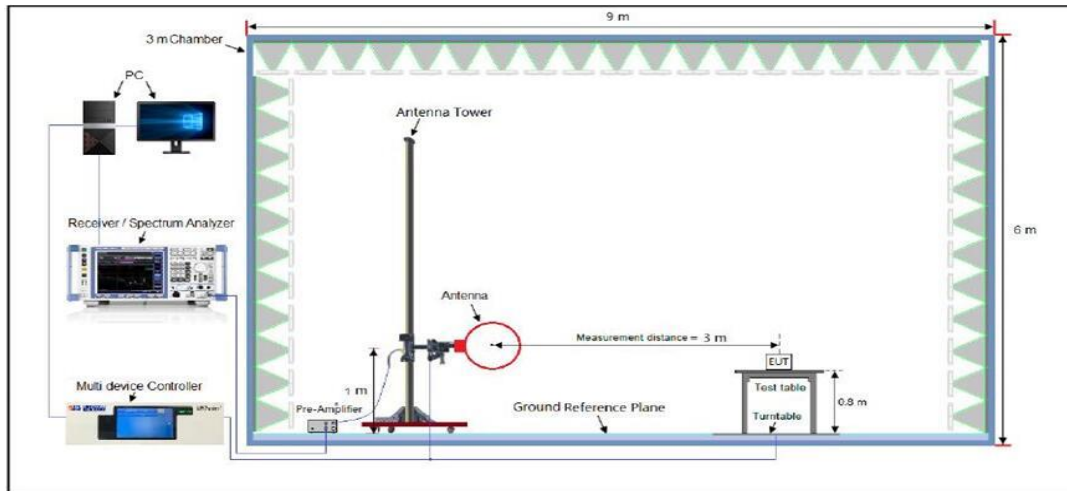
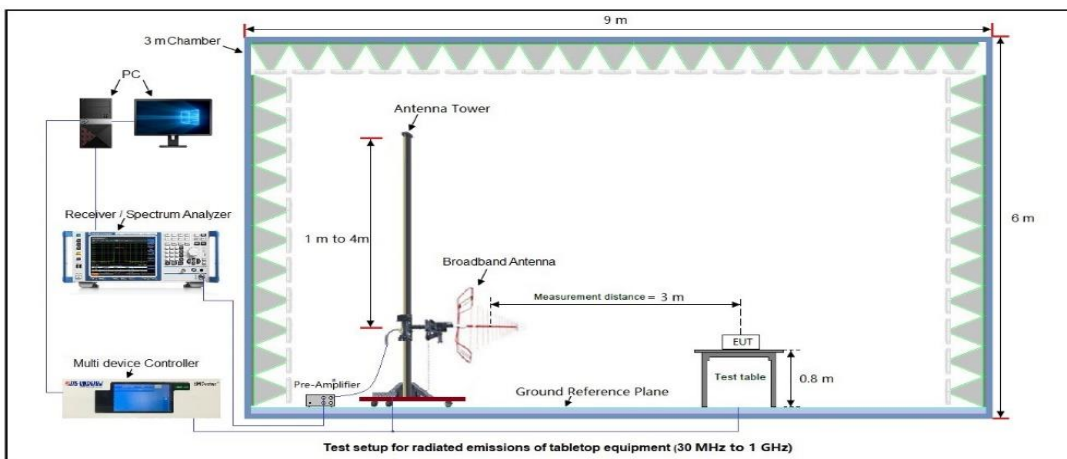


