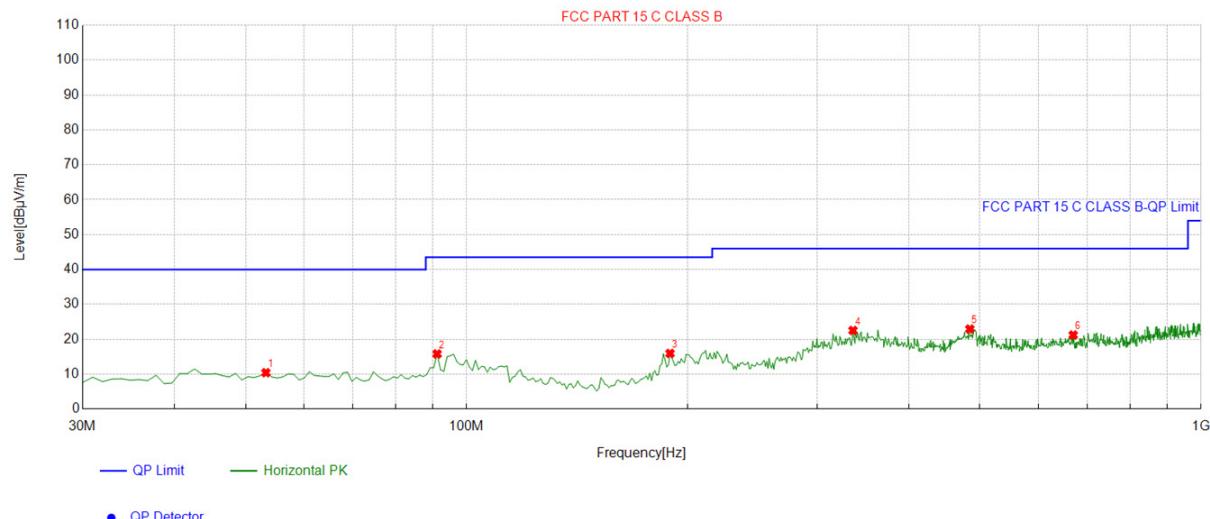




Series Model No.: R12 pro

Horizontal

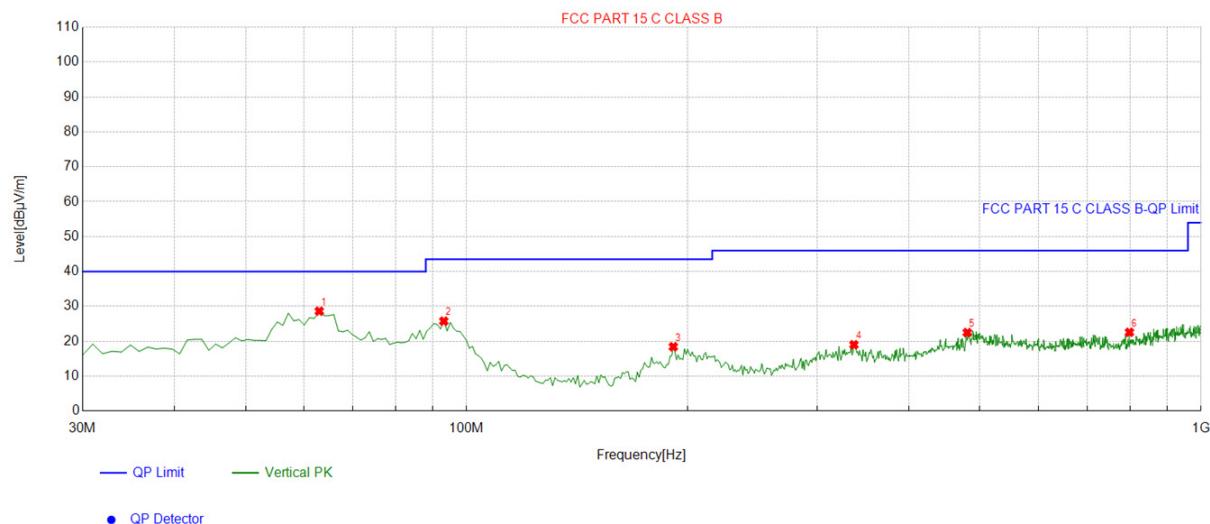


Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	53.303303	-13.66	24.08	10.42	40.00	29.58	100	299	Horizontal
2	91.171171	-16.91	32.71	15.80	43.50	27.70	100	16	Horizontal
3	189.23923	-15.52	31.46	15.94	43.50	27.56	100	73	Horizontal
4	335.85585	-10.57	33.10	22.53	46.00	23.47	100	266	Horizontal
5	484.41441	-7.98	30.90	22.92	46.00	23.08	100	110	Horizontal
6	669.86987	-4.39	25.60	21.21	46.00	24.79	100	241	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	63.013013	-14.48	43.10	28.62	40.00	11.38	100	92	Vertical
2	93.113113	-15.92	41.68	25.76	43.50	17.74	100	136	Vertical
3	191.181118	-15.86	34.29	18.43	43.50	25.07	100	92	Vertical
4	336.82682	-10.51	29.51	19.00	46.00	27.00	100	234	Vertical
5	480.53053	-8.25	30.74	22.49	46.00	23.51	100	306	Vertical
6	799.00900	-3.11	25.68	22.57	46.00	23.43	100	2	Vertical

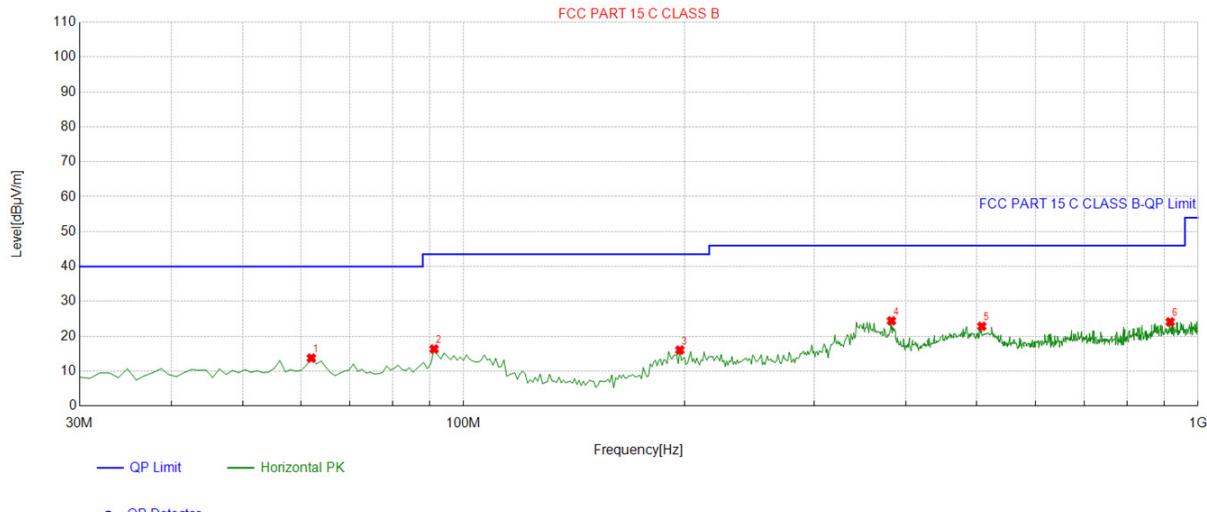
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



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Horizontal



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	62.042042	-14.29	28.03	13.74	40.00	26.26	100	292	Horizontal
2	91.171171	-16.91	33.25	16.34	43.50	27.16	100	358	Horizontal
3	197.00700	-14.97	31.02	16.05	43.50	27.45	100	100	Horizontal
4	382.46246	-9.17	33.60	24.43	46.00	21.57	100	248	Horizontal
5	507.71771	-8.29	31.14	22.85	46.00	23.15	100	118	Horizontal
6	916.49649	-1.02	25.14	24.12	46.00	21.88	100	196	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

