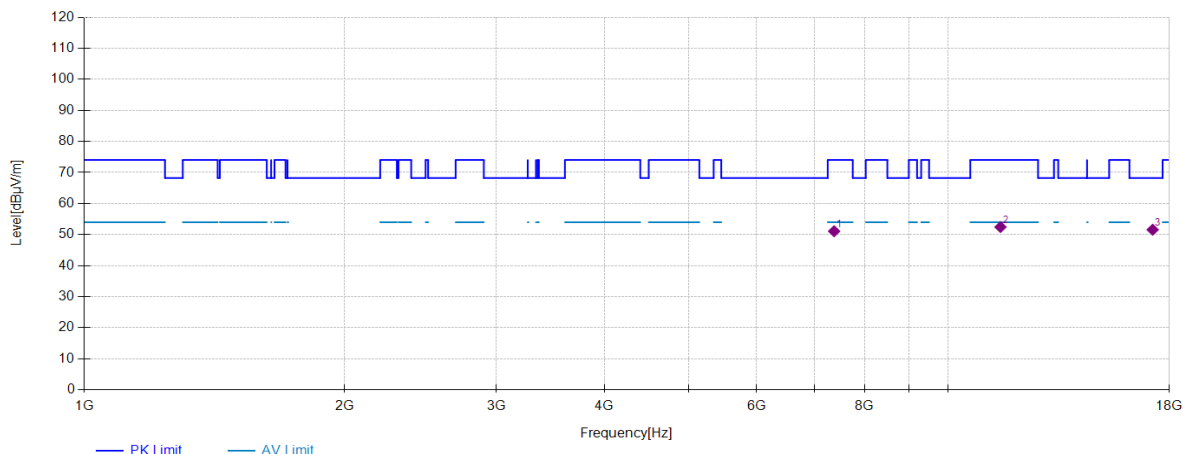
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## 802.11n20\_Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7375.5	53.08	36.60	-38.59	51.09	74.00	22.91	Horizontal
2	11490	47.64	40.21	-35.41	52.44	74.00	21.56	Horizontal
3	17235	44.99	42.78	-36.19	51.58	68.20	16.62	Horizontal

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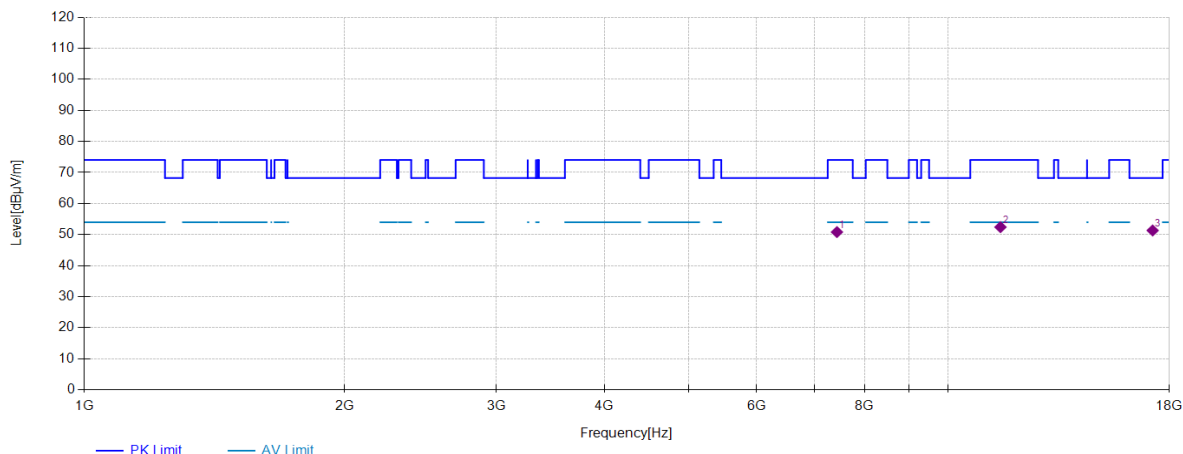
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## 802.11n20\_Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7431	52.41	36.76	-38.35	50.82	74.00	23.18	Vertical
2	11490	47.61	40.21	-35.41	52.41	74.00	21.59	Vertical
3	17235	44.74	42.78	-36.19	51.33	68.20	16.87	Vertical

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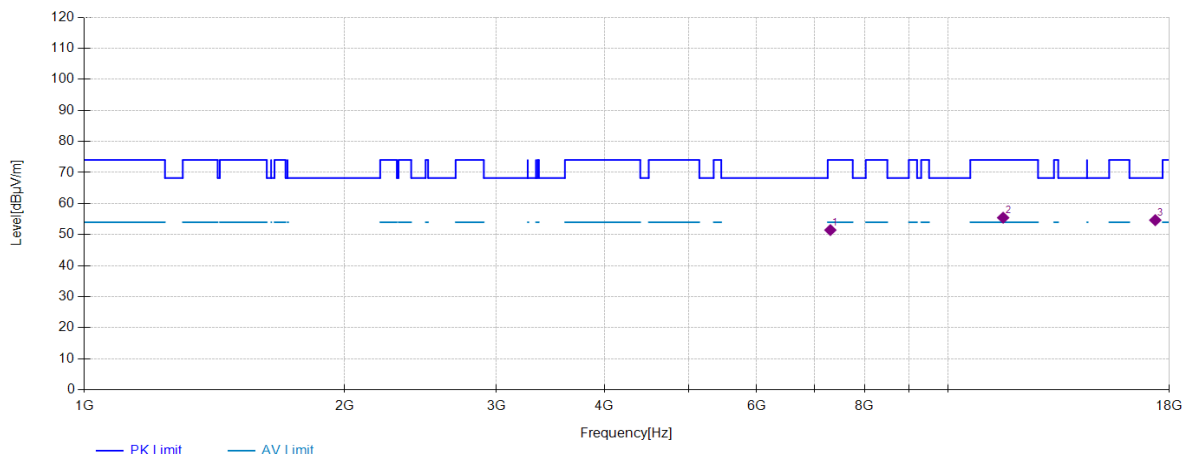
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## 802.11n20\_Channel 157



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7302	53.89	36.40	-38.84	51.45	74.00	22.55	Horizontal
2	11570	50.42	40.27	-35.25	55.44	74.00	18.56	Horizontal
3	17355	48.03	43.96	-37.34	54.65	68.20	13.55	Horizontal

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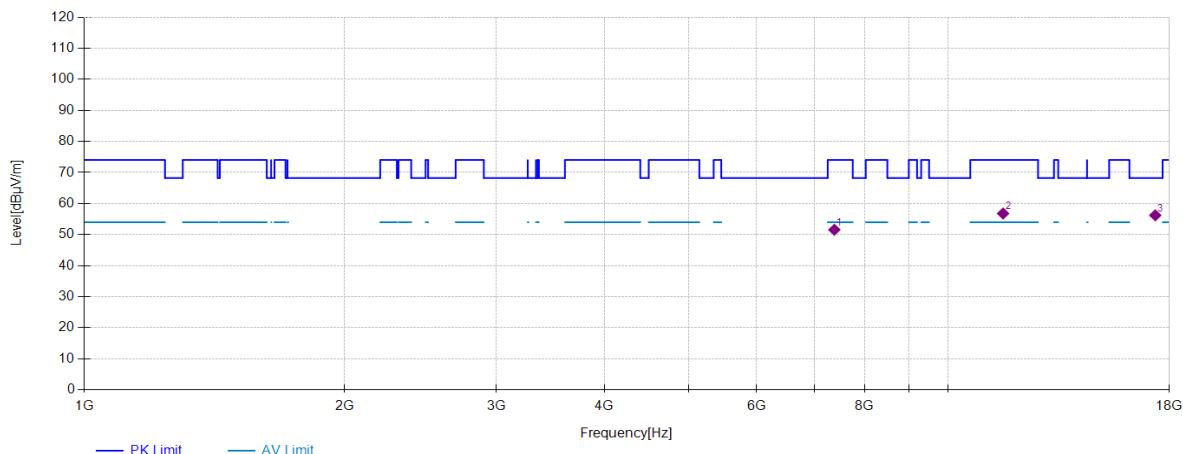
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## 802.11n20\_Channel 157



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7379.5	53.51	36.62	-38.58	51.55	74.00	22.45	Vertical
2	11570	51.77	40.27	-35.25	56.79	74.00	17.21	Vertical
3	17355	49.59	43.96	-37.34	56.21	68.20	11.99	Vertical

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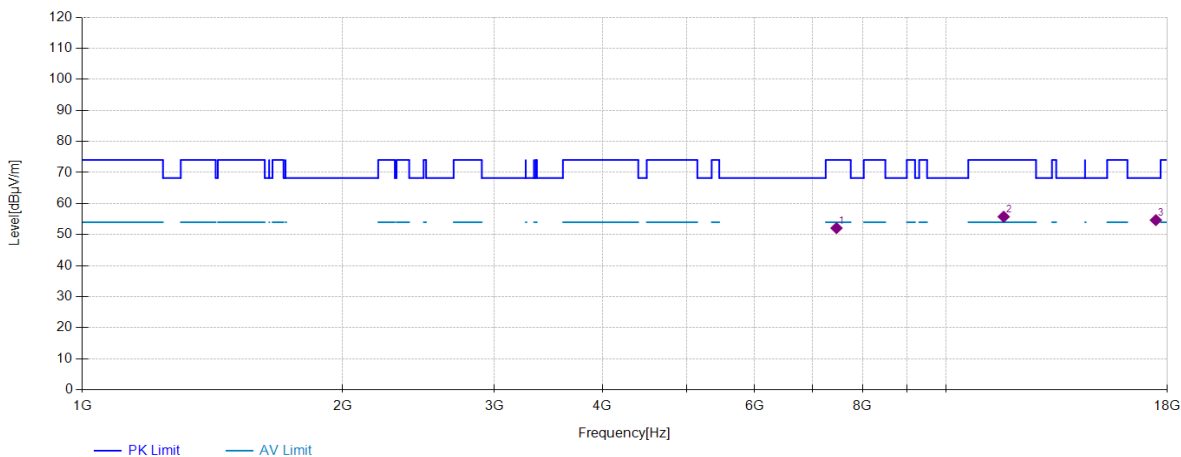
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802.11n20\_Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7462	53.60	36.82	-38.32	52.10	74.00	21.90	Horizontal
2	11650	51.45	40.10	-35.79	55.76	74.00	18.24	Horizontal
3	17475	47.05	44.73	-37.12	54.66	68.20	13.54	Horizontal

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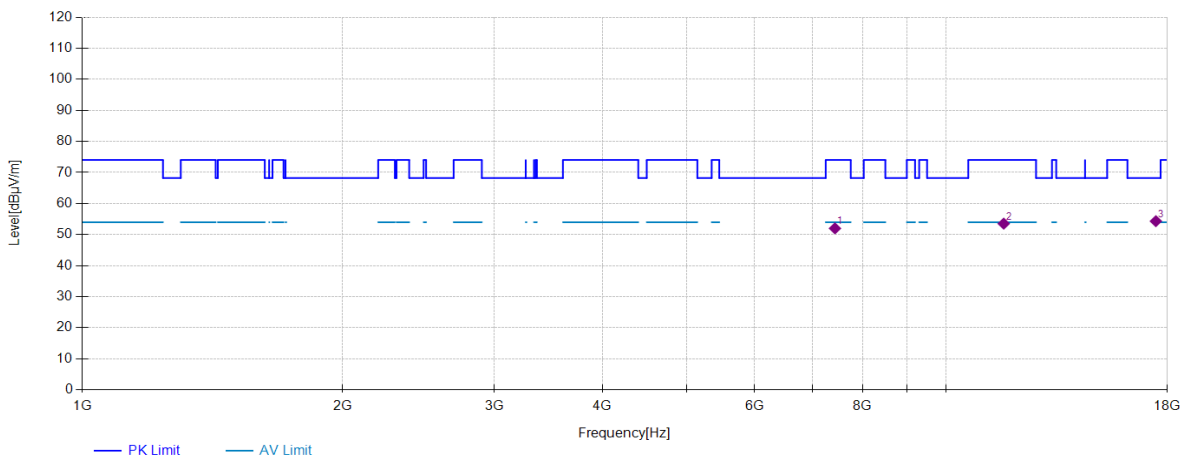




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802.11n20\_Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7431	53.59	36.76	-38.35	52.00	74.00	22.00	Vertical
2	11650	49.22	40.10	-35.79	53.53	74.00	20.47	Vertical
3	17475	46.71	44.73	-37.12	54.32	68.20	13.88	Vertical

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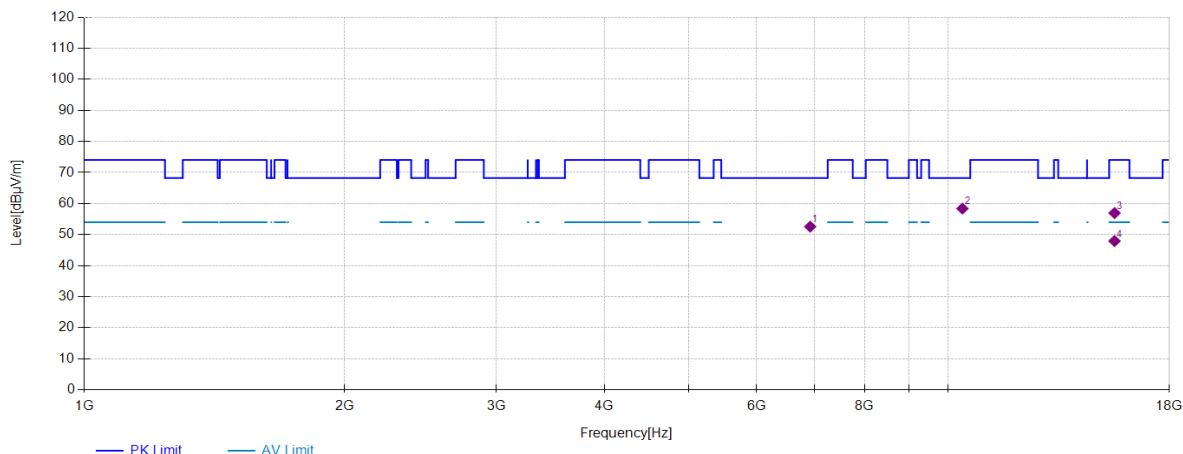
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n40\_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	6920	56.88	35.36	-39.68	52.56	68.20	15.64	Horizontal
2	10381	54.63	39.18	-35.44	58.37	68.20	9.83	Horizontal
3	15570	47.65	38.62	-29.33	56.94	74.00	17.06	Horizontal
4	15570	38.64	38.62	-29.33	47.93	54.00	6.07	Horizontal

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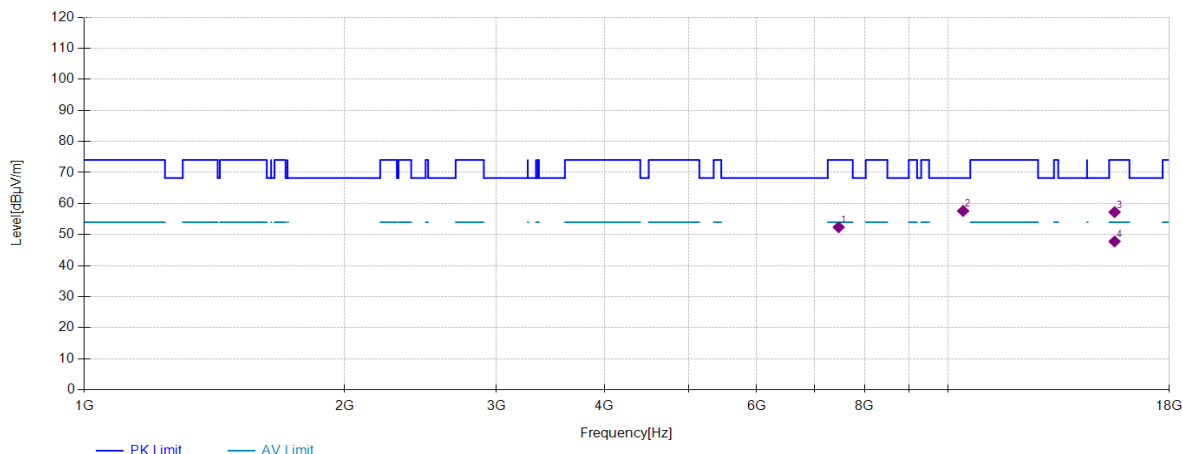
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## 802.11n40\_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7465	53.88	36.83	-38.33	52.38	74.00	21.62	Vertical
2	10401	53.78	39.20	-35.37	57.61	68.20	10.59	Vertical
3	15570	47.95	38.62	-29.33	57.24	74.00	16.76	Vertical
4	15570	38.50	38.62	-29.33	47.79	54.00	6.21	Vertical

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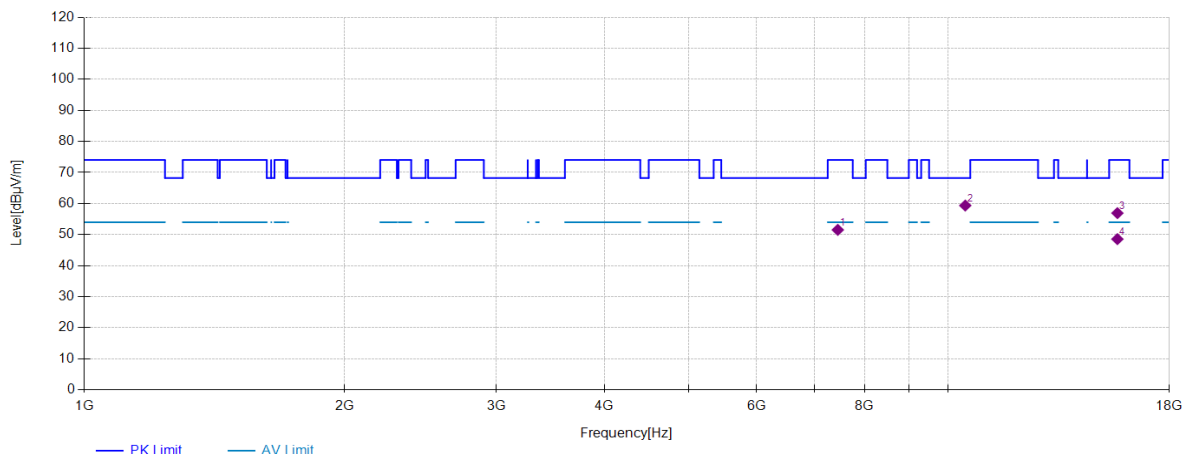
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## 802.11n40\_Channel 46



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7448	52.99	36.80	-38.26	51.53	74.00	22.47	Horizontal
2	10460	55.91	39.02	-35.57	59.36	68.20	8.84	Horizontal
3	15690	47.08	38.50	-28.66	56.92	74.00	17.08	Horizontal
4	15690	38.71	38.50	-28.66	48.55	54.00	5.45	Horizontal

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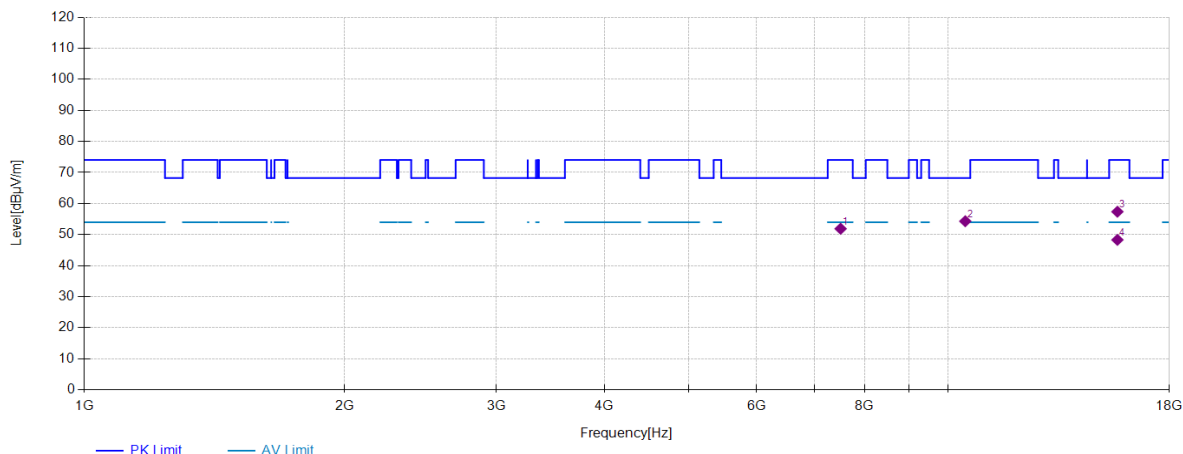
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## 802.11n40\_Channel 46



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7504	53.57	36.86	-38.53	51.90	74.00	22.10	Vertical
2	10460	50.86	39.02	-35.57	54.31	68.20	13.89	Vertical
3	15690	47.53	38.50	-28.66	57.37	74.00	16.63	Vertical
4	15690	38.47	38.50	-28.66	48.31	54.00	5.69	Vertical