11.3 Measurement Setup (Block Diagram of Configuration)

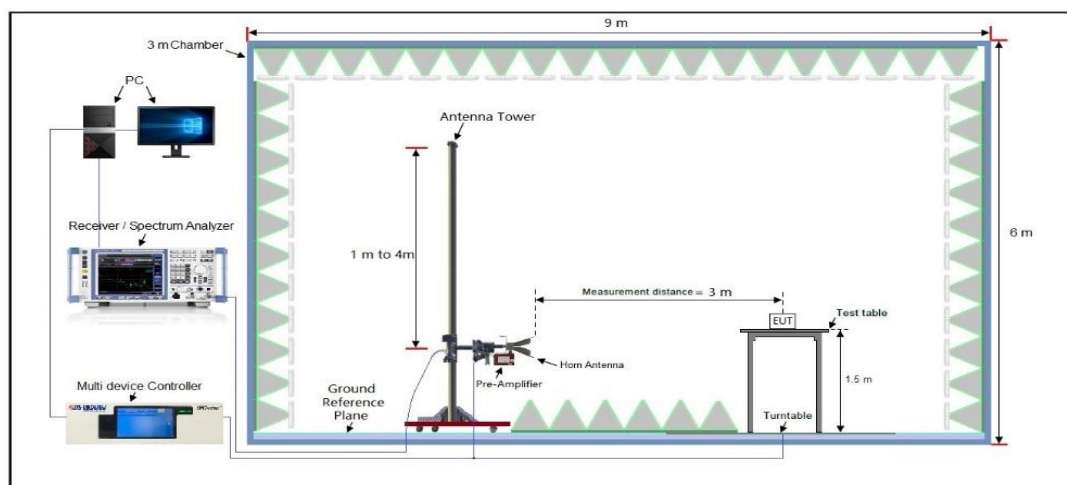
Radiated Emission Test Setup 9kHz-30MHz



Radiated Emission Test Setup 30MHz-1000MHz



Radiated Emission Test Setup Above 1000MHz



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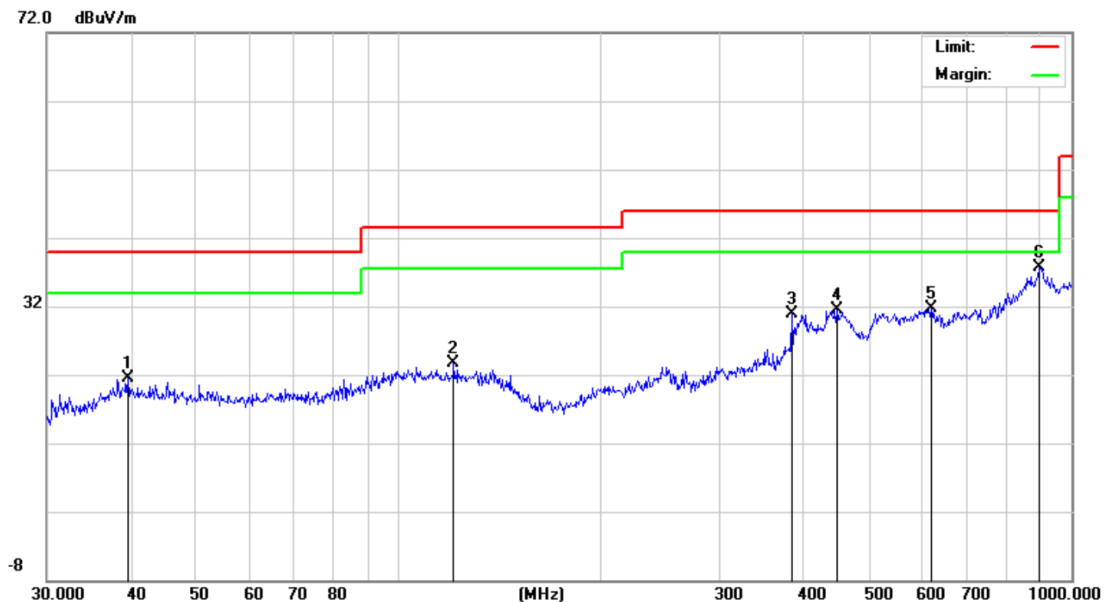
11.4 Measurement Result

Radiated Emission at 9kHz-30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

Radiated Emission Test Results at 30MHz-1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna Polarity	Horizontal



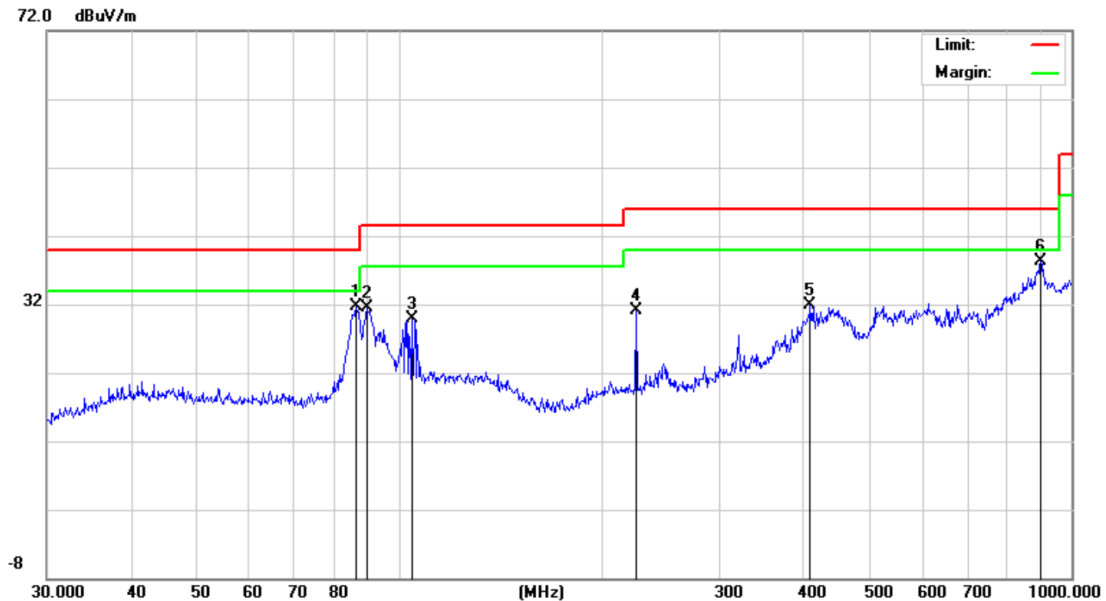
Final Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.5757	21.52	13.72	40.00	18.48	100	170	Horizontal
2	120.6991	23.70	16.36	43.50	19.8	100	100	Horizontal
3	383.9318	30.81	18.63	46.00	15.19	100	80	Horizontal
4	447.9822	31.50	24.82	46.00	14.5	100	210	Horizontal
5	618.5369	31.78	25.19	46.00	14.22	100	160	Horizontal
6	896.9965	37.71	31.42	46.00	8.29	100	120	Horizontal

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Radiated Emission Test Results at 30MHz-1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna Polarity	Vertical



Final Data List

NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	86.5027	31.70	14.11	40.00	8.3	100	170	Vertical
2	89.5899	31.45	14.59	43.50	12.05	100	100	Vertical
3	104.5361	29.83	16.25	43.50	13.67	100	80	Vertical
4	225.3079	31.01	14.67	46.00	14.99	100	210	Vertical
5	408.9460	31.95	20.58	46.00	14.05	100	160	Vertical
6	900.1473	38.34	31.78	46.00	7.66	100	120	Vertical

RESULT: Pass

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Limit-Level.

