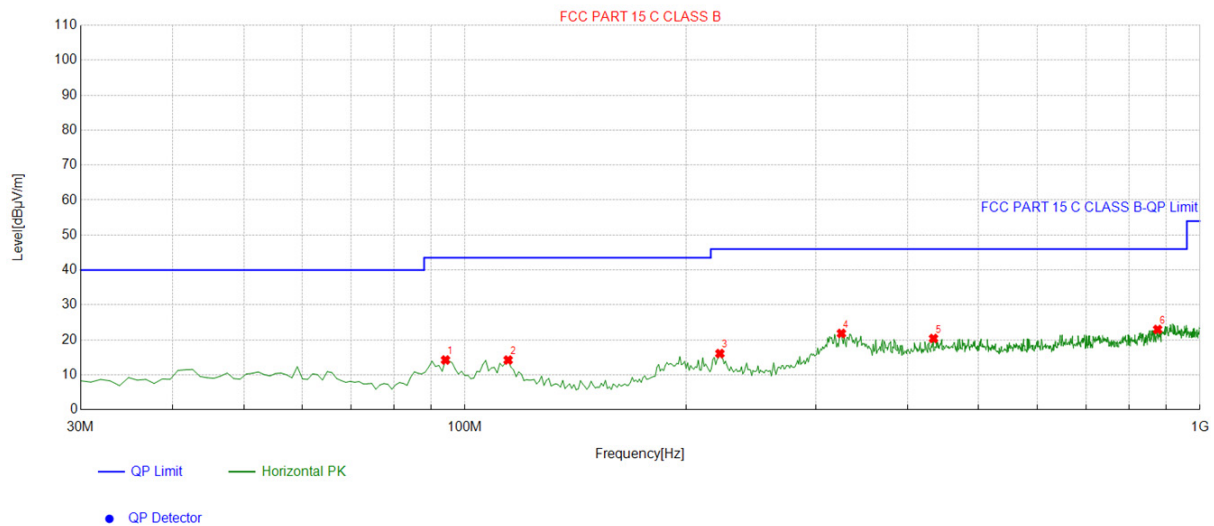


4.7.2. Test Data

All the test modes completed for test. Only the worst result of (802.11a at 5180MHz) was reported

Below 1GHz

Test Model No.: S25 Ultra
Horizontal

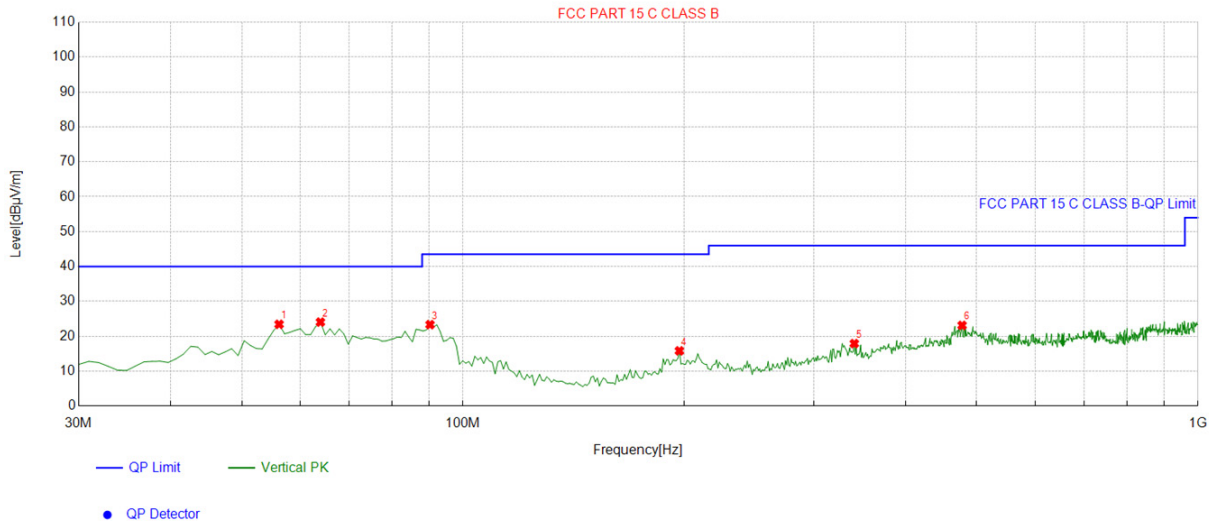


Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	94.084084	-15.78	30.03	14.25	43.50	29.25	100	357	Horizontal
2	114.47447	-15.28	29.52	14.24	43.50	29.26	100	226	Horizontal
3	222.25225	-14.27	30.36	16.09	46.00	29.91	100	79	Horizontal
4	325.17517	-11.00	32.85	21.85	46.00	24.15	100	111	Horizontal
5	433.92392	-8.98	29.39	20.41	46.00	25.59	100	220	Horizontal
6	875.71571	-1.76	24.75	22.99	46.00	23.01	100	21	Horizontal

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

Vertical



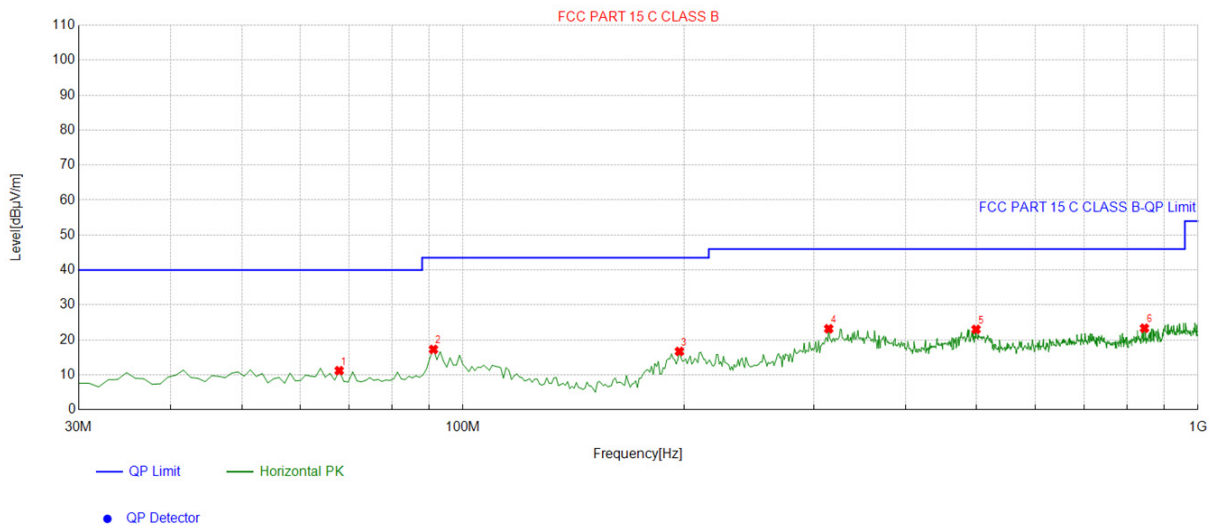
Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	56.216216	-13.94	37.37	23.43	40.00	16.57	100	33	Vertical
2	63.983984	-14.38	38.44	24.06	40.00	15.94	100	19	Vertical
3	90.2002	-16.68	40.01	23.33	43.50	20.17	100	220	Vertical
4	197.00700	-14.97	30.79	15.82	43.50	27.68	100	360	Vertical
5	340.71071	-10.30	28.21	17.91	46.00	28.09	100	174	Vertical
6	477.61761	-8.24	31.36	23.12	46.00	22.88	100	185	Vertical