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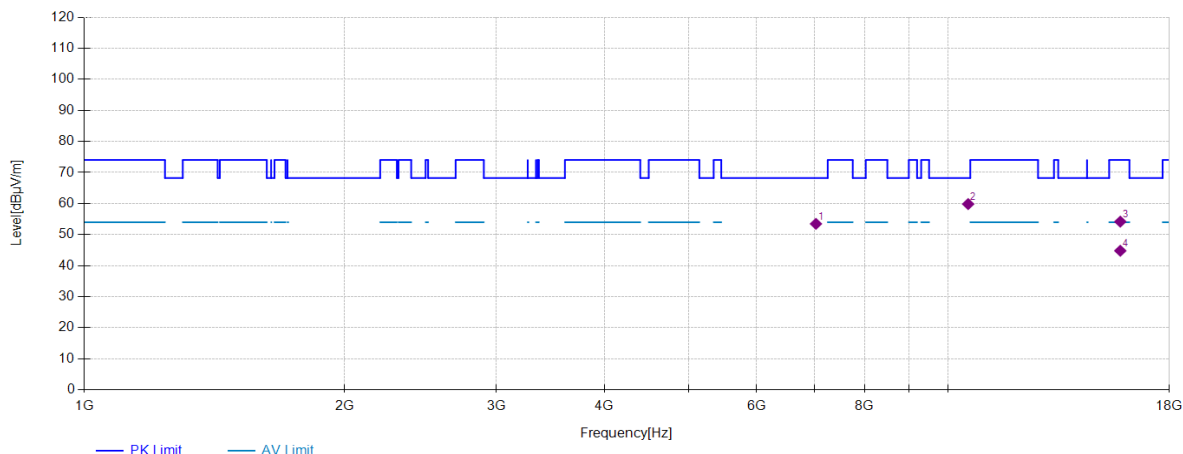
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## 802.11n40\_Channel 54



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7026.5	56.70	35.92	-39.15	53.47	68.20	14.73	Horizontal
2	10541	56.28	39.06	-35.50	59.84	68.20	8.36	Horizontal
3	15810	46.51	38.06	-30.40	54.17	74.00	19.83	Horizontal
4	15810	37.14	38.06	-30.40	44.80	54.00	9.20	Horizontal

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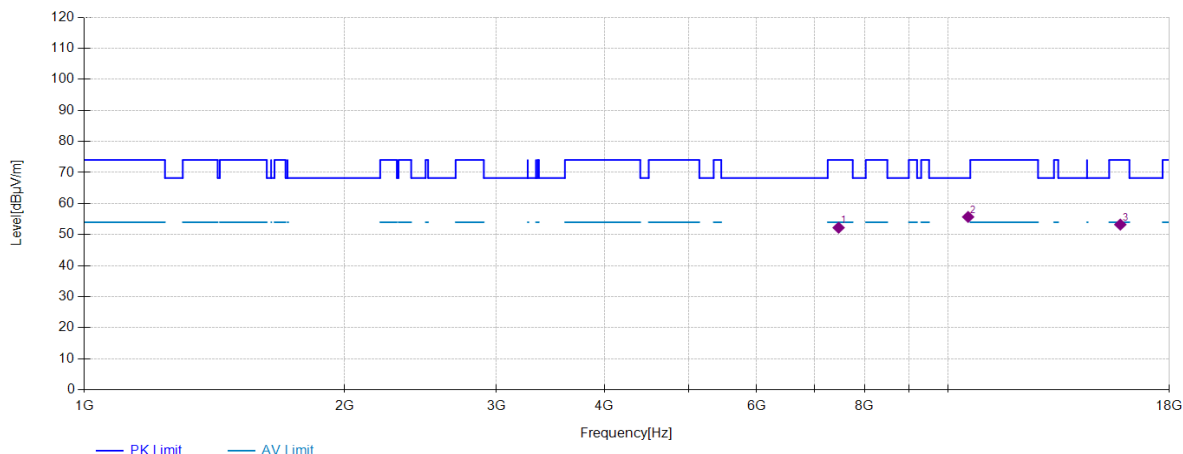
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## 802.11n40\_Channel 54



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7464	53.72	36.83	-38.33	52.22	74.00	21.78	Vertical
2	10540	52.12	39.06	-35.49	55.69	68.20	12.51	Vertical
3	15810	45.57	38.06	-30.40	53.23	74.00	20.77	Vertical

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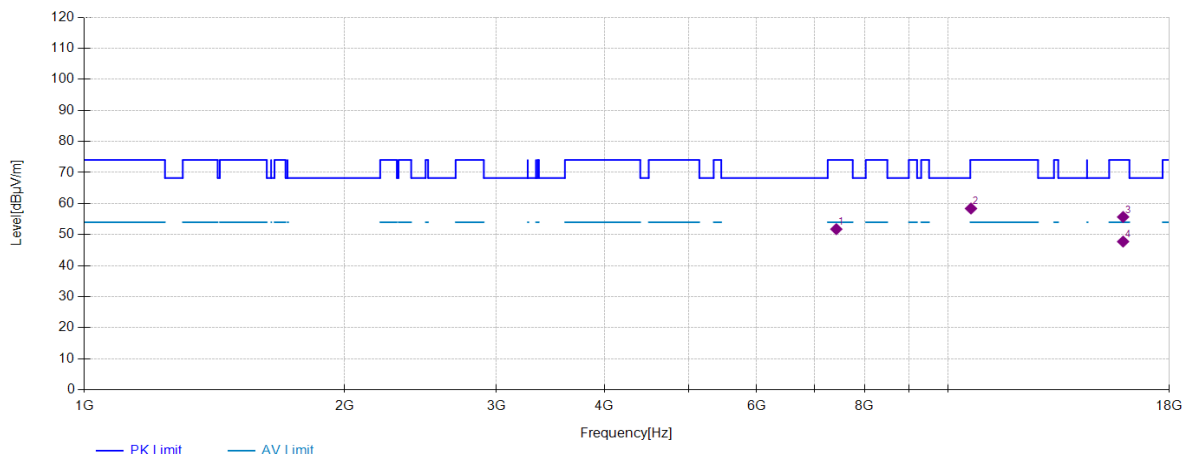
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## 802.11n40\_Channel 62



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7419	53.44	36.74	-38.42	51.76	74.00	22.24	Horizontal
2	10621	54.48	39.34	-35.42	58.40	74.00	15.60	Horizontal
3	15930	47.27	37.76	-29.35	55.68	74.00	18.32	Horizontal
4	15930	39.34	37.76	-29.35	47.75	54.00	6.25	Horizontal

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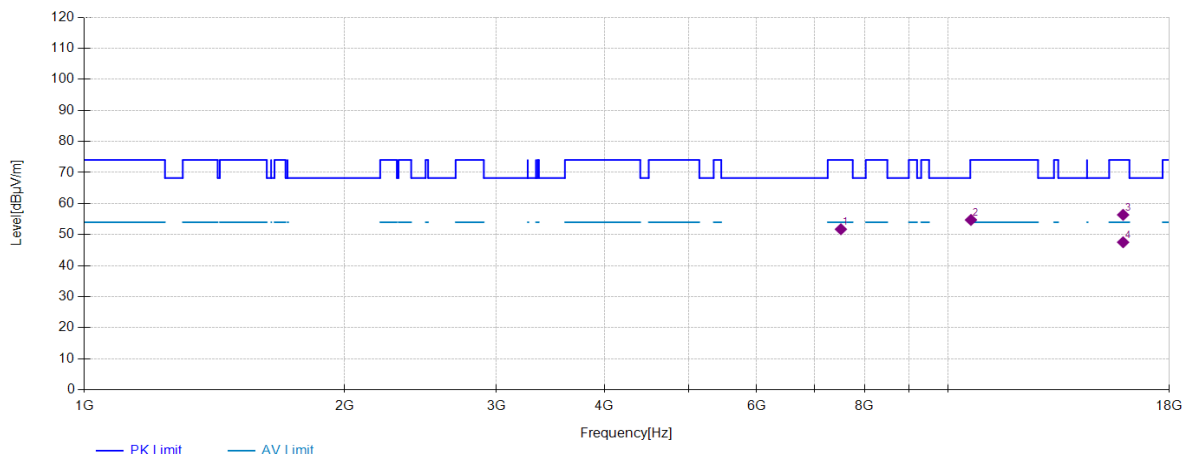
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## 802.11n40\_Channel 62



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7509.5	53.44	36.81	-38.52	51.73	74.00	22.27	Vertical
2	10620	50.81	39.34	-35.42	54.73	74.00	19.27	Vertical
3	15930	47.95	37.76	-29.35	56.36	74.00	17.64	Vertical
4	15930	39.13	37.76	-29.35	47.54	54.00	6.46	Vertical

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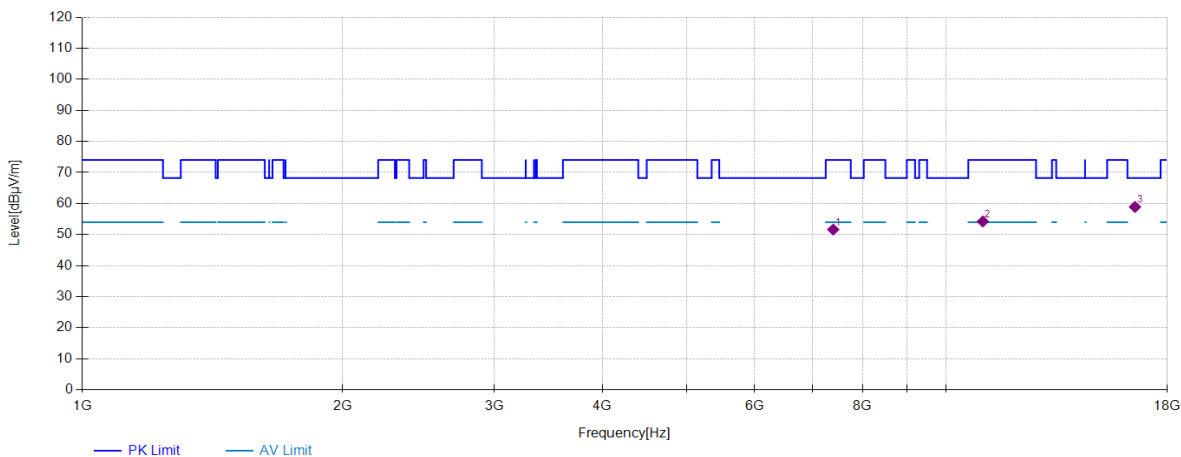
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802.11n40\_Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7397.5	53.47	36.69	-38.53	51.63	74.00	22.37	Horizontal
2	11020	49.23	40.12	-35.13	54.22	74.00	19.78	Horizontal
3	16530	49.27	39.36	-29.72	58.91	68.20	9.29	Horizontal

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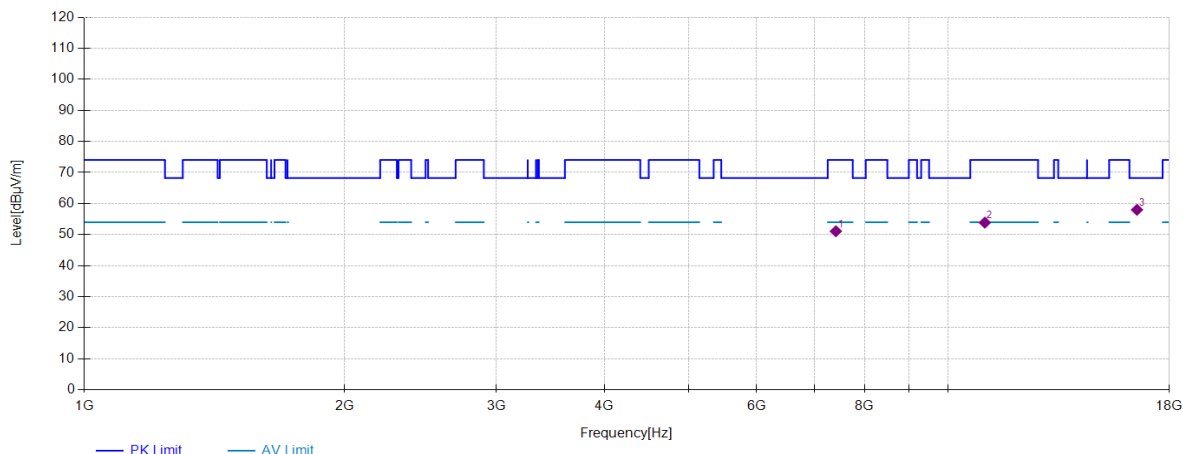
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## 802.11n40\_Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7409.5	52.83	36.72	-38.47	51.08	74.00	22.92	Vertical
2	11020	48.87	40.12	-35.13	53.86	74.00	20.14	Vertical
3	16530	48.35	39.36	-29.72	57.99	68.20	10.21	Vertical

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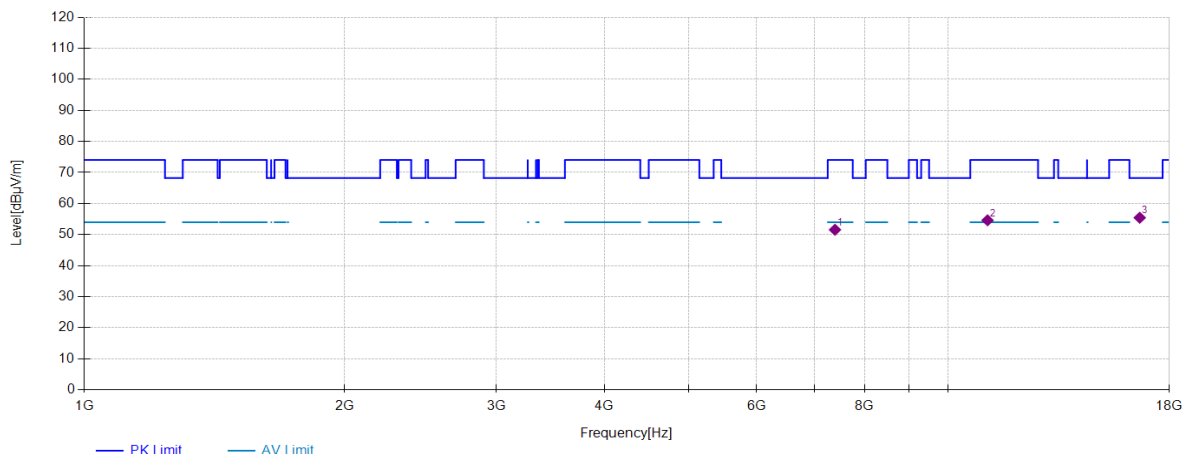
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## 802.11n40\_Channel 110



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7392	53.43	36.67	-38.54	51.56	74.00	22.44	Horizontal
2	11100	49.96	40.20	-35.55	54.61	74.00	19.39	Horizontal
3	16650	47.97	39.45	-31.98	55.44	68.20	12.76	Horizontal

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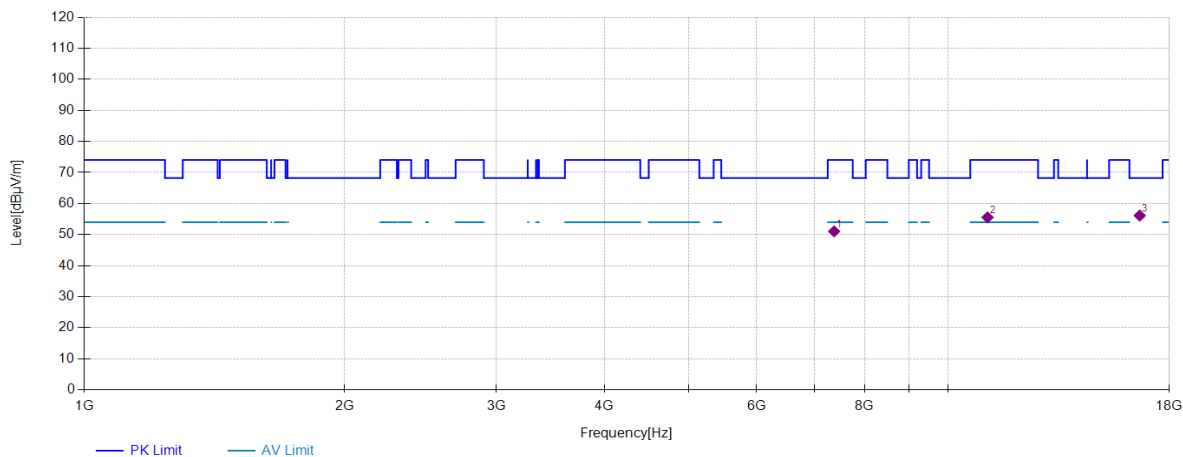
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

Report No.: SUCR241200053004

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## 802.11n40\_Channel 110



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7375	53.04	36.60	-38.60	51.04	74.00	22.96	Vertical
2	11100	50.90	40.20	-35.55	55.55	74.00	18.45	Vertical
3	16650	48.67	39.45	-31.98	56.14	68.20	12.06	Vertical

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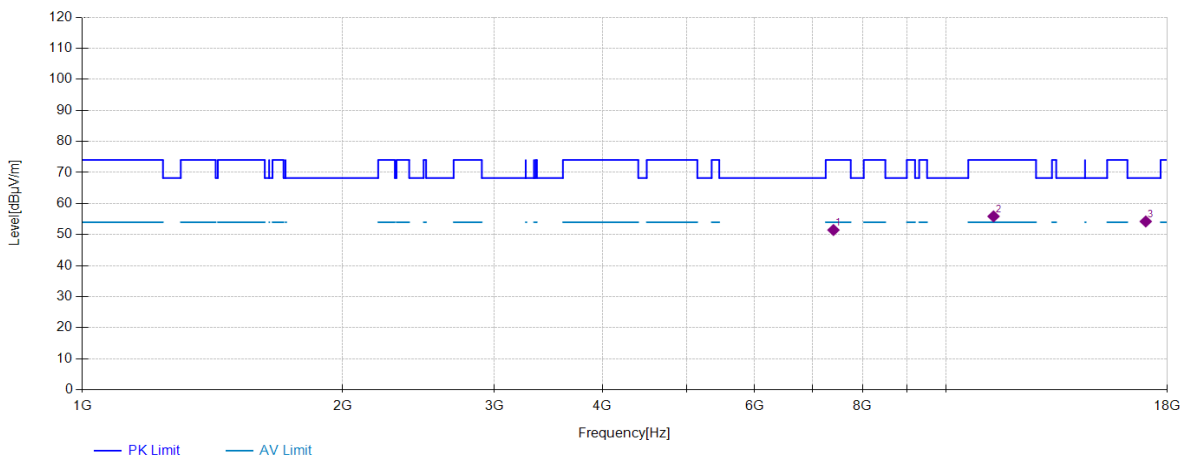
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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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802.11n40\_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7401.5	53.28	36.70	-38.51	51.47	74.00	22.53	Horizontal
2	11340	51.27	40.18	-35.58	55.87	74.00	18.13	Horizontal
3	17010	46.57	41.38	-33.72	54.23	68.20	13.97	Horizontal

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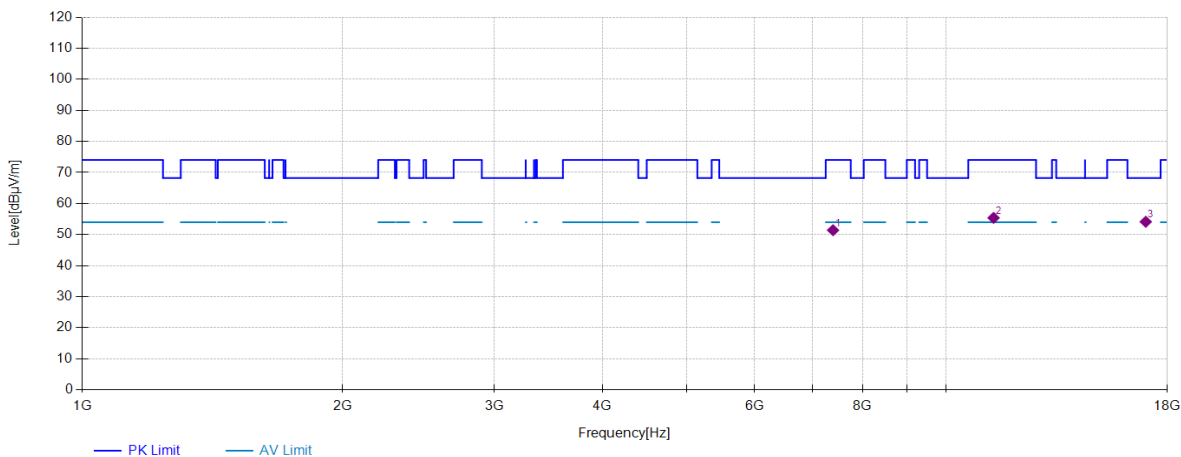
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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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802.11n40\_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7393.5	53.28	36.67	-38.54	51.41	74.00	22.59	Vertical
2	11340	50.79	40.18	-35.58	55.39	74.00	18.61	Vertical
3	17010	46.47	41.38	-33.72	54.13	68.20	14.07	Vertical

