



FCC DOC TEST REPORT

According to

**47 CFR, Part 2, Part 15, CISPR PUB. 22
ICES 003 Issue 6**

Applicant	: Panasonic India Pvt. Ltd.
Address	: 6th Floor, "SPIC BUILDING" Annexe, No. 88, Mount Road, Guindy, Chennai - 600 032.
Equipment	: Network Dome Camera
Model No.	: PI-SFW201L,PI-SFW401L
Trade Name	: Panasonic

I HEREBY CERTIFY THAT :

The sample was received on Jun 02, 2015 and the testing was carried out on Jun 11, 2015 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Ray Chou
EMC/RF B.U. Assistant Manager



FCC TEST REPORT

Issued by:

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The test record, data evaluation & Equipment. Under Test configurations represented herein are true and accurate accounts of the measurements of the samples EMC characteristics under the conditions specified in this report.

Laboratory Accreditation:

☒ Cerpass Technology Corporation Test Laboratory

NVLAP LAB Code:	200954-0
TAF LAB Code:	1439



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History of this test report

■ ORIGINAL.

☐ Additional attachment as following record:

Report No	Version	Date	Description
SEFD1605055	Rev 01	May 12, 2016	Initial Issue



1. Summary of Test Procedure and Test Result

1.1. Applicable Standards

The measurements shown in this test report were made in accordance with the procedures given in ANSI C63.4 – 2014 and the energy emitted by this equipment was passed Part 2, Part 15, CISPR PUB. 22.

The energy emitted by this equipment was passed both Radiated and Conducted Emissions Class B limits.

Test Item	Normative References	Test Result	Remarks
Conducted Emission	ANSI C63.4-2014 FCC Part 15 Subpart B ICES 003 Issue 6	PASS	Meets Class B Limit Minimum passing margin(AV) is -2.30 dB at 0.3260 MHz
Radiated Emission	ANSI C63.4-2014 FCC Part 15 Subpart B ICES 003 Issue 6	PASS	Meets Class B Limit Minimum passing margin(QP) is -3.27 dB at 742.9500MHz



2. Test Configuration of Equipment under Test

2.1. Manufacturer

Panasonic India Pvt. Ltd.

6th Floor, "SPIC BUILDING" Annexe, No. 88, Mount Road, Guindy, Chennai - 600 032.

2.2. Feature of Equipment under Test

Network Dome Camera	Model No.:	PI-SFW201L,PI-SFW401L
	Input:	12V, 1A/24V~0.8A,50-60Hz POE:48V~0.26A
Remark	1.PI-SFW201L, PI-SFW401L are Only different SENSOR board. 2. PI-SFW401L, PI-SFW201L were selected as the test model and its data have been recorded in this report. They are identical except the sale area or software.	
Adapter 1#	Model No.:	ADS-12B-12 12012Gz
	INPUT:	100-240V~ 50/60Hz Max. 0.3A
	OUTPUT:	12V, 1.0A
Adapter 2#	Model No.:	A12-3A-10
	INPUT:	120V~60Hz 46W
	OUTPUT:	24V~1500mA

Note: Please refer to user manual.

I/O PORT:

I/O PORT TYPE	Quantity
1). RJ45 Port	1



2.3. Test Manner

Test Manner

- a During testing, the interface cables and equipment positions were varied according to ANSI C63.4-2009
- b Turn on the power of all equipment.
- c The complete test system included Notebook PC, HDD and EUT for EMI test.

The pre-test modes for RE

- Mode 1: Full system for PI-SFW401L with Adapter #1 + POE
- Mode 2: Full system for PI-SFW401L with Adapter #2 + POE
- Mode 3: Full system for PI-SFW401L with POE
- Mode 4: Full system for PI-SFW201L with Adapter #1 + POE
- Mode 5: Full system for PI-SFW201L with Adapter #2 + POE
- Mode 6: Full system for PI-SFW201L with POE

The pre-test modes for CE

- Mode 1: Full system for PI-SFW401L with Adapter #1 + POE
- Mode 2: Full system for PI-SFW401L with Adapter #2 + POE
- Mode 3: Full system for PI-SFW201L with Adapter #1 + POE
- Mode 4: Full system for PI-SFW201L with Adapter #2 + POE

Select the worst case of the pre-test modes as the final test mode

For RE

- Mode 1: Full system for PI-SFW401L with Adapter #1 + POE
- Mode 2: Full system for PI-SFW401L with Adapter #2 + POE
- Mode 3: Full system for PI-SFW401L with POE
- Mode 4: Full system for PI-SFW201L with Adapter #1 + POE
- Mode 5: Full system for PI-SFW201L with Adapter #2 + POE
- Mode 6: Full system for PI-SFW201L with POE

For CE

- Mode 1: Full system for PI-SFW401L with Adapter #1 + POE
- Mode 2: Full system for PI-SFW401L with Adapter #2 + POE
- Mode 3: Full system for PI-SFW201L with Adapter #1 + POE
- Mode 4: Full system for PI-SFW201L with Adapter #2 + POE

**2.4. Description of Test System**

No.	Device	Manufacturer	Model No.	Description
1	Notebook PC	SONY	PCG-71811P	Non-Shielded,1.5m (R33021)
2	DVR	Dahua	N/A	Non-Shielded,1.5m

No.	Cable	Quantity	Description
A	LAN Cable	1	Non-Shielded,>3.0 m
B	LAN Cable	1	Non-Shielded,>3.0 m
C	DC Cable	1	Non-Shielded,1.5m



2.5. General Information of Test

Test Site :	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881 Address: No.68-1, Shihbachongsi, Shihding Township, New Taipei City 223, Taiwan, R.O.C. Tel: +886-2-2663-8582
FCC Registration Number :	TW1079, TW1061,390316, 228391, 641184
IC Registration Number :	4934B-1, 4934E-1, 4934E-2
VCCI	T-2205 for Telecommunication Test C-4463 for Conducted emission test R-3428, R-4128 for Radiated emission test G-812, G-813 for radiated disturbance above 1GHz
Frequency Range Investigated :	Conducted Emission Test: from 150 kHz to 30 MHz Radiated Emission Test: from 30 MHz to 18,000 MHz
Test Distance :	The test distance of radiated emission below 1GHz from antenna to EUT is 10 M. The test distance of radiated emission above 1GHz from antenna to EUT is 3 M.

2.6. Measurement Uncertainty

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30 MHz	LINE / NEUTRAL	3.25 dB
Radiated Emission	30 MHz ~ 1,000 MHz	Vertical / Horizontal	3.93 dB
	1,000 MHz ~ 18,000 MHz	Vertical / Horizontal	5.18 dB

The measurement uncertainty will be considered, when test result margin to the limit.



3. Test of Conducted Emission

3.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2014 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Conducted Emission Limits:

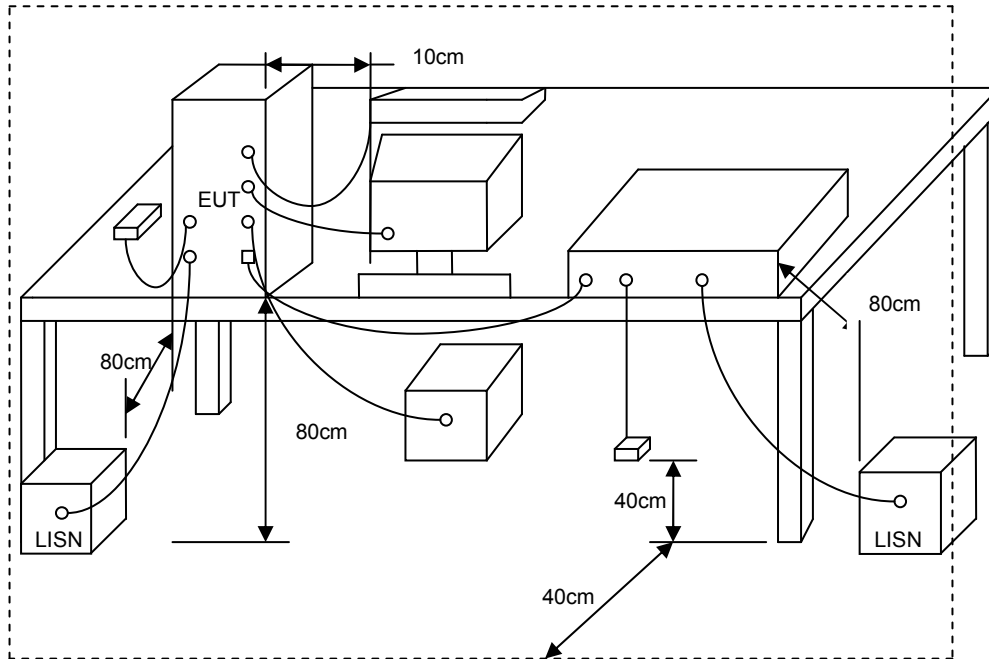
Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

3.2. Test Procedures

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



3.3. Typical test Setup



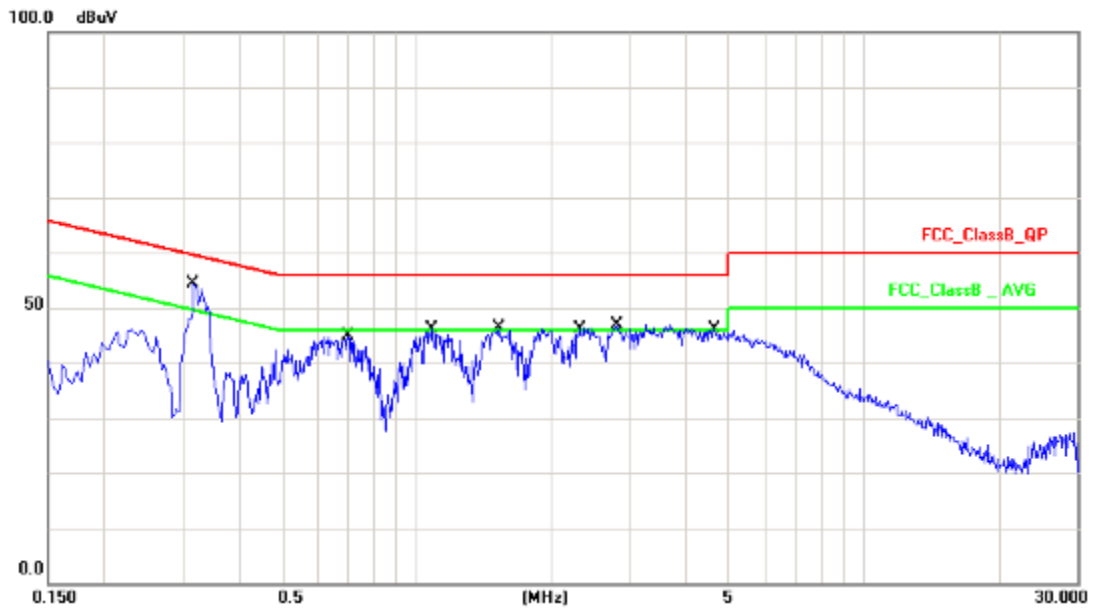
3.4. Measurement equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
Test Receiver	R&S	ESCI	100565	2015.03.29	2016.03.28
AMN	R&S	ESH2-Z5	100182	2014.09.04	2015.09.03
Two-Line V-Network	R&S	ENV216	100325	/	/
ISN	FCC	FCC-TLISN-T2-02	20379	2015.03.29	2016.03.28
ISN	FCC	FCC-TLISN-T4-02	20380	2015.03.29	2016.03.28
ISN	FCC	FCC-TLISN-T8-02	20381	2015.03.29	2016.03.28
ISN	TESEQ	ISN ST08	30175	2015.03.29	2016.03.28
Current Probe	R&S	EZ-17	100303	2015.03.29	2016.03.28
Passive Voltage Probe	R&S	ESH2-Z3	100026	2015.03.29	2016.03.28
Pulse Limiter	R&S	ESH3-Z2	100529	2015.03.29	2016.03.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2015.04.02	2016.04.01
EZ-EMC	Fala	Ver CT3A1	N/A	N/A	N/A



3.5. Test Result and Data

Test Mode :	Mode 1: Full system for PI-SFW401L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Phase :	LINE
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temperature :	23°C	Humidity :	55%
Pressure(mbar) :	1002	Date :	2015/06/10