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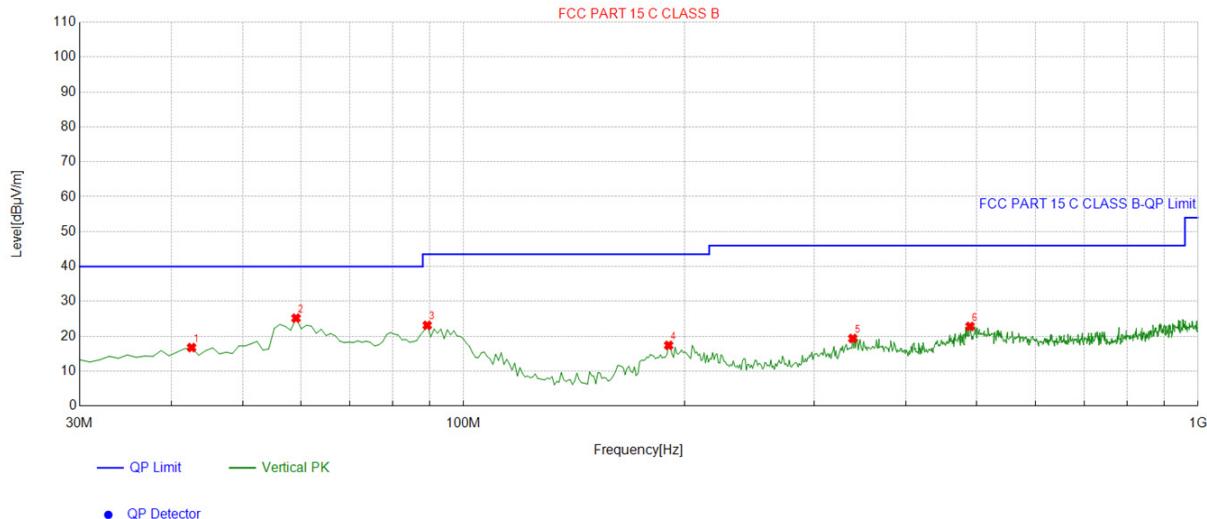
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Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.622623	-13.31	30.07	16.76	40.00	23.24	100	212	Vertical
2	59.129129	-13.54	38.73	25.19	40.00	14.81	100	156	Vertical
3	89.229229	-16.75	39.89	23.14	43.50	20.36	100	212	Vertical
4	190.21021	-15.90	33.30	17.40	43.50	26.10	100	347	Vertical
5	338.76876	-10.40	29.76	19.36	46.00	26.64	100	233	Vertical
6	489.26926	-7.90	30.72	22.82	46.00	23.18	100	153	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

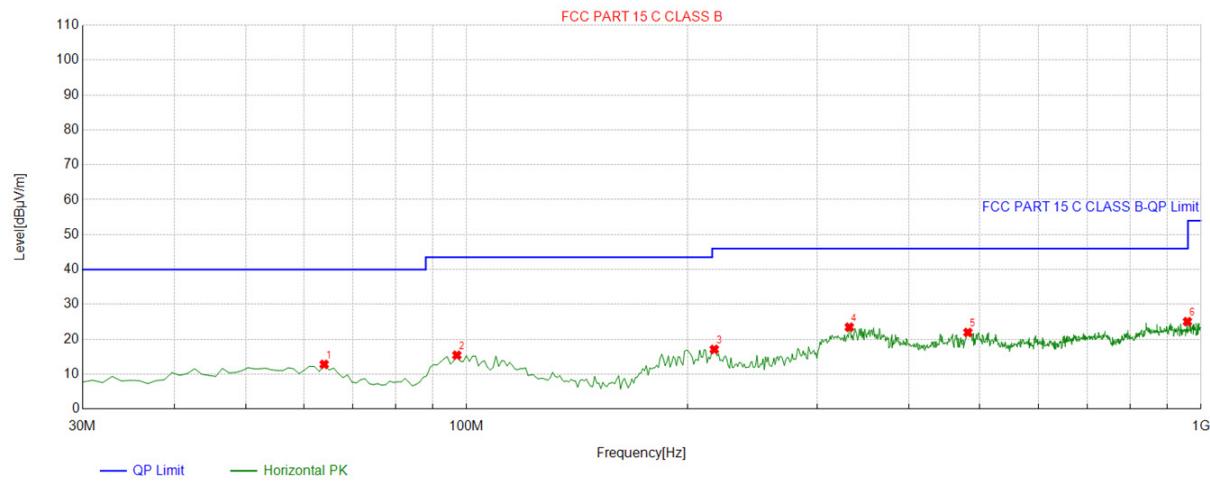
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Series Model No.: E50 Ultra

Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	63.983984	-14.38	27.19	12.81	40.00	27.19	100	226	Horizontal
2	96.996997	-14.95	30.38	15.43	43.50	28.07	100	352	Horizontal
3	217.39739	-14.66	31.76	17.10	46.00	28.90	100	80	Horizontal
4	331.97197	-10.78	34.24	23.46	46.00	22.54	100	270	Horizontal
5	481.50150	-8.18	30.13	21.95	46.00	24.05	100	147	Horizontal
6	958.24824	-0.66	25.72	25.06	46.00	20.94	100	235	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



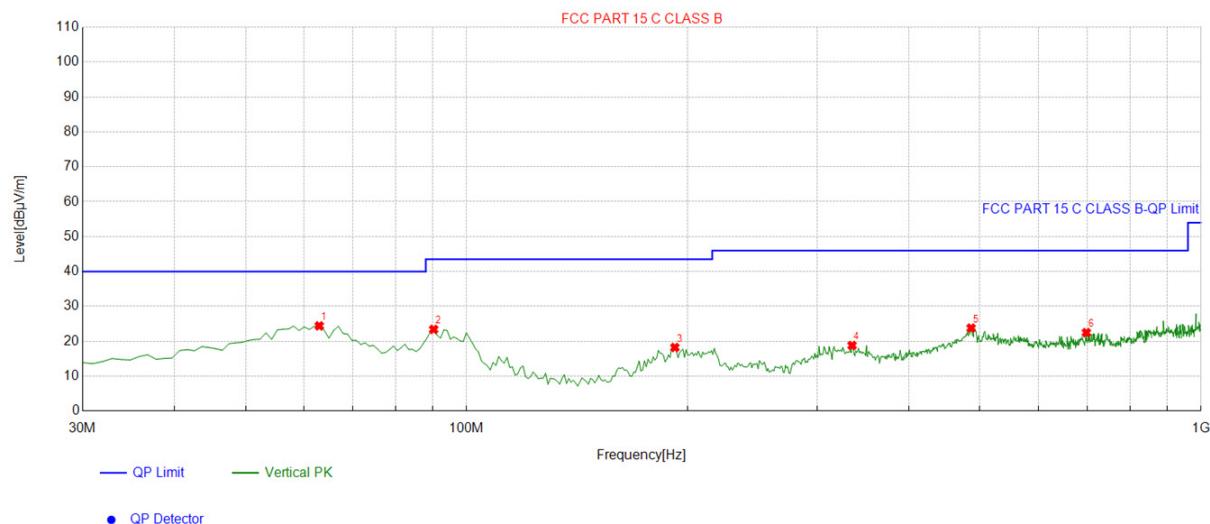
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Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	63.013013	-14.48	38.89	24.41	40.00	15.59	100	324	Vertical
2	90.2002	-16.68	40.08	23.40	43.50	20.10	100	202	Vertical
3	192.15215	-15.74	33.96	18.22	43.50	25.28	100	11	Vertical
4	334.88488	-10.61	29.40	18.79	46.00	27.21	100	202	Vertical
5	486.35635	-7.92	31.69	23.77	46.00	22.23	100	122	Vertical
6	698.02802	-4.33	26.81	22.48	46.00	23.52	100	259	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

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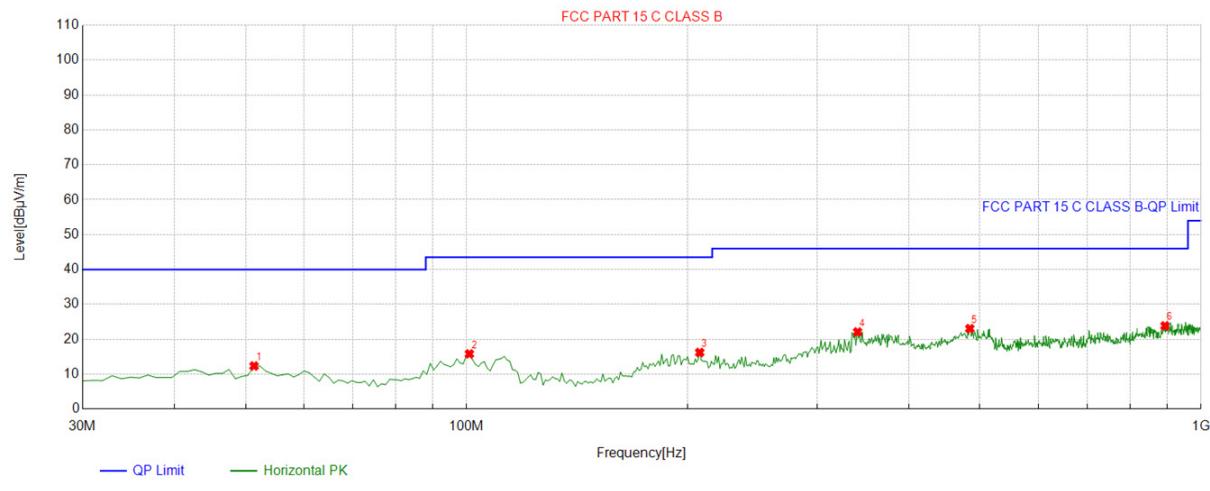
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Series Model No.: I16 pro max