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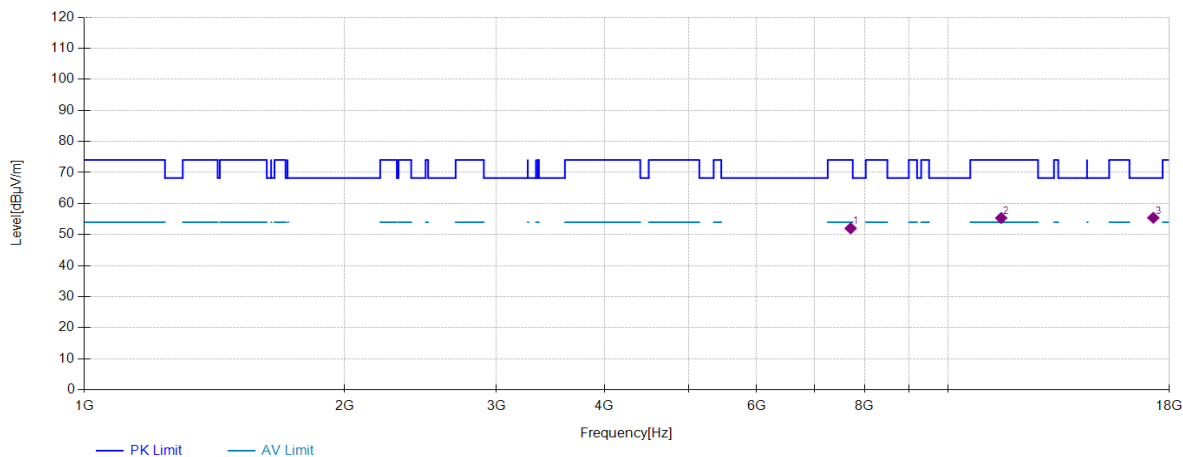
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## 802.11n40\_Channel 151



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7707.5	53.44	36.74	-38.17	52.01	74.00	21.99	Horizontal
2	11510	50.54	40.21	-35.42	55.33	74.00	18.67	Horizontal
3	17265	49.30	43.02	-36.91	55.41	68.20	12.79	Horizontal

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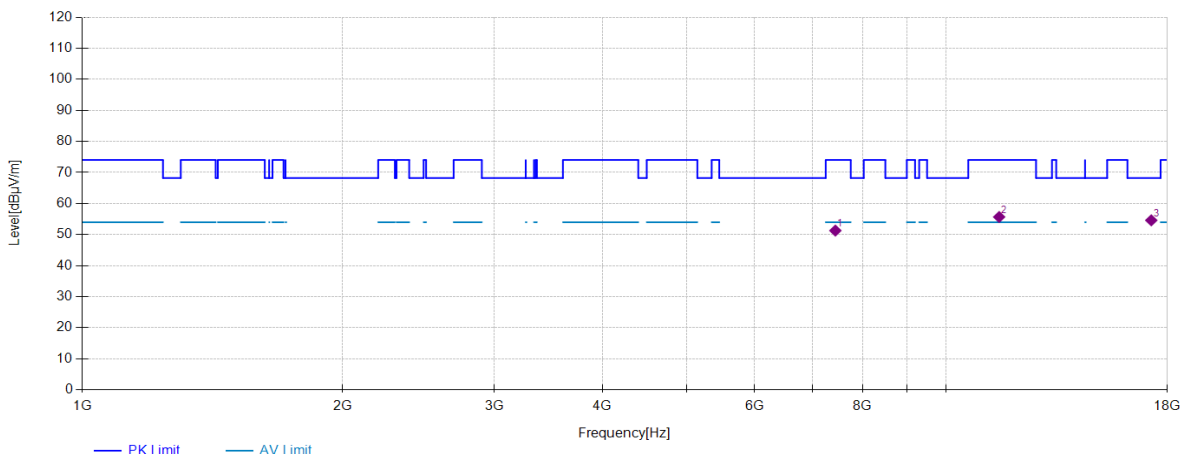
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n40\_Channel 151



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7439	52.82	36.78	-38.31	51.29	74.00	22.71	Vertical
2	11510	50.89	40.21	-35.42	55.68	74.00	18.32	Vertical
3	17265	48.49	43.02	-36.91	54.60	68.20	13.60	Vertical

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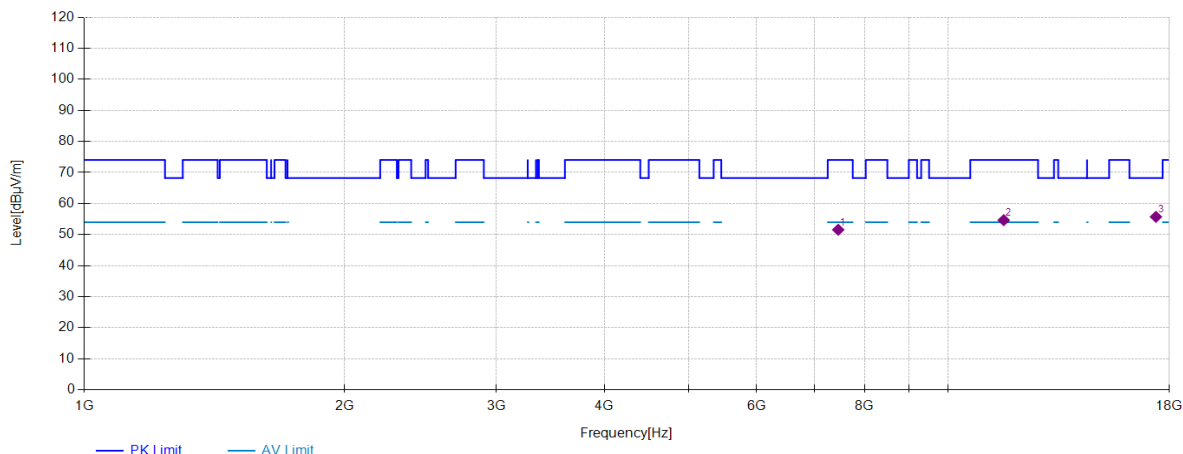
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## 802.11n40\_Channel 159



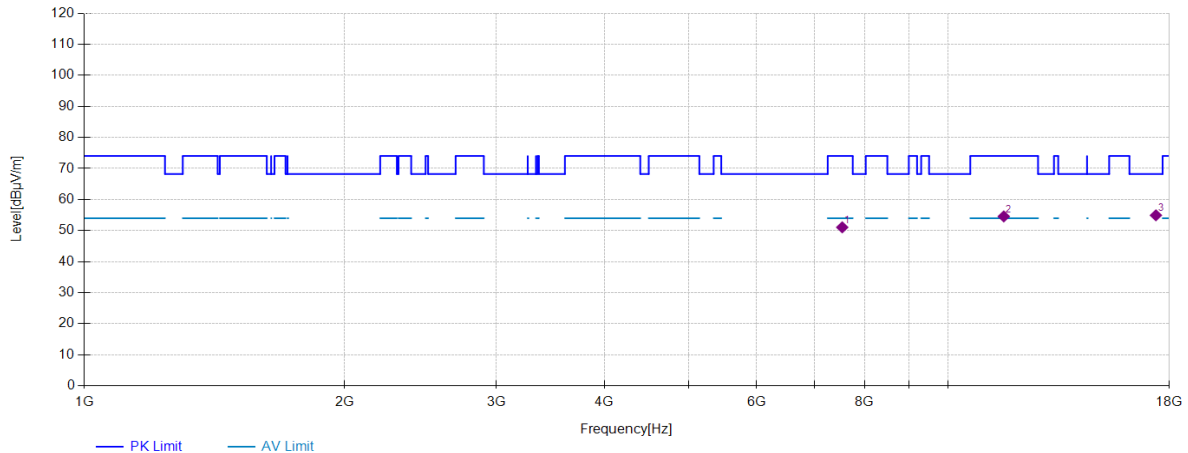
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7456.5	53.04	36.81	-38.29	51.56	74.00	22.44	Horizontal
2	11590	49.40	40.29	-35.04	54.65	74.00	19.35	Horizontal
3	17385	48.79	44.32	-37.39	55.72	68.20	12.48	Horizontal

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### 802.11n40\_Channel 159



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7536.5	53.00	36.54	-38.49	51.05	74.00	22.95	Vertical
2	11590	49.32	40.29	-35.04	54.57	74.00	19.43	Vertical
3	17385	48.00	44.32	-37.39	54.93	68.20	13.27	Vertical

#### Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:  

$$\text{Level} = \text{Reading}(\text{dB}\mu\text{V}) + \text{AF}(\text{dB}/\text{m}) + \text{Factor}(\text{dB})$$

$$\text{AF} = \text{Antenna Factor}(\text{dB}/\text{m})$$

$$\text{Factor} = \text{Cable Factor}(\text{dB}) - \text{Preamplifier gain}(\text{dB})$$

$$\text{Margin} = \text{Limit}(\text{dB}\mu\text{V}/\text{m}) - \text{Level}(\text{dB}\mu\text{V}/\text{m})$$
- All channels have been tested, but only the worst case data displayed in this report.
- Both peak and average measured complies with the limit line, so test result is "PASS"

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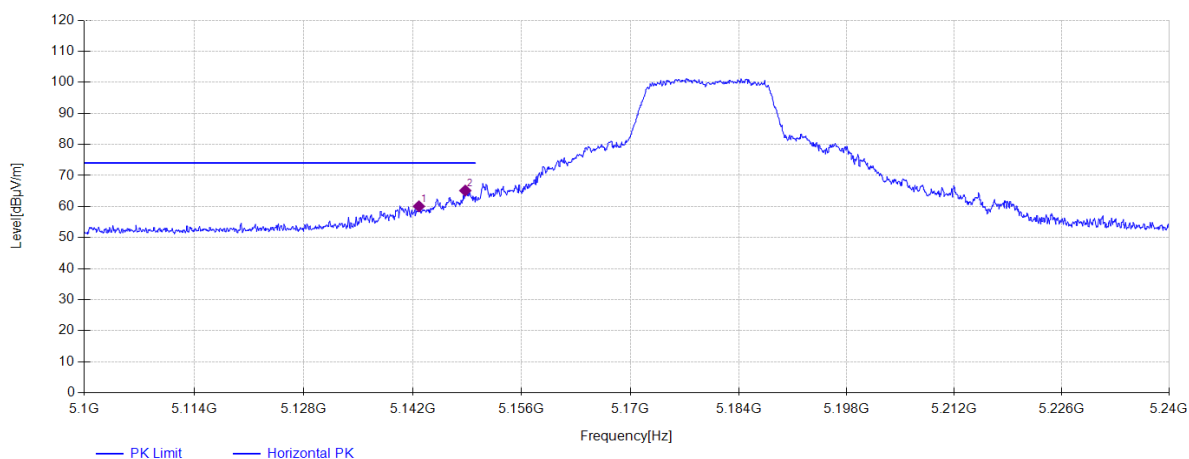
## SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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### Restricted bands around fundamental frequency



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5142.7914	41.40	31.76	-13.09	60.07	74.00	13.93	Horizontal
2	5148.7444	46.41	31.79	-13.07	65.13	74.00	8.87	Horizontal

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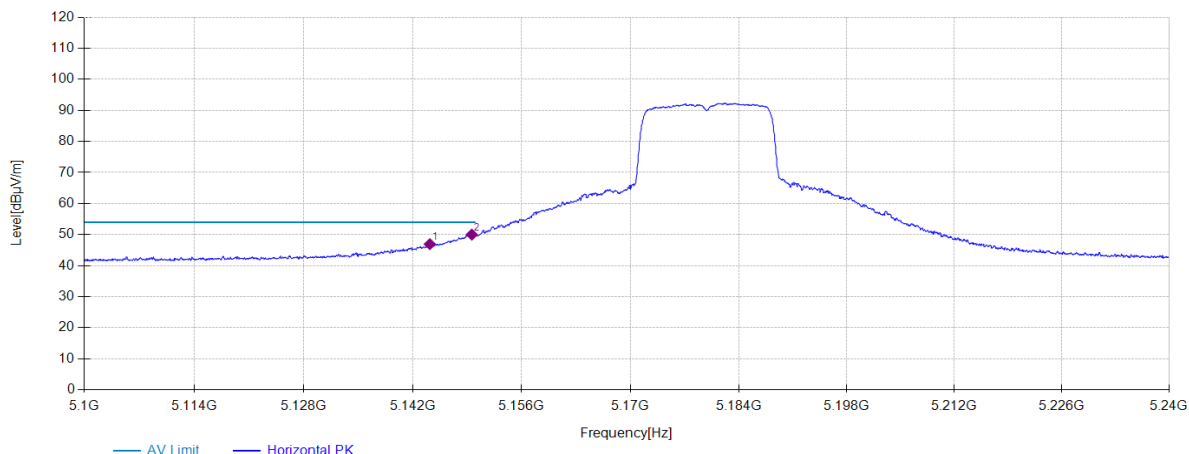
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11a\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.1921	28.24	31.77	-13.09	46.92	54.00	7.08	Horizontal
2	5149.5848	31.26	31.80	-13.07	49.99	54.00	4.01	Horizontal

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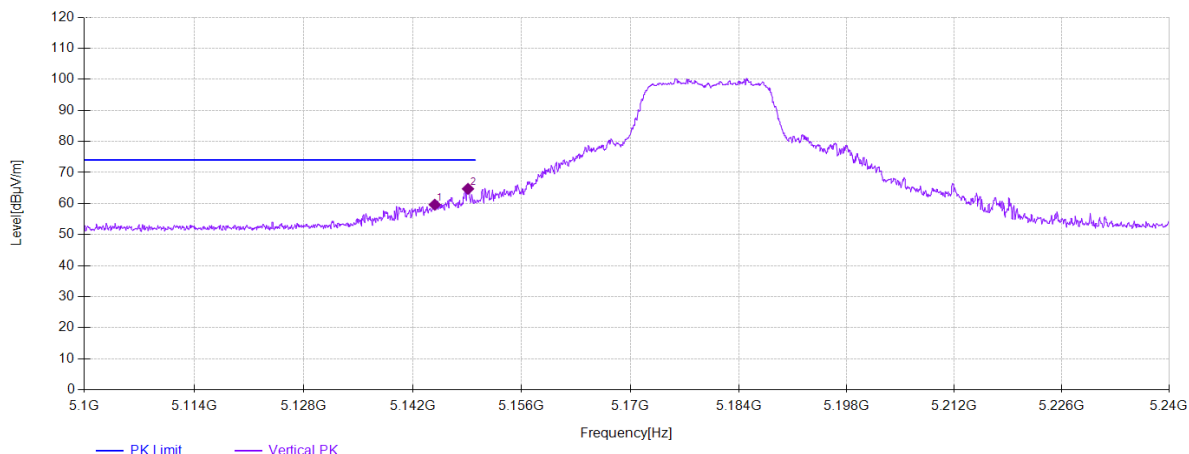
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## 802.11a\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.8224	40.96	31.77	-13.09	59.64	74.00	14.36	Vertical
2	5149.0945	46.01	31.79	-13.07	64.73	74.00	9.27	Vertical

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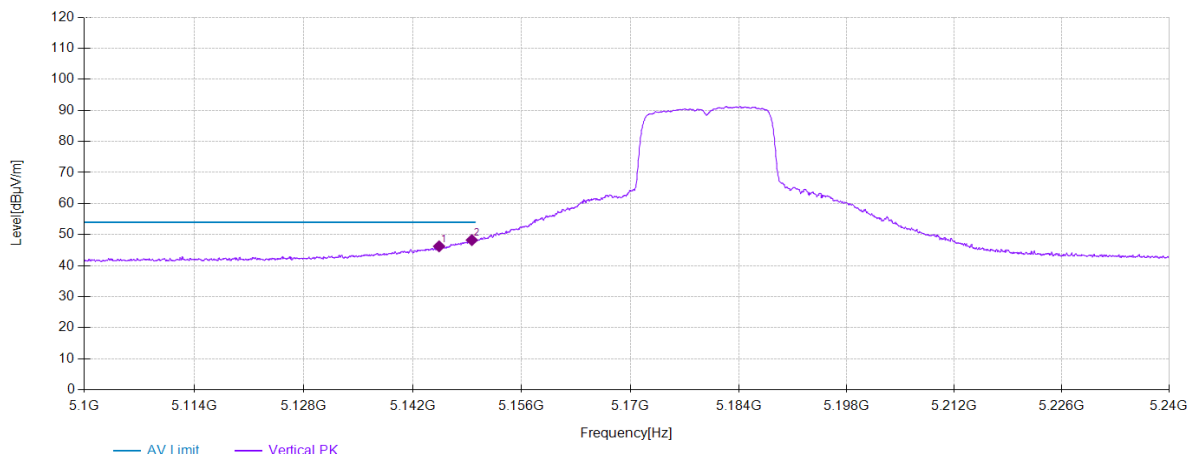
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## 802.11a\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.3827	27.53	31.77	-13.08	46.22	54.00	7.78	Vertical
2	5149.5848	29.50	31.80	-13.07	48.23	54.00	5.77	Vertical

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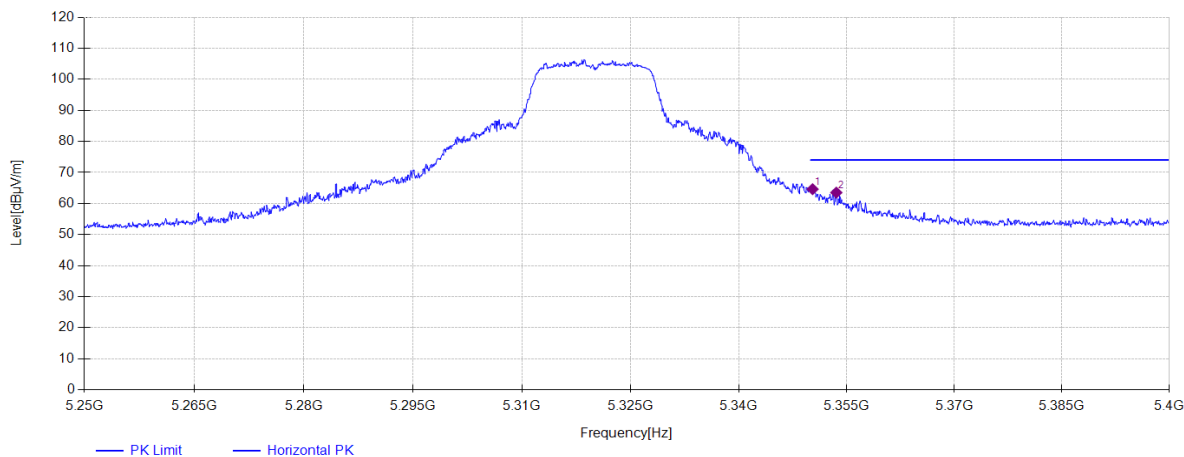
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802.11a\_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.2501	45.11	32.20	-12.68	64.63	74.00	9.37	Horizontal
2	5353.5518	44.00	32.22	-12.69	63.53	74.00	10.47	Horizontal

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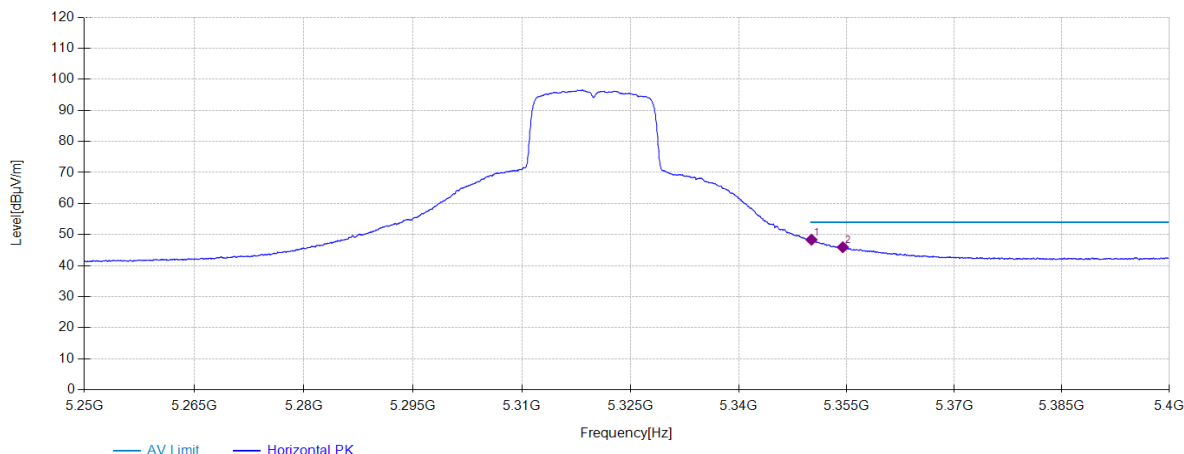
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## 802.11a\_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.1	28.82	32.20	-12.68	48.34	54.00	5.66	Horizontal
2	5354.4522	26.39	32.23	-12.69	45.93	54.00	8.07	Horizontal