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

Series Model No.: R12 pro

Horizontal

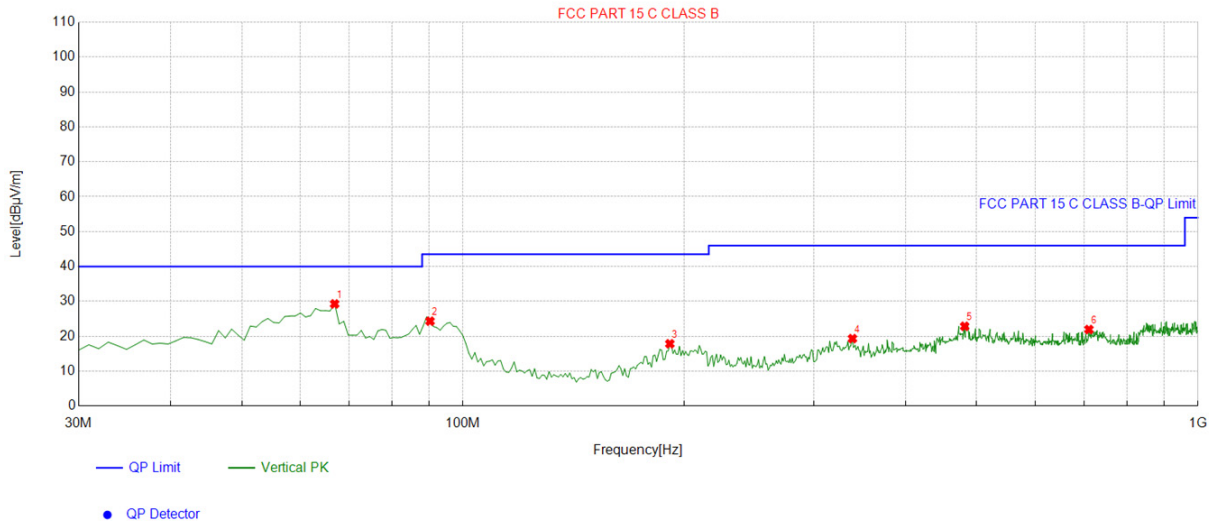


Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	67.867868	-16.02	27.23	11.21	40.00	28.79	100	198	Horizontal
2	91.171171	-16.91	34.19	17.28	43.50	26.22	100	16	Horizontal
3	197.00700	-14.97	31.67	16.70	43.50	26.80	100	93	Horizontal
4	314.49449	-11.46	34.65	23.19	46.00	22.81	100	280	Horizontal
5	498.97897	-8.10	31.11	23.01	46.00	22.99	100	110	Horizontal
6	845.61561	-1.48	24.82	23.34	46.00	22.66	100	310	Horizontal

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

Vertical



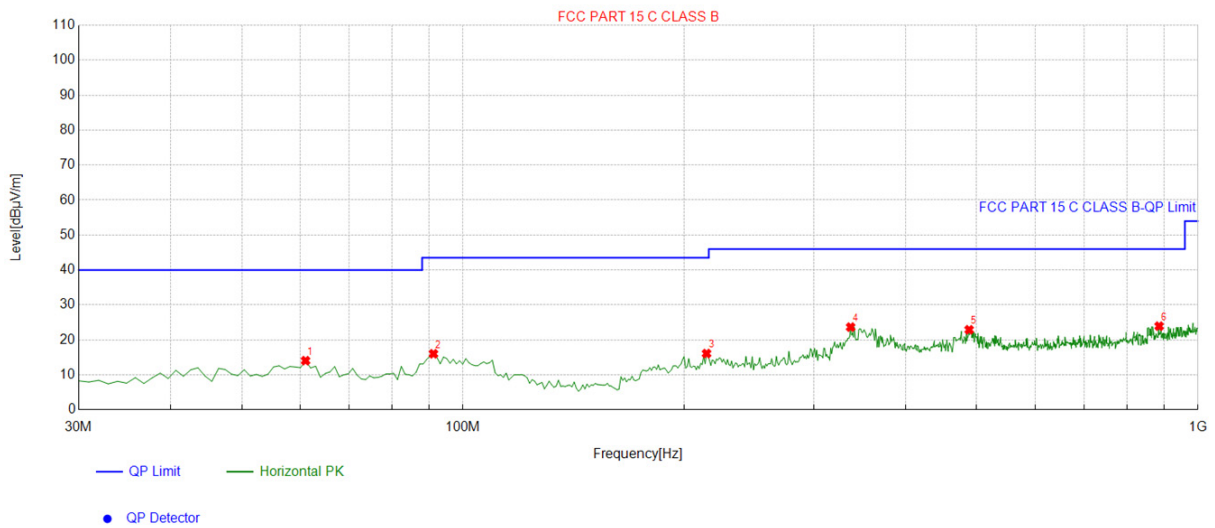
Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	66.896897	-16.17	45.44	29.27	40.00	10.73	100	222	Vertical
2	90.2002	-16.68	41.01	24.33	43.50	19.17	100	201	Vertical
3	191.18118	-15.86	33.71	17.85	43.50	25.65	100	92	Vertical
4	338.76876	-10.40	29.74	19.34	46.00	26.66	100	215	Vertical
5	481.50150	-8.18	31.04	22.86	46.00	23.14	100	142	Vertical
6	710.65065	-4.01	25.96	21.95	46.00	24.05	100	246	Vertical

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

Series Model No.: P5 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	61.071071	-13.82	27.88	14.06	40.00	25.94	100	0	Horizontal
2	91.171171	-16.91	32.94	16.03	43.50	27.47	100	358	Horizontal
3	214.48448	-14.76	30.86	16.10	43.50	27.40	100	72	Horizontal
4	336.82682	-10.51	34.17	23.66	46.00	22.34	100	92	Horizontal
5	488.29829	-7.91	30.81	22.90	46.00	23.10	100	121	Horizontal
6	885.42542	-1.64	25.57	23.93	46.00	22.07	100	150	Horizontal

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

Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.564565	-13.72	30.09	16.37	40.00	23.63	100	298	Vertical
2	60.1001	-13.96	37.85	23.89	40.00	16.11	100	124	Vertical
3	95.055055	-15.40	39.70	24.30	43.50	19.20	100	201	Vertical
4	197.97797	-14.86	31.54	16.68	43.50	26.82	100	8	Vertical
5	345.56556	-10.12	29.78	19.66	46.00	26.34	100	241	Vertical
6	711.62162	-4.05	25.71	21.66	46.00	24.34	100	341	Vertical