2. All test modes had been pre-tested. The mode 1 is the worst case and recorded in the report.

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Radiated Emissions Test Results above 1 GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	46.34	0.08	46.42	74	-27.58	peak
4824.000	37.46	0.08	37.54	54	-16.46	AVG
7236.000	41.37	2.21	43.58	74	-30.42	peak
7236.000	32.49	2.21	34.7	54	-19.3	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	46.33	0.08	46.41	74	-27.59	peak
4824.000	37.41	0.08	37.49	54	-16.51	AVG
7236.000	41.36	2.21	43.57	74	-30.43	peak
7236.000	32.49	2.21	34.7	54	-19.3	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	45.76	0.14	45.9	74	-28.1	peak
4874.000	38.17	0.14	38.31	54	-15.69	AVG
7311.000	41.62	2.36	43.98	74	-30.02	peak
7311.000	34.23	2.36	36.59	54	-17.41	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	45.28	0.14	45.42	74	-28.58	peak
4874.000	37.63	0.14	37.77	54	-16.23	AVG
7311.000	40.94	2.36	43.3	74	-30.7	peak
7311.000	33.77	2.36	36.13	54	-17.87	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	46.57	0.22	46.79	74	-27.21	peak
4924.000	38.42	0.22	38.64	54	-15.36	AVG
7386.000	41.25	2.64	43.89	74	-30.11	peak
7386.000	32.86	2.64	35.5	54	-18.5	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	46.11	0.22	46.33	74	-27.67	peak
4924.000	38.52	0.22	38.74	54	-15.26	AVG
7386.000	40.77	2.64	43.41	74	-30.59	peak
7386.000	31.94	2.64	34.58	54	-19.42	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	46.31	0.08	46.39	74	-27.61	peak
4824.000	37.39	0.08	37.47	54	-16.53	AVG
7236.000	41.34	2.21	43.55	74	-30.45	peak
7236.000	32.46	2.21	34.67	54	-19.33	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	46.31	0.08	46.39	74	-27.61	peak
4824.000	37.43	0.08	37.51	54	-16.49	AVG
7236.000	41.36	2.21	43.57	74	-30.43	peak
7236.000	32.49	2.21	34.7	54	-19.3	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 5	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	45.75	0.14	45.89	74	-28.11	peak
4874.000	38.18	0.14	38.32	54	-15.68	AVG
7311.000	41.61	2.36	43.97	74	-30.03	peak
7311.000	34.26	2.36	36.62	54	-17.38	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 5	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	45.24	0.14	45.38	74	-28.62	peak
4874.000	37.65	0.14	37.79	54	-16.21	AVG
7311.000	40.97	2.36	43.33	74	-30.67	peak
7311.000	33.78	2.36	36.14	54	-17.86	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	46.57	0.22	46.79	74	-27.21	peak
4924.000	38.42	0.22	38.64	54	-15.36	AVG
7386.000	41.26	2.64	43.9	74	-30.1	peak
7386.000	32.87	2.64	35.51	54	-18.49	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	46.13	0.22	46.35	74	-27.65	peak
4924.000	38.56	0.22	38.78	54	-15.22	AVG
7386.000	40.77	2.64	43.41	74	-30.59	peak
7386.000	31.91	2.64	34.55	54	-19.45	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	46.36	0.08	46.44	74	-27.56	peak
4824.000	37.45	0.08	37.53	54	-16.47	AVG
7236.000	41.32	2.21	43.53	74	-30.47	peak
7236.000	32.47	2.21	34.68	54	-19.32	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	46.33	0.08	46.41	74	-27.59	peak
4824.000	37.44	0.08	37.52	54	-16.48	AVG
7236.000	41.36	2.21	43.57	74	-30.43	peak
7236.000	32.49	2.21	34.7	54	-19.3	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 8	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	45.79	0.14	45.93	74	-28.07	peak
4874.000	38.15	0.14	38.29	54	-15.71	AVG
7311.000	41.61	2.36	43.97	74	-30.03	peak
7311.000	34.26	2.36	36.62	54	-17.38	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 8	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	45.27	0.14	45.41	74	-28.59	peak
4874.000	37.63	0.14	37.77	54	-16.23	AVG
7311.000	40.96	2.36	43.32	74	-30.68	peak
7311.000	33.78	2.36	36.14	54	-17.86	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	46.54	0.22	46.76	74	-27.24	peak
4924.000	38.45	0.22	38.67	54	-15.33	AVG
7386.000	41.26	2.64	43.9	74	-30.1	peak
7386.000	32.89	2.64	35.53	54	-18.47	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	46.13	0.22	46.35	74	-27.65	peak
4924.000	38.56	0.22	38.78	54	-15.22	AVG
7386.000	40.74	2.64	43.38	74	-30.62	peak
7386.000	31.95	2.64	34.59	54	-19.41	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 10	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	46.35	0.08	46.43	74	-27.57	peak
4824.000	37.44	0.08	37.52	54	-16.48	AVG
7236.000	41.33	2.21	43.54	74	-30.46	peak
7236.000	32.49	2.21	34.7	54	-19.3	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 10	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4824.000	46.36	0.08	46.44	74	-27.56	peak
4824.000	37.45	0.08	37.53	54	-16.47	AVG
7236.000	41.37	2.21	43.58	74	-30.42	peak
7236.000	32.44	2.21	34.65	54	-19.35	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 11	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	45.79	0.14	45.93	74	-28.07	peak
4874.000	38.15	0.14	38.29	54	-15.71	AVG
7311.000	41.64	2.36	44	74	-30	peak
7311.000	34.26	2.36	36.62	54	-17.38	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 11	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4874.000	45.28	0.14	45.42	74	-28.58	peak
4874.000	37.63	0.14	37.77	54	-16.23	AVG
7311.000	40.94	2.36	43.3	74	-30.7	peak
7311.000	33.77	2.36	36.13	54	-17.87	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

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Radiated Emissions Test Results above 1GHz

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 12	Antenna Polarity	Horizontal

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	46.57	0.22	46.79	74	-27.21	peak
4924.000	38.46	0.22	38.68	54	-15.32	AVG
7386.000	41.29	2.64	43.93	74	-30.07	peak
7386.000	32.84	2.64	35.48	54	-18.52	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 12	Antenna Polarity	Vertical

Frequency (MHz)	Meter Reading (dBμV)	Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Value Type
4924.000	46.14	0.22	46.36	74	-27.64	peak
4924.000	38.56	0.22	38.78	54	-15.22	AVG
7386.000	40.78	2.64	43.42	74	-30.58	peak
7386.000	31.93	2.64	34.57	54	-19.43	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: Pass

Note:

- The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.
- Factor = Antenna Factor + Cable loss – Pre-amplifier gain, Margin =Emission Level-Limit.
- The “Factor” value can be calculated automatically by software of measurement system.