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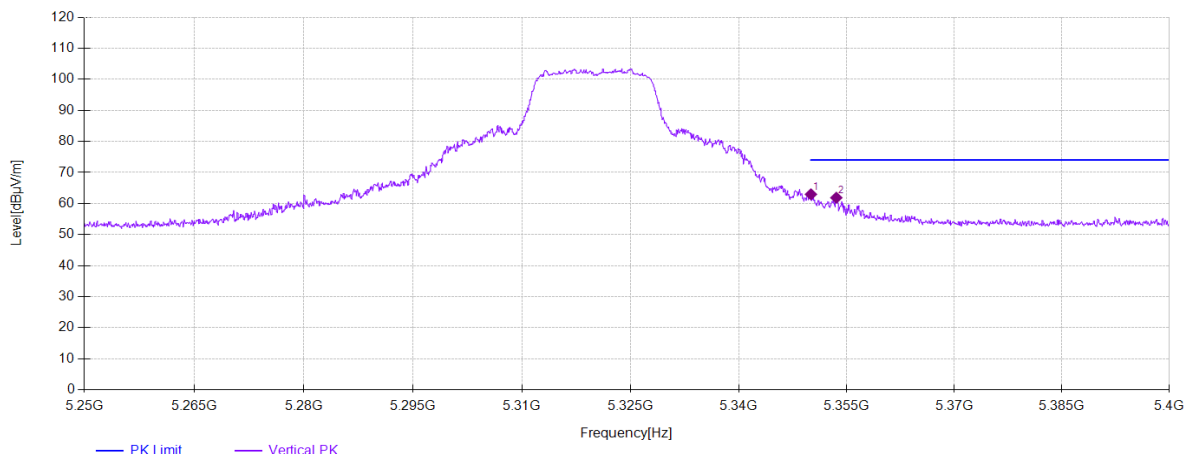
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

Report No.: SUCR241200053004

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## 802.11a\_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.025	43.46	32.20	-12.68	62.98	74.00	11.02	Vertical
2	5353.5518	42.35	32.22	-12.69	61.88	74.00	12.12	Vertical

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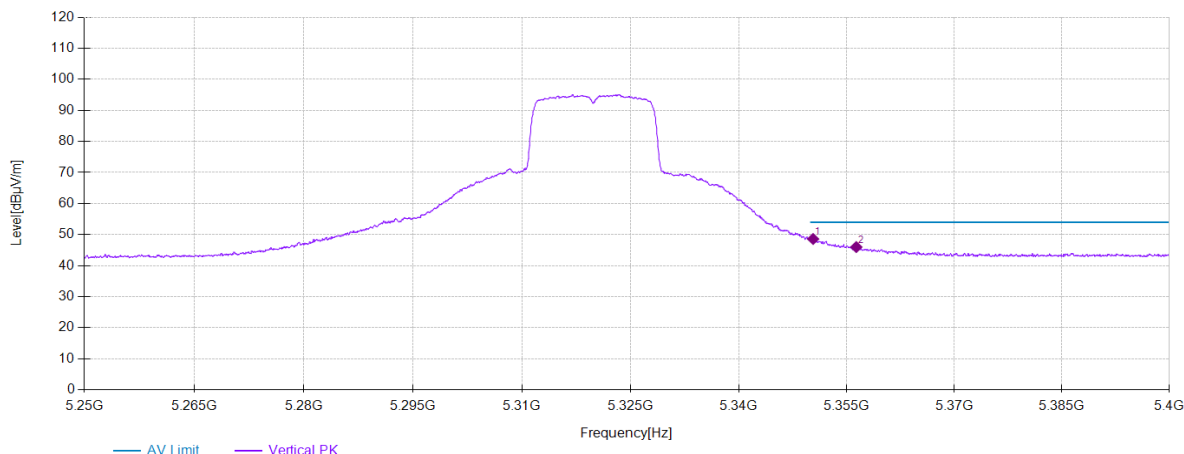
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11a\_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.3252	29.07	32.20	-12.68	48.59	54.00	5.41	Vertical
2	5356.3282	26.44	32.24	-12.69	45.99	54.00	8.01	Vertical

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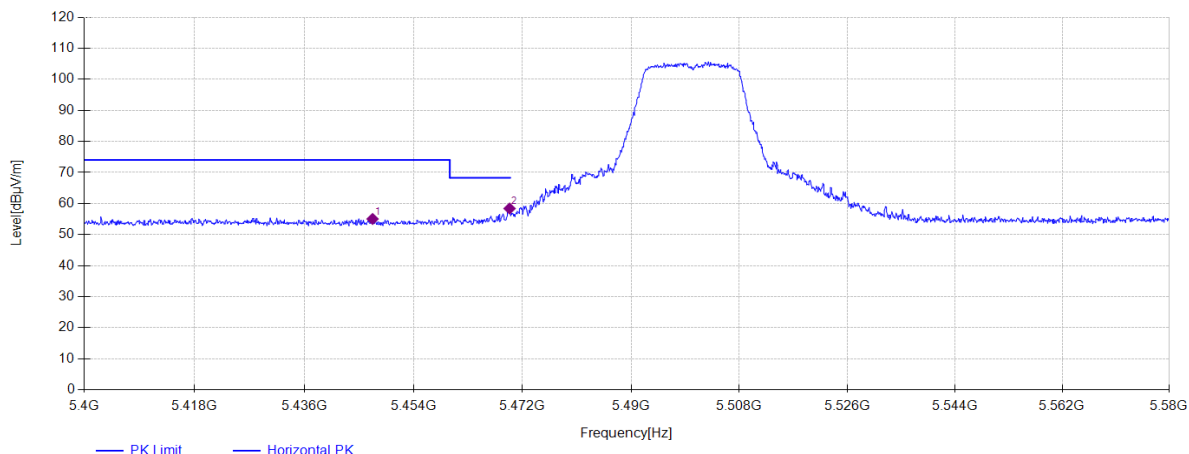
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## 802.11a\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5447.2736	35.45	32.22	-12.63	55.04	74.00	18.96	Horizontal
2	5469.8749	38.70	32.28	-12.58	58.40	68.30	9.90	Horizontal

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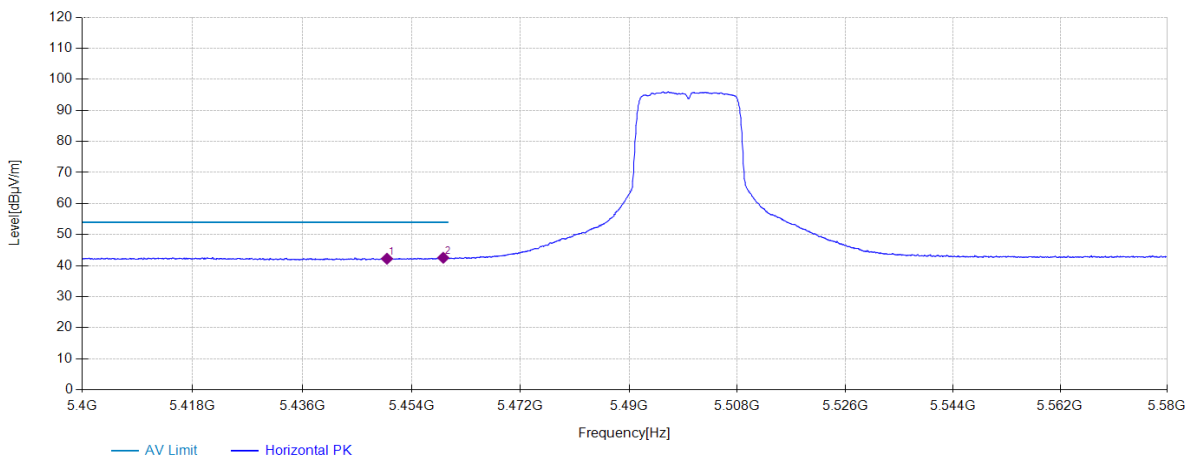
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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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802.11a\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5449.975	22.65	32.20	-12.62	42.23	54.00	11.77	Horizontal
2	5459.2496	22.90	32.24	-12.60	42.54	54.00	11.46	Horizontal

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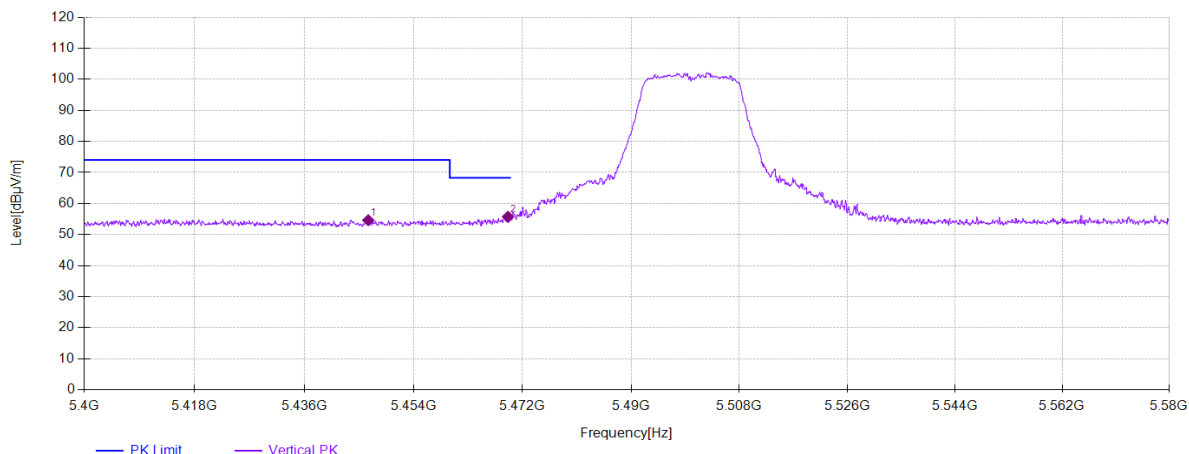
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11a\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5446.5533	35.05	32.22	-12.63	54.64	74.00	19.36	Vertical
2	5469.6048	36.06	32.28	-12.58	55.76	68.30	12.54	Vertical

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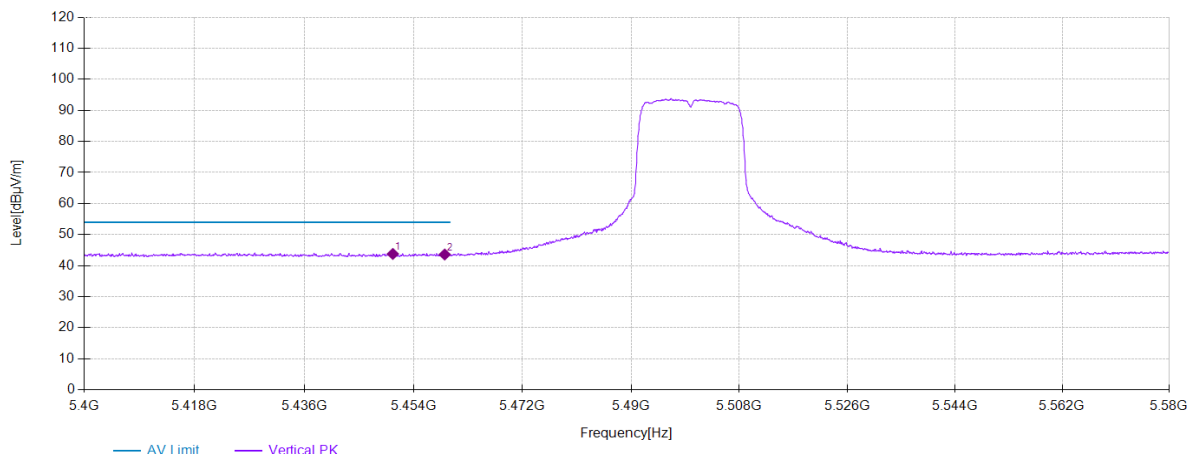
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## 802.11a\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5450.6053	24.20	32.20	-12.62	43.78	54.00	10.22	Vertical
2	5459.1596	23.95	32.24	-12.60	43.59	54.00	10.41	Vertical

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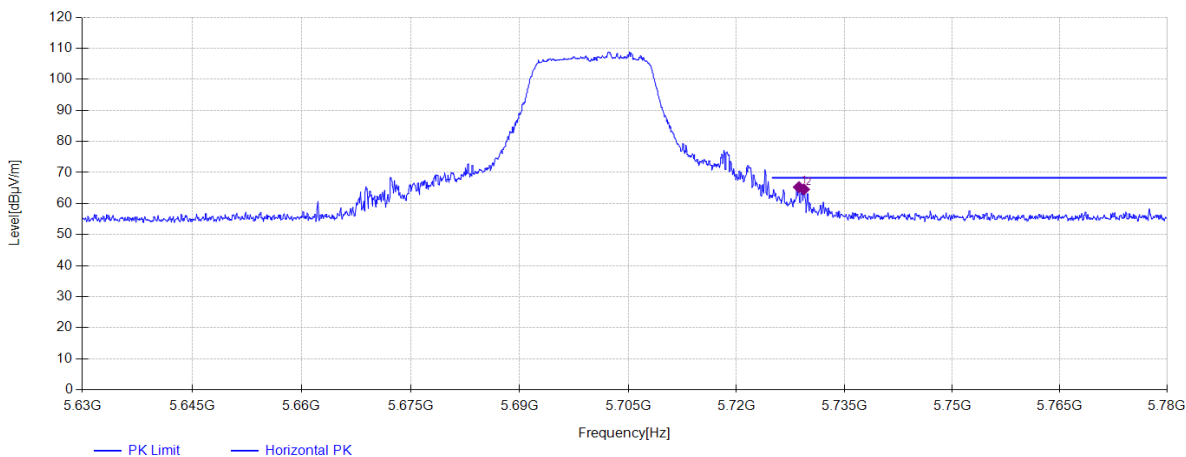
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802.11a\_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5728.6743	45.27	32.50	-12.49	65.28	68.30	3.02	Horizontal
2	5729.3497	44.56	32.50	-12.49	64.57	68.30	3.73	Horizontal

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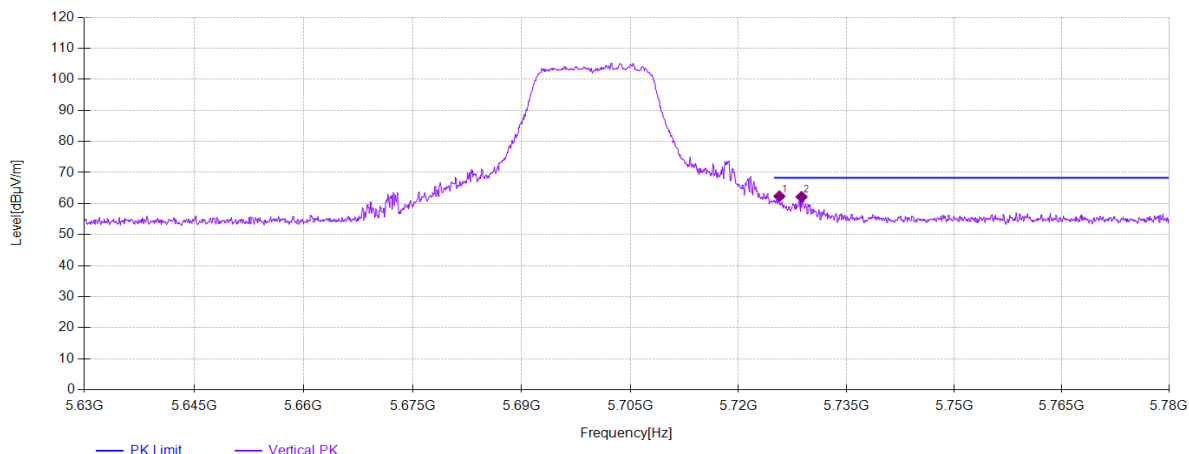
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## 802.11a\_Channel 140



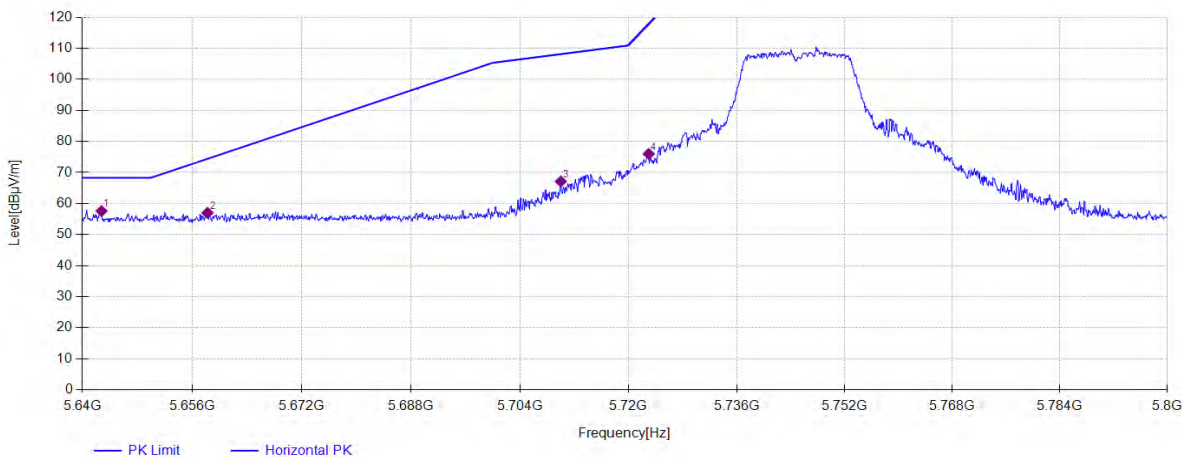
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5725.6728	42.32	32.50	-12.49	62.33	68.30	5.97	Vertical
2	5728.7494	42.14	32.50	-12.49	62.15	68.30	6.15	Vertical

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### 802.11a\_Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5642.8014	37.64	32.51	-12.55	57.60	68.30	10.70	Horizontal
2	5658.2491	37.04	32.50	-12.55	56.99	74.40	17.41	Horizontal
3	5710.035	47.10	32.50	-12.48	67.12	108.11	40.99	Horizontal
4	5723.0015	55.97	32.50	-12.49	75.98	117.74	41.76	Horizontal

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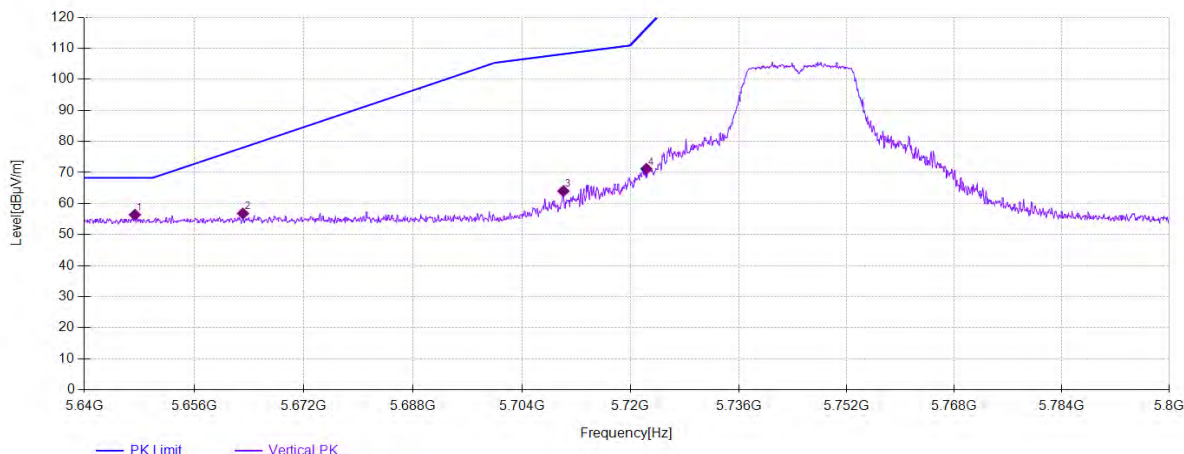
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## 802.11a\_Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5647.3637	36.44	32.51	-12.56	56.39	68.30	11.91	Vertical
2	5663.1316	36.83	32.50	-12.54	56.79	78.02	21.23	Vertical
3	5710.1151	43.99	32.50	-12.48	64.01	108.13	44.12	Vertical
4	5722.3612	51.17	32.50	-12.49	71.18	116.28	45.10	Vertical