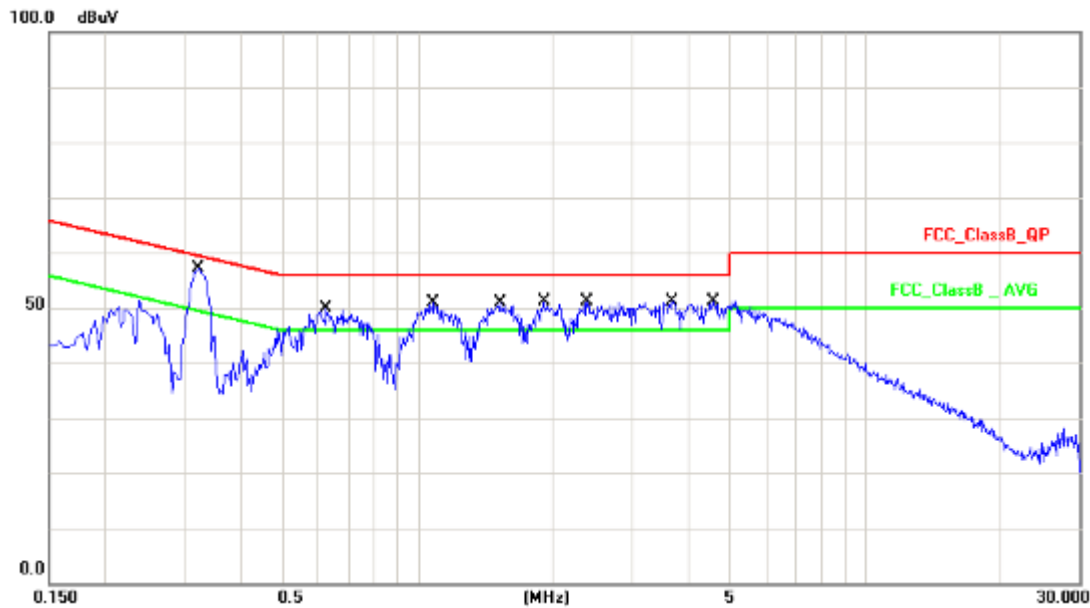


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3180	10.14	41.31	51.45	59.76	-8.31	QP
2	0.3180	10.14	31.18	41.32	49.76	-8.44	AVG
3	0.7019	10.15	31.35	41.50	56.00	-14.50	QP
4	0.7019	10.15	21.21	31.36	46.00	-14.64	AVG
5	1.0859	10.16	32.35	42.51	56.00	-13.49	QP
6	1.0859	10.16	21.85	32.01	46.00	-13.99	AVG
7	1.5339	10.17	32.55	42.72	56.00	-13.28	QP
8	1.5339	10.17	22.19	32.36	46.00	-13.64	AVG
9	2.3140	10.18	31.56	41.74	56.00	-14.26	QP
10	2.3140	10.18	20.49	30.67	46.00	-15.33	AVG
11	2.8140	10.18	31.35	41.53	56.00	-14.47	QP
12	2.8140	10.18	21.75	31.93	46.00	-14.07	AVG
13	4.6460	10.22	30.28	40.50	56.00	-15.50	QP
14	4.6460	10.22	20.38	30.60	46.00	-15.40	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 1: Full system for PI-SFW401L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Phase :	NEUTRAL
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temperature :	23°C	Humidity :	55%
Pressure(mbar) :	1002	Date :	2015/06/10

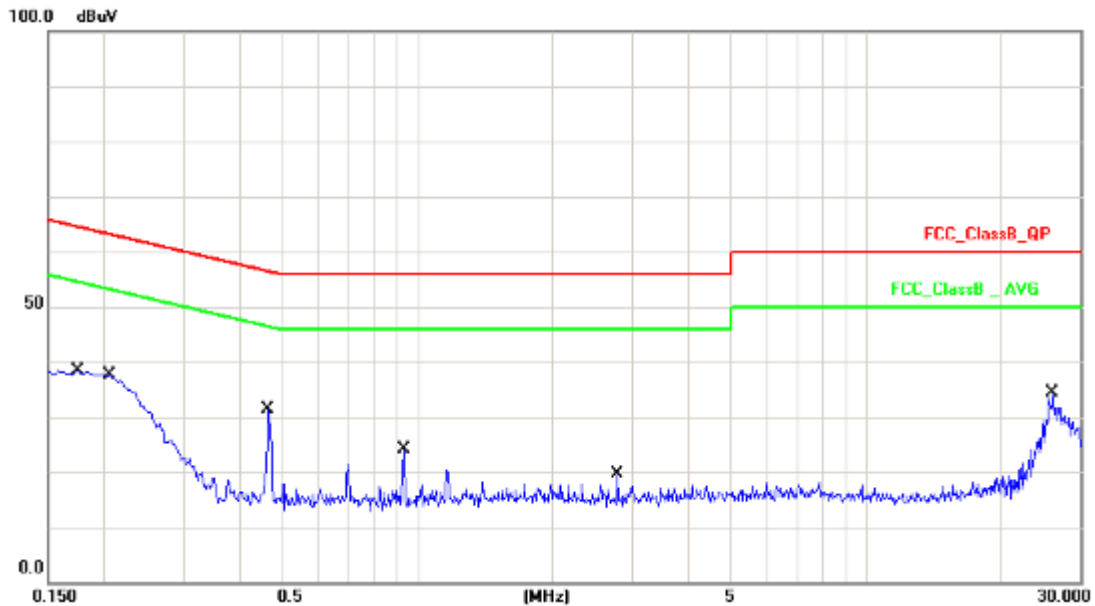


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3220	10.14	46.16	56.30	59.65	-3.35	QP
2	0.3220	10.14	35.17	45.31	49.65	-4.34	AVG
3	0.6260	10.16	36.67	46.83	56.00	-9.17	QP
4	0.6260	10.16	27.18	37.34	46.00	-8.66	AVG
5	1.0820	10.18	37.19	47.37	56.00	-8.63	QP
6	1.0820	10.18	27.94	38.12	46.00	-7.88	AVG
7	1.5300	10.18	37.61	47.79	56.00	-8.21	QP
8	1.5300	10.18	27.93	38.11	46.00	-7.89	AVG
9	1.9140	10.18	37.52	47.70	56.00	-8.30	QP
10	1.9140	10.18	27.20	37.38	46.00	-8.62	AVG
11	2.3900	10.19	37.07	47.26	56.00	-8.74	QP
12	2.3900	10.19	27.31	37.50	46.00	-8.50	AVG
13	3.6820	10.21	36.69	46.90	56.00	-9.10	QP
14	3.6820	10.21	26.54	36.75	46.00	-9.25	AVG
15	4.5620	10.24	36.31	46.55	56.00	-9.45	QP
16	4.5620	10.24	26.15	36.39	46.00	-9.61	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Full system for PI-SFW401L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Phase :	LINE
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temperature :	23°C	Humidity :	55%
Pressure(mbar) :	1002	Date :	2015/06/10

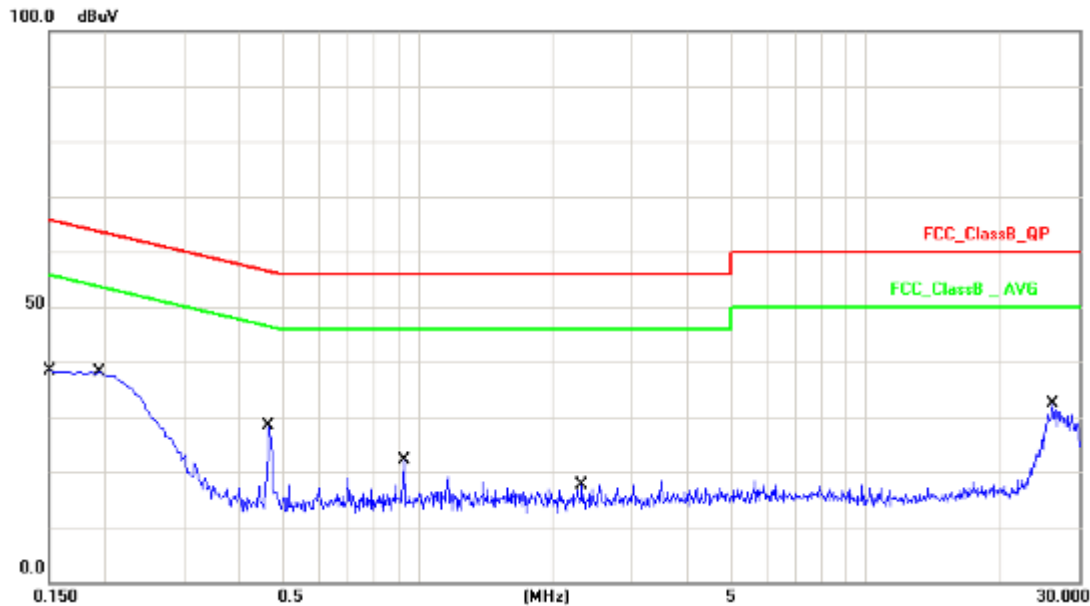


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	10.13	20.85	30.98	64.76	-33.78	QP
2	0.1740	10.13	-0.49	9.64	54.76	-45.12	AVG
3	0.2060	10.12	20.18	30.30	63.36	-33.06	QP
4	0.2060	10.12	-0.92	9.20	53.36	-44.16	AVG
5	0.4660	10.16	18.86	29.02	56.58	-27.56	QP
6	0.4660	10.16	18.33	28.49	46.58	-18.09	AVG
7	0.9300	10.16	12.06	22.22	56.00	-33.78	QP
8	0.9300	10.16	11.67	21.83	46.00	-24.17	AVG
9	2.7900	10.18	2.74	12.92	56.00	-43.08	QP
10	2.7900	10.18	-1.05	9.13	46.00	-36.87	AVG
11	26.0580	10.43	20.24	30.67	60.00	-29.33	QP
12	26.0580	10.43	16.59	27.02	50.00	-22.98	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Full system for PI-SFW401L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Phase :	NEUTRAL
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temperature :	23°C	Humidity :	55%
Pressure(mbar) :	1002	Date :	2015/06/10

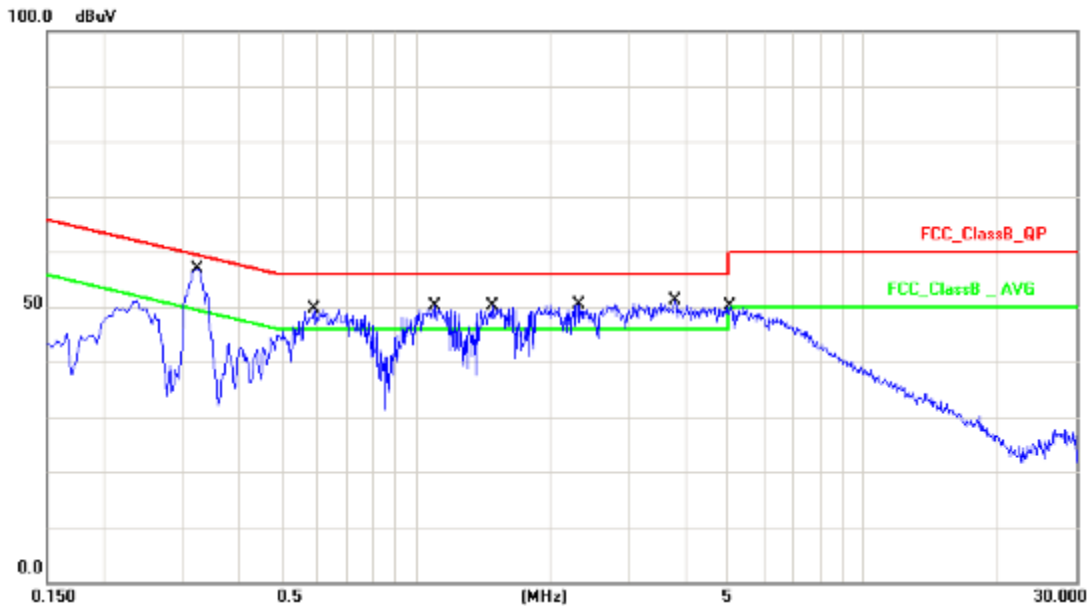


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.13	21.06	31.19	65.99	-34.80	QP
2	0.1500	10.13	0.17	10.30	55.99	-45.69	AVG
3	0.1940	10.13	20.67	30.80	63.86	-33.06	QP
4	0.1940	10.13	-0.72	9.41	53.86	-44.45	AVG
5	0.4660	10.15	16.35	26.50	56.58	-30.08	QP
6	0.4660	10.15	15.09	25.24	46.58	-21.34	AVG
7	0.9340	10.17	7.18	17.35	56.00	-38.65	QP
8	0.9340	10.17	6.40	16.57	46.00	-29.43	AVG
9	2.3260	10.19	3.15	13.34	56.00	-42.66	QP
10	2.3260	10.19	-0.83	9.36	46.00	-36.64	AVG
11	26.2540	10.33	19.79	30.12	60.00	-29.88	QP
12	26.2540	10.33	17.25	27.58	50.00	-22.42	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 3: Full system for PI-SFW201L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Phase :	LINE
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temperature :	23°C	Humidity :	55%
Pressure(mbar) :	1002	Date :	2015/06/10

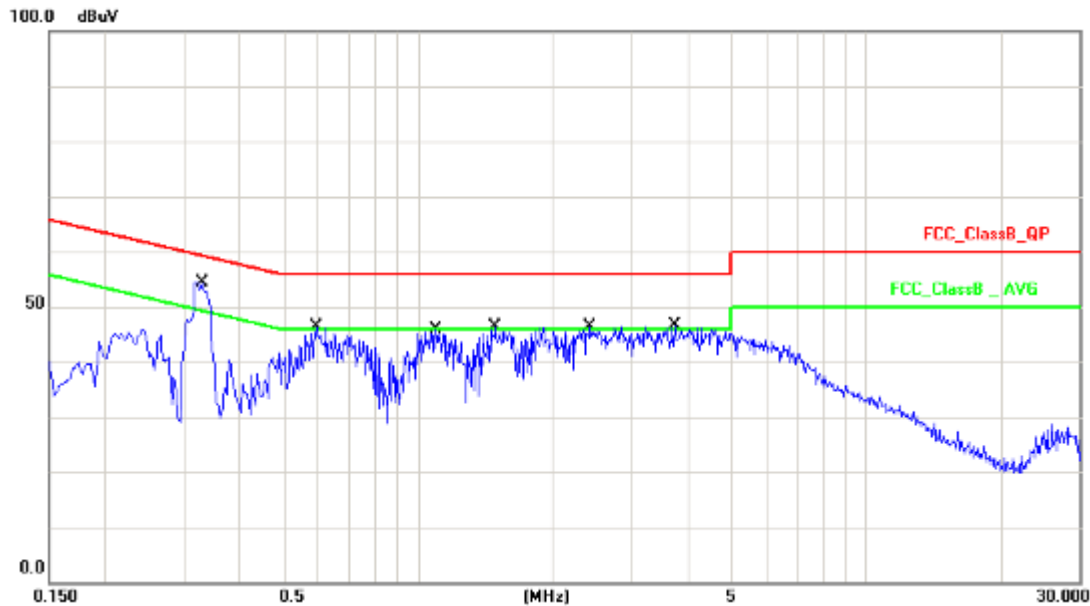


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3260	10.14	47.11	57.25	59.55	-2.30	QP
2	0.3260	10.14	36.56	46.70	49.55	-2.85	AVG
3	0.5940	10.16	36.98	47.14	56.00	-8.86	QP
4	0.5940	10.16	27.17	37.33	46.00	-8.67	AVG
5	1.1019	10.16	36.89	47.05	56.00	-8.95	QP
6	1.1019	10.16	26.74	36.90	46.00	-9.10	AVG
7	1.4819	10.16	36.58	46.74	56.00	-9.26	QP
8	1.4819	10.16	26.89	37.05	46.00	-8.95	AVG
9	2.3140	10.18	36.15	46.33	56.00	-9.67	QP
10	2.3140	10.18	25.06	35.24	46.00	-10.76	AVG
11	3.8180	10.20	34.90	45.10	56.00	-10.90	QP
12	3.8180	10.20	23.38	33.58	46.00	-12.42	AVG
13	5.0500	10.24	35.01	45.25	60.00	-14.75	QP
14	5.0500	10.24	24.70	34.94	50.00	-15.06	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 3: Full system for PI-SFW201L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Phase :	NEUTRAL
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temperature :	23°C	Humidity :	55%
Pressure(mbar) :	1002	Date :	2015/06/10