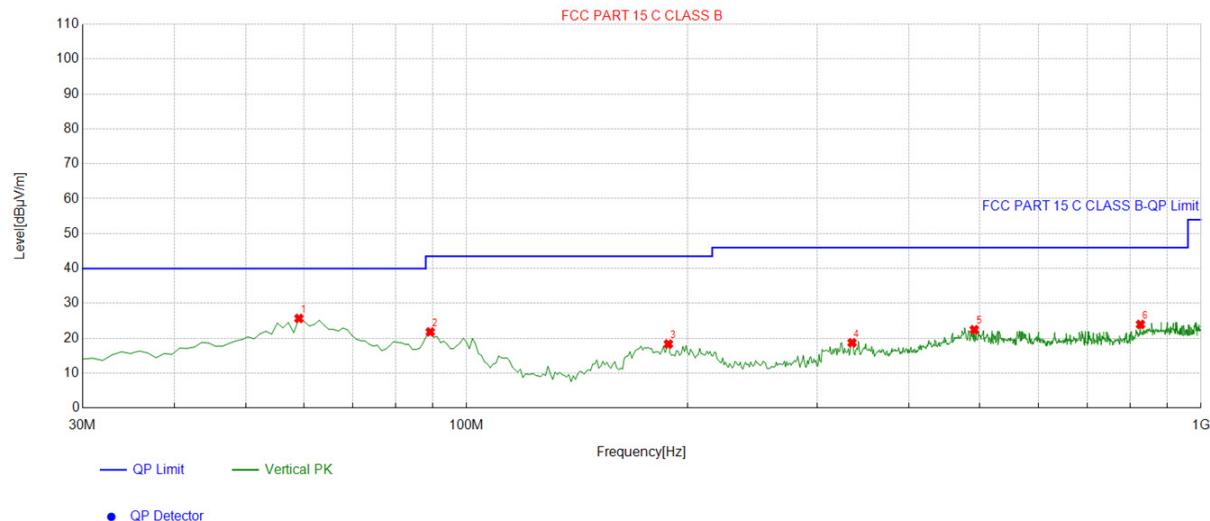
Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	51.361361	-13.25	25.59	12.34	40.00	27.66	100	176	Horizontal
2	100.88088	-14.60	30.41	15.81	43.50	27.69	100	346	Horizontal
3	207.68768	-15.09	31.30	16.21	43.50	27.29	100	84	Horizontal
4	340.71071	-10.30	32.40	22.10	46.00	23.90	100	246	Horizontal
5	484.41441	-7.98	31.03	23.05	46.00	22.95	100	127	Horizontal
6	893.19319	-1.30	25.14	23.84	46.00	22.16	100	10	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

Vertical



Suspected List

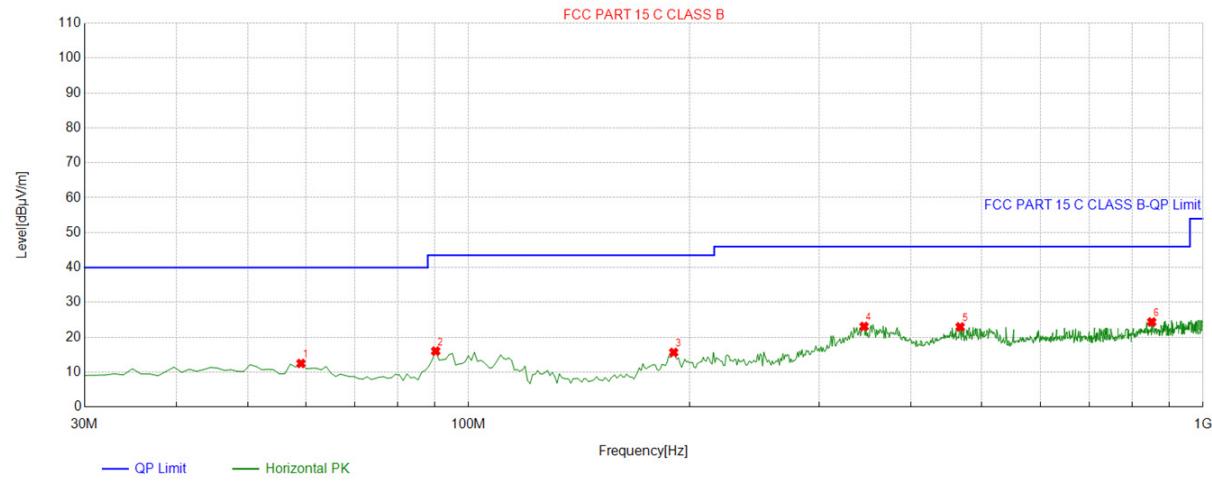
Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	59.129129	-13.54	39.22	25.68	40.00	14.32	100	122	Vertical
2	89.229229	-16.75	38.56	21.81	43.50	21.69	100	226	Vertical
3	188.26826	-15.99	34.34	18.35	43.50	25.15	100	2	Vertical
4	334.88488	-10.61	29.33	18.72	46.00	27.28	100	162	Vertical
5	491.21121	-7.88	30.33	22.45	46.00	23.55	100	223	Vertical
6	827.16716	-2.62	26.59	23.97	46.00	22.03	100	206	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



Series Model No.: P6 pro

Horizontal



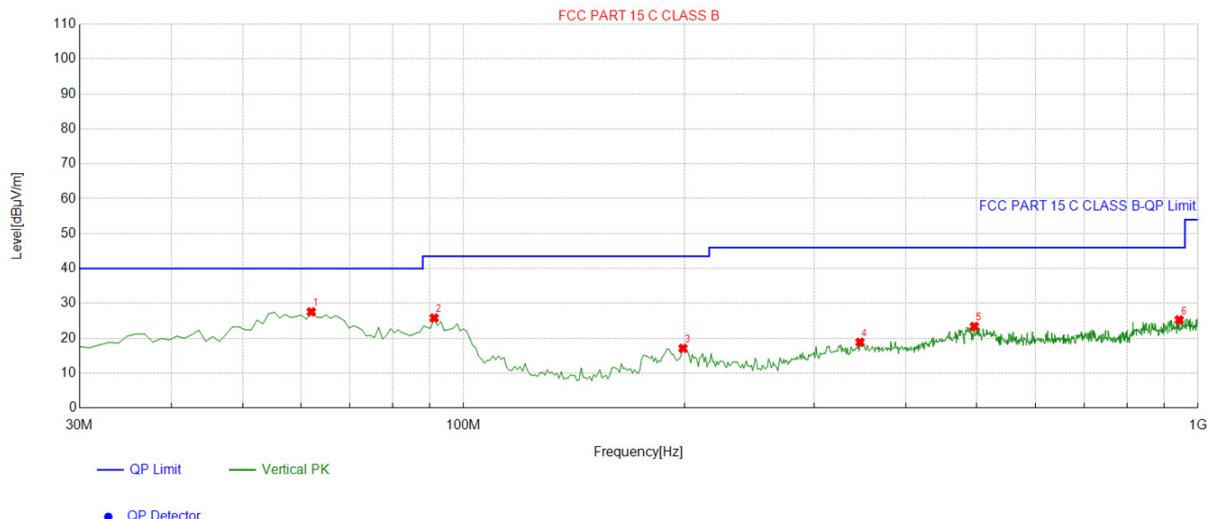
Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	59.129129	-13.54	26.04	12.50	40.00	27.50	100	155	Horizontal
2	90.2002	-16.68	32.71	16.03	43.50	27.47	100	348	Horizontal
3	190.21021	-15.90	31.56	15.66	43.50	27.84	100	86	Horizontal
4	345.565556	-10.12	33.22	23.10	46.00	22.90	100	83	Horizontal
5	466.93693	-8.64	31.61	22.97	46.00	23.03	100	109	Horizontal
6	851.44144	-1.53	25.90	24.37	46.00	21.63	100	338	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



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Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	62.042042	-14.29	41.87	27.58	40.00	12.42	100	246	Vertical
2	91.171171	-16.91	42.71	25.80	43.50	17.70	100	108	Vertical
3	198.94894	-14.75	31.86	17.11	43.50	26.39	100	360	Vertical
4	346.536653	-10.10	28.95	18.85	46.00	27.15	100	235	Vertical
5	496.06606	-7.90	31.27	23.37	46.00	22.63	100	307	Vertical
6	942.71271	-0.67	25.93	25.26	46.00	20.74	100	321	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;