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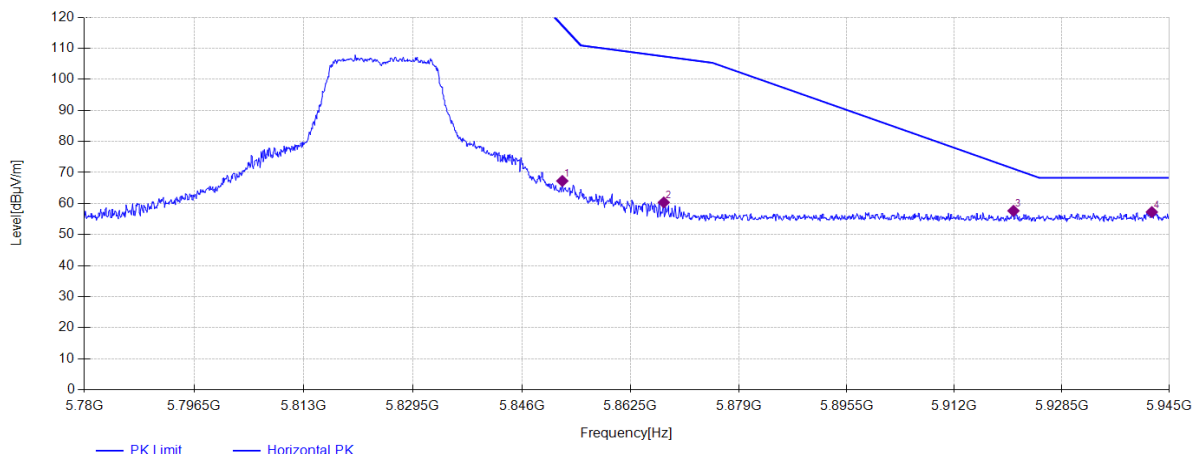
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## 802.11a\_Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5852.1411	46.96	32.61	-12.30	67.27	117.42	50.15	Horizontal
2	5867.5763	39.93	32.67	-12.24	60.36	107.38	47.02	Horizontal
3	5921.063	36.92	32.84	-12.10	57.66	71.21	13.55	Horizontal
4	5942.3587	36.49	32.88	-12.10	57.27	68.30	11.03	Horizontal

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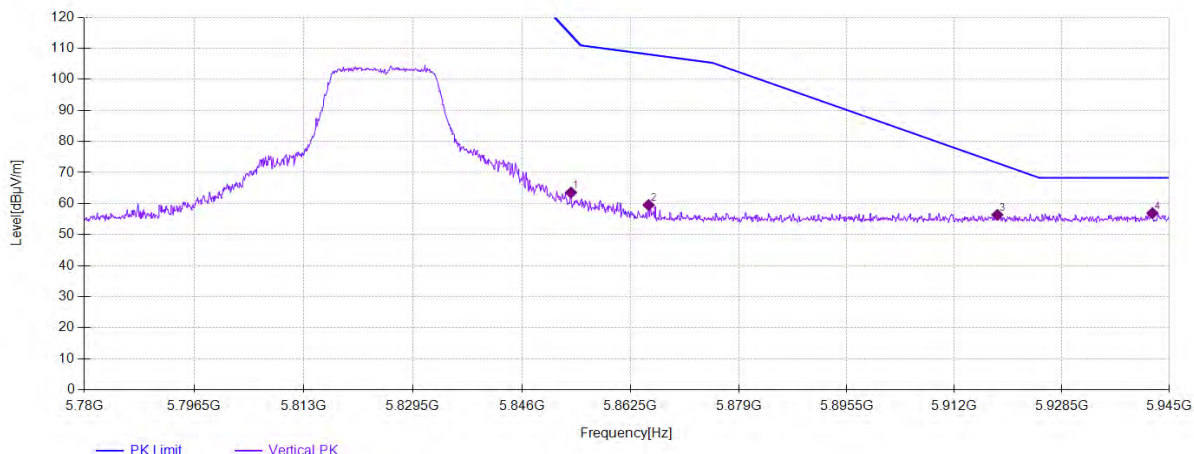
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## 802.11a\_Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5853.4617	43.23	32.61	-12.30	63.54	114.41	50.87	Vertical
2	5865.2651	39.11	32.66	-12.25	59.52	108.03	48.51	Vertical
3	5918.5868	35.62	32.84	-12.10	56.36	73.05	16.69	Vertical
4	5942.4412	36.13	32.88	-12.10	56.91	68.30	11.39	Vertical

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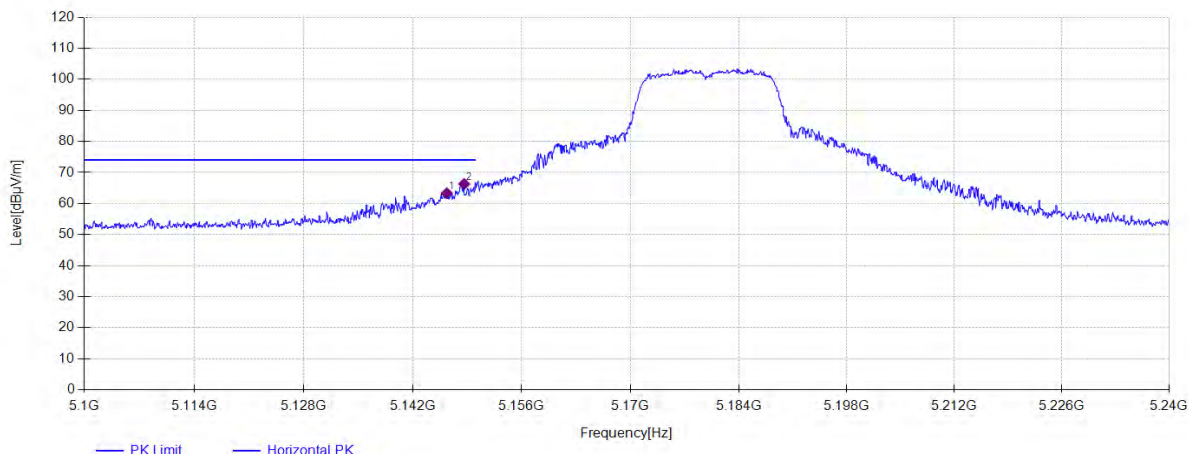
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## 802.11n20\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5146.3632	44.61	31.78	-13.08	63.31	74.00	10.69	Horizontal
2	5148.6043	47.57	31.79	-13.07	66.29	74.00	7.71	Horizontal

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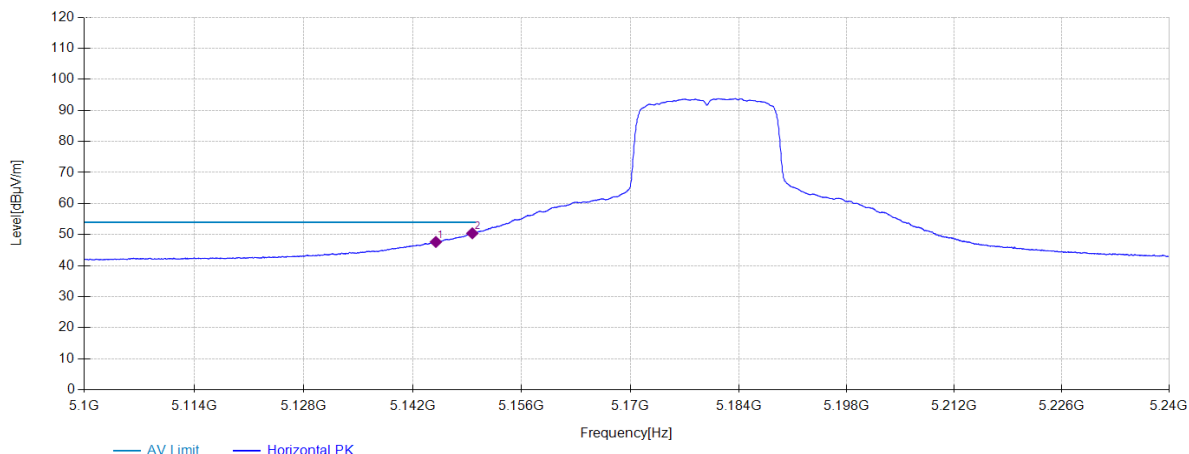
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

Report No.: SUCR241200053004

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## 802.11n20\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5144.9625	28.95	31.77	-13.09	47.63	54.00	6.37	Horizontal
2	5149.6548	31.69	31.80	-13.07	50.42	54.00	3.58	Horizontal

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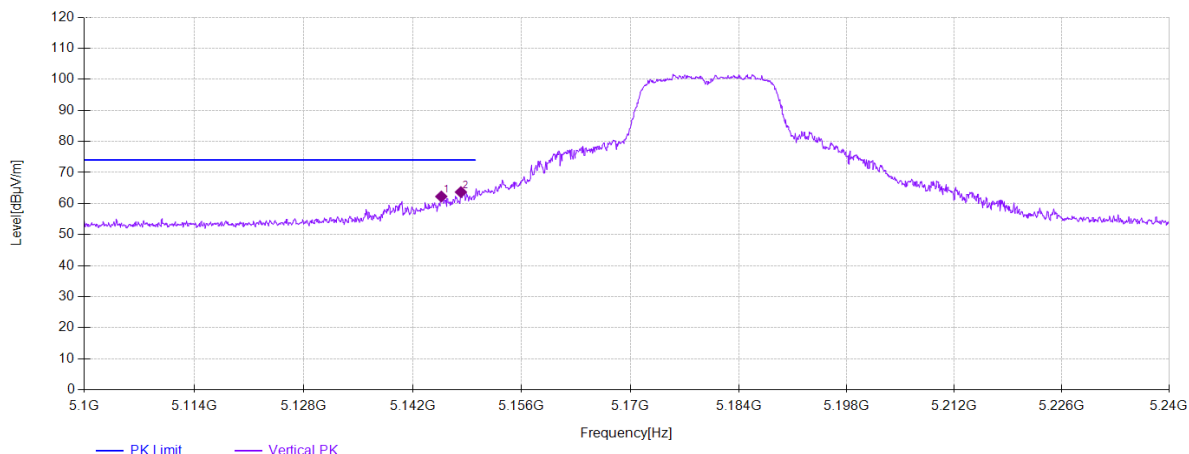
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n20\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5145.6628	43.58	31.77	-13.08	62.27	74.00	11.73	Vertical
2	5148.1841	44.98	31.79	-13.08	63.69	74.00	10.31	Vertical

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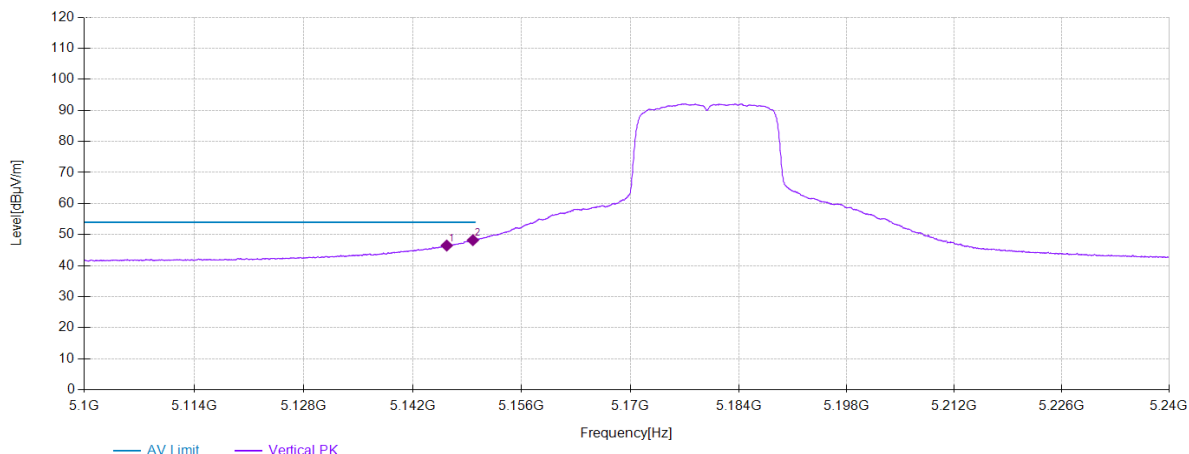
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## 802.11n20\_Channel 36



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5146.3632	27.78	31.78	-13.08	46.48	54.00	7.52	Vertical
2	5149.7249	29.48	31.80	-13.07	48.21	54.00	5.79	Vertical

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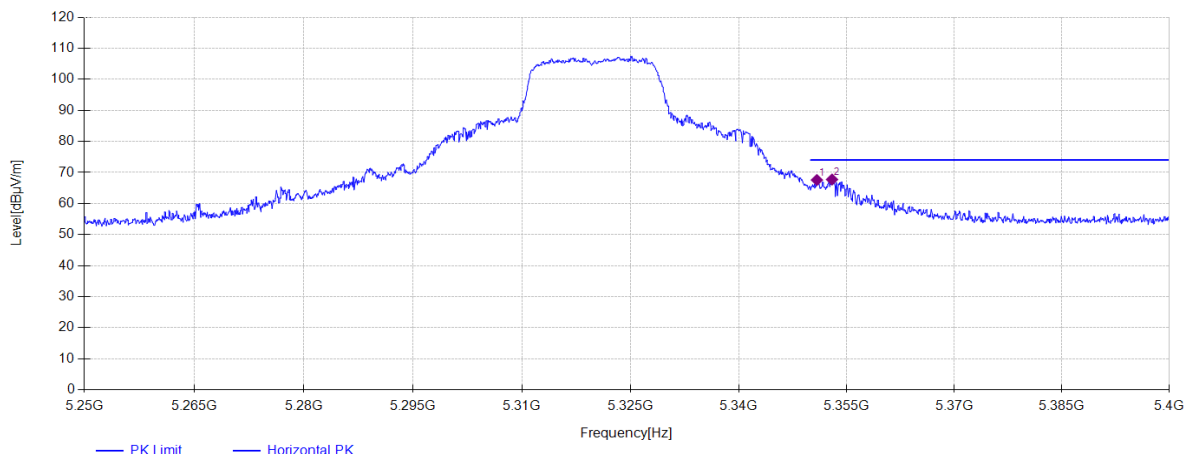
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n20\_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.8504	48.05	32.21	-12.68	67.58	74.00	6.42	Horizontal
2	5352.9515	48.20	32.22	-12.68	67.74	74.00	6.26	Horizontal

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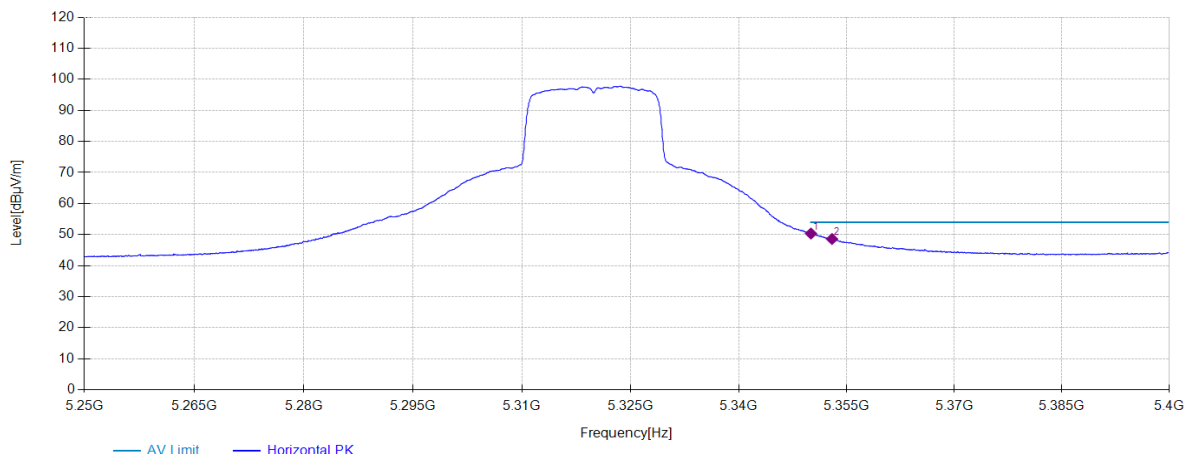
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n20\_Channel 64



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.025	30.82	32.20	-12.68	50.34	54.00	3.66	Horizontal
2	5352.9515	29.05	32.22	-12.68	48.59	54.00	5.41	Horizontal

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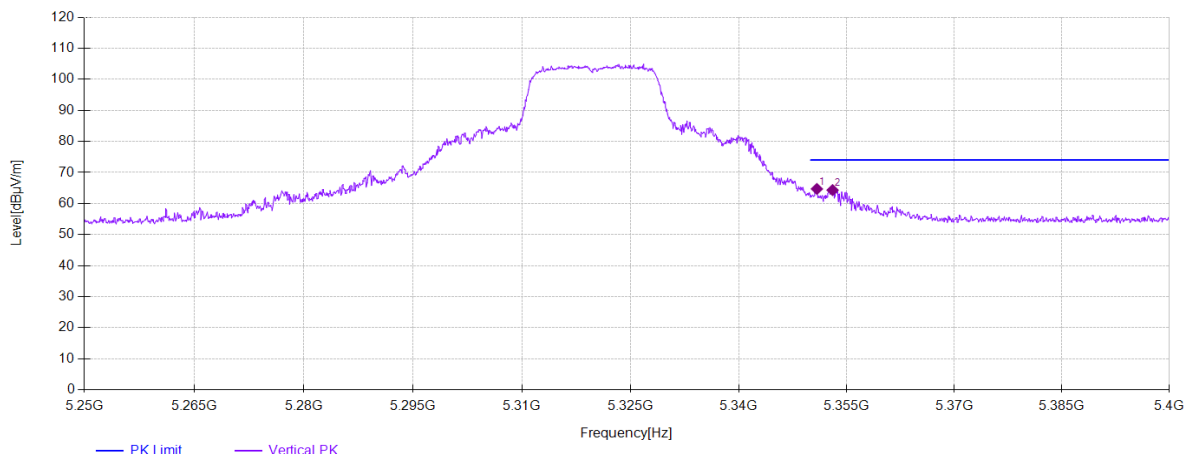
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n20\_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.8504	45.18	32.21	-12.68	64.71	74.00	9.29	Vertical
2	5353.0265	44.79	32.22	-12.68	64.33	74.00	9.67	Vertical

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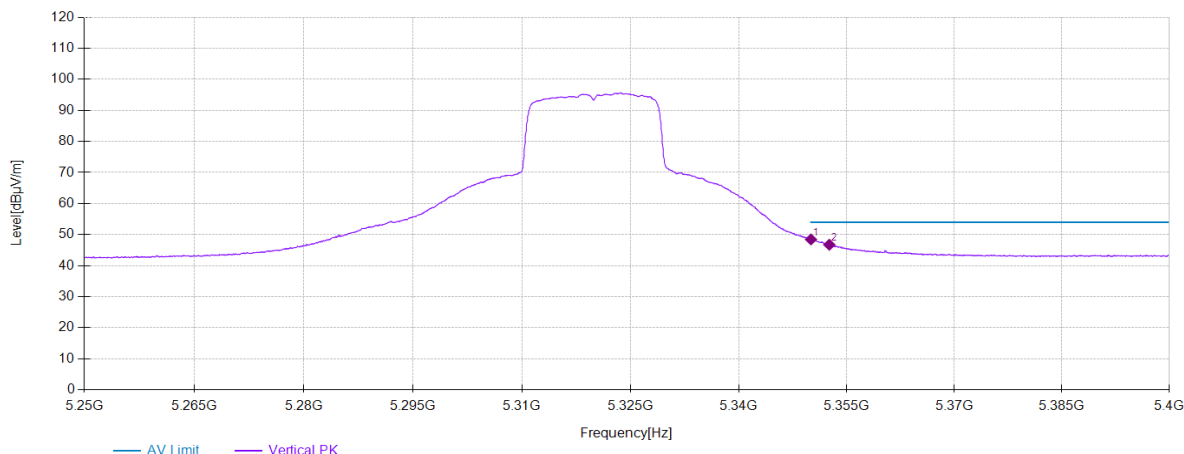
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n20\_Channel 64



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5350.025	28.93	32.20	-12.68	48.45	54.00	5.55	Vertical
2	5352.5763	27.19	32.22	-12.68	46.73	54.00	7.27	Vertical