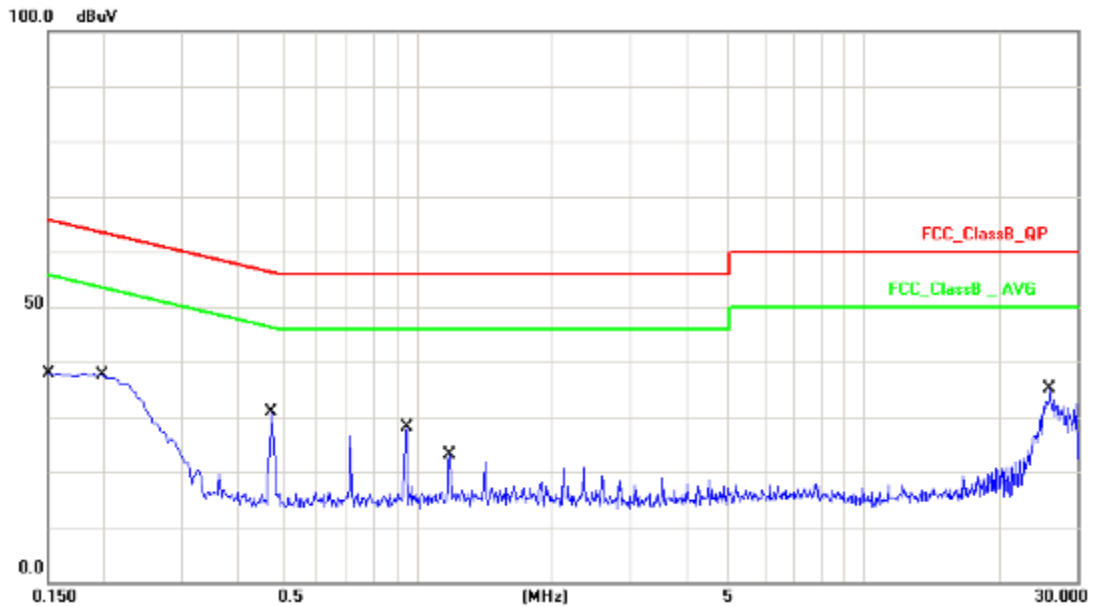


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3300	10.14	41.30	51.44	59.45	-8.01	QP
2	0.3300	10.14	31.36	41.50	49.45	-7.95	AVG
3	0.5940	10.15	32.08	42.23	56.00	-13.77	QP
4	0.5940	10.15	21.87	32.02	46.00	-13.98	AVG
5	1.0980	10.18	31.82	42.00	56.00	-14.00	QP
6	1.0980	10.18	21.11	31.29	46.00	-14.71	AVG
7	1.4940	10.18	31.61	41.79	56.00	-14.21	QP
8	1.4940	10.18	21.39	31.57	46.00	-14.43	AVG
9	2.4340	10.19	31.41	41.60	56.00	-14.40	QP
10	2.4340	10.19	20.81	31.00	46.00	-15.00	AVG
11	3.7580	10.22	30.73	40.95	56.00	-15.05	QP
12	3.7580	10.22	20.11	30.33	46.00	-15.67	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 4: Full system for PI-SFW201L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Phase :	LINE
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temperature :	23℃	Humidity :	55%
Pressure(mbar) :	1002	Date :	2015/06/10

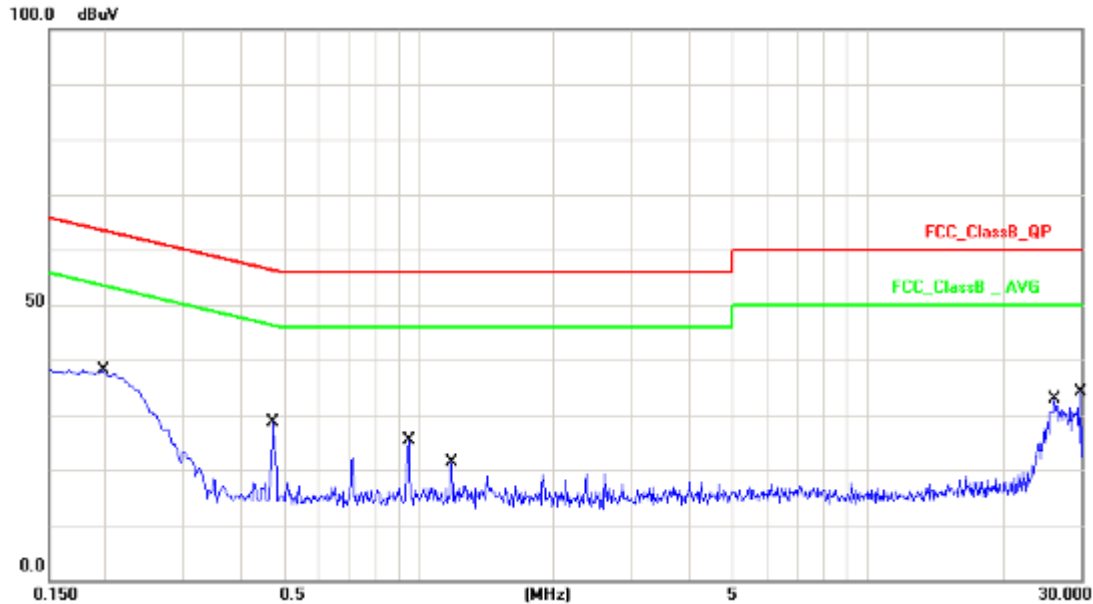


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	10.13	20.79	30.92	65.99	-35.07	QP
2	0.1500	10.13	0.06	10.19	55.99	-45.80	AVG
3	0.1980	10.12	20.45	30.57	63.69	-33.12	QP
4	0.1980	10.12	-0.80	9.32	53.69	-44.37	AVG
5	0.4740	10.16	19.19	29.35	56.44	-27.09	QP
6	0.4740	10.16	18.75	28.91	46.44	-17.53	AVG
7	0.9500	10.16	14.37	24.53	56.00	-31.47	QP
8	0.9500	10.16	14.03	24.19	46.00	-21.81	AVG
9	1.1860	10.16	10.31	20.47	56.00	-35.53	QP
10	1.1860	10.16	9.24	19.40	46.00	-26.60	AVG
11	26.0580	10.43	22.25	32.68	60.00	-27.32	QP
12	26.0580	10.43	17.54	27.97	50.00	-22.03	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 4: Full system for PI-SFW201L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Phase :	NEUTRAL
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temperature :	23°C	Humidity :	55%
Pressure(mbar) :	1002	Date :	2015/06/10



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1980	10.13	20.42	30.55	63.69	-33.14	QP
2	0.1980	10.13	-0.81	9.32	53.69	-44.37	AVG
3	0.4740	10.15	16.29	26.44	56.44	-30.00	QP
4	0.4740	10.15	15.19	25.34	46.44	-21.10	AVG
5	0.9500	10.18	11.78	21.96	56.00	-34.04	QP
6	0.9500	10.18	11.19	21.37	46.00	-24.63	AVG
7	1.1860	10.18	7.92	18.10	56.00	-37.90	QP
8	1.1860	10.18	6.49	16.67	46.00	-29.33	AVG
9	26.2580	10.33	19.98	30.31	60.00	-29.69	QP
10	26.2580	10.33	17.26	27.59	50.00	-22.41	AVG
11	29.8460	10.27	20.63	30.90	60.00	-29.10	QP
12	29.8460	10.27	16.83	27.10	50.00	-22.90	AVG

Note: Measurement Level = Reading Level + Correct Factor

Test engineer: Dian



3.6. Test Photographs

Front View



Rear View





4. Test of Radiated Emission

4.1. Test Limit

Below 1GHz (for digital device)

For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

FREQUENCY (MHz)	dBuV/m (At 10m)	
	Class A	Class B
30 ~ 230	40	30
230 ~ 1000	47	37

Limit tables for non-digital device:

Class A Radiated Emission limit at 10m (for others)

Frequency (MHZ)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	90	39
88 - 216	150	43.5
216 - 960	210	46.4
Above 960	300	49.5

Class B Radiated Emission limit at 3m (for others)

Frequency (MHZ)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Above 1GHz(for all device)

Frequency (MHZ)	Class A (dBuV/m) (At 10m)		Class B (dBuV/m) (At 3m)	
	Average	Peak	Average	Peak
Above 1000	49.5	69.5	54	74

NOTE: (1) The lower limit shall apply at the transition frequencies.
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
(3) The measurement above 1GHz is at close-in distances 3m, and determine the limit L2 corresponding to the close-in distance d2 by applying the following relation: $L2 = L1 (d1/d2)$, where L1 is the specified limit in microvolts per metre (uV/m) at the distance d1 (10m), L2 is the new limit for distance d2 (3m).
So the new Class A limit above 1GHz at 3m is as following table:



Frequency (MHZ)	Class A (dBUV/m) (At 3m)	
	Average	Peak
Above 1000	60	80

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.75	30
1.75-108	1000
108-500	2000
500-1000	5000
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower

4.2. Test Procedures

Procedure of Preliminary Test

- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a 15 cm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The EUT received AC 120VAC/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 or 10 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning



the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

- Set the spectrum analyzer/ Receiver in the following setting as:
Below 1GHz:
RBW=120KHz / VBW=300KHz / Sweep=AUTO
Above 1GHz:
Peak: RBW=1MHz, VBW=3MHz / Sweep=AUTO
Average: RBW=1MHz / VBW=10Hz / Sweep=AUTO
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

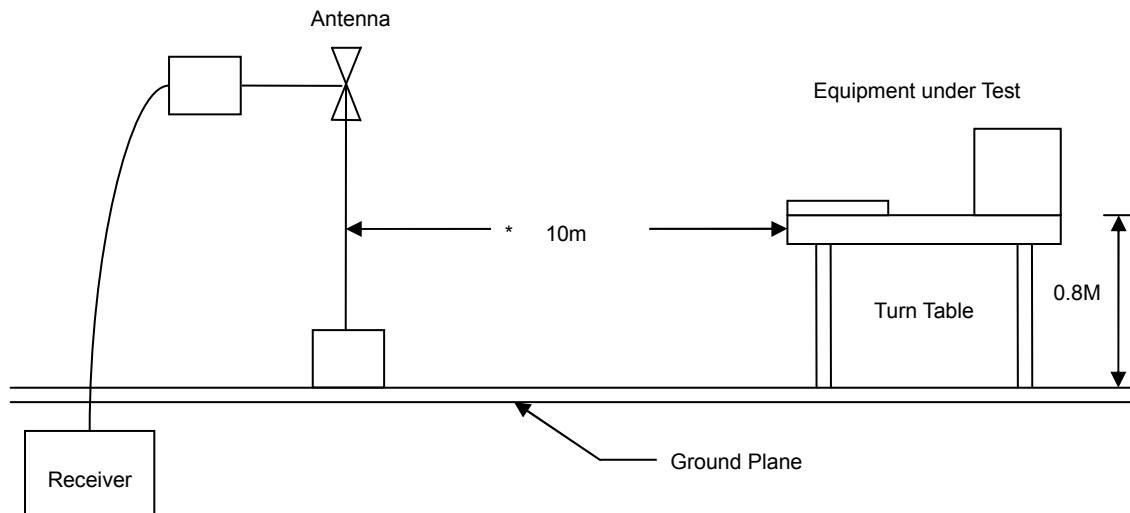
Procedure of Final Test

- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 or 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. Below 1GHz the Q.P. reading and above 1GHz the Peak and Average reading are presented.
- The test data of the worst-case condition(s) was recorded.