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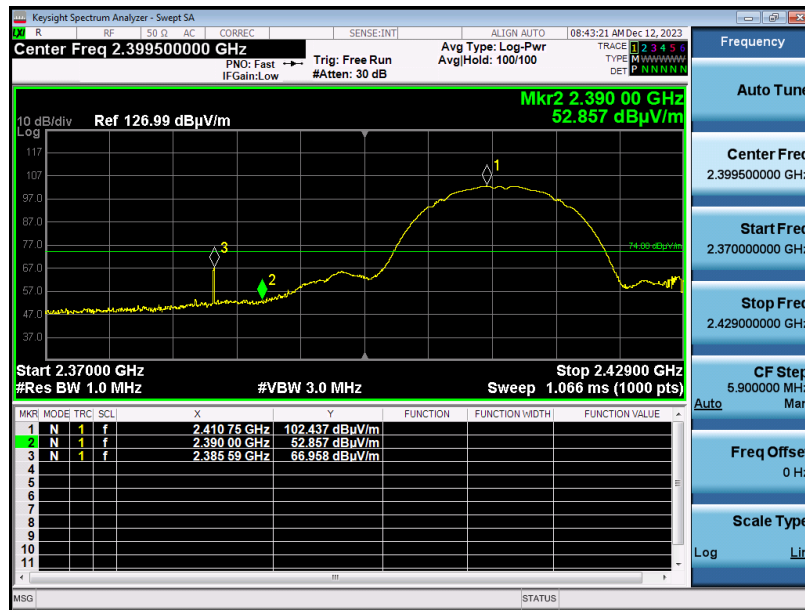
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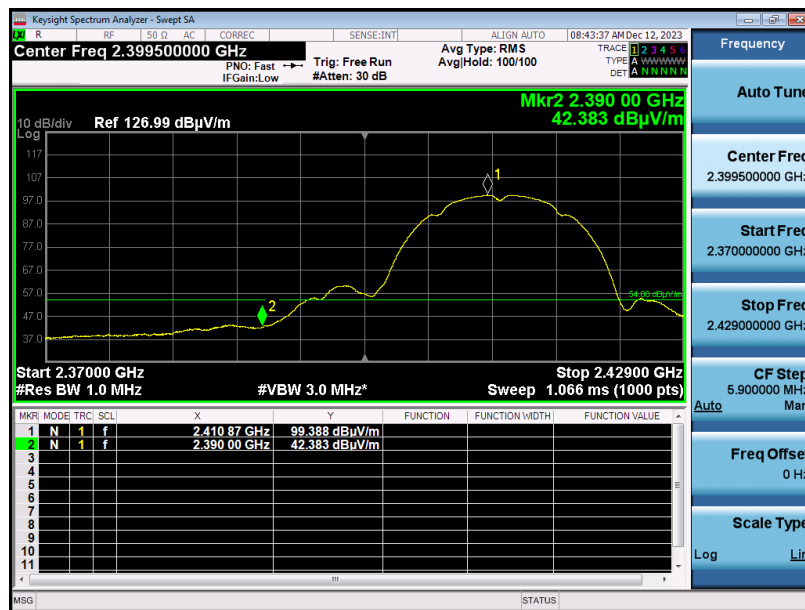
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