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

Series Model No.: E50 Ultra

Horizontal

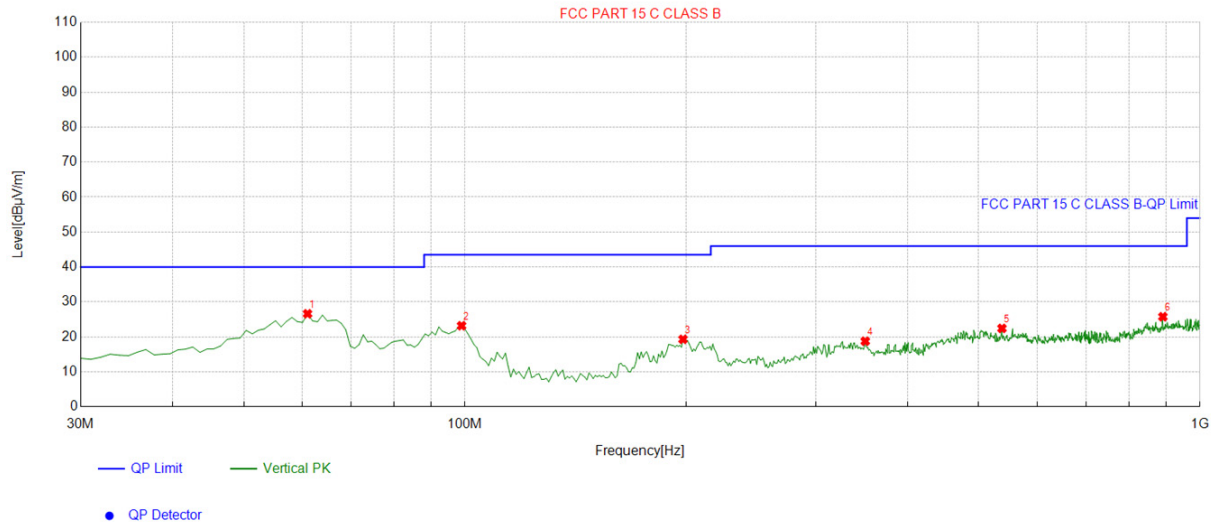


Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	46.506507	-13.89	26.04	12.15	40.00	27.85	100	47	Horizontal
2	99.90991	-14.70	29.99	15.29	43.50	28.21	100	349	Horizontal
3	214.48448	-14.76	31.32	16.56	43.50	26.94	100	102	Horizontal
4	326.14614	-10.98	34.23	23.25	46.00	22.75	100	267	Horizontal
5	513.54354	-8.01	30.34	22.33	46.00	23.67	100	105	Horizontal
6	842.70270	-1.79	26.46	24.67	46.00	21.33	100	47	Horizontal

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

Vertical

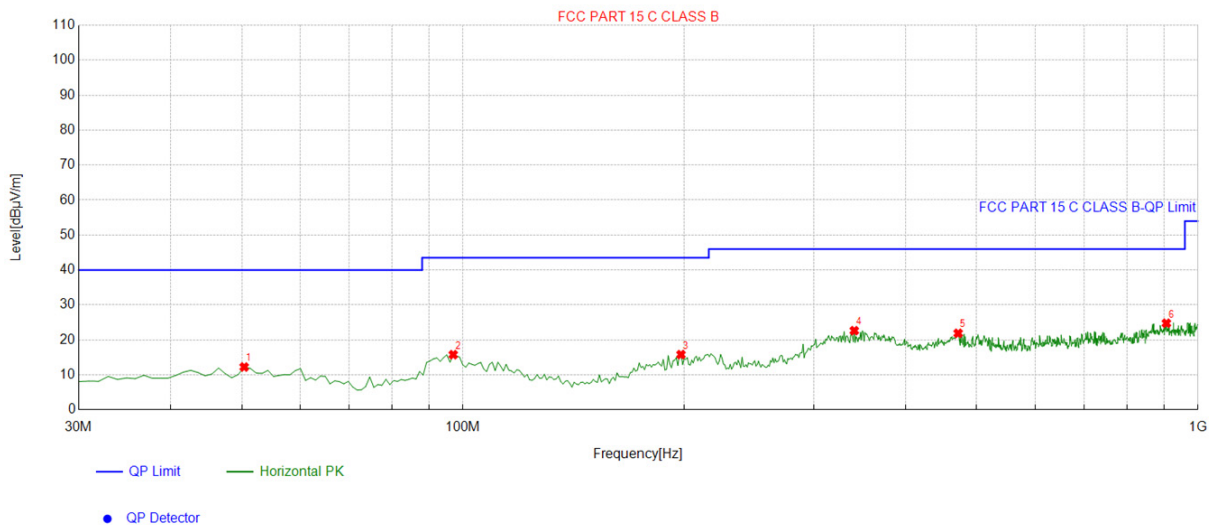


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	61.071071	-13.82	40.44	26.62	40.00	13.38	100	67	Vertical
2	98.938939	-14.83	38.03	23.20	43.50	20.30	100	193	Vertical
3	197.97797	-14.86	34.17	19.31	43.50	24.19	100	353	Vertical
4	350.42042	-10.05	28.82	18.77	46.00	27.23	100	244	Vertical
5	537.81781	-7.14	29.58	22.44	46.00	23.56	100	144	Vertical
6	890.28028	-1.59	27.37	25.78	46.00	20.22	100	156	Vertical

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

Series Model No.: I16 pro max

Horizontal

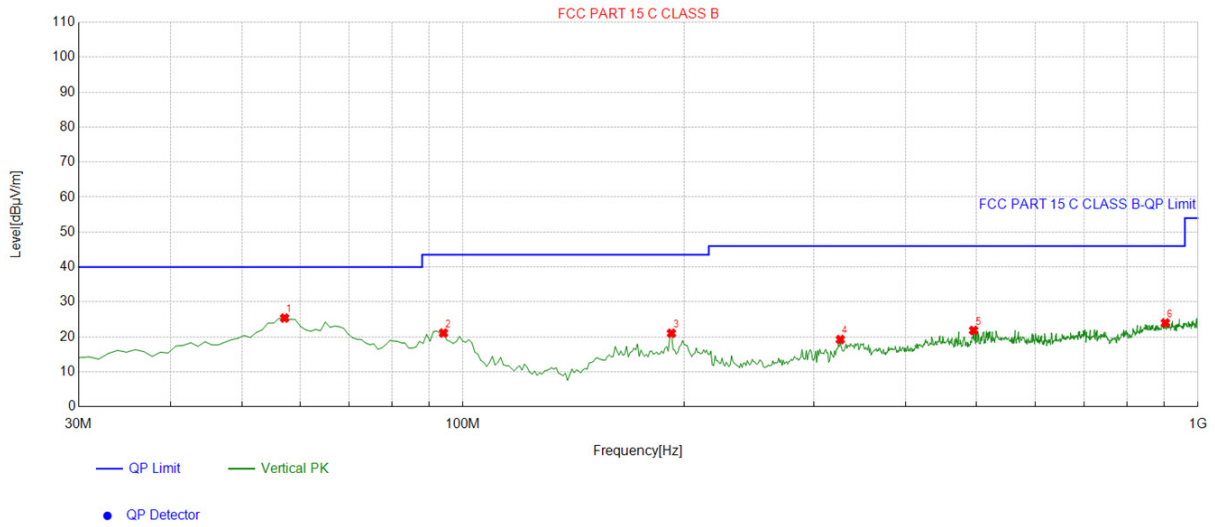


Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	50.39039	-13.15	25.40	12.25	40.00	27.75	100	110	Horizontal
2	96.996997	-14.95	30.73	15.78	43.50	27.72	100	344	Horizontal
3	197.97797	-14.86	30.66	15.80	43.50	27.70	100	82	Horizontal
4	340.71071	-10.30	32.95	22.65	46.00	23.35	100	246	Horizontal
5	471.79179	-8.42	30.31	21.89	46.00	24.11	100	130	Horizontal
6	905.81581	-1.28	26.05	24.77	46.00	21.23	100	5	Horizontal