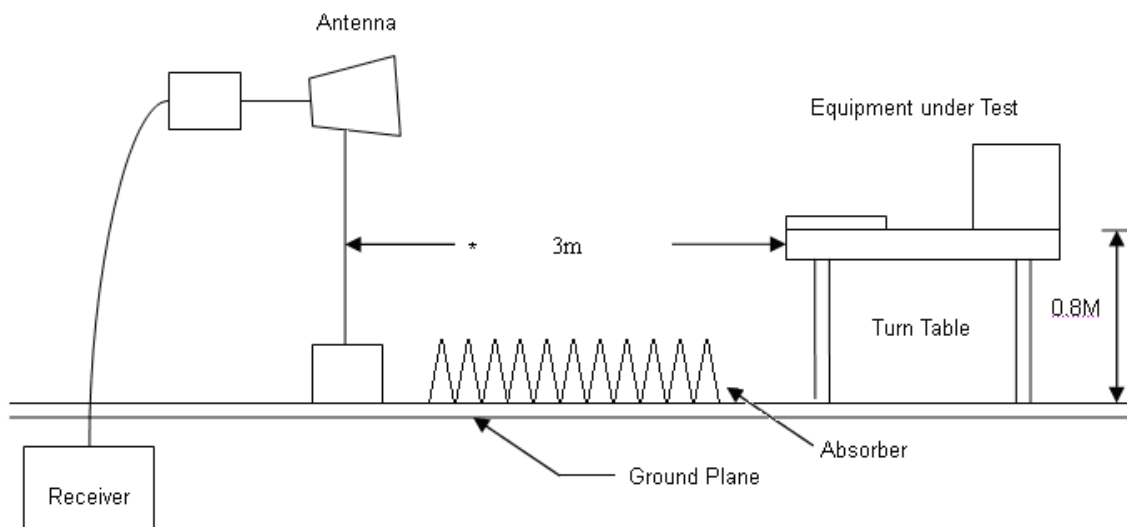


4.3. Typical test Setup

Below 1GHz Test Setup



Above 1GHz Test Setup



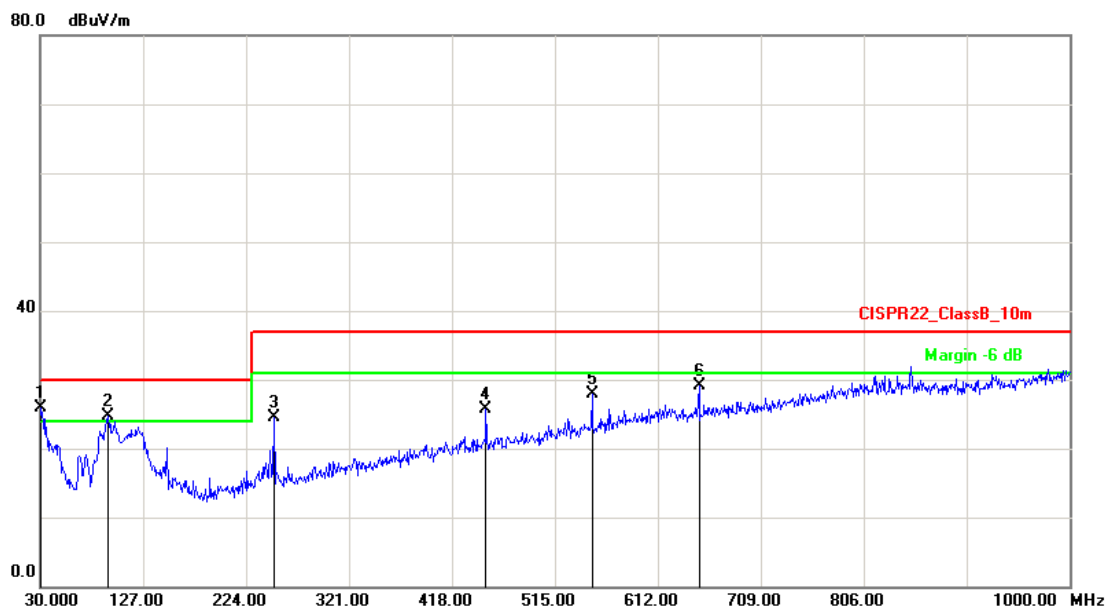
**4.4. Measurement equipment**

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
EMI Test Receiver	R&S	ESCI7	100968	2014.06.11	2015.06.10
Preamplifier	Agilent	87405B	My39500554	2015.03.29	2016.03.28
Preamplifier	Agilent	8449B	3008A02342	2015.03.29	2016.03.28
Bilog Antenna	Sunol Science	JB1	A072414-3	2014.08.05	2015.08.04
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-619	2015.04.20	2016.04.19
Spectrum Analyzer	R&S	FSP40	100324	2015.03.29	2016.03.28
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-001	2015.04.02	2016.04.01
EZ-EMC	Fala	Ver CT3A1	N/A	N/A	N/A



4.5. Test Result and Data (30MHz ~ 1000MHz)

Test Mode :	Mode 1: Full system for PI-SFW401L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

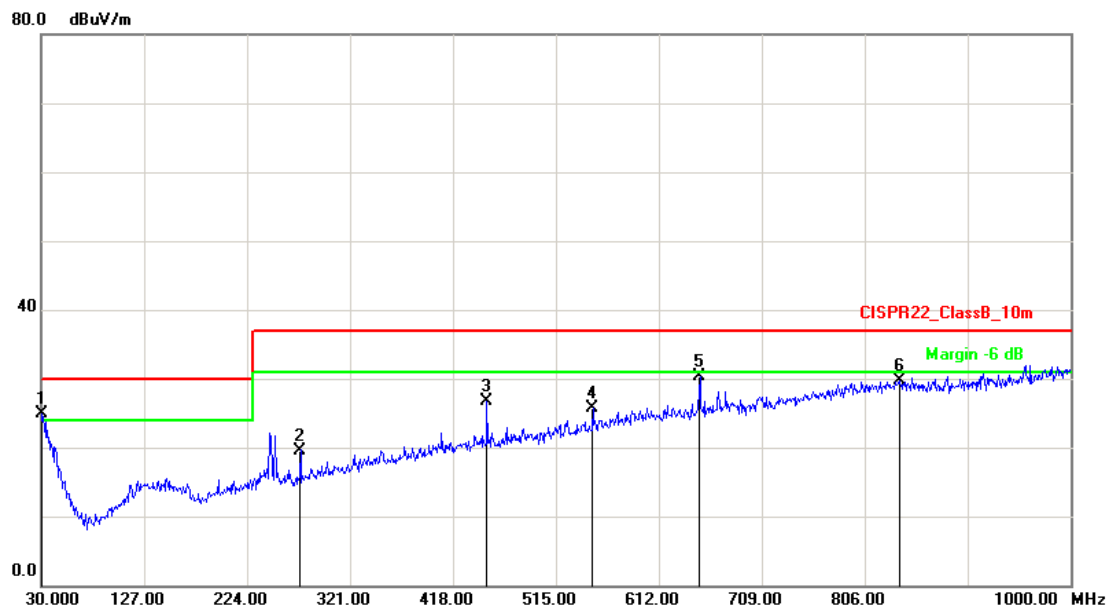


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	30.9700	-1.20	27.11	25.91	30.00	-4.09	QP	200	35
2	94.0199	-14.56	39.21	24.65	30.00	-5.35	QP	200	176
3	250.1900	-9.45	34.02	24.57	37.00	-12.43	QP	100	231
4	450.0100	-3.69	29.30	25.61	37.00	-11.39	QP	100	150
5	549.9200	-1.39	29.34	27.95	37.00	-9.05	QP	100	164
6	650.8000	0.59	28.51	29.10	37.00	-7.90	QP	100	203

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 1: Full system for PI-SFW401L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

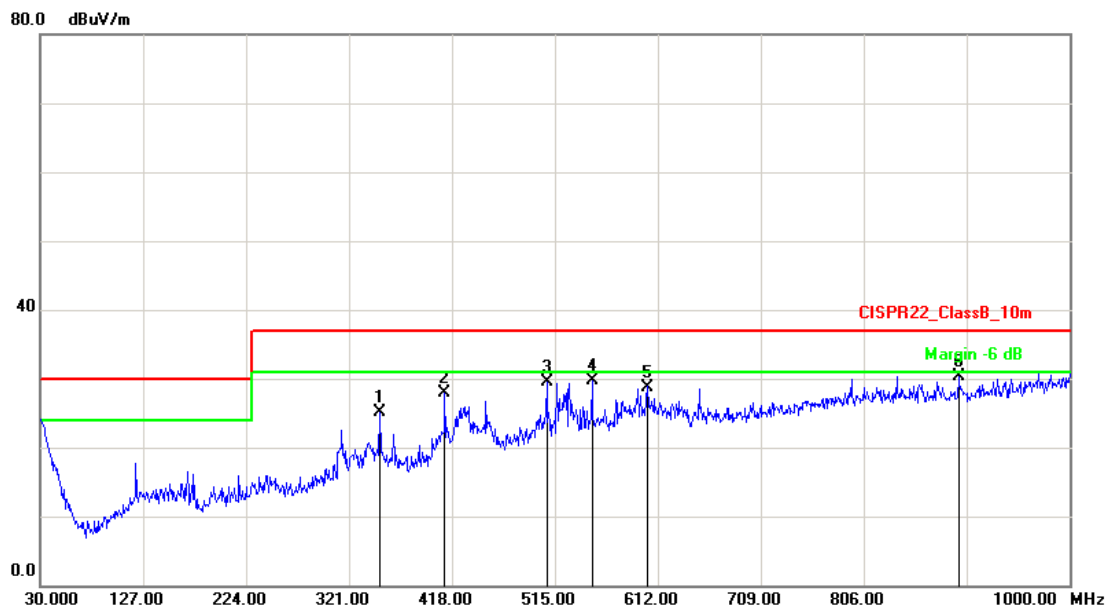


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	30.9699	-1.20	26.08	24.88	30.00	-5.12	QP	168	0
2	274.4399	-9.26	28.86	19.60	37.00	-17.40	QP	200	277
3	450.0099	-3.69	30.37	26.68	37.00	-10.32	QP	200	240
4	549.9199	-1.39	27.08	25.69	37.00	-11.31	QP	200	262
5	650.7999	0.59	29.64	30.23	37.00	-6.77	QP	200	262
6	838.9800	3.70	26.02	29.72	37.00	-7.28	QP	100	8

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Full system for PI-SFW401L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

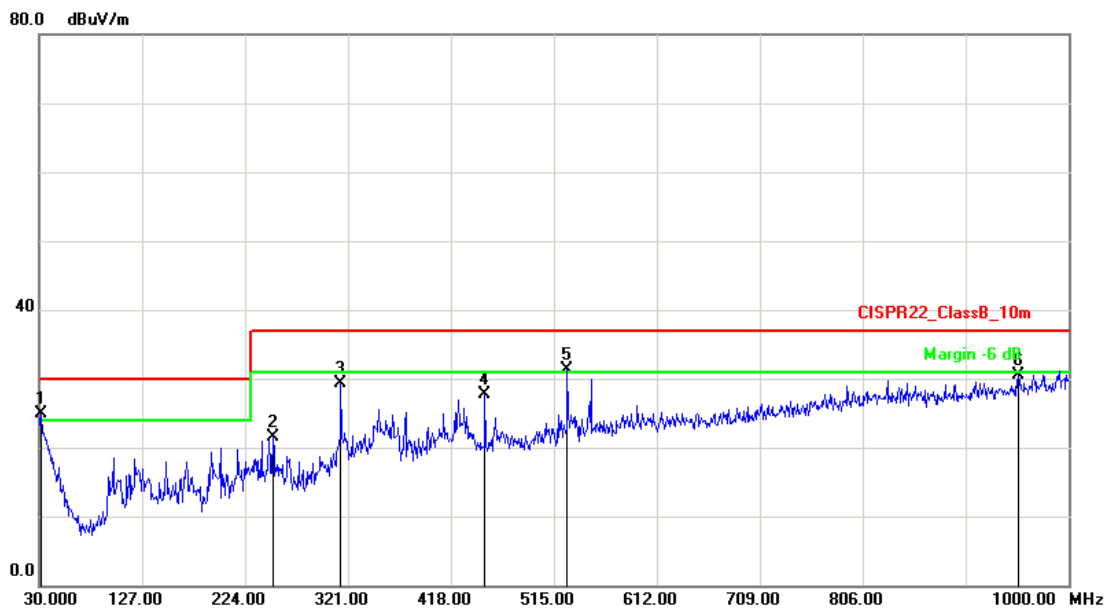


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	350.1000	-6.37	31.45	25.08	37.00	-11.92	peak	100	353
2	411.2100	-4.54	32.35	27.81	37.00	-9.19	peak	100	277
3	507.2400	-2.43	31.86	29.43	37.00	-7.57	peak	100	255
4	549.9200	-1.39	31.01	29.62	37.00	-7.38	peak	100	277
5	602.3000	-0.14	28.94	28.80	37.00	-8.20	peak	100	288
6	895.2400	4.08	26.29	30.37	37.00	-6.63	peak	100	286

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Full system for PI-SFW401L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

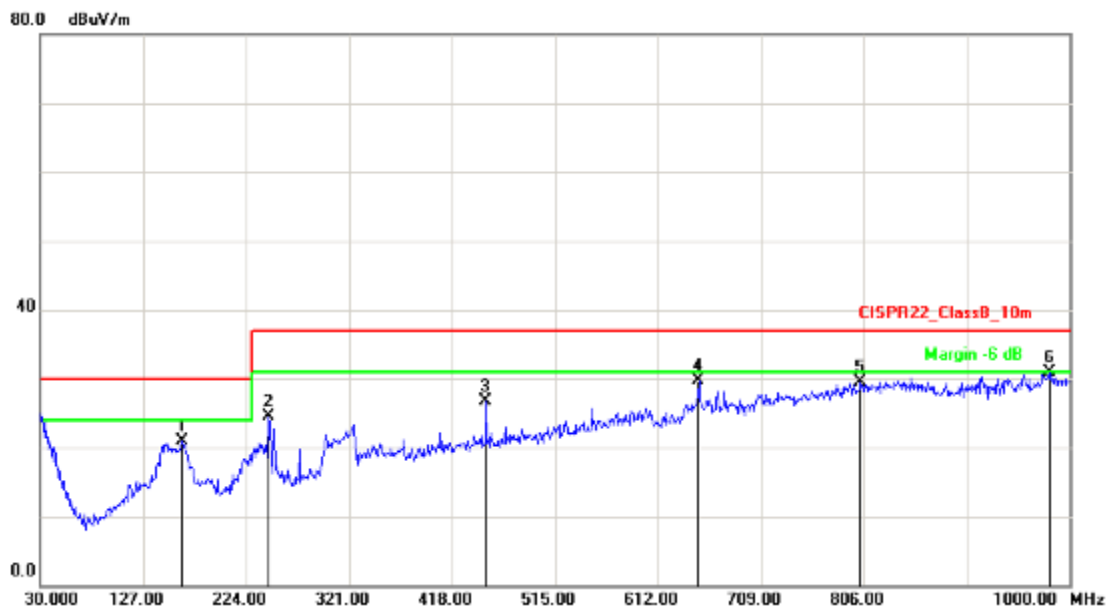


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	31.9400	-1.64	26.52	24.88	30.00	-5.12	QP	200	360
2	250.1899	-9.45	31.01	21.56	37.00	-15.44	QP	200	21
3	314.2099	-7.51	36.83	29.32	37.00	-7.68	QP	114	226
4	450.0099	-3.69	31.33	27.64	37.00	-9.36	QP	100	87
5	527.6100	-1.94	33.30	31.36	37.00	-5.64	QP	400	8
6	952.4700	5.04	25.47	30.51	37.00	-6.49	QP	100	154