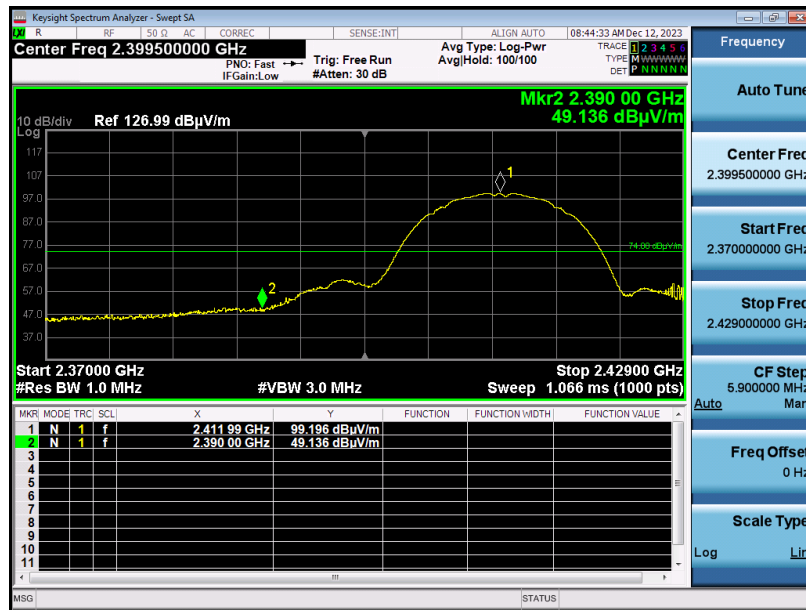
RESULT: Pass

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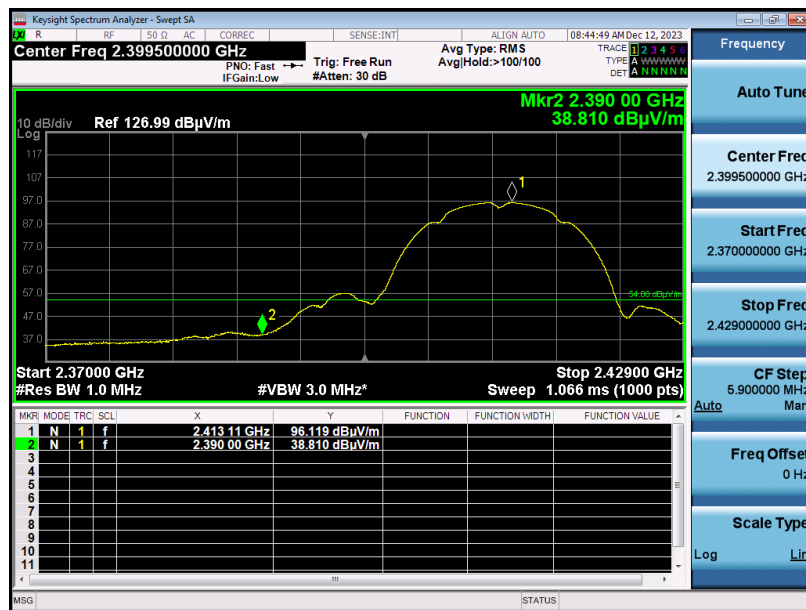
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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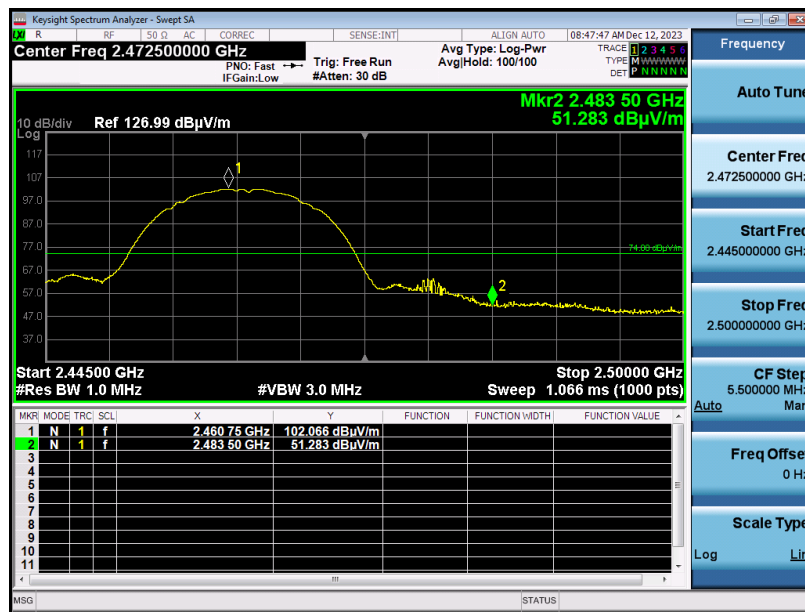
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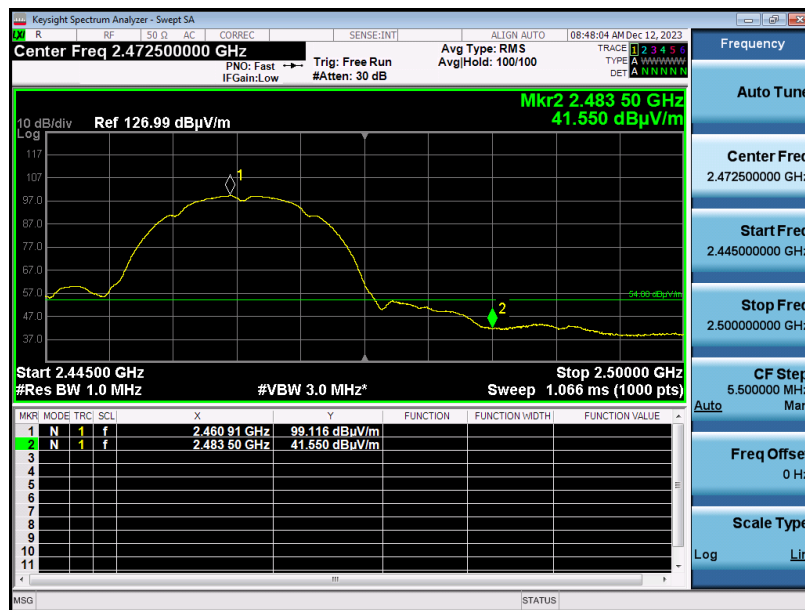
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