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

Vertical

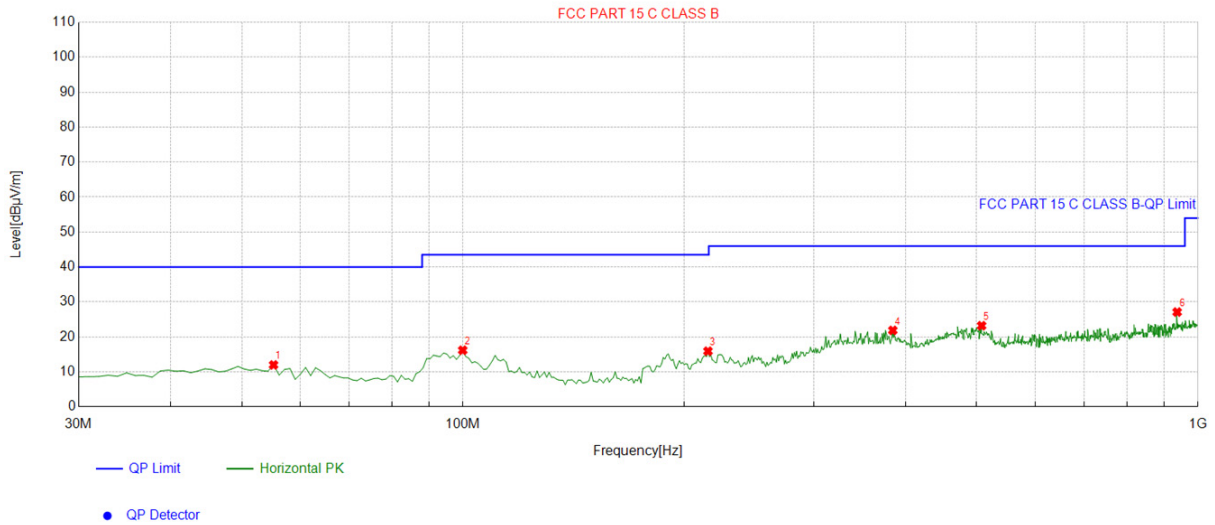


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	57.187187	-13.76	39.15	25.39	40.00	14.61	100	87	Vertical
2	94.084084	-15.78	36.88	21.10	43.50	22.40	100	192	Vertical
3	192.15215	-15.74	36.78	21.04	43.50	22.46	100	61	Vertical
4	326.14614	-10.98	30.24	19.26	46.00	26.74	100	204	Vertical
5	495.09509	-7.84	29.70	21.86	46.00	24.14	100	332	Vertical
6	902.90290	-1.16	25.16	24.00	46.00	22.00	100	263	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 [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	55.245245	-14.00	25.99	11.99	40.00	28.01	100	304	Horizontal
2	99.90991	-14.70	30.89	16.19	43.50	27.31	100	344	Horizontal
3	215.45545	-14.72	30.64	15.92	43.50	27.58	100	98	Horizontal
4	384.40440	-9.06	30.93	21.87	46.00	24.13	100	106	Horizontal
5	507.71771	-8.29	31.50	23.21	46.00	22.79	100	104	Horizontal
6	936.88688	-1.35	28.46	27.11	46.00	18.89	100	198	Horizontal

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

Vertical

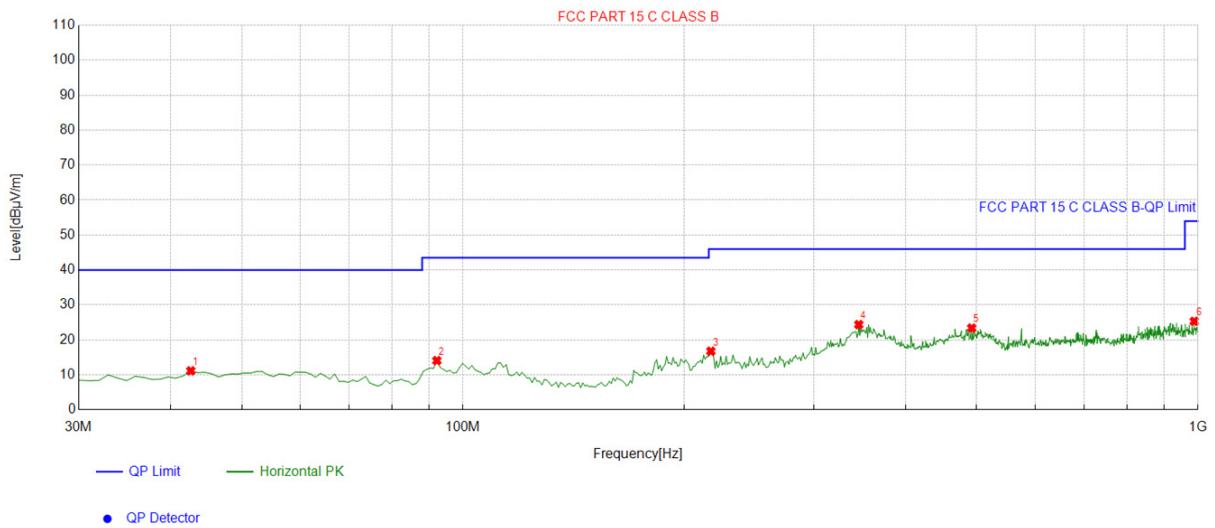


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	64.954955	-15.33	41.25	25.92	40.00	14.08	100	298	Vertical
2	94.084084	-15.78	41.37	25.59	43.50	17.91	100	189	Vertical
3	198.94894	-14.75	31.36	16.61	43.50	26.89	100	360	Vertical
4	351.39139	-10.10	29.44	19.34	46.00	26.66	100	201	Vertical
5	539.75976	-7.13	31.22	24.09	46.00	21.91	100	263	Vertical
6	886.39639	-1.64	26.36	24.72	46.00	21.28	100	330	Vertical