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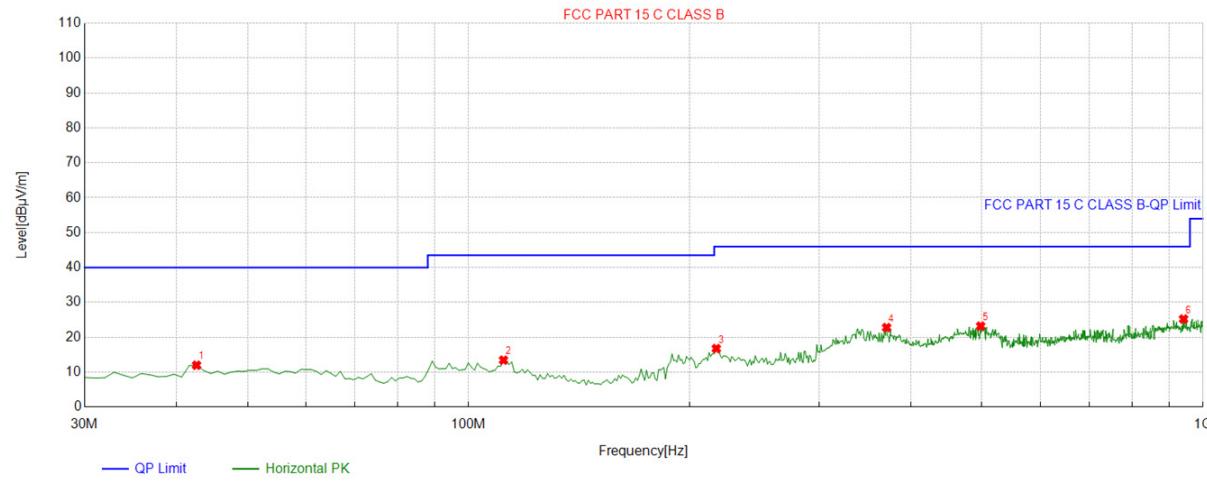
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Series Model No.: Sp20 Pro

Horizontal



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.622623	-13.31	25.30	11.99	40.00	28.01	100	259	Horizontal
2	111.56156	-14.50	27.94	13.44	43.50	30.06	100	359	Horizontal
3	217.39739	-14.66	31.42	16.76	46.00	29.24	100	83	Horizontal
4	370.81081	-9.93	32.71	22.78	46.00	23.22	100	123	Horizontal
5	498.00800	-8.03	31.23	23.20	46.00	22.80	100	120	Horizontal
6	940.77077	-0.90	26.12	25.22	46.00	20.78	100	183	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level:



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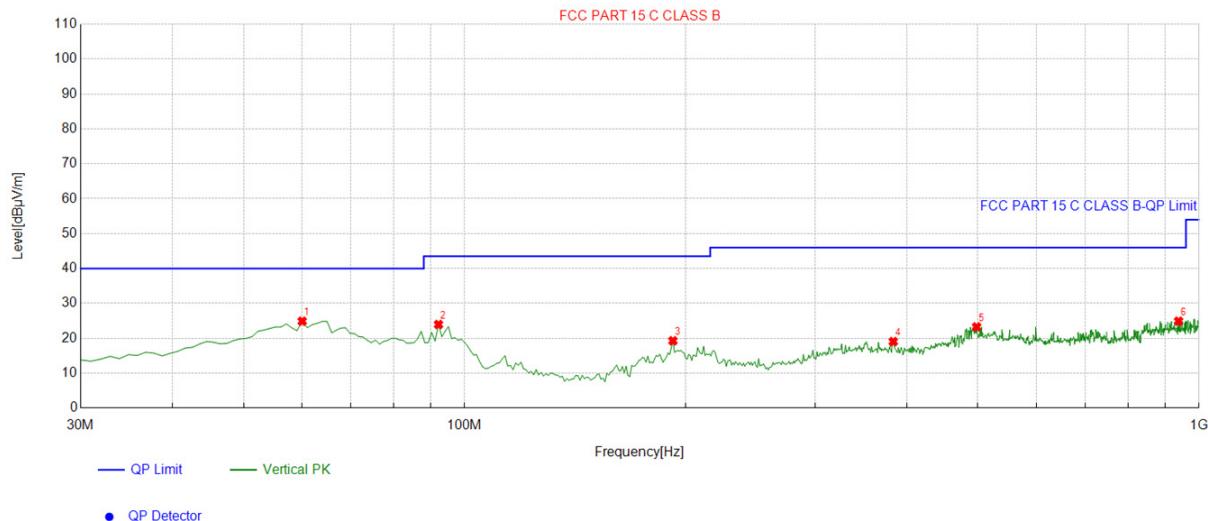
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Vertical



Suspected List

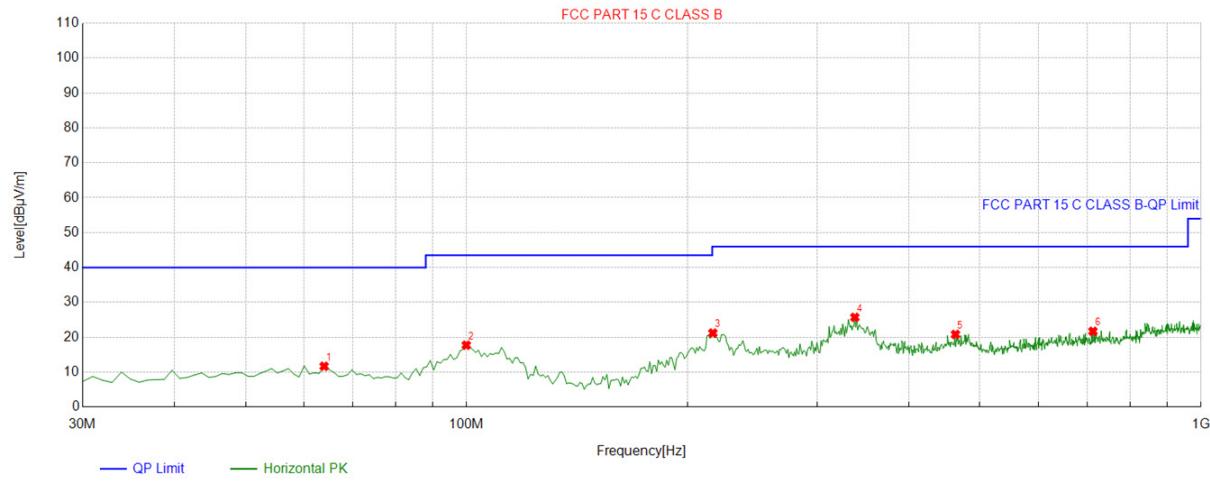
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	60.1001	-13.96	38.85	24.89	40.00	15.11	100	105	Vertical
2	92.142142	-16.47	40.42	23.95	43.50	19.55	100	221	Vertical
3	192.15215	-15.74	35.03	19.29	43.50	24.21	100	278	Vertical
4	383.43343	-9.11	28.17	19.06	46.00	26.94	100	261	Vertical
5	498.00800	-8.03	31.28	23.25	46.00	22.75	100	307	Vertical
6	937.85785	-1.24	26.14	24.90	46.00	21.10	100	71	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



Series Model No.: OP12 pro

Horizontal



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	63.983984	-14.38	26.07	11.69	40.00	28.31	100	134	Horizontal
2	99.909991	-14.70	32.43	17.73	43.50	25.77	100	3	Horizontal
3	216.42642	-14.69	35.90	21.21	46.00	24.79	100	87	Horizontal
4	337.79779	-10.46	36.16	25.70	46.00	20.30	100	81	Horizontal
5	463.05305	-8.80	29.62	20.82	46.00	25.18	100	316	Horizontal
6	712.59259	-4.09	25.80	21.71	46.00	24.29	100	284	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level:



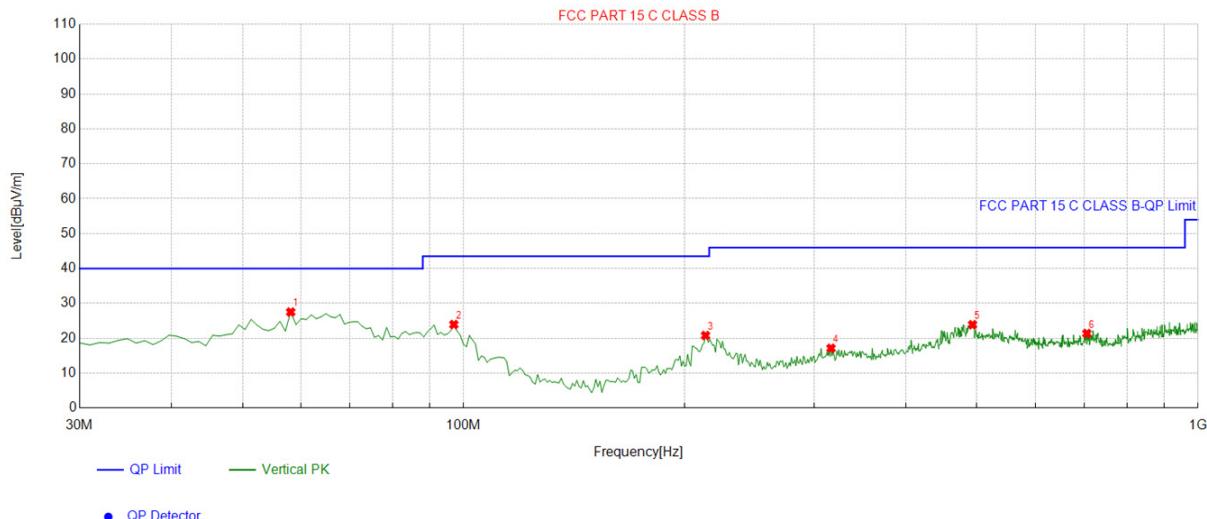
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Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	58.158158	-14.00	41.52	27.52	40.00	12.48	100	290	Vertical
2	96.996997	-14.95	38.89	23.94	43.50	19.56	100	356	Vertical
3	213.51351	-14.79	35.58	20.79	43.50	22.71	100	116	Vertical
4	316.43643	-11.36	28.50	17.14	46.00	28.86	100	301	Vertical
5	493.15315	-7.86	31.75	23.89	46.00	22.11	100	230	Vertical
6	705.79579	-4.22	25.59	21.37	46.00	24.63	100	26	Vertical

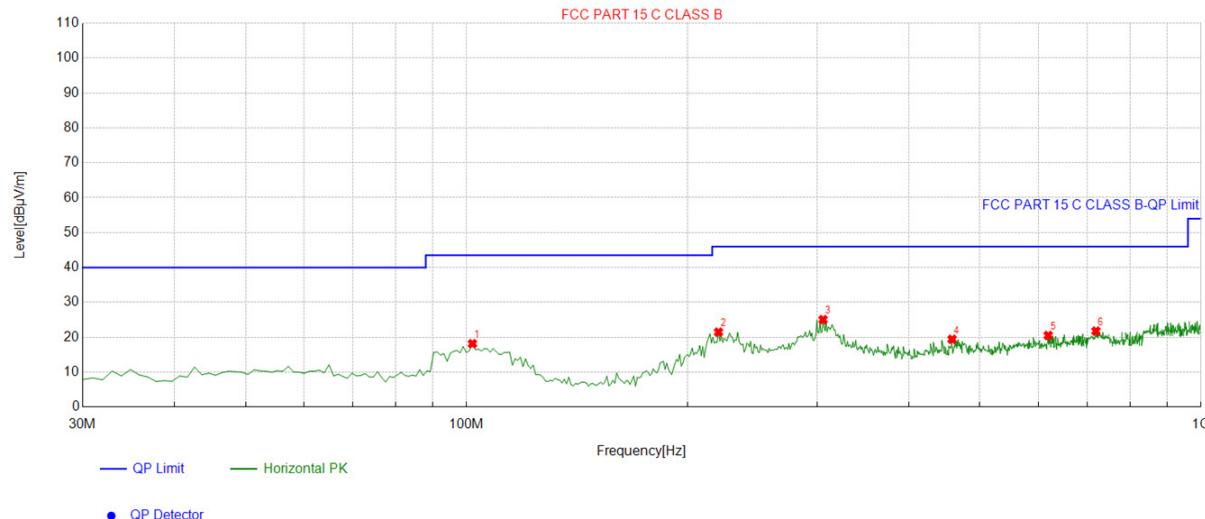
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



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Series Model No.: T3 Pro

Horizontal



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	101.85185	-14.86	33.02	18.16	43.50	25.34	100	17	Horizontal
2	220.31031	-14.54	36.01	21.47	46.00	24.53	100	51	Horizontal
3	305.75575	-11.90	36.95	25.05	46.00	20.95	100	251	Horizontal
4	458.19819	-8.91	28.33	19.42	46.00	26.58	100	338	Horizontal
5	619.37937	-5.51	26.02	20.51	46.00	25.49	100	190	Horizontal
6	719.38938	-4.26	26.03	21.77	46.00	24.23	100	277	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



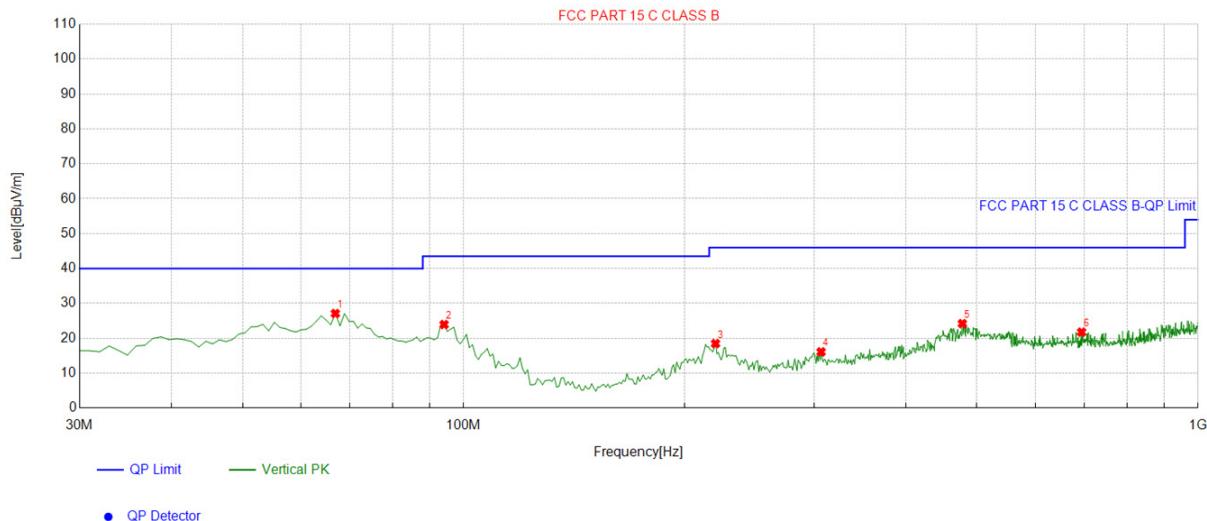
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Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	66.896897	-16.17	43.27	27.10	40.00	12.90	100	207	Vertical
2	94.084084	-15.78	39.72	23.94	43.50	19.56	100	46	Vertical
3	220.31031	-14.54	33.02	18.48	46.00	27.52	100	101	Vertical
4	306.72672	-11.89	27.99	16.10	46.00	29.90	100	204	Vertical
5	477.61761	-8.24	32.44	24.20	46.00	21.80	100	184	Vertical
6	694.14414	-4.16	25.92	21.76	46.00	24.24	100	83	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



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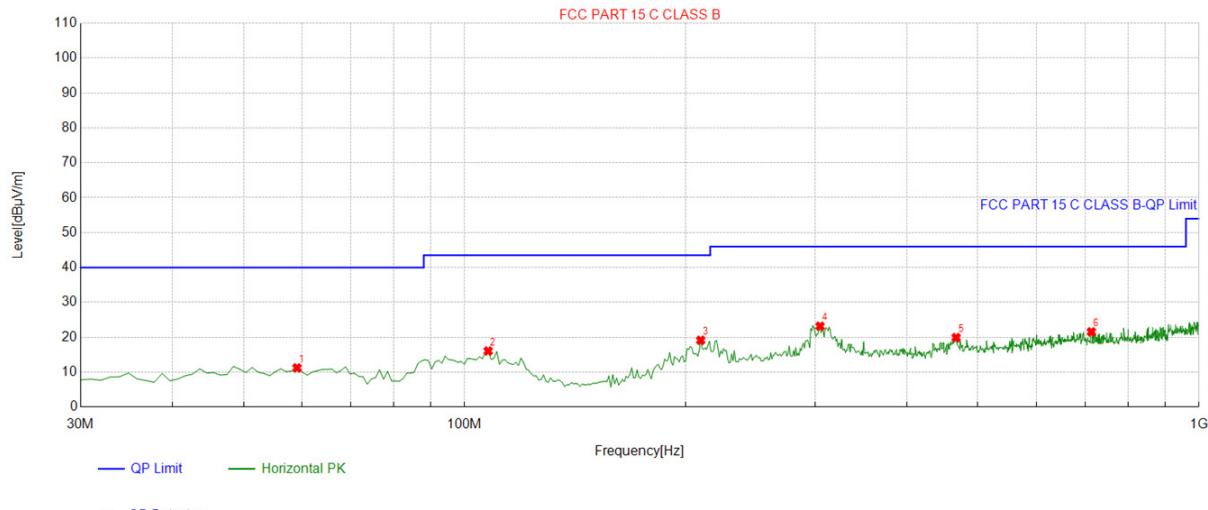
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Series Model No.: P8 Pro