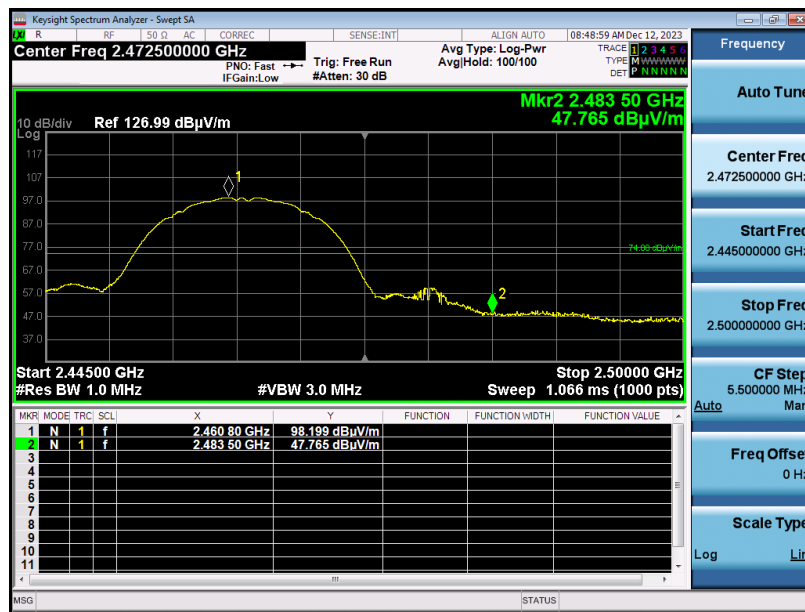
RESULT: Pass

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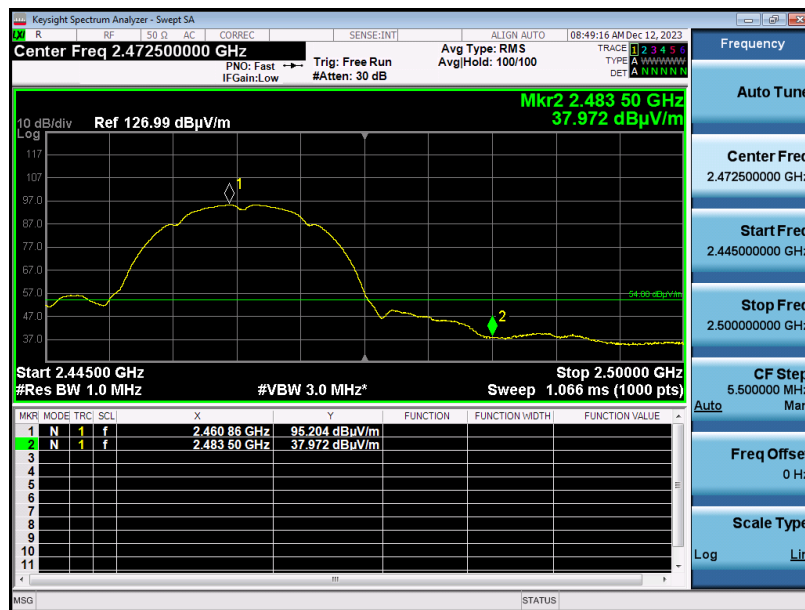
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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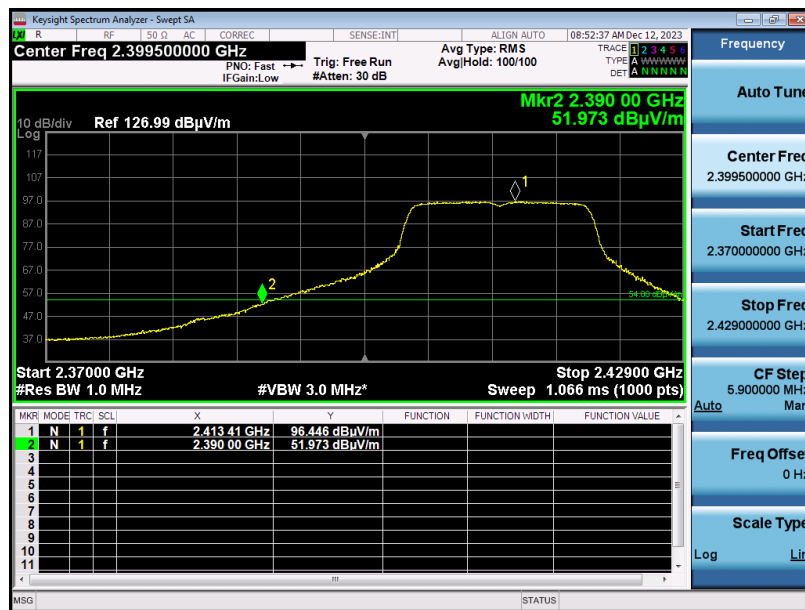
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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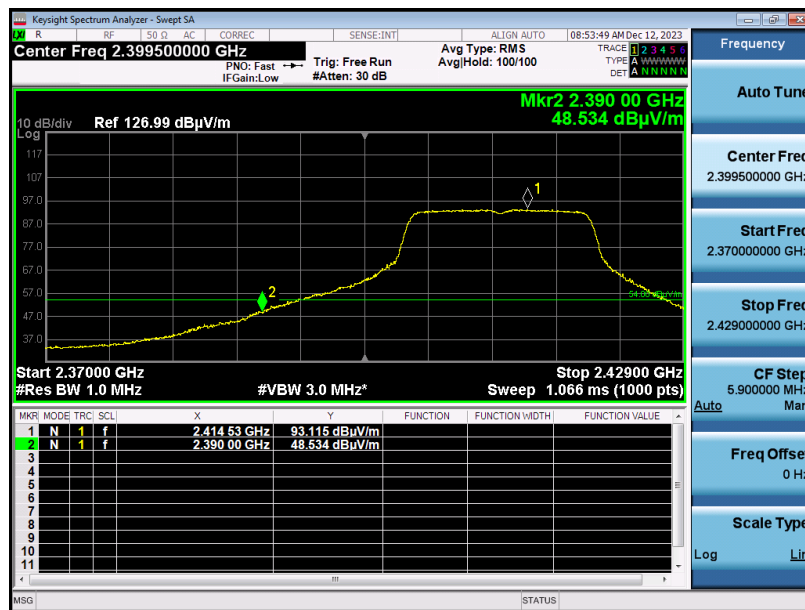