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

Series Model No.: Sp20 Pro

Horizontal

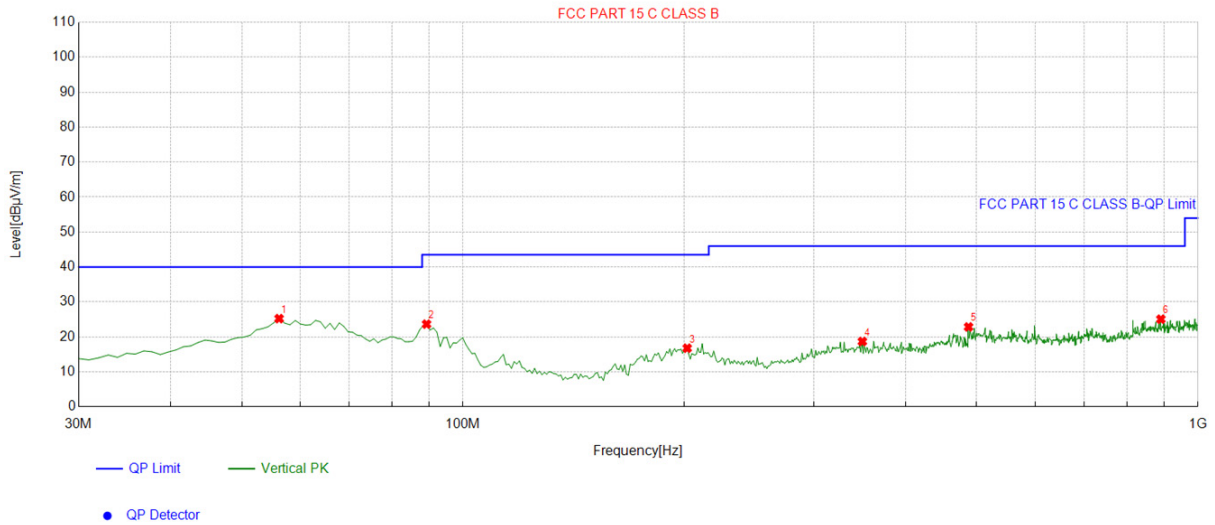


Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	42.622623	-13.31	24.46	11.15	40.00	28.85	100	259	Horizontal
2	92.142142	-16.47	30.55	14.08	43.50	29.42	100	354	Horizontal
3	217.39739	-14.66	31.42	16.76	46.00	29.24	100	83	Horizontal
4	345.56556	-10.12	34.50	24.38	46.00	21.62	100	91	Horizontal
5	492.18218	-7.87	31.26	23.39	46.00	22.61	100	126	Horizontal
6	988.34834	-0.45	25.77	25.32	54.00	28.68	100	291	Horizontal

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

Vertical



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	56.216216	-13.94	39.17	25.23	40.00	14.77	100	120	Vertical
2	89.229229	-16.75	40.40	23.65	43.50	19.85	100	250	Vertical
3	201.86186	-15.19	31.96	16.77	43.50	26.73	100	57	Vertical
4	349.44944	-10.04	28.73	18.69	46.00	27.31	100	244	Vertical
5	487.32732	-7.91	30.77	22.86	46.00	23.14	100	301	Vertical
6	890.28028	-1.59	26.66	25.07	46.00	20.93	100	281	Vertical

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

Series Model No.: Sp20 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	32.71	17.85	43.50	25.65	100	6	Horizontal
2	220.31031	-14.54	35.25	20.71	46.00	25.29	100	75	Horizontal
3	336.82682	-10.51	36.58	26.07	46.00	19.93	100	64	Horizontal
4	452.37237	-8.81	29.85	21.04	46.00	24.96	100	319	Horizontal
5	648.50850	-5.07	27.32	22.25	46.00	23.75	100	30	Horizontal
6	792.21221	-3.25	25.70	22.45	46.00	23.55	100	278	Horizontal

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

Vertical

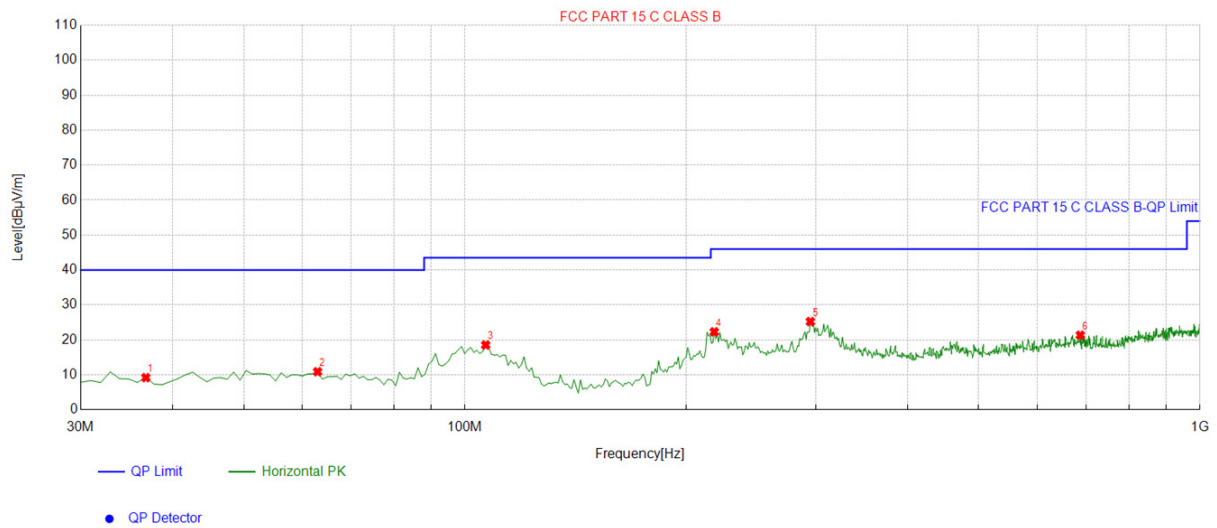


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	64.954955	-15.33	43.48	28.15	40.00	11.85	100	35	Vertical
2	96.026026	-15.55	40.73	25.18	43.50	18.32	100	17	Vertical
3	217.39739	-14.66	36.08	21.42	46.00	24.58	100	29	Vertical
4	338.76876	-10.40	28.34	17.94	46.00	28.06	100	227	Vertical
5	491.21121	-7.88	32.40	24.52	46.00	21.48	100	130	Vertical
6	717.44744	-4.22	26.73	22.51	46.00	23.49	100	227	Vertical

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

Series Model No.: T3 Pro

Horizontal

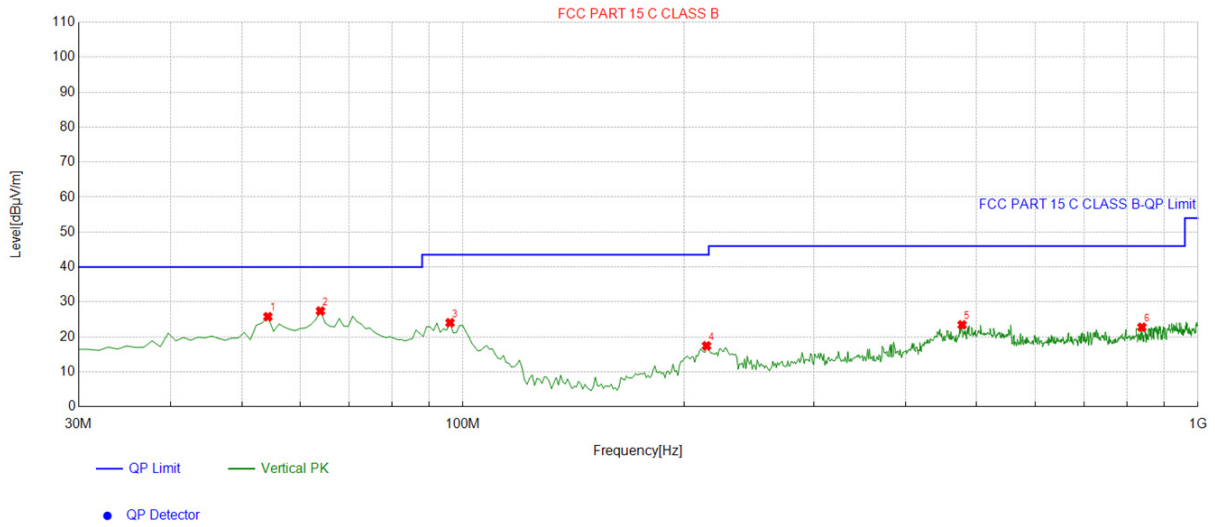


Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	36.796797	-14.57	23.78	9.21	40.00	30.79	100	332	Horizontal
2	63.013013	-14.48	25.38	10.90	40.00	29.10	100	135	Horizontal
3	106.70670	-14.49	33.03	18.54	43.50	24.96	100	0	Horizontal
4	218.36836	-14.63	36.94	22.31	46.00	23.69	100	68	Horizontal
5	295.07507	-11.92	37.16	25.24	46.00	20.76	100	78	Horizontal
6	687.34734	-4.32	25.66	21.34	46.00	24.66	100	274	Horizontal