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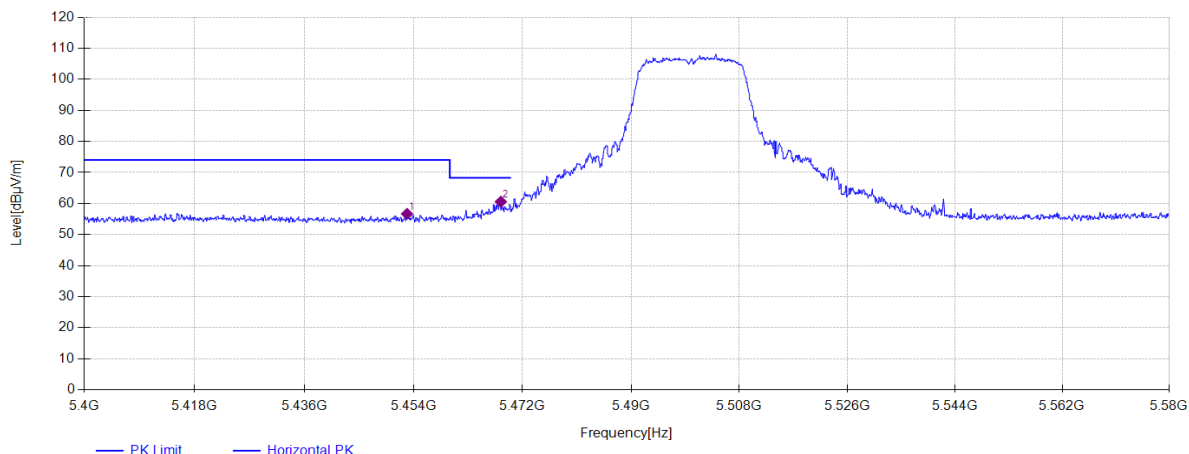
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## 802.11n20\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5452.9465	37.08	32.21	-12.61	56.68	74.00	17.32	Horizontal
2	5468.4342	40.89	32.27	-12.58	60.58	68.30	7.72	Horizontal

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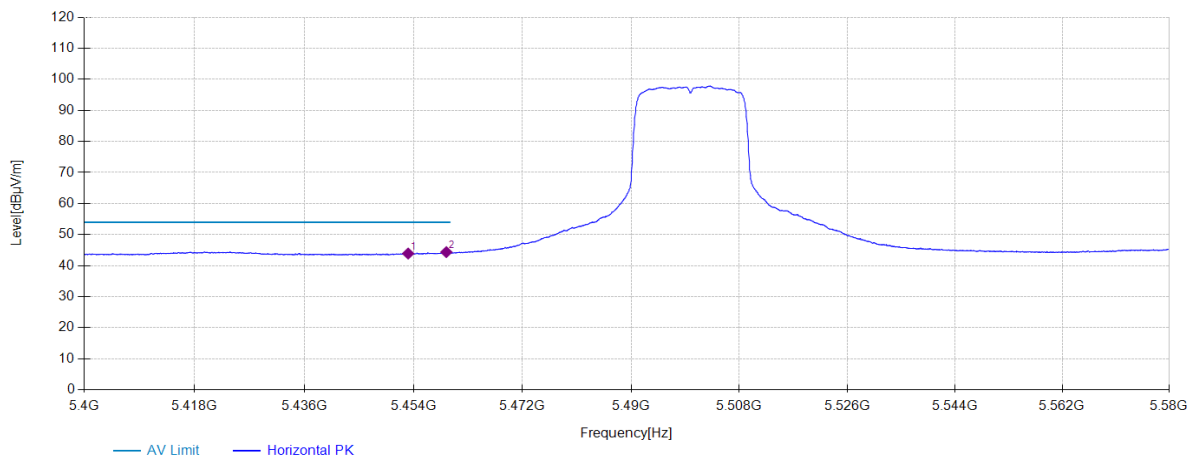
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## 802.11n20\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5453.1266	24.30	32.21	-12.61	43.90	54.00	10.10	Horizontal
2	5459.4297	24.72	32.24	-12.60	44.36	54.00	9.64	Horizontal

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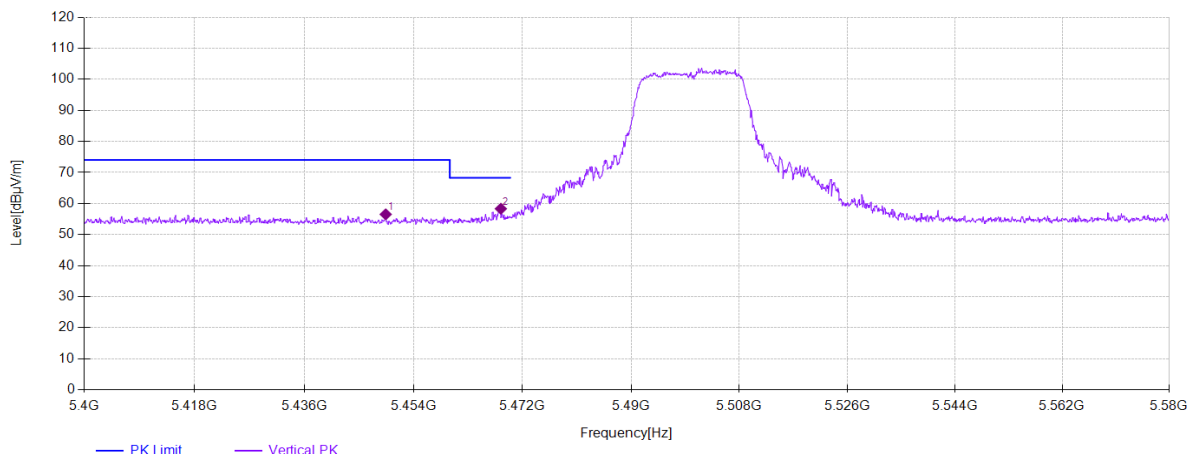
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## 802.11n20\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5449.4347	36.94	32.20	-12.62	56.52	74.00	17.48	Vertical
2	5468.4342	38.63	32.27	-12.58	58.32	68.30	9.98	Vertical

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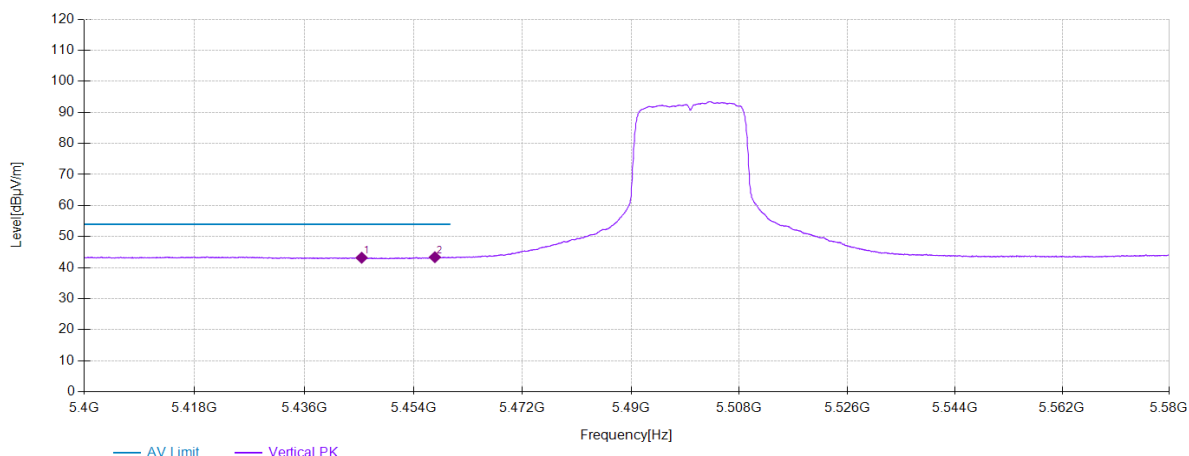
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n20\_Channel 100



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5445.4727	23.59	32.23	-12.63	43.19	54.00	10.81	Vertical
2	5457.5388	23.74	32.23	-12.60	43.37	54.00	10.63	Vertical

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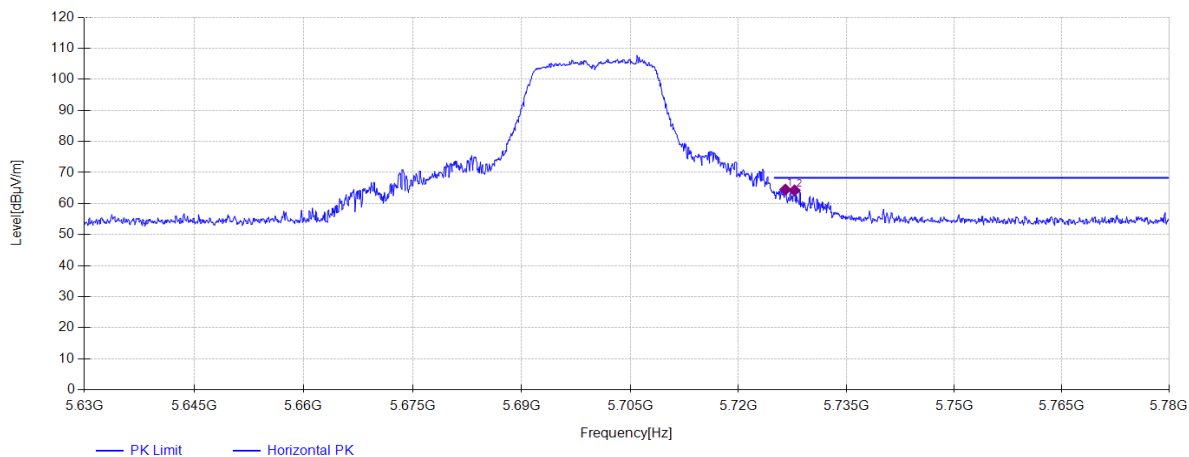
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## 802.11n20\_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726.4982	44.48	32.50	-12.49	64.49	68.30	3.81	Horizontal
2	5727.7739	44.23	32.50	-12.49	64.24	68.30	4.06	Horizontal

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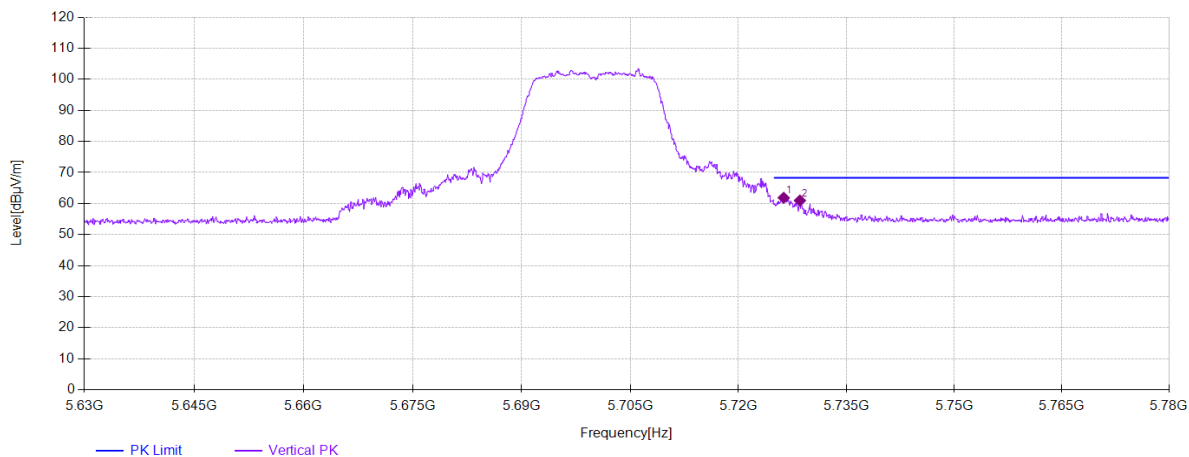
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## 802.11n20\_Channel 140



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5726.2731	41.85	32.50	-12.49	61.86	68.30	6.44	Vertical
2	5728.5243	40.96	32.50	-12.49	60.97	68.30	7.33	Vertical

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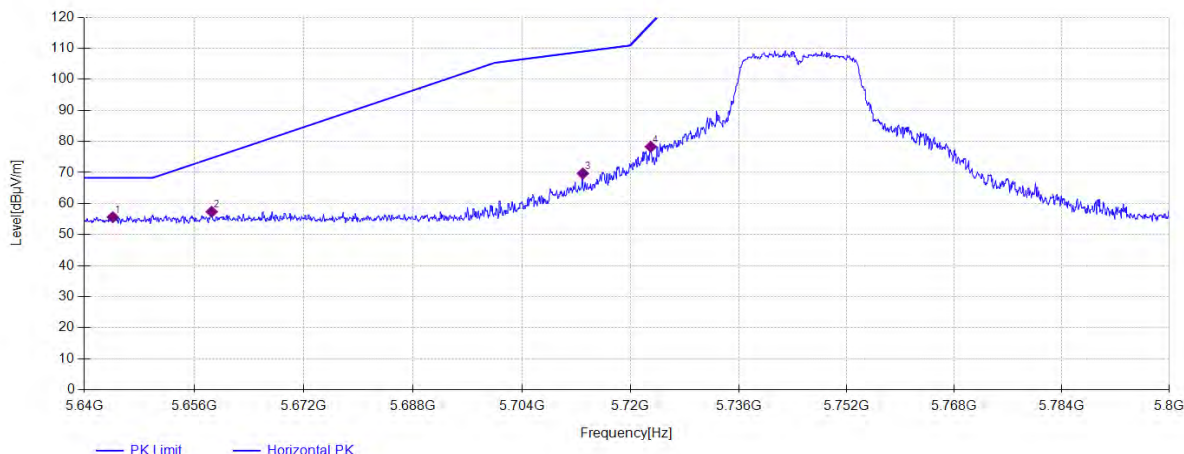
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## 802.11n20\_Channel 149



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5644.1621	35.67	32.51	-12.55	55.63	68.30	12.67	Horizontal
2	5658.5693	37.41	32.50	-12.55	57.36	74.64	17.28	Horizontal
3	5712.9965	49.67	32.50	-12.49	69.68	108.94	39.26	Horizontal
4	5723.0015	58.29	32.50	-12.49	78.30	117.74	39.44	Horizontal

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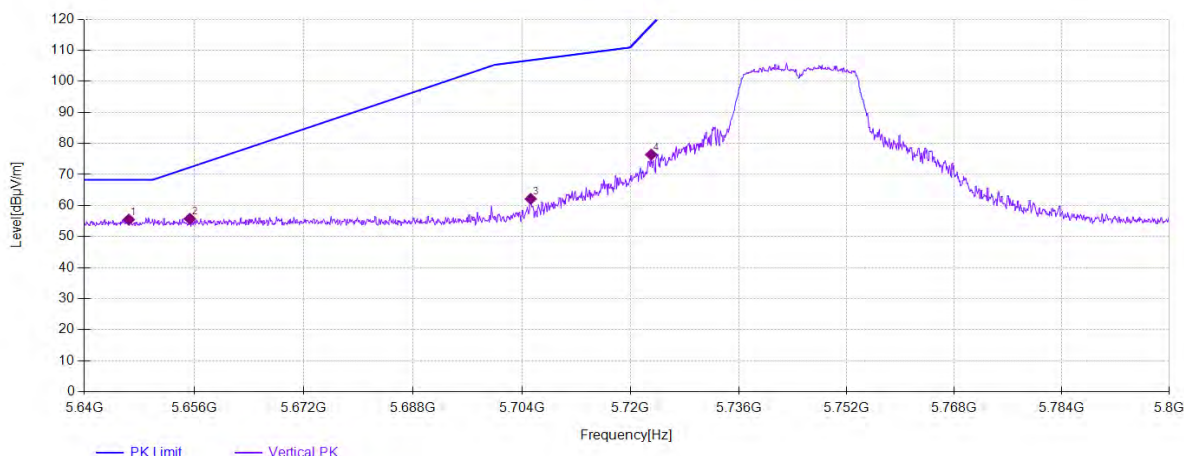
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n20\_Channel 149



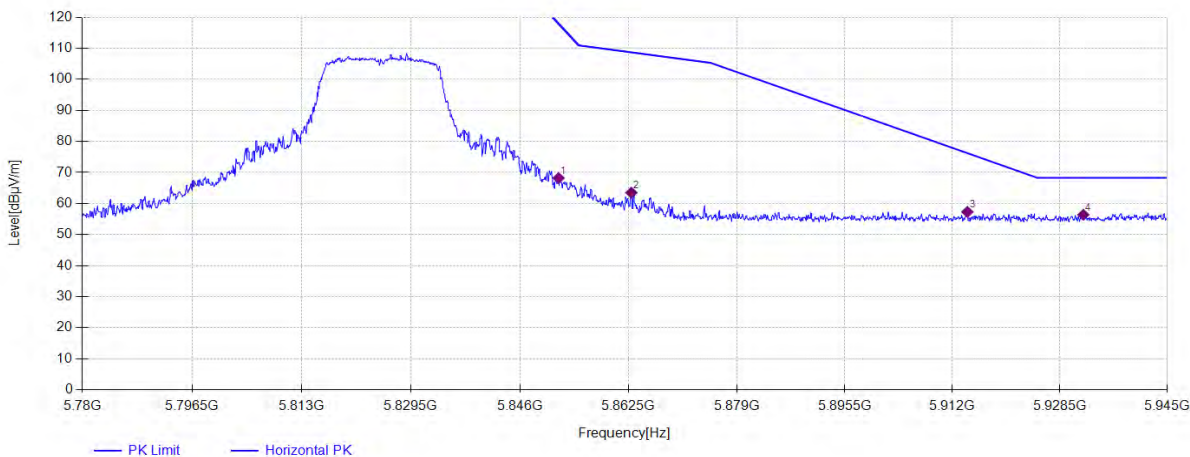
Data List								
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1	5646.4832	35.53	32.51	-12.55	55.49	68.30	12.81	Vertical
2	5655.3677	35.81	32.50	-12.55	55.76	72.27	16.51	Vertical
3	5705.3127	42.13	32.50	-12.48	62.15	106.79	44.64	Vertical
4	5723.0815	56.37	32.50	-12.49	76.38	117.93	41.55	Vertical

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### 802.11n20\_Channel 165



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5851.8934	47.89	32.61	-12.30	68.20	117.98	49.78	Horizontal
2	5862.954	43.12	32.65	-12.26	63.51	108.67	45.16	Horizontal
3	5914.2946	36.57	32.83	-12.10	57.30	76.22	18.92	Horizontal
4	5932.1236	35.63	32.86	-12.10	56.39	68.30	11.91	Horizontal

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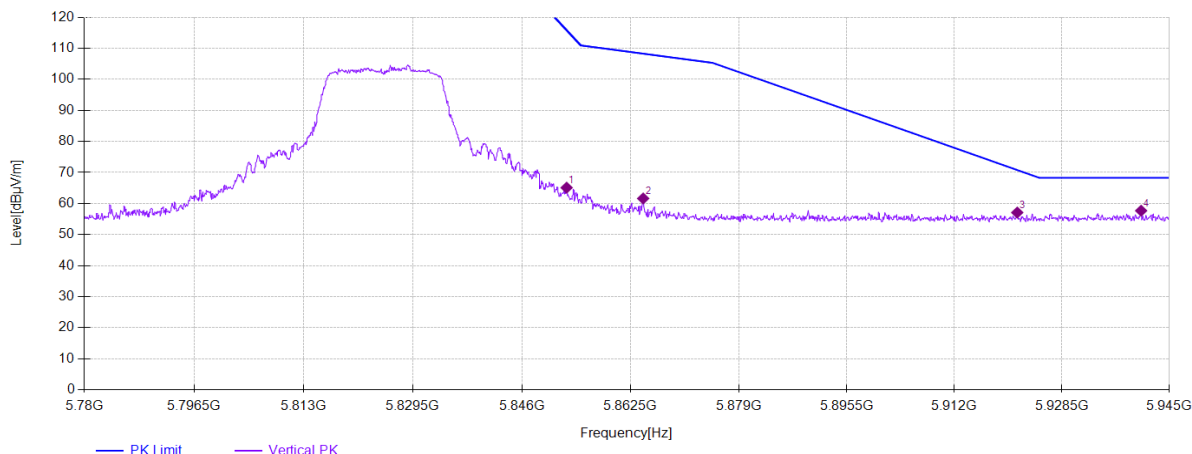
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## 802.11n20\_Channel 165



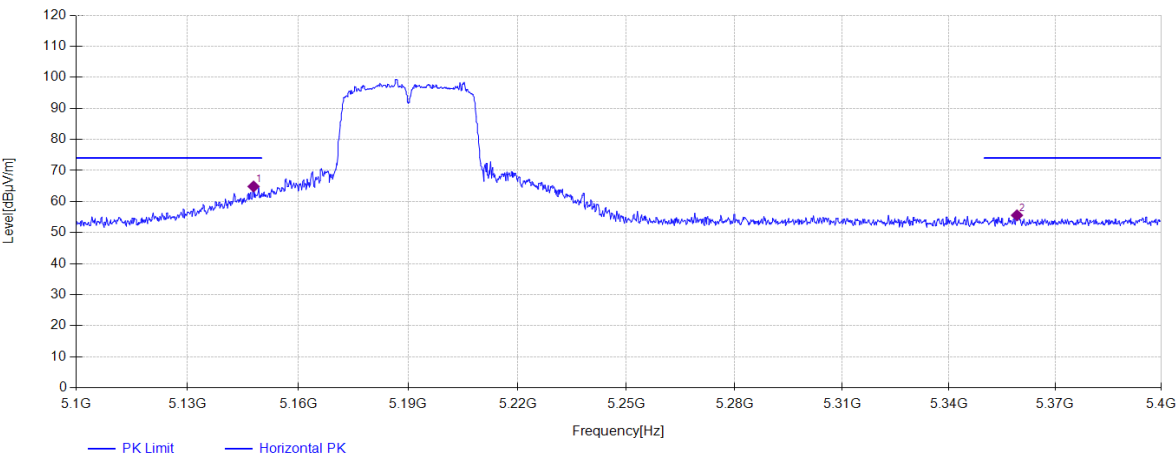
Data List								
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1	5852.8014	44.79	32.61	-12.30	65.10	115.91	50.81	Vertical
2	5864.4397	41.22	32.66	-12.25	61.63	108.26	46.63	Vertical
3	5921.6408	36.36	32.84	-12.10	57.10	70.79	13.69	Vertical
4	5940.7079	36.91	32.88	-12.10	57.69	68.30	10.61	Vertical