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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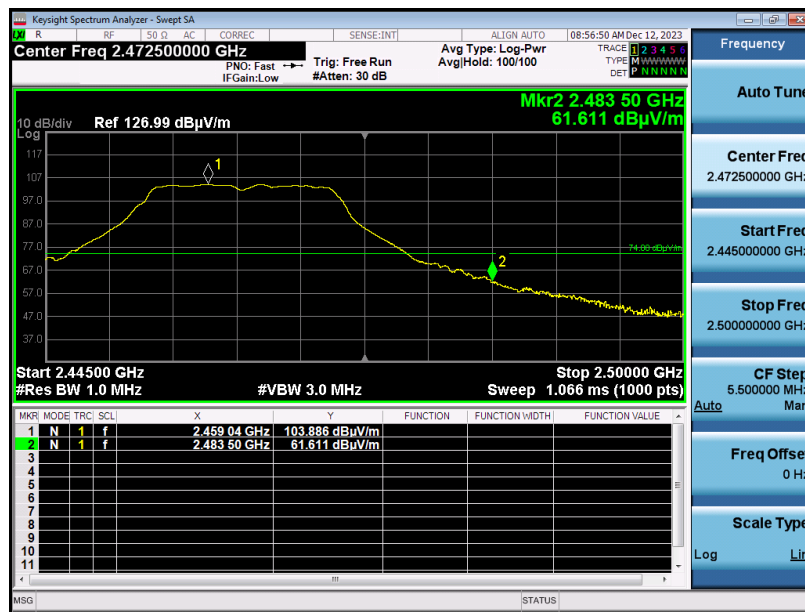
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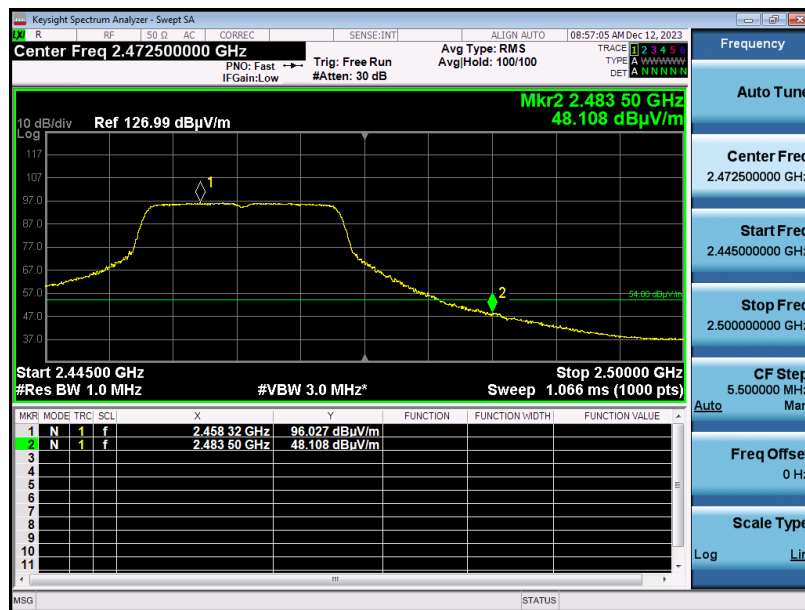
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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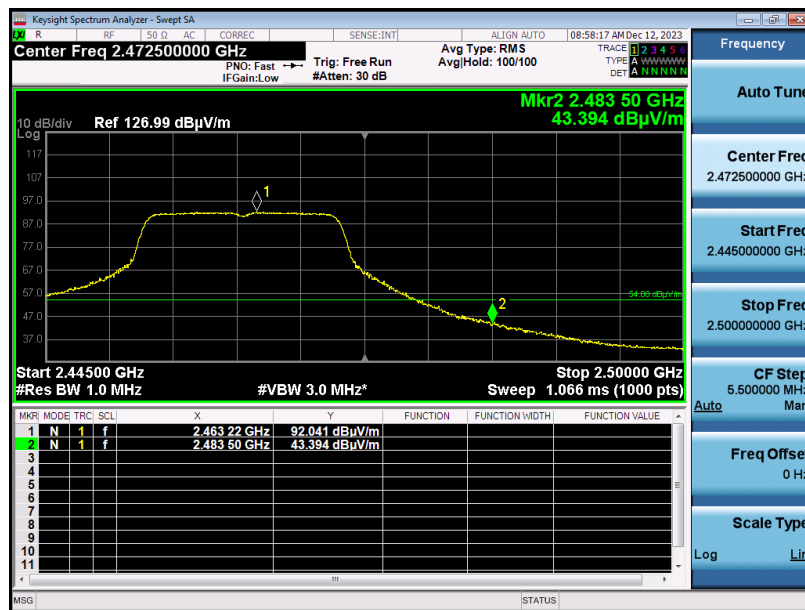
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 6	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