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 3: Full system for PI-SFW401L with POE		
DC Power :	POE 48V	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

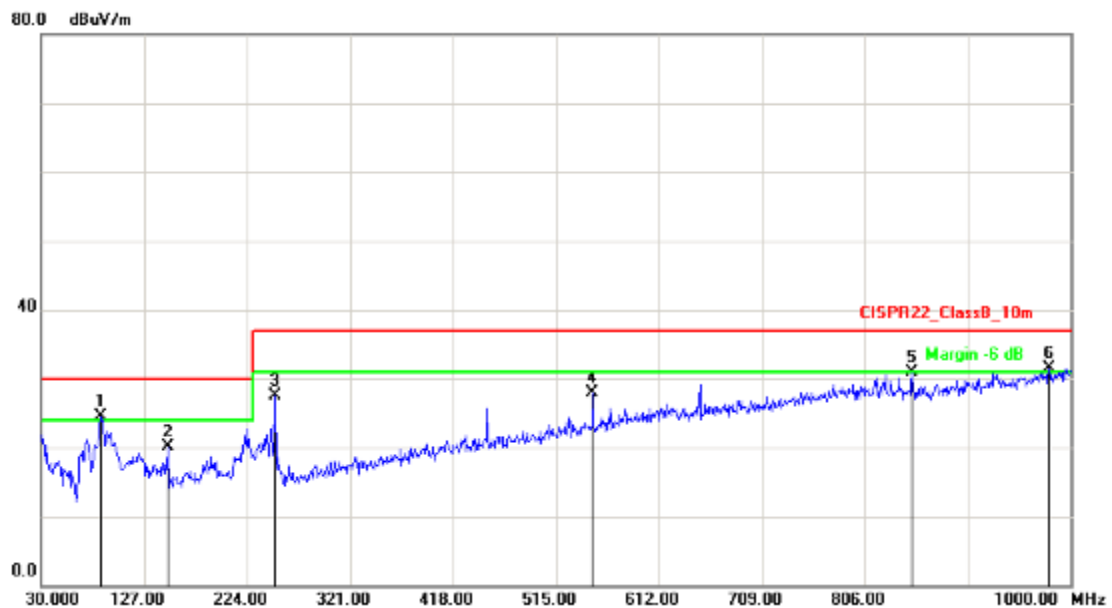


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	163.8600	-11.11	31.97	20.86	30.00	-9.14	QP	100	15
2	245.3400	-9.26	33.82	24.56	37.00	-12.44	QP	100	87
3	450.0099	-3.69	30.37	26.68	37.00	-10.32	QP	200	225
4	650.7998	0.59	29.14	29.73	37.00	-7.27	QP	100	187
5	803.0900	3.45	26.14	29.59	37.00	-7.41	QP	100	360
6	980.6000	5.54	25.30	30.84	37.00	-6.16	QP	400	124

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 3: Full system for PI-SFW401L with POE		
DC Power :	POE 48V	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

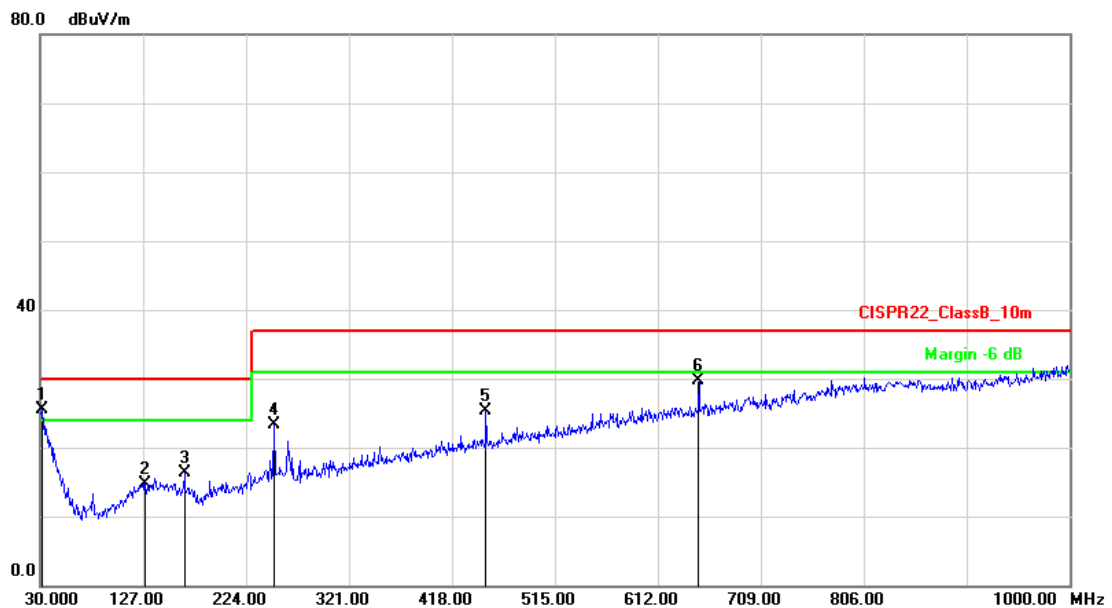


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	86.2600	-15.41	39.95	24.54	30.00	-5.46	QP	100	360
2	149.3100	-10.58	30.63	20.05	30.00	-9.95	QP	100	215
3	250.1897	-9.45	37.02	27.57	37.00	-9.43	QP	200	225
4	549.9198	-1.39	29.34	27.95	37.00	-9.05	QP	100	87
5	850.6200	3.77	27.09	30.86	37.00	-6.14	QP	100	115
6	979.6299	5.52	25.92	31.44	37.00	-5.56	QP	400	12

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 4: Full system for PI-SFW201L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

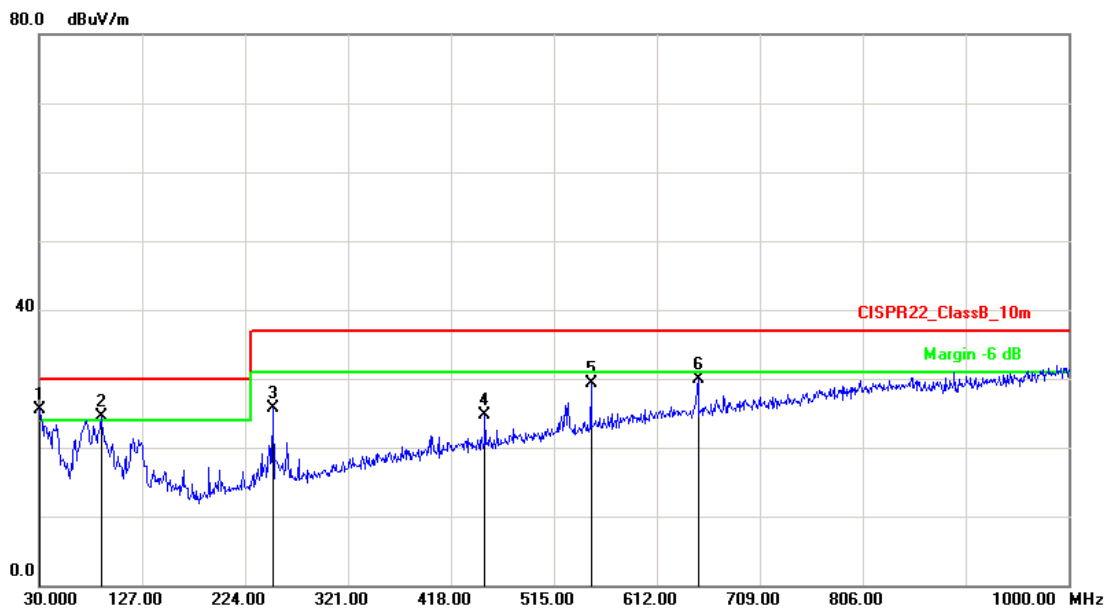


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	31.9400	-1.64	27.07	25.43	30.00	-4.57	QP	100	279
2	128.9399	-10.88	25.68	14.80	30.00	-15.20	QP	100	0
3	165.8000	-11.29	27.52	16.23	30.00	-13.77	QP	400	91
4	250.1899	-9.45	32.67	23.22	37.00	-13.78	QP	400	223
5	450.0099	-3.69	29.01	25.32	37.00	-11.68	QP	100	280
6	650.7999	0.59	29.08	29.67	37.00	-7.33	QP	100	263

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 4: Full system for PI-SFW201L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

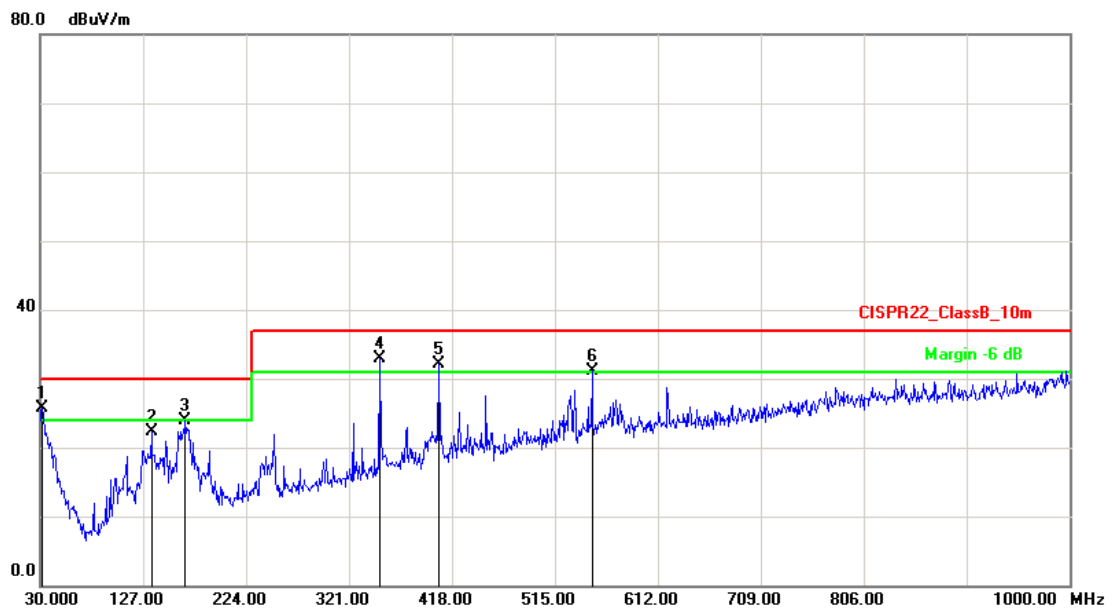


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	30.0000	-0.76	26.29	25.53	30.00	-4.47	QP	400	359
2	88.2000	-15.31	39.72	24.41	30.00	-5.59	QP	100	139
3	250.1900	-9.45	35.22	25.77	37.00	-11.23	QP	100	94
4	450.0100	-3.69	28.37	24.68	37.00	-12.32	QP	100	182
5	549.9200	-1.39	30.70	29.31	37.00	-7.69	QP	400	118
6	650.8000	0.59	29.29	29.88	37.00	-7.12	QP	400	163

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 5: Full system for PI-SFW201L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

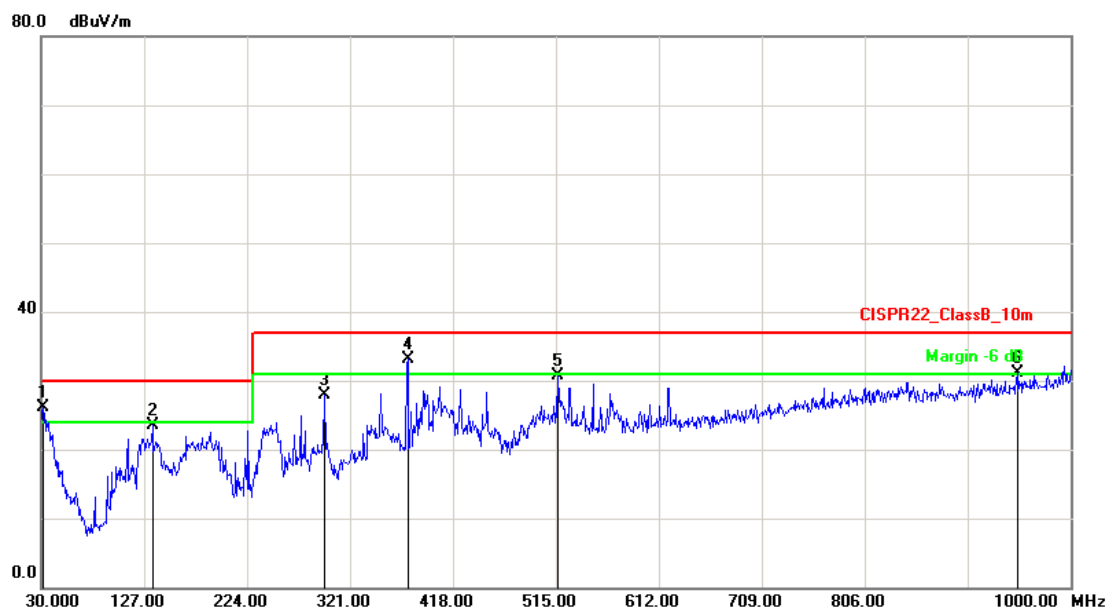


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	31.9400	-1.64	27.33	25.69	30.00	-4.31	QP	200	9
2	134.7600	-10.64	32.85	22.21	30.00	-7.79	QP	100	117
3	166.7700	-11.38	35.36	23.98	30.00	-6.02	QP	200	22
4	350.1000	-6.37	39.25	32.88	37.00	-4.12	QP	118	228
5	405.3900	-4.66	36.74	32.08	37.00	-4.92	QP	100	87
6	549.9200	-1.39	32.53	31.14	37.00	-5.86	QP	400	154