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

Vertical

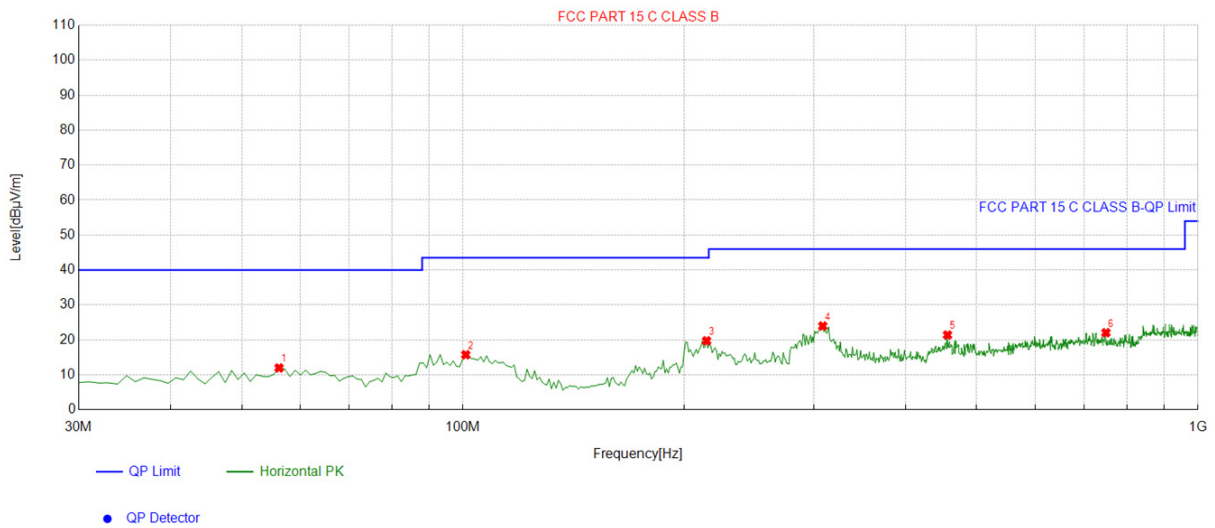


Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	54.274274	-13.50	39.28	25.78	40.00	14.22	100	106	Vertical
2	63.983984	-14.38	41.78	27.40	40.00	12.60	100	83	Vertical
3	96.026026	-15.55	39.60	24.05	43.50	19.45	100	60	Vertical
4	214.48448	-14.76	32.21	17.45	43.50	26.05	100	164	Vertical
5	477.61761	-8.24	31.69	23.45	46.00	22.55	100	184	Vertical
6	838.81881	-2.28	25.05	22.77	46.00	23.23	100	69	Vertical

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

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	56.216216	-13.94	25.92	11.98	40.00	28.02	100	226	Horizontal
2	100.88088	-14.60	30.35	15.75	43.50	27.75	100	358	Horizontal
3	214.48448	-14.76	34.49	19.73	43.50	23.77	100	85	Horizontal
4	308.66866	-11.86	35.83	23.97	46.00	22.03	100	253	Horizontal
5	456.25625	-8.87	30.27	21.40	46.00	24.60	100	302	Horizontal
6	749.48948	-3.73	25.78	22.05	46.00	23.95	100	337	Horizontal

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

Vertical



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dBμV/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	56.216216	-13.94	41.04	27.10	40.00	12.90	100	53	Vertical
2	91.171171	-16.91	42.64	25.73	43.50	17.77	100	231	Vertical
3	212.54254	-14.82	33.34	18.52	43.50	24.98	100	110	Vertical
4	292.16216	-11.99	27.92	15.93	46.00	30.07	100	38	Vertical
5	470.82082	-8.49	31.63	23.14	46.00	22.86	100	350	Vertical
6	726.18618	-3.92	25.94	22.02	46.00	23.98	100	171	Vertical

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

Harmonics and Spurious Emissions Frequency Range (9kHz-30MHz)

Frequency (MHz)	Level@3m (dBμV/m)	Limit@3m (dBμV/m)
--	--	--
--	--	--
--	--	--
--	--	--

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

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.03	-4.59	50.44	74	-23.56	peak
3647	45.02	-4.59	40.43	54	-13.57	AVG
10360	52.32	3.74	56.06	74	-17.94	peak
10360	41.63	3.74	45.37	54	-8.63	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.04	-4.59	51.45	74	-22.55	peak
3647	44.85	-4.59	40.26	54	-13.74	AVG
10360	51.48	3.74	55.22	74	-18.78	peak
10360	41.58	3.74	45.32	54	-8.68	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.36	-4.59	50.77	74	-23.23	peak
3647	44.77	-4.59	40.18	54	-13.82	AVG
10400	51.28	3.74	55.02	74	-18.98	peak
10400	40.23	3.74	43.97	54	-10.03	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.74	-4.59	51.15	74	-22.85	peak
3647	43.64	-4.59	39.05	54	-14.95	AVG
10400	51.44	3.74	55.18	74	-18.82	peak
10400	40.33	3.74	44.07	54	-9.93	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.27	-4.59	50.68	74	-23.32	peak
3647	44.98	-4.59	40.39	54	-13.61	AVG
10480	51.26	3.75	55.01	74	-18.99	peak
10480	40.69	3.75	44.44	54	-9.56	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.26	-4.59	51.67	74	-22.33	peak
3647	45.11	-4.59	40.52	54	-13.48	AVG
10480	51.06	3.75	54.81	74	-19.19	peak
10480	41.37	3.75	45.12	54	-8.88	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 recorded 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.
- (7) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

Series Model No.: R12 pro

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.75	-4.59	50.16	74	-23.84	peak
3647	43.45	-4.59	38.86	54	-15.14	AVG
10360	51.45	3.74	55.19	74	-18.81	peak
10360	41.18	3.74	44.92	54	-9.08	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.33	-4.59	51.74	74	-22.26	peak
3647	44.44	-4.59	39.85	54	-14.15	AVG
10360	52.77	3.74	56.51	74	-17.49	peak
10360	41.55	3.74	45.29	54	-8.71	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.08	-4.59	50.49	74	-23.51	peak
3647	44.45	-4.59	39.86	54	-14.14	AVG
10400	51.23	3.74	54.97	74	-19.03	peak
10400	40.88	3.74	44.62	54	-9.38	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.12	-4.59	51.53	74	-22.47	peak
3647	44.32	-4.59	39.73	54	-14.27	AVG
10400	51.72	3.74	55.46	74	-18.54	peak
10400	40.03	3.74	43.77	54	-10.23	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.73	-4.59	50.14	74	-23.86	peak
3647	44.68	-4.59	40.09	54	-13.91	AVG
10480	51.17	3.75	54.92	74	-19.08	peak
10480	40.42	3.75	44.17	54	-9.83	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.95	-4.59	51.36	74	-22.64	peak
3647	44.66	-4.59	40.07	54	-13.93	AVG
10480	51.27	3.75	55.02	74	-18.98	peak
10480	40.16	3.75	43.91	54	-10.09	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 recorded 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.
- (7) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