Horizontal



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	59.129129	-13.54	24.76	11.22	40.00	28.78	100	115	Horizontal
2	107.67767	-14.18	30.24	16.06	43.50	27.44	100	22	Horizontal
3	209.62963	-14.93	34.07	19.14	43.50	24.36	100	68	Horizontal
4	304.78478	-11.91	35.08	23.17	46.00	22.83	100	250	Horizontal
5	466.93693	-8.64	28.54	19.90	46.00	26.10	100	314	Horizontal
6	713.56356	-4.12	25.67	21.55	46.00	24.45	100	48	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level;



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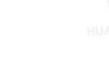
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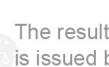
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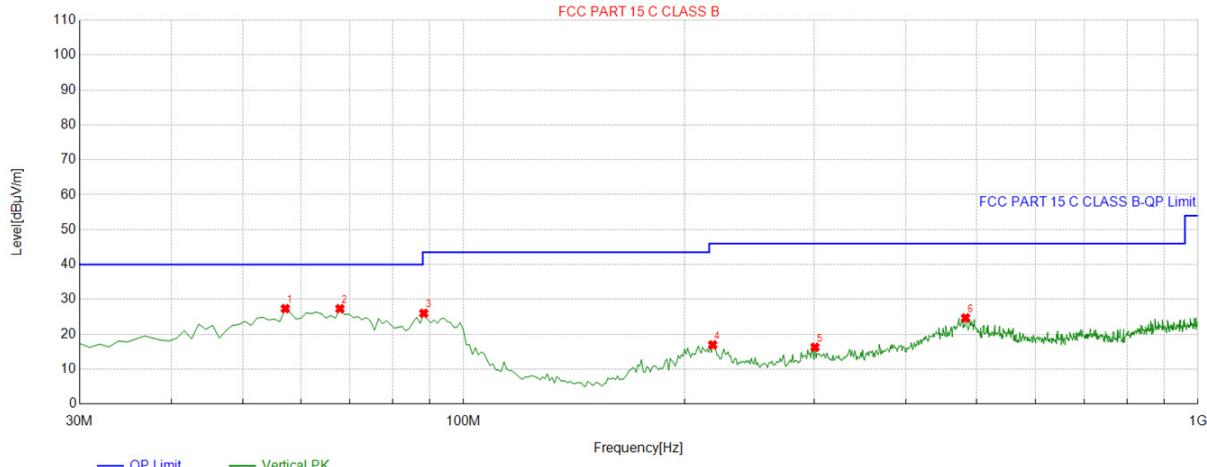
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Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	57.187187	-13.76	41.10	27.34	40.00	12.66	100	318	Vertical
2	67.867868	-16.02	43.35	27.33	40.00	12.67	100	87	Vertical
3	88.258258	-17.03	43.04	26.01	43.50	17.49	100	73	Vertical
4	218.36836	-14.63	31.61	16.98	46.00	29.02	100	113	Vertical
5	300.90090	-11.75	28.02	16.27	46.00	29.73	100	260	Vertical
6	482.47247	-8.11	32.80	24.69	46.00	21.31	100	272	Vertical

Note: 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement.

**Above 1GHz****Radiated Emission Test**

LOW CH 149 (802.11 a Mode with 5.8G)/5745

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3368	53.65	-4.59	49.06	68.2	-19.14	peak
11096	42.35	4.21	46.56	74	-27.44	peak
11096	39.86	4.21	44.07	54	-9.93	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3368	53.56	-4.59	48.97	68.2	-19.23	peak
11096	42.31	4.21	46.52	74	-27.48	peak
11096	40.57	4.21	44.78	54	-9.22	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.



HUAK TESTING

MID CH157 (802.11 a Mode with 5.8G)/5785

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3172	54.15	-4.59	49.56	68.2	-18.64	peak
10523	50.23	4.21	54.44	68.2	-13.76	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level- limit

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3172	52.78	-4.59	48.19	68.2	-20.01	peak
10523	51.07	4.21	55.28	68.2	-12.92	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

**HUAK TESTING**

HUAK TESTING

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	52.05	-4.59	47.46	74	-26.54	peak
2705	41.21	-4.59	36.62	54	-17.38	AVG
11717	51.08	4.84	55.92	74	-18.08	peak
11717	40.17	4.84	45.01	54	-8.99	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	51.97	-4.59	47.38	74	-26.62	peak
2705	42.58	-4.59	37.99	54	-16.01	AVG
11717	50.28	4.84	55.12	74	-18.88	peak
11717	39.77	4.84	44.61	54	-9.39	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dB μ V/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dB μ V/m(PK Value) <54 dB μ V/m(AV Limit), the Average Detected not need to completed.

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HUAK TESTING

5.8G 802.11n/HT20 Mode

LOW CH 149

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3368	55.78	-4.59	51.19	68.2	-17.01	peak
11096	51.26	4.21	55.47	74	-18.53	peak
11096	41.35	4.21	45.56	54	-8.44	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level Limit

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3368	53.78	-4.59	49.19	68.2	-19.01	peak
11096	52.35	4.21	56.56	74	-17.44	peak
11096	40.36	4.21	44.57	54	-9.43	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.



HUAK TESTING

MID CH157

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3172	57.88	-4.59	53.29	68.2	-14.91	peak
10523	51.26	4.21	55.47	68.2	-12.73	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - limit

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	52.87	-4.59	48.28	68.2	-19.92	peak
10523	51.34	4.21	55.55	68.2	-12.65	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - limit.



HUAK TESTING

HIGH CH165

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2705	51.98	-4.59	47.39	74	-26.61	peak
2705	42.02	-4.59	37.43	54	-16.57	AVG
11717	49.97	4.84	54.81	74	-19.19	peak
11717	38.66	4.84	43.5	54	-10.5	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level Limit

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2705	51.62	-4.59	47.03	74	-26.97	peak
2705	41.91	-4.59	37.32	54	-16.68	AVG
11717	51.01	4.84	55.85	74	-18.15	peak
11717	38.45	4.84	43.29	54	-10.71	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level Limit

Remark.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed



HUAK TESTING

MID CH159

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3172	60.38	-4.59	55.79	68.2	-12.41	peak
10523	52.44	4.21	56.65	68.2	-11.55	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level - I limit

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3172	59.87	-4.59	55.28	68.2	-12.92	peak
10523	51.22	4.21	55.43	68.2	-12.77	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level Limit

Remark:

REMARK: INDIAN TEST

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.



HUAK TESTING

5.8G 802.11ac/HT20 Mode

LOW CH 149

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	54.18	-4.59	49.59	68.2	-18.61	peak
11096	46.78	4.21	50.99	74	-23.01	peak
11096	42.77	4.21	46.98	54	-7.02	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level Limit

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	55.12	-4.59	50.53	68.2	-17.67	peak
11096	51.06	4.21	55.27	74	-18.73	peak
11096	42.87	4.21	47.08	54	-6.92	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.



HUAK TESTING

MID CH157

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3172	53.24	-4.59	48.65	68.2	-19.55	peak
10523	48.36	4.21	52.57	68.2	-15.63	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3172	55.36	-4.59	50.77	68.2	-17.43	peak
10523	51.27	4.21	55.48	68.2	-12.72	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

**HUAK TESTING**

HUAK TESTING

HIGH CH165

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	57.68	-4.59	53.09	74	-20.91	peak
2705	42.38	-4.59	37.79	54	-16.21	AVG
11717	42.61	4.84	47.45	74	-26.55	peak
11717	40.89	4.84	45.73	54	-8.27	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	53.24	-4.59	48.65	74	-25.35	peak
2705	43.28	-4.59	38.69	54	-15.31	AVG
11717	51.39	4.84	56.23	74	-17.77	peak
11717	41.22	4.84	46.06	54	-7.94	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dB μ V/m(PK Value) < 93.98(AV Limit), at harmonic 53.20 dB μ V/m(PK Value) < 54 dB μ V/m(AV Limit), the Average Detected not need to completed.