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 5: Full system for PI-SFW201L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

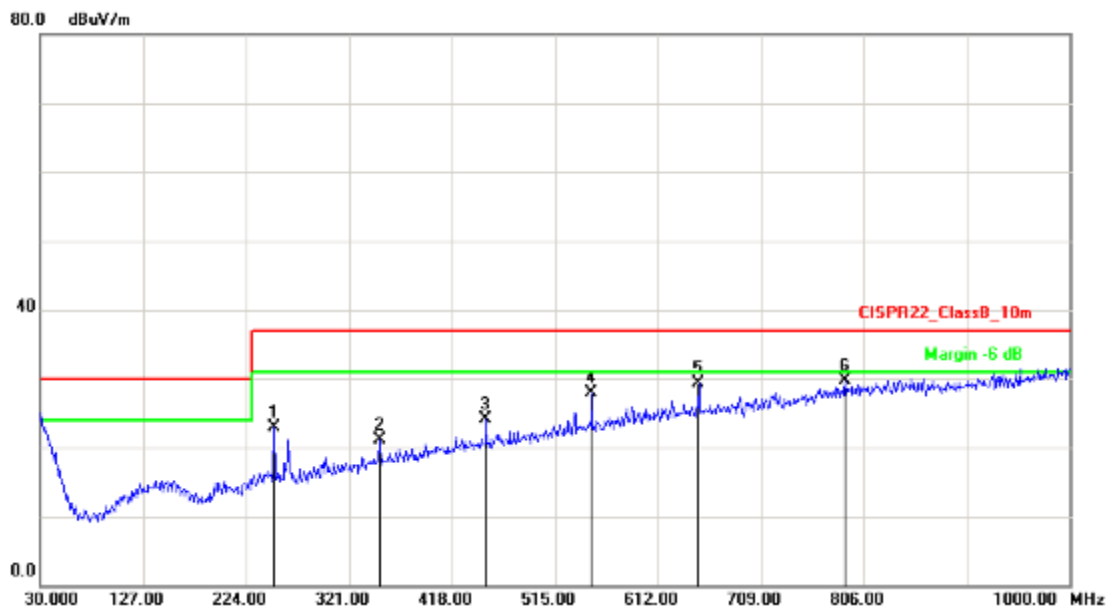


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	31.9400	-1.64	27.72	26.08	30.00	-3.92	QP	100	215
2	134.7600	-10.64	34.05	23.41	30.00	-6.59	QP	100	2
3	296.7500	-8.13	36.05	27.92	37.00	-9.08	QP	200	360
4	375.3200	-5.56	38.66	33.10	37.00	-3.90	QP	114	225
5	516.9400	-2.20	32.81	30.61	37.00	-6.39	QP	100	87
6	950.5300	5.00	26.12	31.12	37.00	-5.88	QP	400	154

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 6: Full system for PI-SFW201L with POE		
DC Power :	POE 48V	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

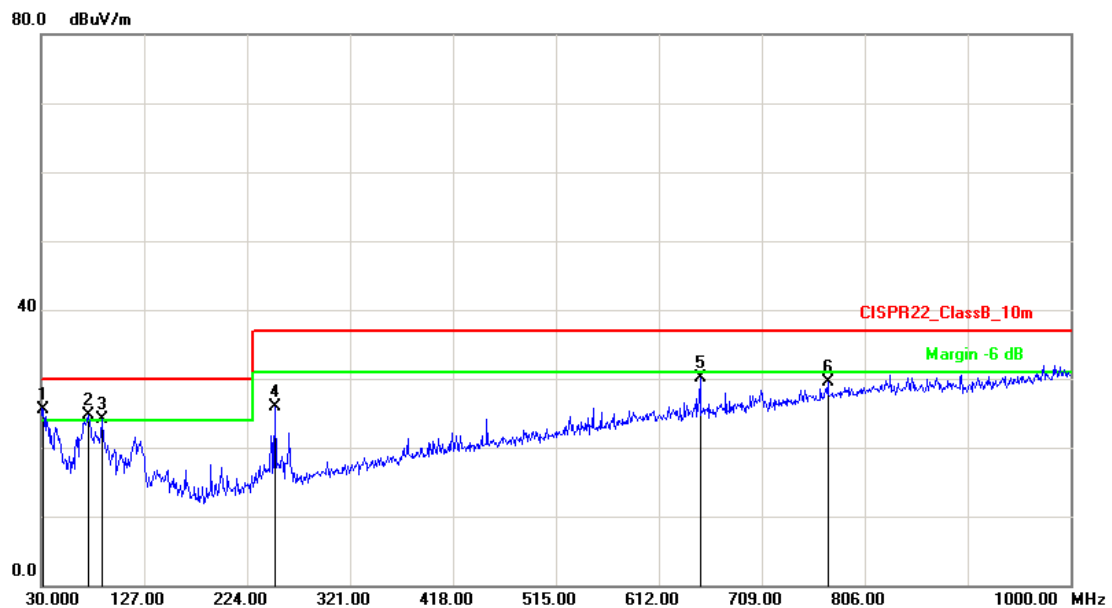


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	250.1899	-9.45	32.33	22.88	37.00	-14.12	QP	200	139
2	350.1000	-6.37	27.48	21.11	37.00	-15.89	QP	200	97
3	450.0099	-3.69	27.81	24.12	37.00	-12.88	QP	200	97
4	549.9199	-1.39	29.39	28.00	37.00	-9.00	QP	200	262
5	650.7999	0.59	28.70	29.29	37.00	-7.71	QP	100	256
6	788.5399	3.19	26.58	29.77	37.00	-7.23	QP	200	85

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 6: Full system for PI-SFW201L with POE		
DC Power :	POE 48V	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23℃	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11



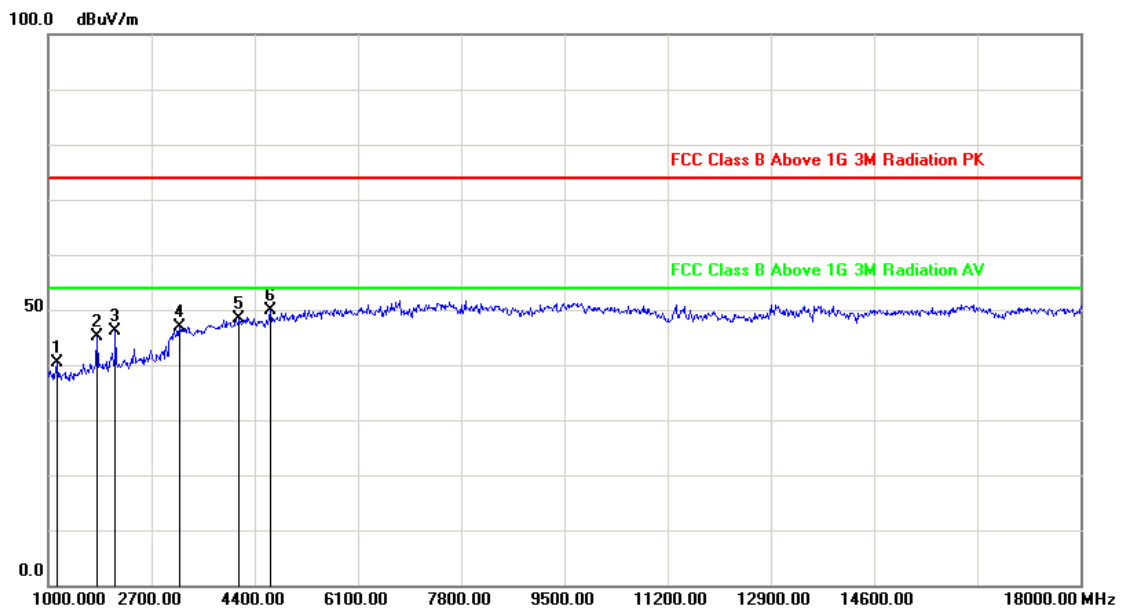
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	31.9400	-1.64	27.11	25.47	30.00	-4.53	QP	100	67
2	74.6200	-16.05	40.66	24.61	30.00	-5.39	QP	200	342
3	87.2300	-15.36	39.51	24.15	30.00	-5.85	QP	100	152
4	250.1900	-9.45	35.41	25.96	37.00	-11.04	QP	100	102
5	650.8000	0.59	29.43	30.02	37.00	-6.98	QP	200	171
6	771.0800	2.82	26.64	29.46	37.00	-7.54	QP	100	116

Note: Measurement Level = Reading Level + Correct Factor



4.6. Test Result and Data (1000MHz ~ 18000MHz)

Test Mode :	Mode 1: Full system for PI-SFW401L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

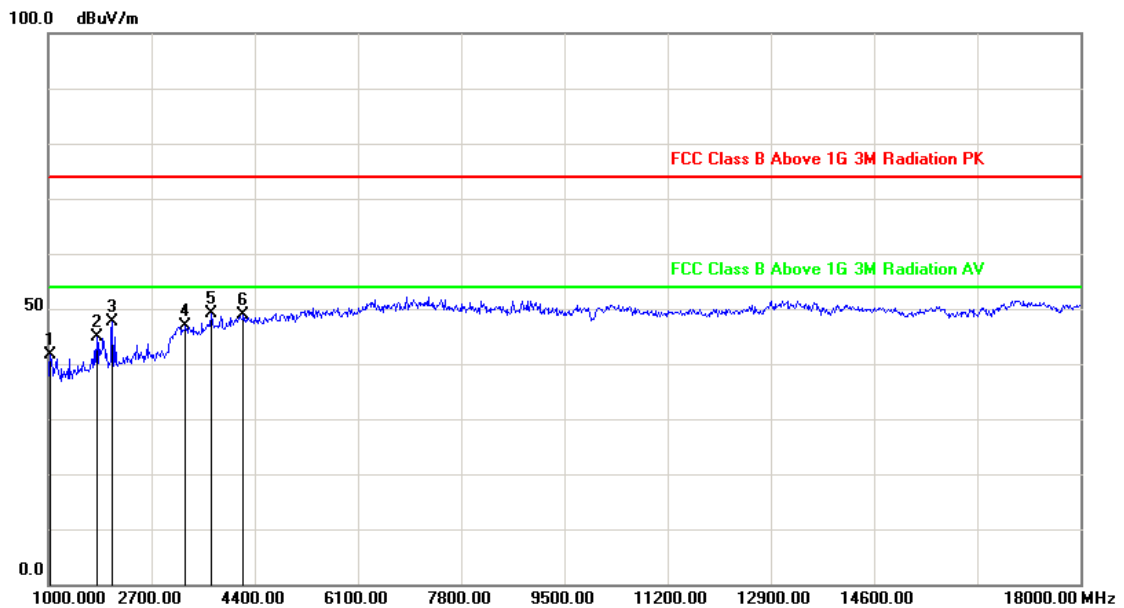


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1136.000	-6.30	46.65	40.35	74.00	-33.65	peak	200	169
2	1799.000	-3.54	48.58	45.04	74.00	-28.96	peak	100	227
3	2105.000	-2.35	48.37	46.02	74.00	-27.98	peak	200	204
4	3159.000	1.24	45.74	46.98	74.00	-27.02	peak	100	336
5	4145.000	4.72	43.66	48.38	74.00	-25.62	peak	200	309
6	4655.000	5.99	43.84	49.83	74.00	-24.17	peak	100	328

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 1: Full system for PI-SFW401L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

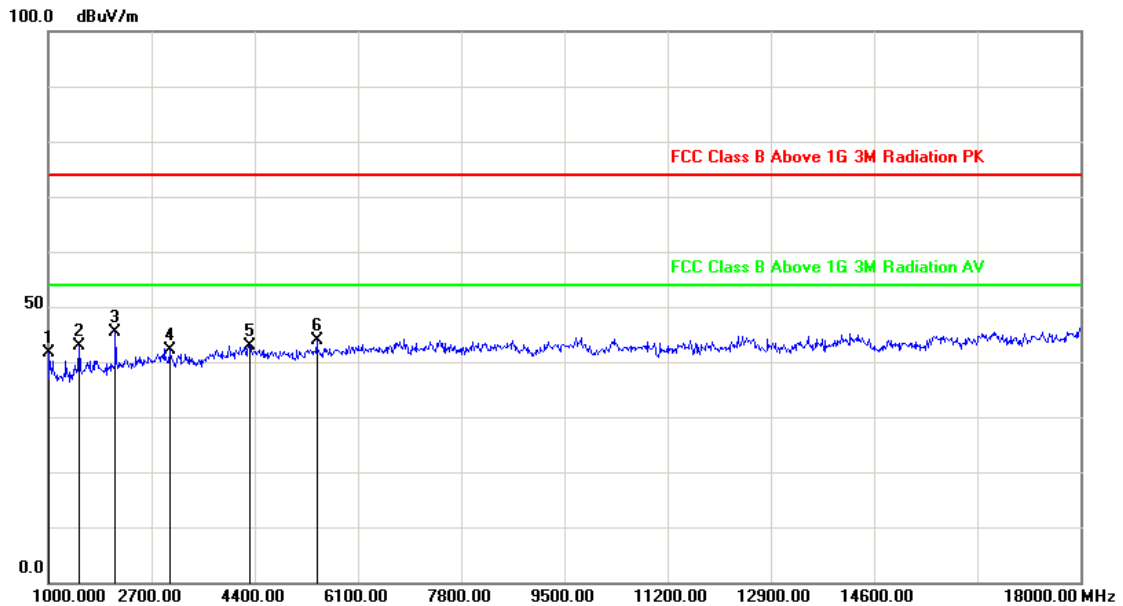


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1034.000	-6.73	48.46	41.73	74.00	-32.27	peak	200	179
2	1799.000	-3.54	48.36	44.82	74.00	-29.18	peak	200	171
3	2054.000	-2.52	50.26	47.74	74.00	-26.26	peak	100	172
4	3261.000	1.62	45.37	46.99	74.00	-27.01	peak	200	67
5	3686.000	3.20	45.81	49.01	74.00	-24.99	peak	100	194
6	4213.000	4.89	43.93	48.82	74.00	-25.18	peak	100	324