Series Model No.: P5 pro

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.22	-4.59	50.63	74	-23.37	peak
3647	43.64	-4.59	39.05	54	-14.95	AVG
10360	51.72	3.74	55.46	74	-18.54	peak
10360	40.74	3.74	44.48	54	-9.52	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.87	-4.59	51.28	74	-22.72	peak
3647	43.48	-4.59	38.89	54	-15.11	AVG
10360	51.19	3.74	54.93	74	-19.07	peak
10360	40.94	3.74	44.68	54	-9.32	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.19	-4.59	50.6	74	-23.4	peak
3647	44.47	-4.59	39.88	54	-14.12	AVG
10400	52.21	3.74	55.95	74	-18.05	peak
10400	40.55	3.74	44.29	54	-9.71	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.83	-4.59	50.24	74	-23.76	peak
3647	43.49	-4.59	38.9	54	-15.1	AVG
10400	52.84	3.74	56.58	74	-17.42	peak
10400	40.44	3.74	44.18	54	-9.82	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.56	-4.59	50.97	74	-23.03	peak
3647	43.85	-4.59	39.26	54	-14.74	AVG
10480	51.11	3.75	54.86	74	-19.14	peak
10480	41.64	3.75	45.39	54	-8.61	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.36	-4.59	51.77	74	-22.23	peak
3647	44.95	-4.59	40.36	54	-13.64	AVG
10480	52.02	3.75	55.77	74	-18.23	peak
10480	41.86	3.75	45.61	54	-8.39	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 recorded 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.
- (7) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

Series Model No.: E50 Ultra

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.02	-4.59	51.43	74	-22.57	peak
3647	43.88	-4.59	39.29	54	-14.71	AVG
10360	51.42	3.74	55.16	74	-18.84	peak
10360	41.43	3.74	45.17	54	-8.83	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.64	-4.59	50.05	74	-23.95	peak
3647	44.44	-4.59	39.85	54	-14.15	AVG
10360	51.72	3.74	55.46	74	-18.54	peak
10360	39.99	3.74	43.73	54	-10.27	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamp; Level = Reading + Factor; Margin = Level-Limit.						

MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.83	-4.59	50.24	74	-23.76	peak
3647	43.99	-4.59	39.4	54	-14.6	AVG
10400	52.09	3.74	55.83	74	-18.17	peak
10400	40.74	3.74	44.48	54	-9.52	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.82	-4.59	50.23	74	-23.77	peak
3647	44.43	-4.59	39.84	54	-14.16	AVG
10400	52.92	3.74	56.66	74	-17.34	peak
10400	41.87	3.74	45.61	54	-8.39	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.86	-4.59	50.27	74	-23.73	peak
3647	44.98	-4.59	40.39	54	-13.61	AVG
10480	52.67	3.75	56.42	74	-17.58	peak
10480	40.64	3.75	44.39	54	-9.61	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.26	-4.59	51.67	74	-22.33	peak
3647	44.12	-4.59	39.53	54	-14.47	AVG
10480	51.74	3.75	55.49	74	-18.51	peak
10480	40.76	3.75	44.51	54	-9.49	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 recorded 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.
- (7) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

Series Model No.: I16 pro max

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.07	-4.59	50.48	74	-23.52	peak
3647	43.78	-4.59	39.19	54	-14.81	AVG
10360	52.99	3.74	56.73	74	-17.27	peak
10360	41.84	3.74	45.58	54	-8.42	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.57	-4.59	50.98	74	-23.02	peak
3647	43.87	-4.59	39.28	54	-14.72	AVG
10360	52.36	3.74	56.1	74	-17.9	peak
10360	41.72	3.74	45.46	54	-8.54	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamp; Level = Reading + Factor; Margin = Level-Limit.						

MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.54	-4.59	49.95	74	-24.05	peak
3647	43.86	-4.59	39.27	54	-14.73	AVG
10400	51.32	3.74	55.06	74	-18.94	peak
10400	41.87	3.74	45.61	54	-8.39	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.37	-4.59	50.78	74	-23.22	peak
3647	44.97	-4.59	40.38	54	-13.62	AVG
10400	53.25	3.74	56.99	74	-17.01	peak
10400	41.82	3.74	45.56	54	-8.44	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.31	-4.59	50.72	74	-23.28	peak
3647	45.24	-4.59	40.65	54	-13.35	AVG
10480	52.63	3.75	56.38	74	-17.62	peak
10480	41.45	3.75	45.2	54	-8.8	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.41	-4.59	50.82	74	-23.18	peak
3647	44.91	-4.59	40.32	54	-13.68	AVG
10480	51.31	3.75	55.06	74	-18.94	peak
10480	40.52	3.75	44.27	54	-9.73	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 recorded 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.
- (7) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

Series Model No.: P6 pro

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.42	-4.59	50.83	74	-23.17	peak
3647	43.76	-4.59	39.17	54	-14.83	AVG
10360	52.93	3.74	56.67	74	-17.33	peak
10360	41.46	3.74	45.2	54	-8.8	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.55	-4.59	49.96	74	-24.04	peak
3647	43.68	-4.59	39.09	54	-14.91	AVG
10360	52.07	3.74	55.81	74	-18.19	peak
10360	40.35	3.74	44.09	54	-9.91	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.94	-4.59	50.35	74	-23.65	peak
3647	43.95	-4.59	39.36	54	-14.64	AVG
10400	51.35	3.74	55.09	74	-18.91	peak
10400	41.39	3.74	45.13	54	-8.87	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.04	-4.59	50.45	74	-23.55	peak
3647	45.07	-4.59	40.48	54	-13.52	AVG
10400	51.18	3.74	54.92	74	-19.08	peak
10400	40.38	3.74	44.12	54	-9.88	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						



HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.02	-4.59	51.43	74	-22.57	peak
3647	45.16	-4.59	40.57	54	-13.43	AVG
10480	51.89	3.75	55.64	74	-18.36	peak
10480	40.38	3.75	44.13	54	-9.87	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.82	-4.59	51.23	74	-22.77	peak
3647	44.18	-4.59	39.59	54	-14.41	AVG
10480	51.62	3.75	55.37	74	-18.63	peak
10480	41.16	3.75	44.91	54	-9.09	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 recorded 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.
- (7) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

Series Model No.: Sp20 Pro

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.77	-4.59	50.18	74	-23.82	peak
3647	43.67	-4.59	39.08	54	-14.92	AVG
10360	51.63	3.74	55.37	74	-18.63	peak
10360	40.22	3.74	43.96	54	-10.04	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.96	-4.59	51.37	74	-22.63	peak
3647	44.15	-4.59	39.56	54	-14.44	AVG
10360	53.03	3.74	56.77	74	-17.23	peak
10360	40.31	3.74	44.05	54	-9.95	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.41	-4.59	51.82	74	-22.18	peak
3647	44.57	-4.59	39.98	54	-14.02	AVG
10400	52.62	3.74	56.36	74	-17.64	peak
10400	40.78	3.74	44.52	54	-9.48	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.68	-4.59	50.09	74	-23.91	peak
3647	43.37	-4.59	38.78	54	-15.22	AVG
10400	51.62	3.74	55.36	74	-18.64	peak
10400	40.49	3.74	44.23	54	-9.77	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.41	-4.59	50.82	74	-23.18	peak
3647	44.36	-4.59	39.77	54	-14.23	AVG
10480	52.09	3.75	55.84	74	-18.16	peak
10480	39.94	3.75	43.69	54	-10.31	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.94	-4.59	51.35	74	-22.65	peak
3647	43.99	-4.59	39.4	54	-14.6	AVG
10480	51.88	3.75	55.63	74	-18.37	peak
10480	40.49	3.75	44.24	54	-9.76	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 recorded 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.
- (7) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