HUAK TESTING

5.8G 802.11ac/HT40 Mode

LOW CH 151

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	54.53	-4.59	49.94	68.2	-18.26	peak
11096	52.48	4.21	56.69	74	-17.31	peak
11096	39.08	4.21	43.29	54	-10.71	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level Limit

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	54.21	-4.59	49.62	68.2	-18.58	peak
11096	51.06	4.21	55.27	74	-18.73	peak
11096	39.87	4.21	44.08	54	-9.92	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level Limit

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HUAK TESTING

MID CH159

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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	61.44	-4.59	56.85	68.2	-11.35	peak
10523	51.86	4.21	56.07	68.2	-12.13	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	59.31	-4.59	54.72	68.2	-13.48	peak
10523	51.45	4.21	55.66	68.2	-12.54	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dB μ V/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dB μ V/m(PK Value) <54 dB μ V/m(AV Limit), the Average Detected not need to completed.

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5.8G 802.11ac/HT80 Mode**CH 155****Horizontal:**

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	52.45	-4.59	47.86	68.2	-20.34	peak
11096	50.64	4.21	54.85	74	-19.15	peak
11096	37.25	4.21	41.46	54	-12.54	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	52.52	-4.59	47.93	68.2	-20.27	peak
11096	51.46	4.21	55.67	74	-18.33	peak
11096	38.87	4.21	43.08	54	-10.92	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dB μ V/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dB μ V/m(PK Value) <54 dB μ V/m(AV Limit), the Average Detected not need to completed.

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Series Model No.: R12 pro

LOW CH 149 (802.11 a Mode with 5.8G)/5745

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3368	51.48	-4.59	46.89	68.2	-21.31	peak
11096	41.37	4.21	45.58	74	-28.42	peak
11096	37.66	4.21	41.87	54	-12.13	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3368	51.76	-4.59	47.17	68.2	-21.03	peak
11096	41.73	4.21	45.94	74	-28.06	peak
11096	39.04	4.21	43.25	54	-10.75	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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HUAK TESTING

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	57.18	-4.59	52.59	68.2	-15.61	peak
10523	49.56	4.21	53.77	68.2	-14.43	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	56.37	-4.59	51.78	68.2	-16.42	peak
10523	49.07	4.21	53.28	68.2	-14.92	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	52.51	-4.59	47.92	74	-26.08	peak
2705	41.36	-4.59	36.77	54	-17.23	AVG
11717	50.29	4.84	55.13	74	-18.87	peak
11717	38.48	4.84	43.32	54	-10.68	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	54.18	-4.59	49.59	74	-24.41	peak
2705	43.57	-4.59	38.98	54	-15.02	AVG
11717	50.05	4.84	54.89	74	-19.11	peak
11717	41.09	4.84	45.93	54	-8.07	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dB μ V/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dB μ V/m(PK Value) <54 dB μ V/m(AV Limit), the Average Detected not need to completed.
- (6) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

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HUAK TESTING

Series Model No.: P5 pro

LOW CH 149 (802.11 a Mode with 5.8G)/5745

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	51.08	-4.59	46.49	68.2	-21.71	peak
11096	42.02	4.21	46.23	74	-27.77	peak
11096	38.89	4.21	43.1	54	-10.9	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3368	52.12	-4.59	47.53	68.2	-20.67	peak
11096	40.51	4.21	44.72	74	-29.28	peak
11096	39.17	4.21	43.38	54	-10.62	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	56.18	-4.59	51.59	68.2	-16.61	peak
10523	49.32	4.21	53.53	68.2	-14.67	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	56.54	-4.59	51.95	68.2	-16.25	peak
10523	49.72	4.21	53.93	68.2	-14.27	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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HUAK TESTING

HIGH CH 165 (802.11a Mode with 5.8G)/5825

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2705	51.22	-4.59	46.63	74	-27.37	peak
2705	40.23	-4.59	35.64	54	-18.36	AVG
11717	49.09	4.84	53.93	74	-20.07	peak
11717	36.97	4.84	41.81	54	-12.19	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2705	54.23	-4.59	49.64	74	-24.36	peak
2705	43.17	-4.59	38.58	54	-15.42	AVG
11717	50.48	4.84	55.32	74	-18.68	peak
11717	40.24	4.84	45.08	54	-8.92	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level – Limit

Remark.

REMARK:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.
- (6) All the test modes completed for test, only the worst result of Mode 1(802.11a Mode).



HUAK TESTING

Series Model No.: E50 Ultra

LOW CH 149 (802.11 a Mode with 5.8G)/5745

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	51.28	-4.59	46.69	68.2	-21.51	peak
11096	40.35	4.21	44.56	74	-29.44	peak
11096	38.22	4.21	42.43	54	-11.57	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Type
3368	52.04	-4.59	47.45	68.2	-20.75	peak
11096	40.93	4.21	45.14	74	-28.86	peak
11096	38.86	4.21	43.07	54	-10.93	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.



HUAK TESTING

MID CH157 (802.11 a Mode with 5.8G)/5785

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3172	57.66	-4.59	53.07	68.2	-15.13	peak
10523	49.18	4.21	53.39	68.2	-14.81	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	58.32	-4.59	53.73	68.2	-14.47	peak
10523	49.75	4.21	53.96	68.2	-14.24	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.



HUAK TESTING

HIGH CH 165 (802.11a Mode with 5.8G)/5825

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2705	51.88	-4.59	47.29	74	-26.71	peak
2705	40.25	-4.59	35.66	54	-18.34	AVG
11717	49.54	4.84	54.38	74	-19.62	peak
11717	37.52	4.84	42.36	54	-11.64	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2705	52.76	-4.59	48.17	74	-25.83	peak
2705	40.45	-4.59	35.86	54	-18.14	AVG
11717	48.85	4.84	53.69	74	-20.31	peak
11717	37.99	4.84	42.83	54	-11.17	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit

Remark.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.
- (6) All the test modes completed for test, only the worst result of Mode 1(802.11a Mode.)



HUAK TESTING

Series Model No.: I16 pro max

LOW CH 149 (802.11 a Mode with 5.8G)/5745

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	51.08	-4.59	46.49	68.2	-21.71	peak
11096	41.37	4.21	45.58	74	-28.42	peak
11096	37.72	4.21	41.93	54	-12.07	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Type
3368	52.52	-4.59	47.93	68.2	-20.27	peak
11096	40.44	4.21	44.65	74	-29.35	peak
11096	39.03	4.21	43.24	54	-10.76	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	58.12	-4.59	53.53	68.2	-14.67	peak
10523	49.36	4.21	53.57	68.2	-14.63	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	57.98	-4.59	53.39	68.2	-14.81	peak
10523	49.32	4.21	53.53	68.2	-14.67	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	52.34	-4.59	47.75	74	-26.25	peak
2705	41.28	-4.59	36.69	54	-17.31	AVG
11717	50.19	4.84	55.03	74	-18.97	peak
11717	36.97	4.84	41.81	54	-12.19	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	53.02	-4.59	48.43	74	-25.57	peak
2705	39.79	-4.59	35.2	54	-18.8	AVG
11717	50.33	4.84	55.17	74	-18.83	peak
11717	38.35	4.84	43.19	54	-10.81	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dB μ V/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dB μ V/m(PK Value) <54 dB μ V/m(AV Limit), the Average Detected not need to completed.
- (6) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

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Series Model No.: P6 pro

LOW CH 149 (802.11 a Mode with 5.8G)/5745

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3368	50.99	-4.59	46.4	68.2	-21.8	peak
11096	41.83	4.21	46.04	74	-27.96	peak
11096	39.41	4.21	43.62	54	-10.38	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3368	51.83	-4.59	47.24	68.2	-20.96	peak
11096	41.14	4.21	45.35	74	-28.65	peak
11096	38.46	4.21	42.67	54	-11.33	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	56.78	-4.59	52.19	68.2	-16.01	peak
10523	49.52	4.21	53.73	68.2	-14.47	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	57.83	-4.59	53.24	68.2	-14.96	peak
10523	49.78	4.21	53.99	68.2	-14.21	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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HUAK TESTING

HIGH CH 165 (802.11a Mode with 5.8G)/5825

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2705	51.86	-4.59	47.27	74	-26.73	peak
2705	40.51	-4.59	35.92	54	-18.08	AVG
11717	48.95	4.84	53.79	74	-20.21	peak
11717	37.27	4.84	42.11	54	-11.89	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	52.24	-4.59	47.65	74	-26.35	peak
2705	39.73	-4.59	35.14	54	-18.86	AVG
11717	48.91	4.84	53.75	74	-20.25	peak
11717	37.05	4.84	41.89	54	-12.11	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level Limit

Remark.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.
- (6) All the test modes completed for test, only the worst result of Mode 1(802.11a Mode.)