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### 802.11n40\_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5147.8739	46.14	31.79	-13.08	64.85	74.00	9.15	Horizontal
2	5359.1796	36.00	32.26	-12.69	55.57	74.00	18.43	Horizontal

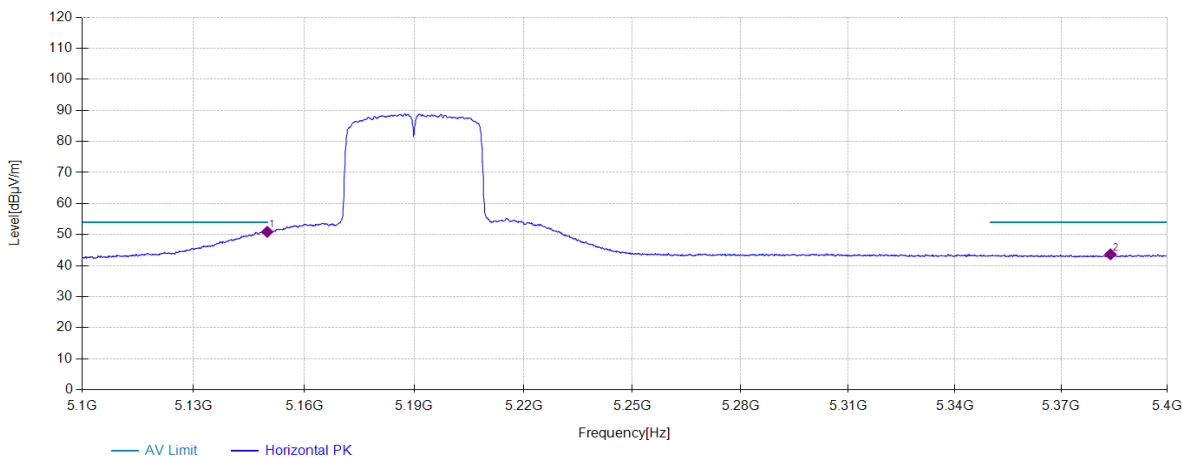
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### 802.11n40\_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.975	32.16	31.80	-13.07	50.89	54.00	3.11	Horizontal
2	5383.942	23.98	32.40	-12.73	43.65	54.00	10.35	Horizontal

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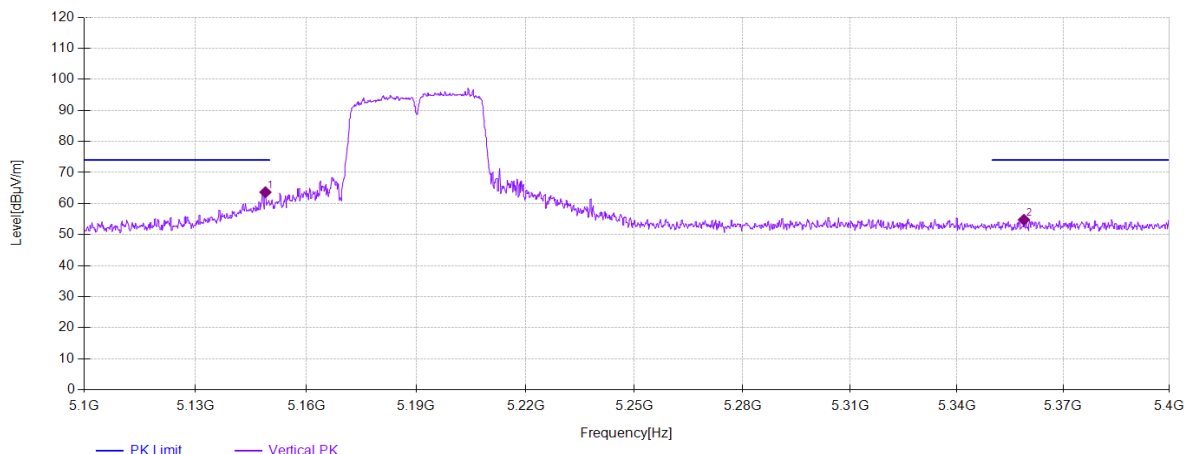
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## 802.11n40\_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.9245	44.93	31.79	-13.07	63.65	74.00	10.35	Vertical
2	5358.8794	35.22	32.25	-12.69	54.78	74.00	19.22	Vertical

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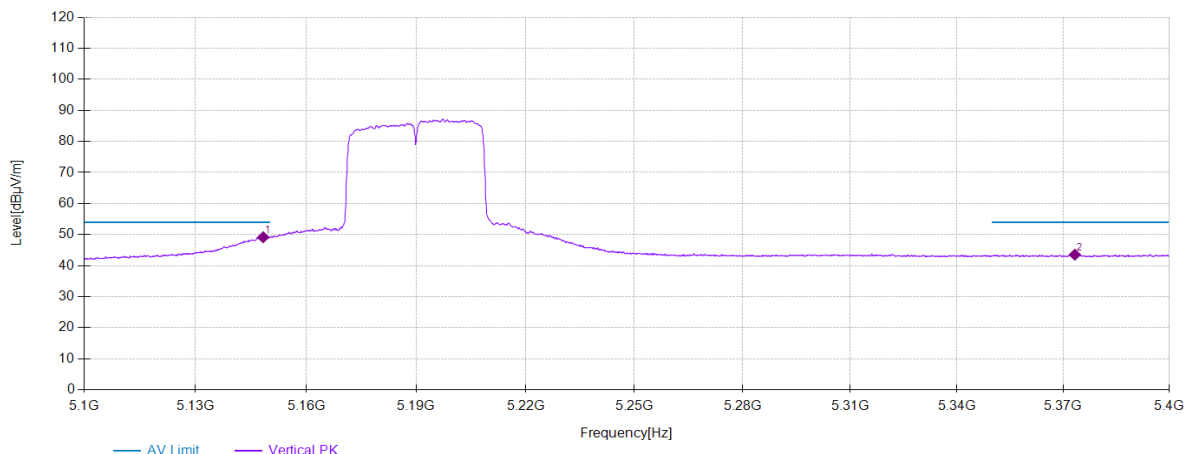
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Report No.: SUCR241200053004

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## 802.11n40\_Channel 38



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5148.3242	30.43	31.79	-13.08	49.14	54.00	4.86	Vertical
2	5373.2866	23.92	32.34	-12.72	43.54	54.00	10.46	Vertical

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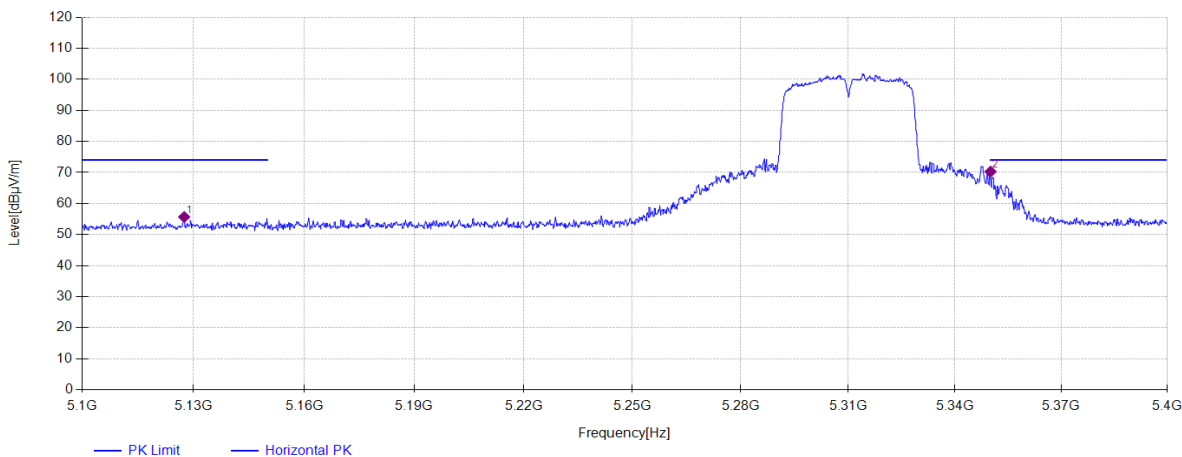
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802.11n40\_Channel 62



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5127.4637	37.15	31.66	-13.14	55.67	74.00	18.33	Horizontal
2	5350.025	50.75	32.20	-12.68	70.27	74.00	3.73	Horizontal

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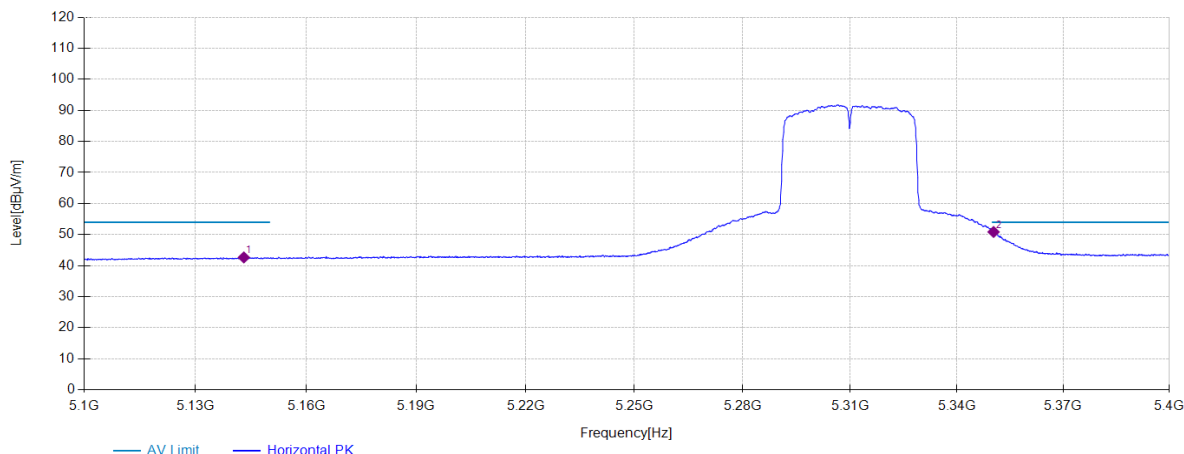
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## 802.11n40\_Channel 62



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5143.0715	23.98	31.76	-13.09	42.65	54.00	11.35	Horizontal
2	5350.3252	31.34	32.20	-12.68	50.86	54.00	3.14	Horizontal

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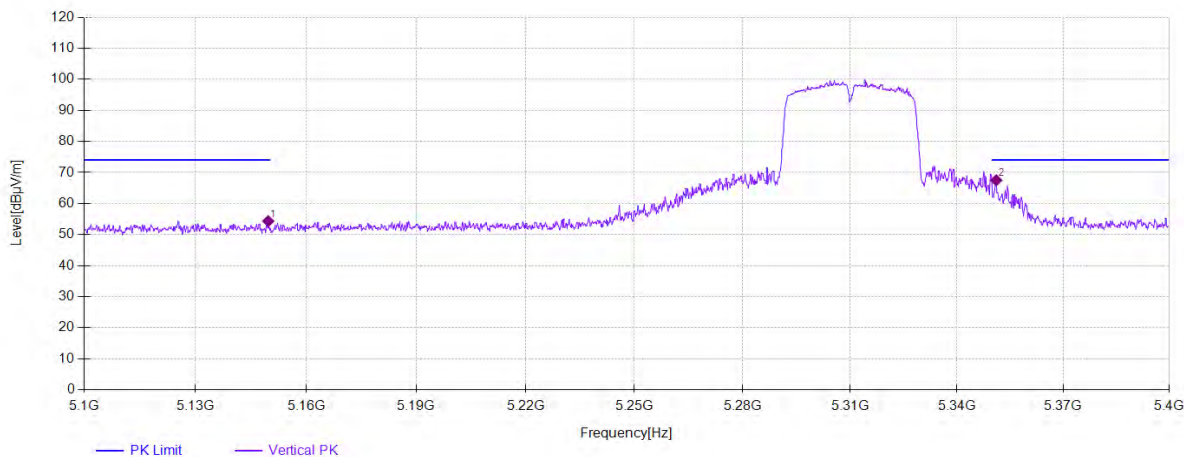
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802.11n40\_Channel 62



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5149.6748	35.61	31.80	-13.07	54.34	74.00	19.66	Vertical
2	5351.0755	47.96	32.21	-12.68	67.49	74.00	6.51	Vertical

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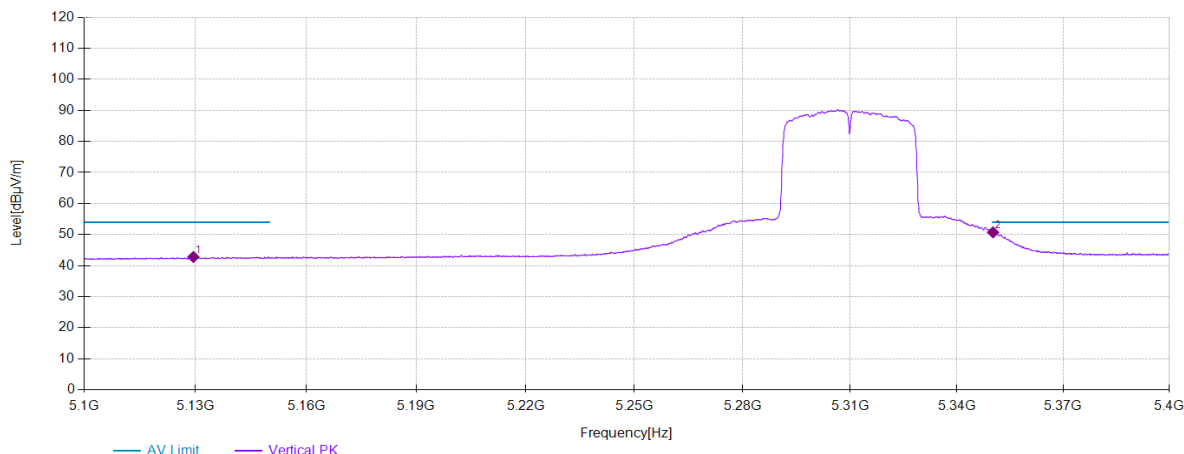
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### 802.11n40\_Channel 62



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5129.4147	24.25	31.68	-13.13	42.80	54.00	11.20	Vertical
2	5350.1751	31.21	32.20	-12.68	50.73	54.00	3.27	Vertical

### 802.11n40\_Channel 102

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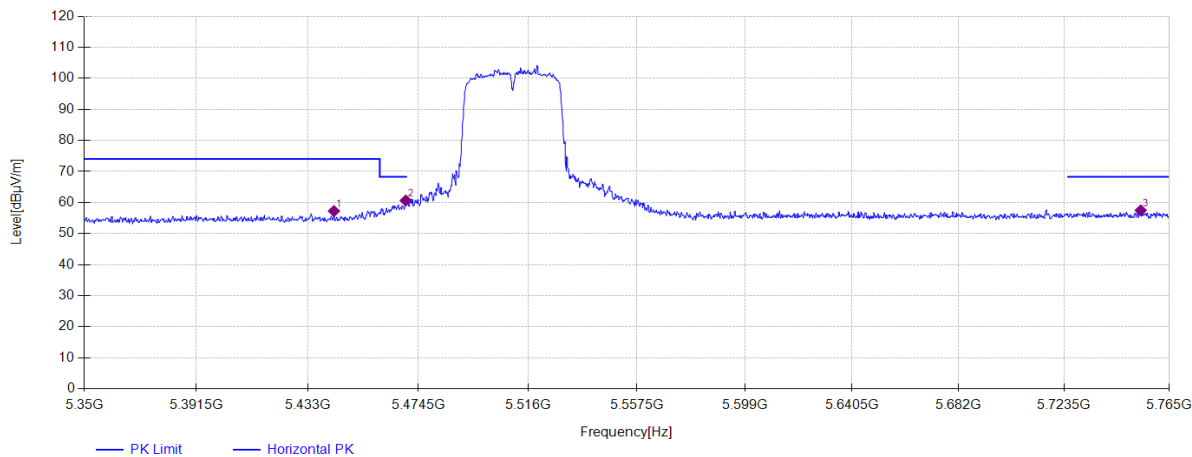
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Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5442.7989	37.66	32.24	-12.64	57.26	74.00	16.74	Horizontal
2	5469.7874	40.95	32.28	-12.58	60.65	68.30	7.65	Horizontal
3	5753.7894	37.49	32.49	-12.48	57.50	68.30	10.80	Horizontal

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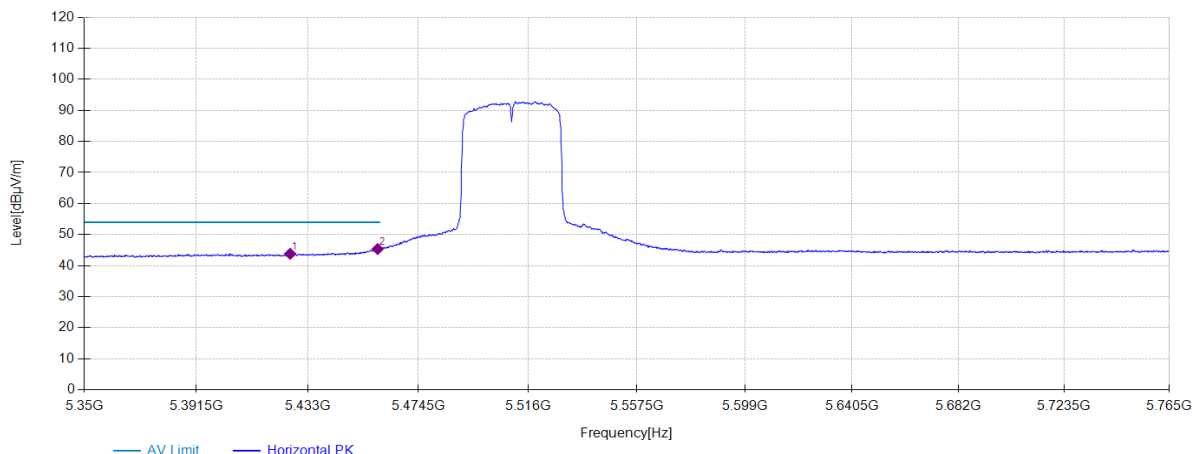
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## 802.11n40\_Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5426.3982	24.16	32.34	-12.69	43.81	54.00	10.19	Horizontal
2	5459.1996	25.71	32.24	-12.60	45.35	54.00	8.65	Horizontal

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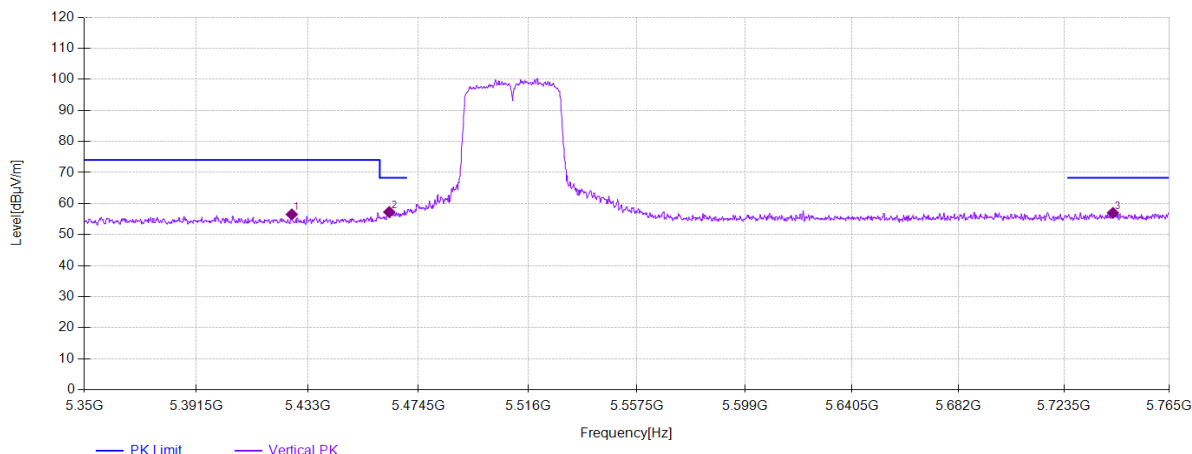
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