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Full system for PI-SFW401L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

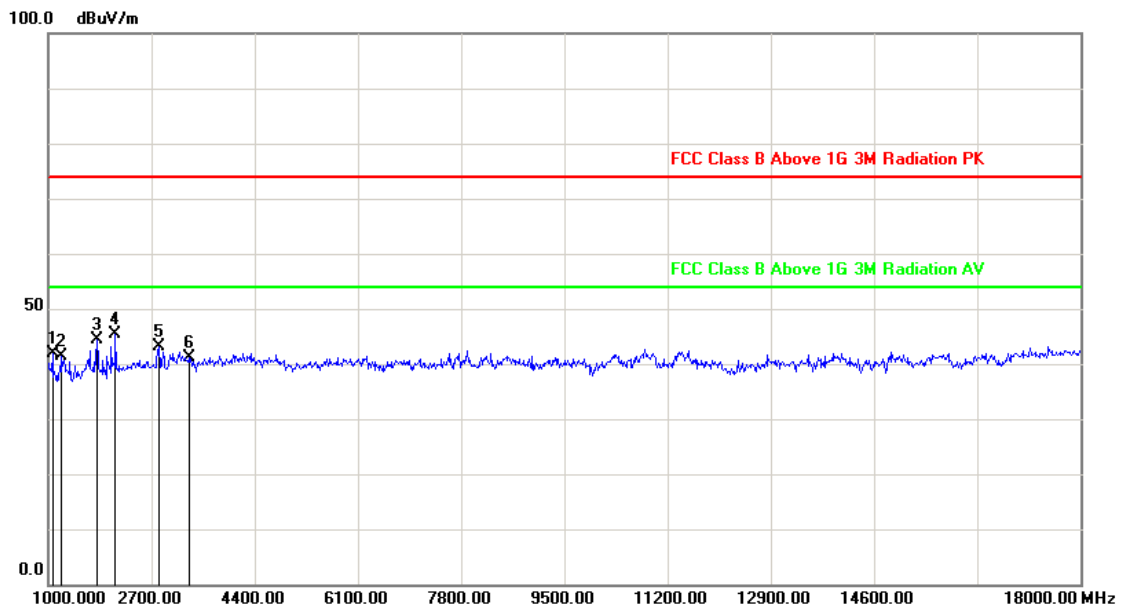


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1000.0000	-6.87	48.49	41.62	74.00	-32.38	peak	200	262
2	1510.000	-4.74	47.57	42.83	74.00	-31.17	peak	100	225
3	2105.000	-2.35	47.70	45.35	74.00	-28.65	peak	100	87
4	3006.000	0.67	41.52	42.19	74.00	-31.81	peak	112	336
5	4315.000	5.14	37.86	43.00	74.00	-31.00	peak	200	9
6	5420.000	7.56	36.25	43.81	74.00	-30.19	peak	100	125

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Full system for PI-SFW401L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

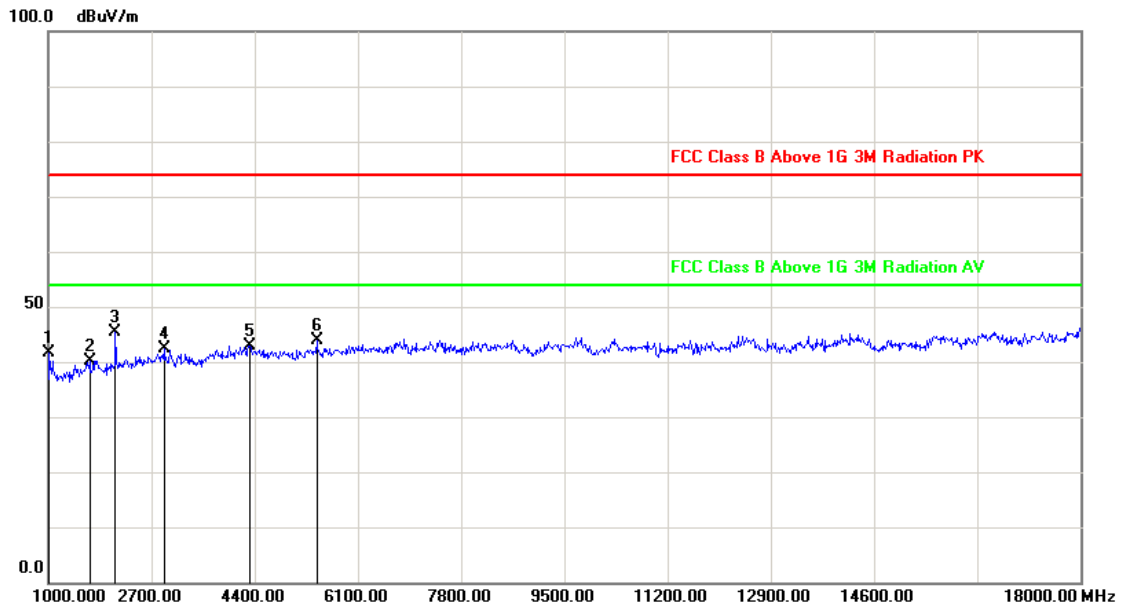


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1068.000	-6.59	48.57	41.98	74.00	-32.02	peak	100	360
2	1221.000	-5.95	47.22	41.27	74.00	-32.73	peak	100	215
3	1799.000	-3.54	47.89	44.35	74.00	-29.65	peak	200	87
4	2105.000	-2.35	47.62	45.27	74.00	-28.73	peak	200	222
5	2819.000	0.04	42.98	43.02	74.00	-30.98	peak	115	154
6	3312.000	1.81	39.32	41.13	74.00	-32.87	peak	200	22

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 3: Full system for PI-SFW401L with POE		
DC Power :	POE 48V	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

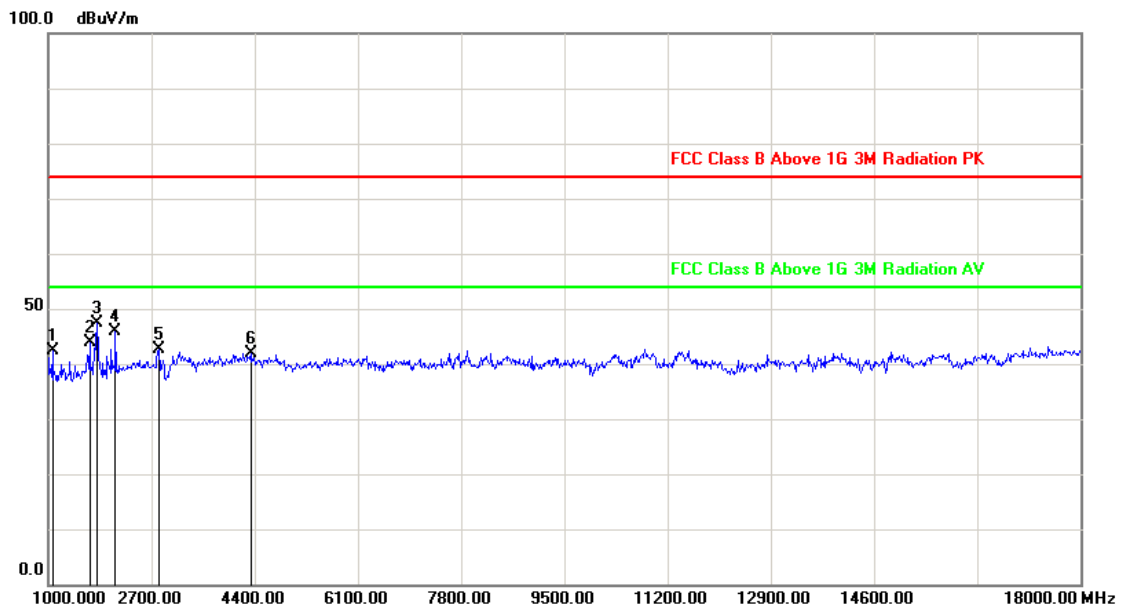


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1000.0000	-6.87	48.49	41.62	74.00	-32.38	peak	100	357
2	1680.0000	-4.03	44.20	40.17	74.00	-33.83	peak	100	295
3	2105.0000	-2.35	47.70	45.35	74.00	-28.65	peak	100	220
4	2904.0000	0.33	42.11	42.44	74.00	-31.56	peak	100	342
5	4315.0000	5.14	37.86	43.00	74.00	-31.00	peak	100	335
6	5420.0000	7.56	36.25	43.81	74.00	-30.19	peak	100	96

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 3: Full system for PI-SFW401L with POE		
DC Power :	POE 48V	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW401L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

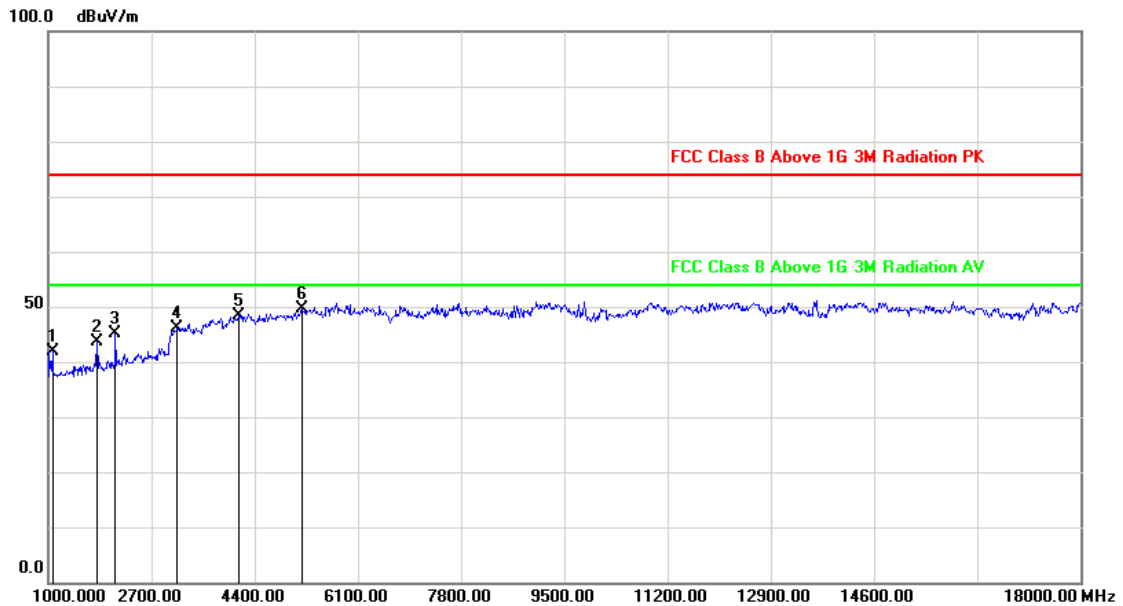


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1068.000	-6.59	49.07	42.48	74.00	-31.52	peak	100	25
2	1680.000	-4.03	47.85	43.82	74.00	-30.18	peak	100	81
3	1799.000	-3.54	50.89	47.35	74.00	-26.65	peak	100	231
4	2105.000	-2.35	48.12	45.77	74.00	-28.23	peak	100	136
5	2819.000	0.04	42.48	42.52	74.00	-31.48	peak	100	253
6	4332.000	5.19	36.75	41.94	74.00	-32.06	peak	100	233

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 4: Full system for PI-SFW201L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

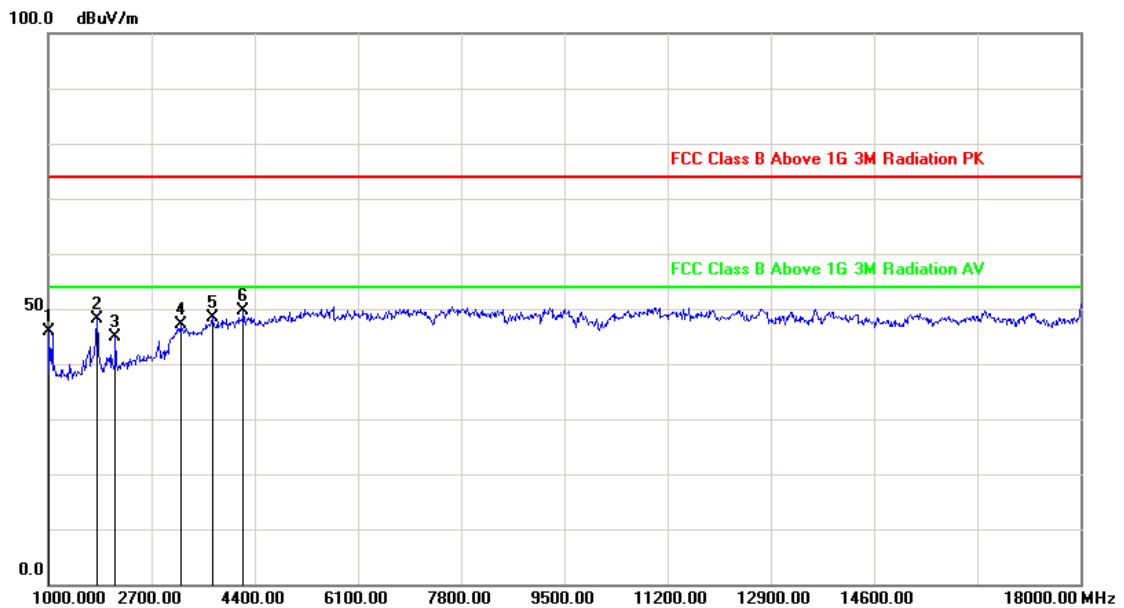


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1068.000	-6.59	48.38	41.79	74.00	-32.21	peak	100	295
2	1799.000	-3.54	47.09	43.55	74.00	-30.45	peak	100	205
3	2105.000	-2.35	47.58	45.23	74.00	-28.77	peak	100	273
4	3125.000	1.11	45.12	46.23	74.00	-27.77	peak	200	300
5	4145.000	4.72	43.77	48.49	74.00	-25.51	peak	100	313
6	5182.000	7.16	42.36	49.52	74.00	-24.48	peak	200	252