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HUAK TESTING

Series Model No.: Sp20 Pro

LOW CH 149 (802.11 a Mode with 5.8G)/5745

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	51.54	-4.59	46.95	68.2	-21.25	peak
11096	40.15	4.21	44.36	74	-29.64	peak
11096	38.26	4.21	42.47	54	-11.53	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Type
3368	51.86	-4.59	47.27	68.2	-20.93	peak
11096	41.21	4.21	45.42	74	-28.58	peak
11096	37.67	4.21	41.88	54	-12.12	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.



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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	57.46	-4.59	52.87	68.2	-15.33	peak
10523	49.84	4.21	54.05	68.2	-14.15	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	57.12	-4.59	52.53	68.2	-15.67	peak
10523	49.77	4.21	53.98	68.2	-14.22	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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HUAK TESTING

HIGH CH 165 (802.11a Mode with 5.8G)/5825

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	52.89	-4.59	48.3	74	-25.7	peak
2705	40.88	-4.59	36.29	54	-17.71	AVG
11717	49.24	4.84	54.08	74	-19.92	peak
11717	37.42	4.84	42.26	54	-11.74	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Type
2705	52.53	-4.59	47.94	74	-26.06	peak
2705	39.85	-4.59	35.26	54	-18.74	AVG
11717	50.52	4.84	55.36	74	-18.64	peak
11717	38.79	4.84	43.63	54	-10.37	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.
- (6) All the test modes completed for test, only the worst result of Mode 1(802.11a Mode)



HUAK TESTING

Series Model No.: OP12 pro

LOW CH 149 (802.11 a Mode with 5.8G)/5745

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	52.14	-4.59	47.55	68.2	-20.65	peak
11096	41.98	4.21	46.19	74	-27.81	peak
11096	37.65	4.21	41.86	54	-12.14	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Type
3368	50.74	-4.59	46.15	68.2	-22.05	peak
11096	41.13	4.21	45.34	74	-28.66	peak
11096	38.18	4.21	42.39	54	-11.61	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	56.98	-4.59	52.39	68.2	-15.81	peak
10523	49.22	4.21	53.43	68.2	-14.77	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	56.93	-4.59	52.34	68.2	-15.86	peak
10523	48.54	4.21	52.75	68.2	-15.45	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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HUAK TESTING

HIGH CH 165 (802.11a Mode with 5.8G)/5825

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2705	51.12	-4.59	46.53	74	-27.47	peak
2705	41.38	-4.59	36.79	54	-17.21	AVG
11717	49.87	4.84	54.71	74	-19.29	peak
11717	38.27	4.84	43.11	54	-10.89	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	51.47	-4.59	46.88	74	-27.12	peak
2705	40.71	-4.59	36.12	54	-17.88	AVG
11717	49.77	4.84	54.61	74	-19.39	peak
11717	36.93	4.84	41.77	54	-12.23	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level – Limit

Remark.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.
- (6) All the test modes completed for test, only the worst result of Mode 1(802.11a Mode).



Series Model No.: T3 Pro

LOW CH 149 (802.11 a Mode with 5.8G)/5745

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	52.01	-4.59	47.42	68.2	-20.78	peak
11096	40.16	4.21	44.37	74	-29.63	peak
11096	37.84	4.21	42.05	54	-11.95	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	52.52	-4.59	47.93	68.2	-20.27	peak
11096	41.57	4.21	45.78	74	-28.22	peak
11096	38.55	4.21	42.76	54	-11.24	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	57.18	-4.59	52.59	68.2	-15.61	peak
10523	49.32	4.21	53.53	68.2	-14.67	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	58.07	-4.59	53.48	68.2	-14.72	peak
10523	48.73	4.21	52.94	68.2	-15.26	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	52.81	-4.59	48.22	74	-25.78	peak
2705	41.45	-4.59	36.86	54	-17.14	AVG
11717	49.37	4.84	54.21	74	-19.79	peak
11717	36.97	4.84	41.81	54	-12.19	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	51.35	-4.59	46.76	74	-27.24	peak
2705	41.08	-4.59	36.49	54	-17.51	AVG
11717	49.33	4.84	54.17	74	-19.83	peak
11717	38.22	4.84	43.06	54	-10.94	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dB μ V/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dB μ V/m(PK Value) <54 dB μ V/m(AV Limit), the Average Detected not need to completed.
- (6) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

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HUAK TESTING

Series Model No.: P8 Pro

LOW CH 149 (802.11 a Mode with 5.8G)/5745

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
3368	51.07	-4.59	46.48	68.2	-21.72	peak
11096	41.97	4.21	46.18	74	-27.82	peak
11096	39.33	4.21	43.54	54	-10.46	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Type
3368	50.87	-4.59	46.28	68.2	-21.92	peak
11096	40.61	4.21	44.82	74	-29.18	peak
11096	38.17	4.21	42.38	54	-11.62	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	54.36	-4.59	49.77	68.2	-18.43	peak
10523	48.25	4.21	52.46	68.2	-15.74	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
3172	58.17	-4.59	53.58	68.2	-14.62	peak
10523	49.55	4.21	53.76	68.2	-14.44	peak

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.

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HUAK TESTING

HIGH CH 165 (802.11a Mode with 5.8G)/5825

Horizontal:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2705	52.58	-4.59	47.99	74	-26.01	peak
2705	40.28	-4.59	35.69	54	-18.31	AVG
11717	48.84	4.84	53.68	74	-20.32	peak
11717	37.12	4.84	41.96	54	-12.04	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit

Vertical:

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Detector Type
2705	52.43	-4.59	47.84	74	-26.16	peak
2705	40.17	-4.59	35.58	54	-18.42	AVG
11717	50.13	4.84	54.97	74	-19.03	peak
11717	38.05	4.84	42.89	54	-11.11	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit

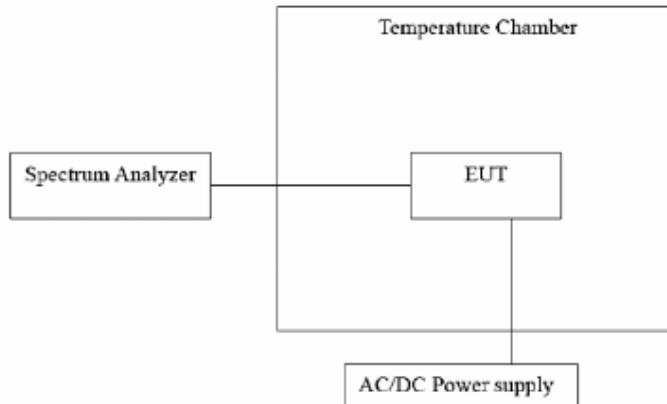
Remark.

Remark:

- (1) Measuring frequencies from 1 GHz to the 40 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.
- (6) All the test modes completed for test, only the worst result of Mode 1(802.11a Mode.)

4.8. Frequency Stability Measurement

4.8.1. Test Specification

Test Requirement:	FCC Part15 Section 15.407(g)
Test Method:	ANSI C63.10: 2013
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.
Test Setup:	 <pre> graph LR SA[Spectrum Analyzer] --- EUT[EUT] EUT --- ACDC[AC/DC Power supply] EUT --- TC[Temperature Chamber] </pre>
Test Procedure:	<p>The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. b. Turn the EUT on and couple its output to a spectrum analyzer. c. Turn the EUT off and set the chamber to the highest temperature specified. d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature. f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.</p>
Test Result:	PASS
Remark:	N/A



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Test Result as follows:

Mode	Voltage (V)	FHL (5745MHz)	Deviation (KHz)	FHH (5825MHz)	Deviation (KHz)
5.8G Band	4.25V	5744.989	-11	5825.013	13
	5.0V	5745.012	12	5824.974	-26
	5.75V	5744.994	-6	5824.985	-15

Mode	Temperature (°C)	FHL (5745MHz)	Deviation (KHz)	FHH (5825MHz)	Deviation (KHz)
5.8G Band	-30	5744.971	-29	5825.015	15
	-20	5745.016	16	5825.008	8
	-10	5744.981	-19	5824.991	-9
	0	5744.976	-24	5824.977	-23
	10	5744.966	-34	5825.019	19
	20	5745.012	12	5824.988	-12
	30	5744.984	-16	5824.972	-28
	40	5744.991	-9	5824.969	-31
	50	5744.972	-28	5825.007	7

4.9. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.249, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

Antenna Connected Construction
The antenna used in this product is a FPC Antenna, need professional installation, not easy to remove. It conforms to the standard requirements. The directional gains of antenna used for transmitting is 0.98dB.