Report No.: SUCR241200053004

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## 802.11n40\_Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5427.021	36.84	32.34	-12.68	56.50	74.00	17.50	Vertical
2	5463.5593	37.61	32.25	-12.59	57.27	68.30	11.03	Vertical
3	5742.7864	36.98	32.50	-12.50	56.98	68.30	11.32	Vertical

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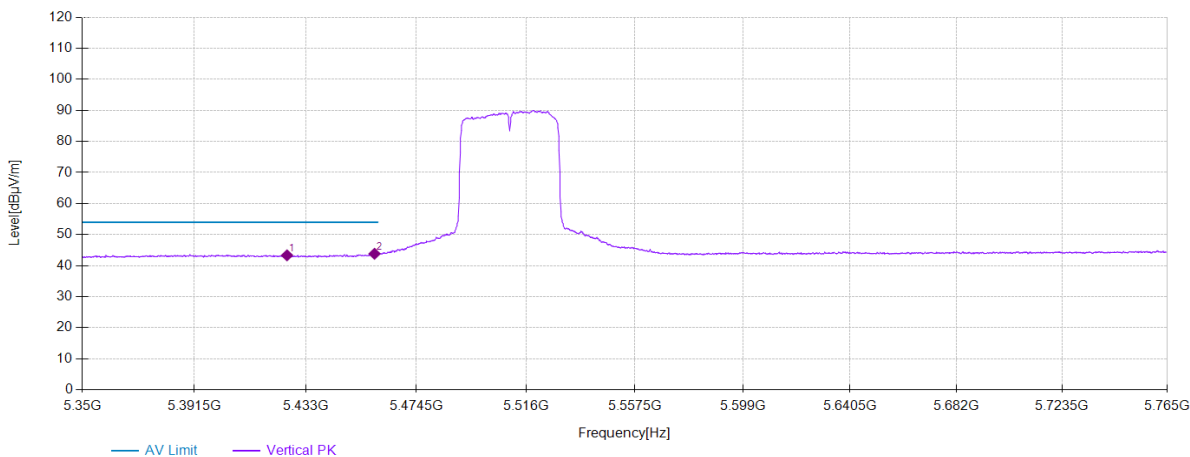
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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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802.11n40\_Channel 102



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5425.983	23.68	32.34	-12.69	43.33	54.00	10.67	Vertical
2	5458.7844	24.19	32.24	-12.60	43.83	54.00	10.17	Vertical

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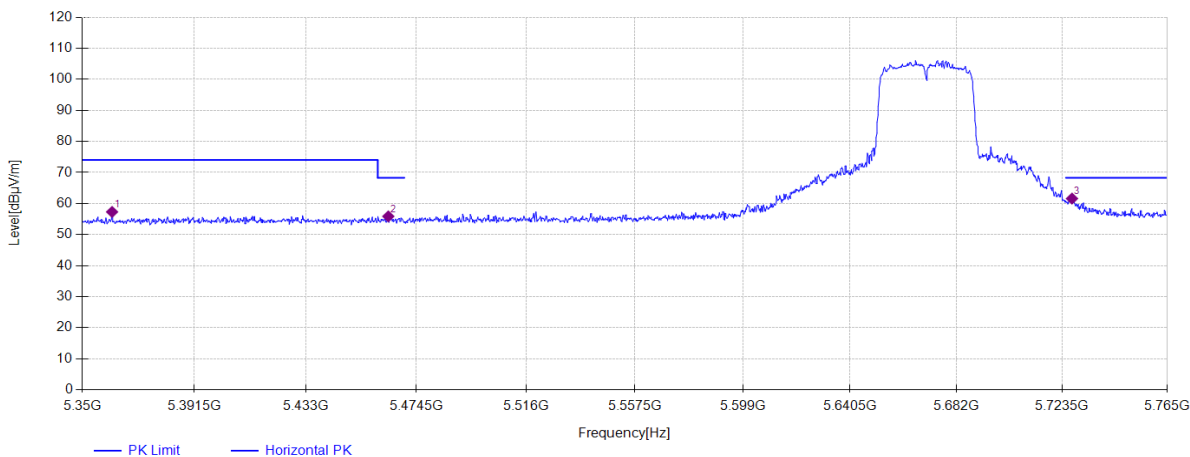
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802.11n40\_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5361.003	37.74	32.27	-12.70	57.31	74.00	16.69	Horizontal
2	5463.9745	36.20	32.26	-12.59	55.87	68.30	12.43	Horizontal
3	5727.4237	41.59	32.50	-12.49	61.60	68.30	6.70	Horizontal

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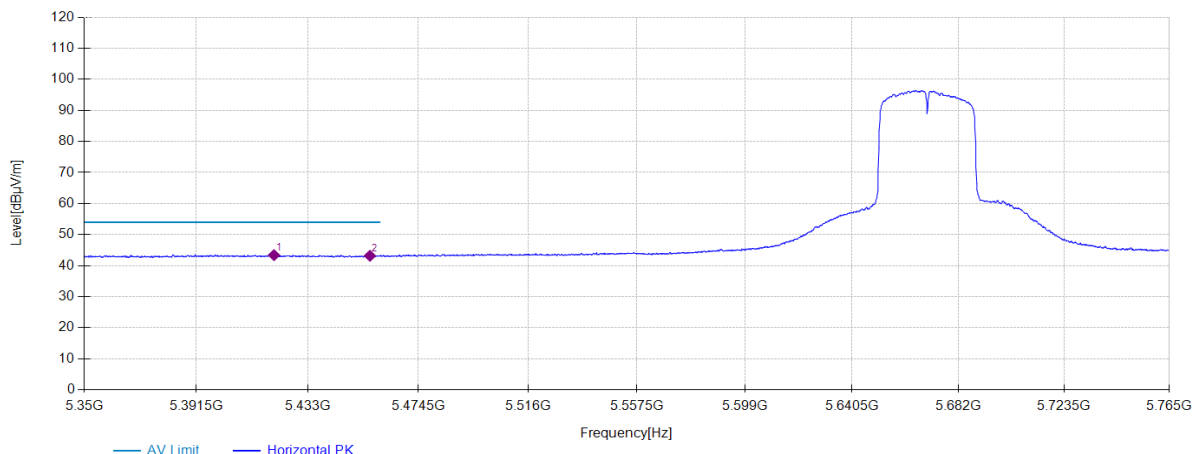
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## 802.11n40\_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5420.3777	23.71	32.38	-12.70	43.39	54.00	10.61	Horizontal
2	5456.2931	23.56	32.23	-12.61	43.18	54.00	10.82	Horizontal

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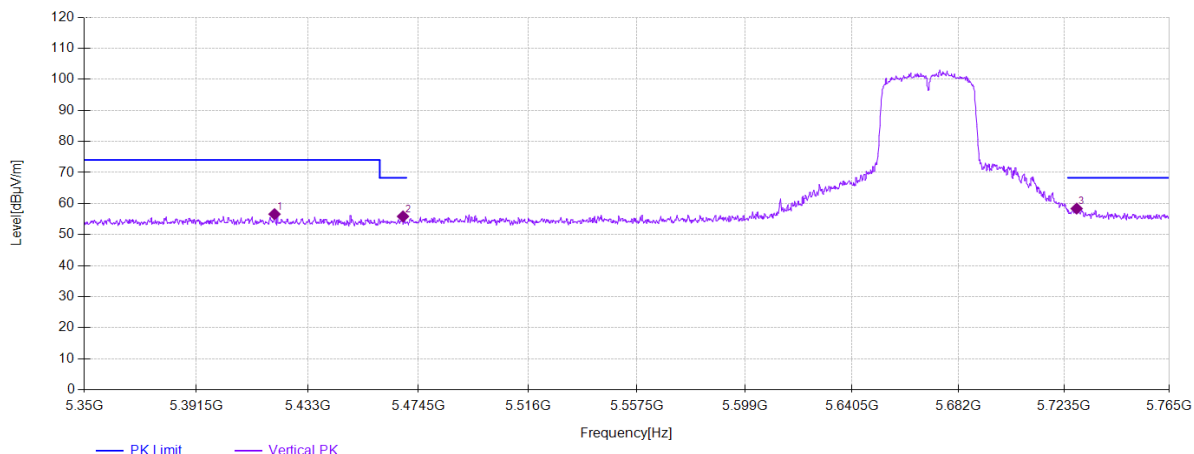
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n40\_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5420.5853	36.91	32.38	-12.70	56.59	74.00	17.41	Vertical
2	5468.7494	36.17	32.27	-12.58	55.86	68.30	12.44	Vertical
3	5728.4617	38.36	32.50	-12.49	58.37	68.30	9.93	Vertical

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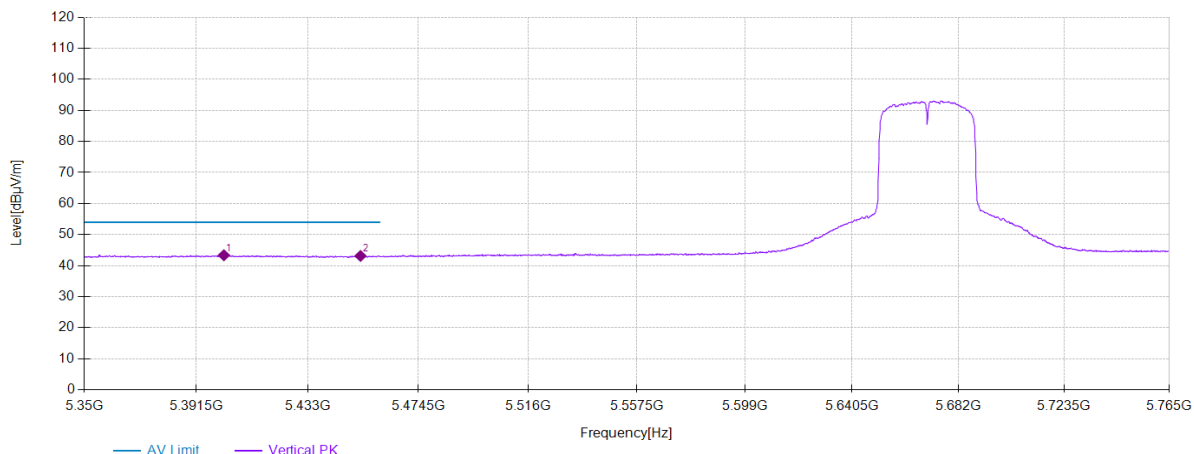
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n40\_Channel 134



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5401.6933	23.62	32.49	-12.76	43.35	54.00	10.65	Vertical
2	5452.7639	23.53	32.21	-12.61	43.13	54.00	10.87	Vertical

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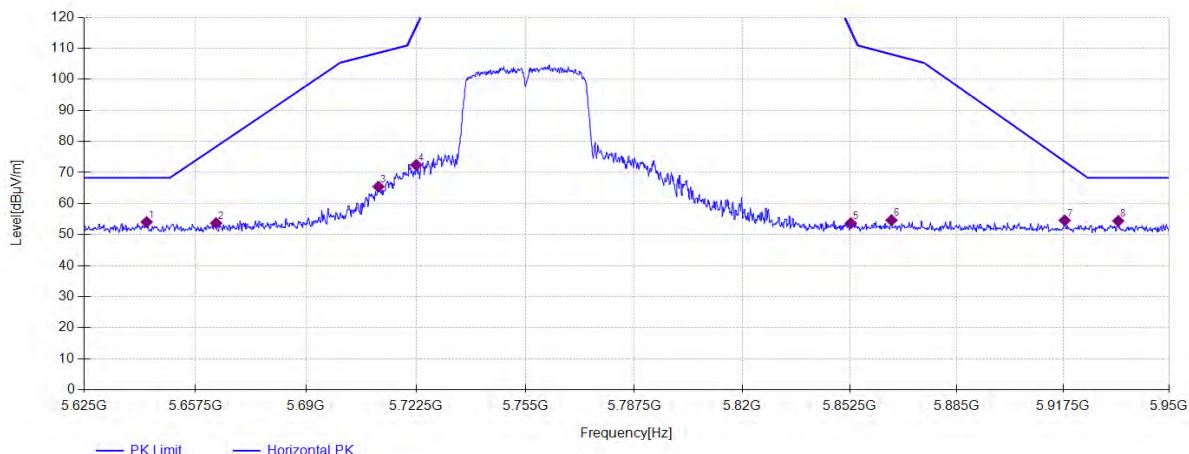
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n40\_Channel 151



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5643.2091	34.08	32.51	-12.55	54.04	68.30	14.26	Horizontal
2	5663.5318	33.73	32.50	-12.54	53.69	78.31	24.62	Horizontal
3	5711.3307	45.41	32.50	-12.48	65.43	108.47	43.04	Horizontal
4	5722.5488	52.41	32.50	-12.49	72.42	116.71	44.29	Horizontal
5	5852.7764	33.35	32.61	-12.30	53.66	115.97	62.31	Horizontal
6	5865.1326	34.23	32.66	-12.25	54.64	108.06	53.42	Horizontal
7	5917.9715	33.84	32.84	-12.10	54.58	73.50	18.92	Horizontal
8	5934.3922	33.64	32.87	-12.10	54.41	68.30	13.89	Horizontal

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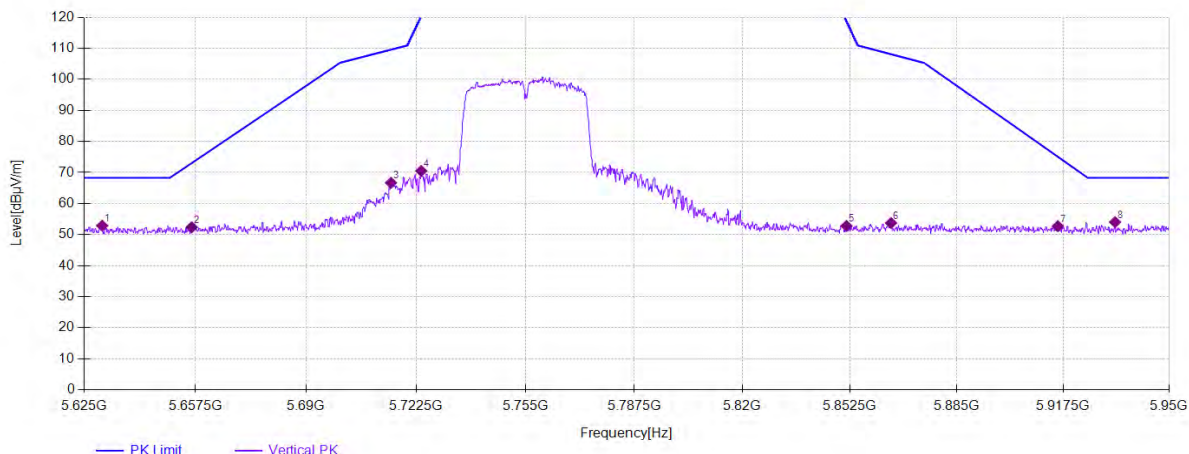
# SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd

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## 802.11n40\_Channel 151



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5630.2026	32.86	32.54	-12.52	52.88	68.30	15.42	Vertical
2	5656.3782	32.42	32.50	-12.55	52.37	73.02	20.65	Vertical
3	5715.07	46.68	32.50	-12.49	66.69	109.52	42.83	Vertical
4	5724.012	50.51	32.50	-12.49	70.52	120.05	49.53	Vertical
5	5851.4757	32.50	32.61	-12.30	52.81	118.94	66.13	Vertical
6	5864.97	33.32	32.66	-12.25	53.73	108.11	54.38	Vertical
7	5915.8579	31.98	32.83	-12.10	52.71	75.07	22.36	Vertical
8	5933.4167	33.27	32.87	-12.10	54.04	68.30	14.26	Vertical

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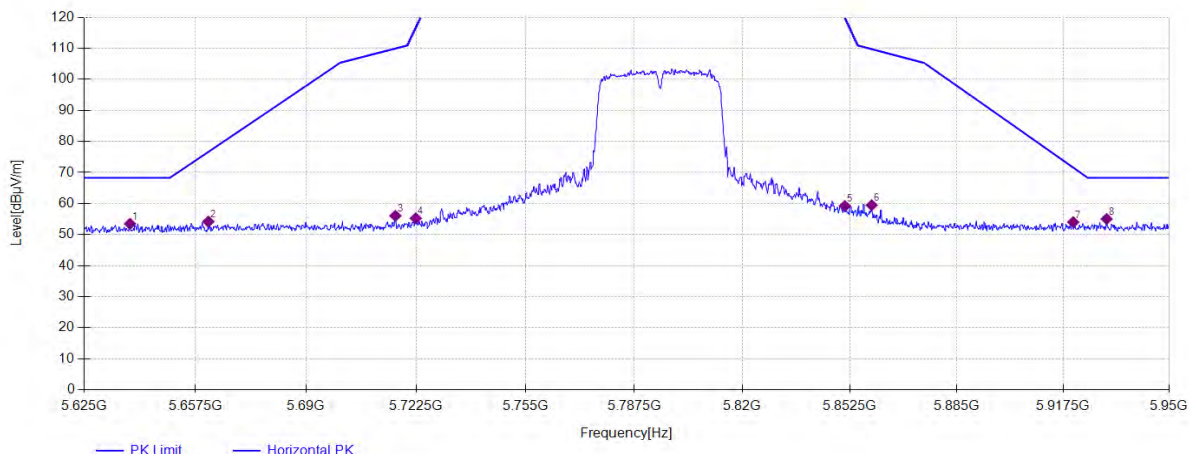
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## 802.11n40\_Channel 159



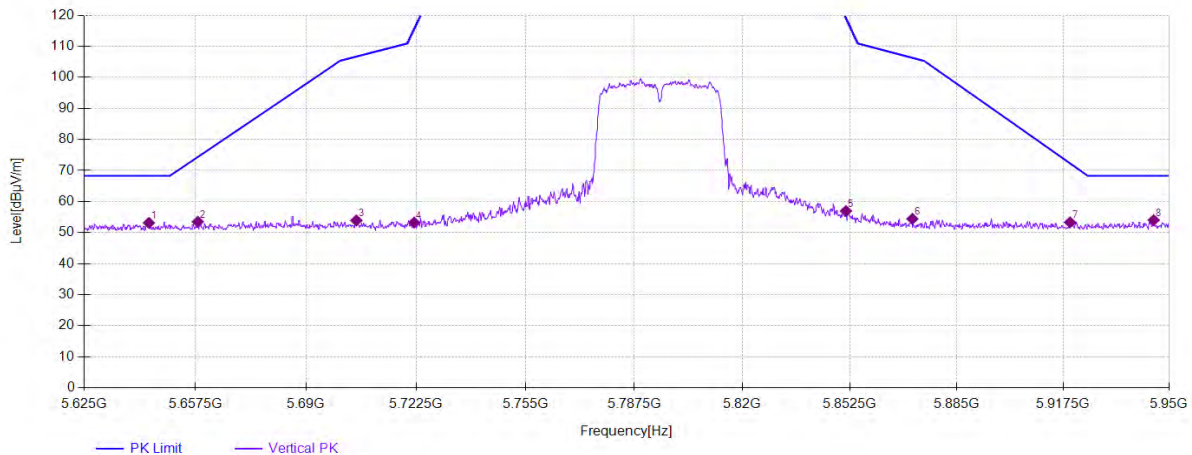
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5638.3317	33.49	32.52	-12.54	53.47	68.30	14.83	Horizontal
2	5661.2556	34.24	32.50	-12.54	54.20	76.63	22.43	Horizontal
3	5716.3707	36.05	32.50	-12.49	56.06	109.88	53.82	Horizontal
4	5722.3862	35.23	32.50	-12.49	55.24	116.34	61.10	Horizontal
5	5850.988	38.92	32.60	-12.31	59.21	120.05	60.84	Horizontal
6	5859.1171	39.09	32.64	-12.27	59.46	109.75	50.29	Horizontal
7	5920.5728	33.28	32.84	-12.10	54.02	71.58	17.56	Horizontal
8	5930.8154	34.28	32.86	-12.10	55.04	68.30	13.26	Horizontal

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### 802.11n40\_Channel 159



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF[dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	5643.8594	33.18	32.51	-12.55	53.14	68.30	15.16	Vertical
2	5658.1666	33.55	32.50	-12.55	53.50	74.34	20.84	Vertical
3	5704.8274	33.90	32.50	-12.48	53.92	106.65	52.73	Vertical
4	5721.8984	33.22	32.50	-12.49	53.23	115.23	62.00	Vertical
5	5851.3132	36.65	32.61	-12.30	56.96	119.31	62.35	Vertical
6	5871.4732	33.95	32.69	-12.22	54.42	106.29	51.87	Vertical
7	5919.5973	32.56	32.84	-12.10	53.30	72.30	19.00	Vertical
8	5945.2851	33.24	32.89	-12.10	54.03	68.30	14.27	Vertical

#### Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

Level = Reading(dBμV) + AF(dB/m) + Factor(dB):

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit(dBμV/m) – Level(dBμV/m)

- Both peak and average measured complies with the limit line, so test result is "PASS"

---End of Report---

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