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 4: Full system for PI-SFW201L with Adapter #1 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

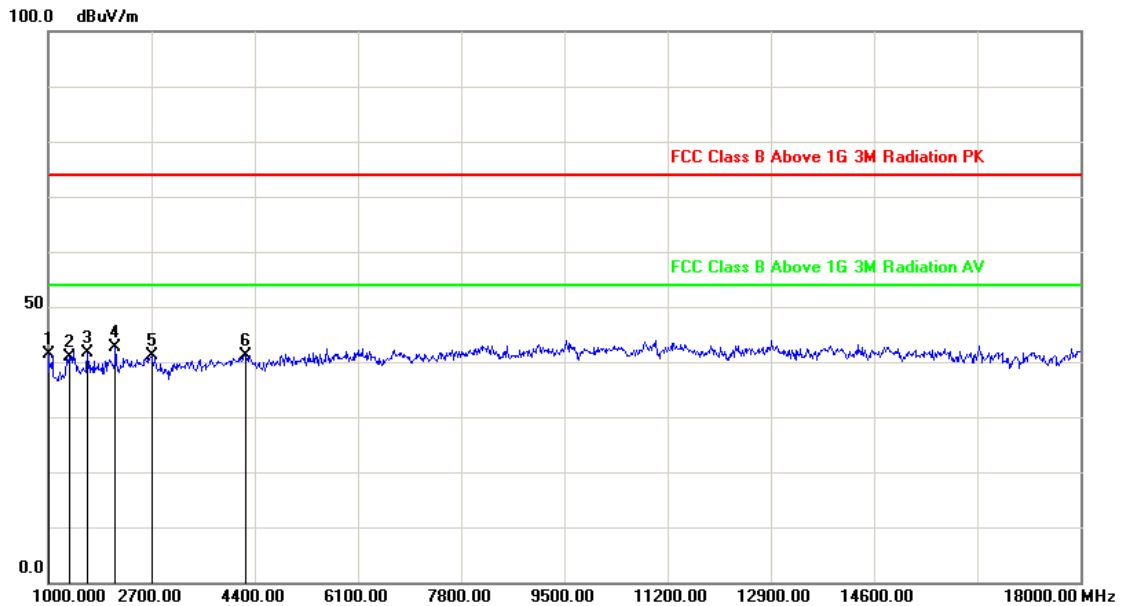


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1000.0000	-6.87	52.71	45.84	74.00	-28.16	peak	200	186
2	1799.000	-3.54	51.64	48.10	74.00	-25.90	peak	200	76
3	2105.000	-2.35	47.25	44.90	74.00	-29.10	peak	200	41
4	3176.000	1.30	45.73	47.03	74.00	-26.97	peak	200	150
5	3703.000	3.26	45.24	48.50	74.00	-25.50	peak	200	66
6	4213.000	4.89	44.78	49.67	74.00	-24.33	peak	200	342

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 5: Full system for PI-SFW201L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

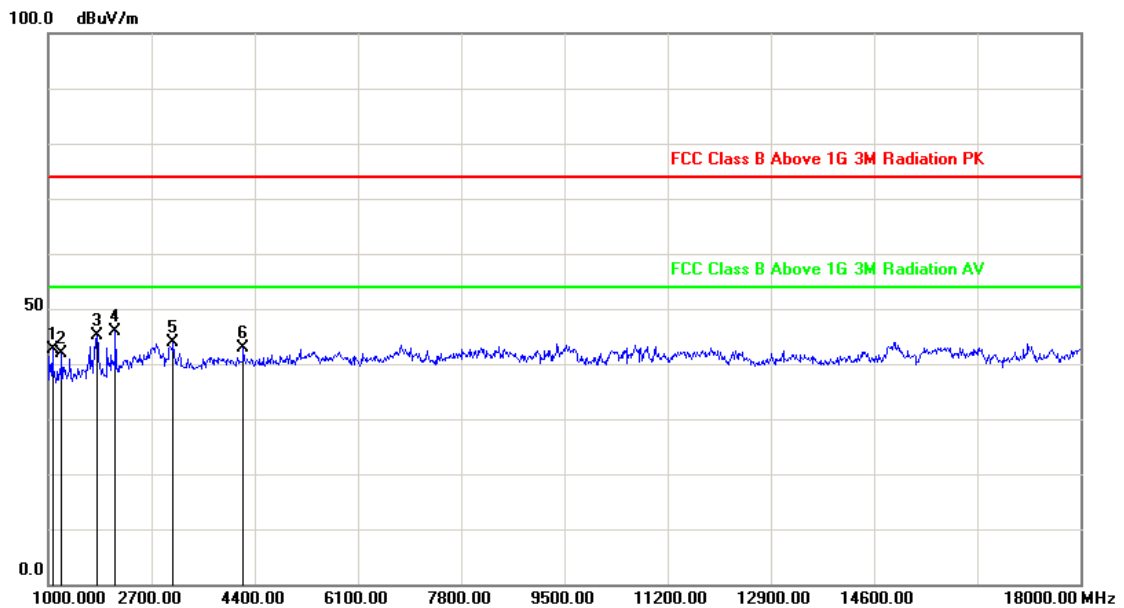


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1000.0000	-6.87	48.27	41.40	74.00	-32.60	peak	200	22
2	1340.000	-5.45	46.36	40.91	74.00	-33.09	peak	100	52
3	1646.000	-4.18	45.73	41.55	74.00	-32.45	peak	200	228
4	2105.000	-2.35	45.03	42.68	74.00	-31.32	peak	100	87
5	2700.000	-0.36	41.45	41.09	74.00	-32.91	peak	141	98
6	4247.000	4.98	36.18	41.16	74.00	-32.84	peak	100	124

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 5: Full system for PI-SFW201L with Adapter #2 + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

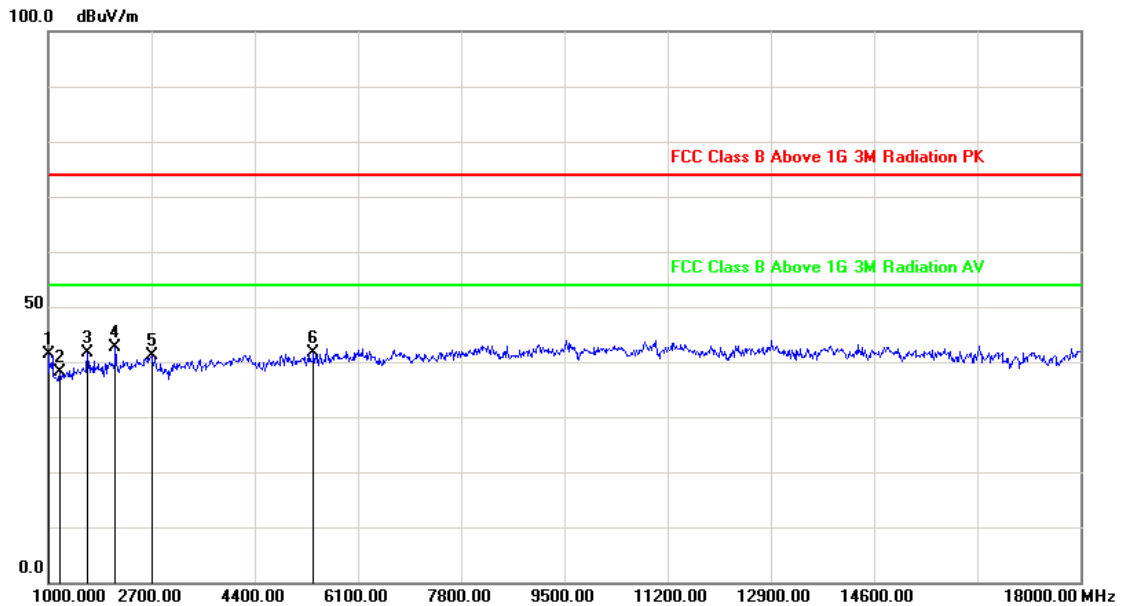


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1068.000	-6.59	49.14	42.55	74.00	-31.45	peak	200	60
2	1221.000	-5.95	47.71	41.76	74.00	-32.24	peak	100	225
3	1799.000	-3.54	48.56	45.02	74.00	-28.98	peak	100	18
4	2105.000	-2.35	48.17	45.82	74.00	-28.18	peak	200	4
5	3057.000	0.86	42.95	43.81	74.00	-30.19	peak	200	88
6	4213.000	4.89	37.87	42.76	74.00	-31.24	peak	118	157

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 6: Full system for PI-SFW201L with POE		
DC Power :	POE 48V	Ant. Polarization:	Horizontal
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11

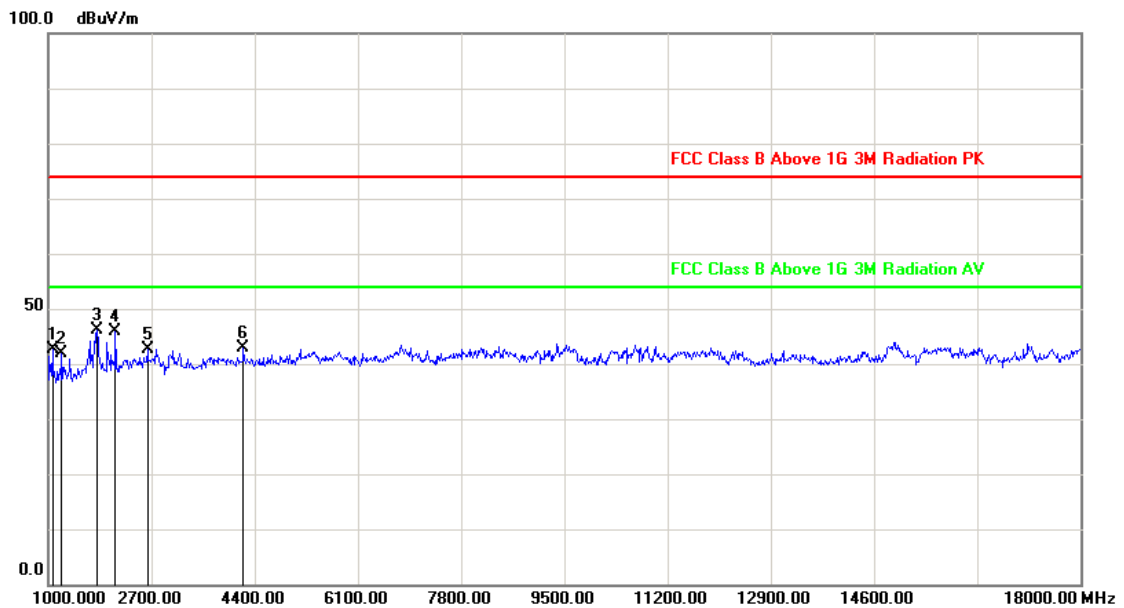


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1000.0000	-6.87	48.27	41.40	74.00	-32.60	peak	100	253
2	1187.0000	-6.09	44.24	38.15	74.00	-35.85	peak	100	245
3	1646.0000	-4.18	45.73	41.55	74.00	-32.45	peak	100	231
4	2105.0000	-2.35	45.03	42.68	74.00	-31.32	peak	100	224
5	2700.0000	-0.36	41.45	41.09	74.00	-32.91	peak	100	295
6	5369.0000	7.47	34.23	41.70	74.00	-32.30	peak	100	133

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 6: Full system for PI-SFW201L with POE		
DC Power :	POE 48V	Ant. Polarization:	Vertical
Equipment :	Network Dome Camera	Model No :	PI-SFW201L
Temp :	23°C	Humidity :	52%
Pressure(mbar) :	1002	Date :	2015/06/11



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1068.000	-6.59	49.14	42.55	74.00	-31.45	peak	100	310
2	1221.000	-5.95	47.71	41.76	74.00	-32.24	peak	100	322
3	1799.000	-3.54	49.56	46.02	74.00	-27.98	peak	100	225
4	2105.000	-2.35	48.17	45.82	74.00	-28.18	peak	100	190
5	2632.000	-0.58	43.20	42.62	74.00	-31.38	peak	100	247
6	4213.000	4.89	37.87	42.76	74.00	-31.24	peak	100	96

Note: Measurement Level = Reading Level + Correct Factor

Test engineer: Karp



4.7. Test Photographs (30MHz ~ 1000MHz)

Front View



Rear View





4.8. Test Photographs (1000MHz ~ 18000MHz)

Front View



Rear View





5. Photographs of EUT

PI-SFW401L

1) EUT Photo



2) EUT Photo





3) EUT Photo



4) EUT Photo





PI-SFW201L

5) EUT Photo



6) EUT Photo





7) EUT Photo



8) EUT Photo





Adapter #1

9) EUT Photo



10) EUT Photo





11) EUT Photo



12) EUT Photo





Adapter #2

13) EUT Photo



14) EUT Photo





15) EUT Photo