Series Model No.: Sp20 Pro

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.81	-4.59	50.22	74	-23.78	peak
3647	43.95	-4.59	39.36	54	-14.64	AVG
10360	52.78	3.74	56.52	74	-17.48	peak
10360	41.52	3.74	45.26	54	-8.74	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.32	-4.59	50.73	74	-23.27	peak
3647	45.01	-4.59	40.42	54	-13.58	AVG
10360	52.98	3.74	56.72	74	-17.28	peak
10360	40.93	3.74	44.67	54	-9.33	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.85	-4.59	50.26	74	-23.74	peak
3647	44.46	-4.59	39.87	54	-14.13	AVG
10400	51.42	3.74	55.16	74	-18.84	peak
10400	40.68	3.74	44.42	54	-9.58	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.99	-4.59	51.4	74	-22.6	peak
3647	43.84	-4.59	39.25	54	-14.75	AVG
10400	52.32	3.74	56.06	74	-17.94	peak
10400	40.55	3.74	44.29	54	-9.71	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.46	-4.59	49.87	74	-24.13	peak
3647	44.67	-4.59	40.08	54	-13.92	AVG
10480	52.94	3.75	56.69	74	-17.31	peak
10480	40.93	3.75	44.68	54	-9.32	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.86	-4.59	50.27	74	-23.73	peak
3647	44.49	-4.59	39.9	54	-14.1	AVG
10480	52.38	3.75	56.13	74	-17.87	peak
10480	41.82	3.75	45.57	54	-8.43	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 recorded 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.
- (7) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

Series Model No.: T3 Pro

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.36	-4.59	51.77	74	-22.23	peak
3647	44.54	-4.59	39.95	54	-14.05	AVG
10360	51.67	3.74	55.41	74	-18.59	peak
10360	40.55	3.74	44.29	54	-9.71	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.99	-4.59	50.4	74	-23.6	peak
3647	45.07	-4.59	40.48	54	-13.52	AVG
10360	52.02	3.74	55.76	74	-18.24	peak
10360	40.91	3.74	44.65	54	-9.35	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.43	-4.59	51.84	74	-22.16	peak
3647	44.83	-4.59	40.24	54	-13.76	AVG
10400	52.78	3.74	56.52	74	-17.48	peak
10400	40.19	3.74	43.93	54	-10.07	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.42	-4.59	50.83	74	-23.17	peak
3647	44.55	-4.59	39.96	54	-14.04	AVG
10400	52.67	3.74	56.41	74	-17.59	peak
10400	40.34	3.74	44.08	54	-9.92	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.22	-4.59	51.63	74	-22.37	peak
3647	43.41	-4.59	38.82	54	-15.18	AVG
10480	52.33	3.75	56.08	74	-17.92	peak
10480	41.62	3.75	45.37	54	-8.63	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	54.63	-4.59	50.04	74	-23.96	peak
3647	43.42	-4.59	38.83	54	-15.17	AVG
10480	51.71	3.75	55.46	74	-18.54	peak
10480	41.09	3.75	44.84	54	-9.16	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 recorded 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.
- (7) All the test modes completed for test. only the worst result of Mode 1(802.11a Mode)

Series Model No.: P8 Pro

LOW CH 36 (802.11 a Mode with 5.2G)/5180

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.42	-4.59	50.83	74	-23.17	peak
3647	43.64	-4.59	39.05	54	-14.95	AVG
10360	51.61	3.74	55.35	74	-18.65	peak
10360	40.75	3.74	44.49	54	-9.51	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.75	-4.59	51.16	74	-22.84	peak
3647	43.53	-4.59	38.94	54	-15.06	AVG
10360	51.13	3.74	54.87	74	-19.13	peak
10360	40.79	3.74	44.53	54	-9.47	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

MID CH40 (802.11 a Mode with 5.2G)/5200

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.28	-4.59	50.69	74	-23.31	peak
3647	44.84	-4.59	40.25	54	-13.75	AVG
10400	51.49	3.74	55.23	74	-18.77	peak
10400	40.19	3.74	43.93	54	-10.07	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)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	55.52	-4.59	50.93	74	-23.07	peak
3647	45.22	-4.59	40.63	54	-13.37	AVG
10400	51.87	3.74	55.61	74	-18.39	peak
10400	41.13	3.74	44.87	54	-9.13	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

HIGH CH 48 (802.11a Mode with 5.2G)/5240

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.08	-4.59	51.49	74	-22.51	peak
3647	44.15	-4.59	39.56	54	-14.44	AVG
10480	51.15	3.75	54.9	74	-19.1	peak
10480	39.97	3.75	43.72	54	-10.28	AVG
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Level-Limit.						

Vertical:

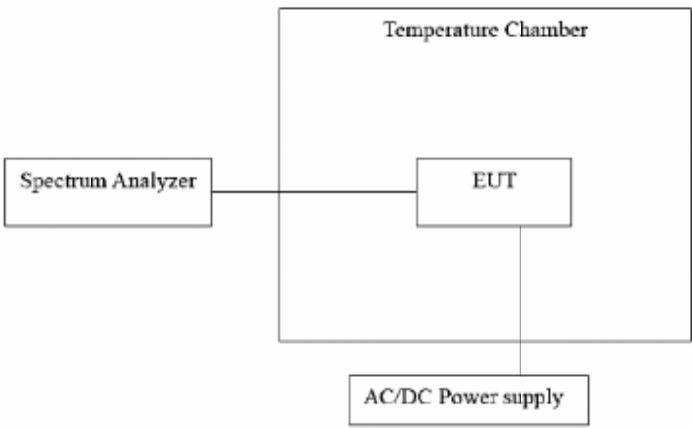
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
3647	56.35	-4.59	51.76	74	-22.24	peak
3647	43.78	-4.59	39.19	54	-14.81	AVG
10480	51.86	3.75	55.61	74	-18.39	peak
10480	41.25	3.75	45	54	-9	AVG
Remark: Factor = Cable loss + Antenna factor + 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 recorded 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.
- (7) 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] subgraph TC [Temperature Chamber] EUT end P[AC/DC Power supply] --- EUT </pre>
Test Procedure:	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.
Test Result:	PASS
Remark:	N/A

Test Result as follows:

Mode	Voltage (V)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
5.2G Band	4.25V	5179.992	-8	5239.982	-18
	5.0V	5180.014	14	5240.011	11
	5.75V	5180.009	9	5239.987	-13

Mode	Temperature (°C)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
5.2G Band	-30	5179.979	-21	5239.992	-8
	-20	5180.016	16	5240.006	6
	-10	5179.966	-34	5239.967	-33
	0	5180.012	12	5239.979	-21
	10	5179.981	-19	5239.985	-15
	20	5179.977	-23	5240.016	16
	30	5180.013	13	5239.981	-19
	40	5179.969	-31	5239.962	-38
	50	5179.971	-29	5240.011	11

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.

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

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 1.23dBi.

WIFI Antenna