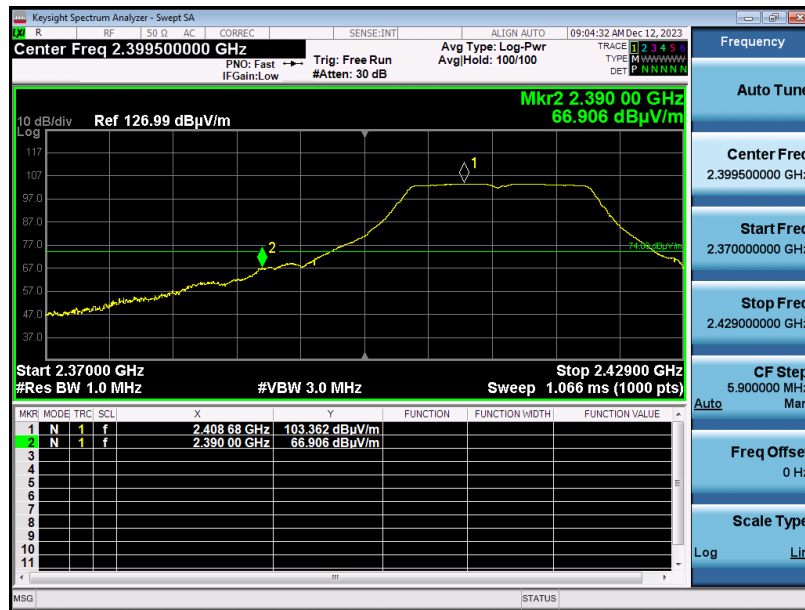
RESULT: Pass

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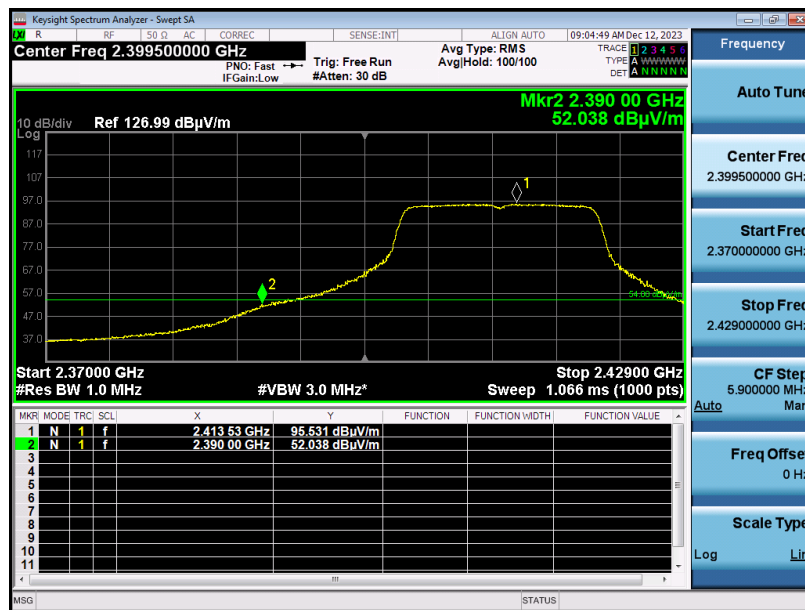
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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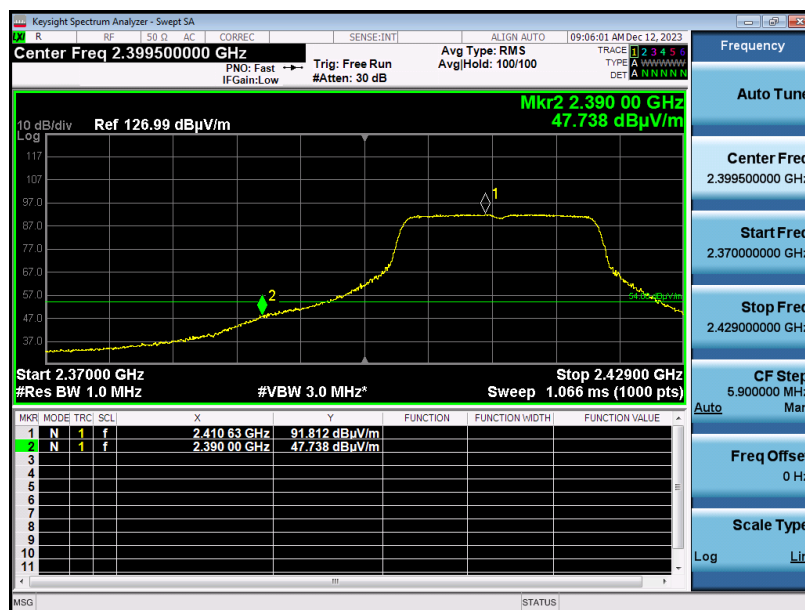
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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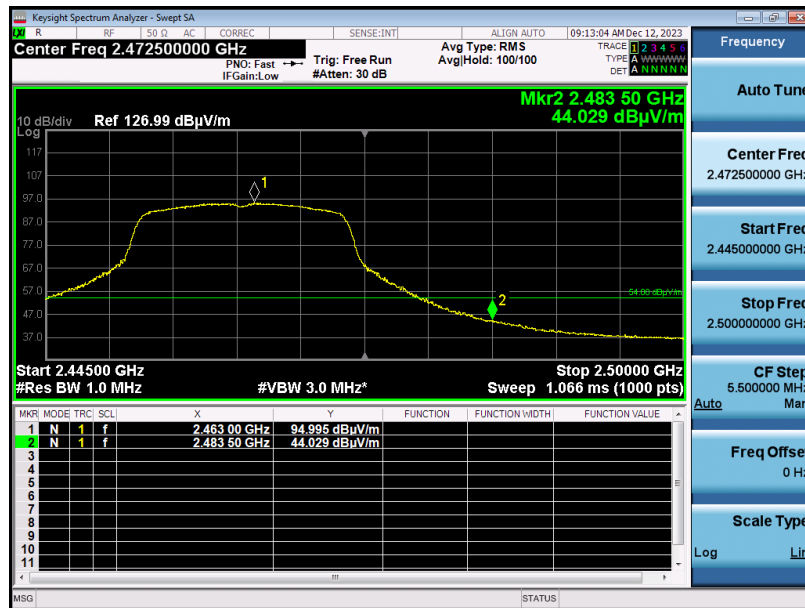
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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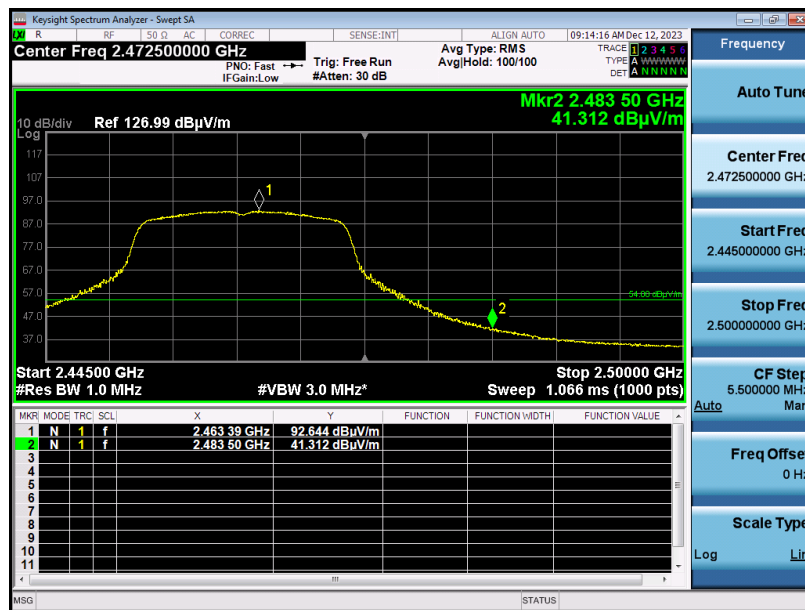
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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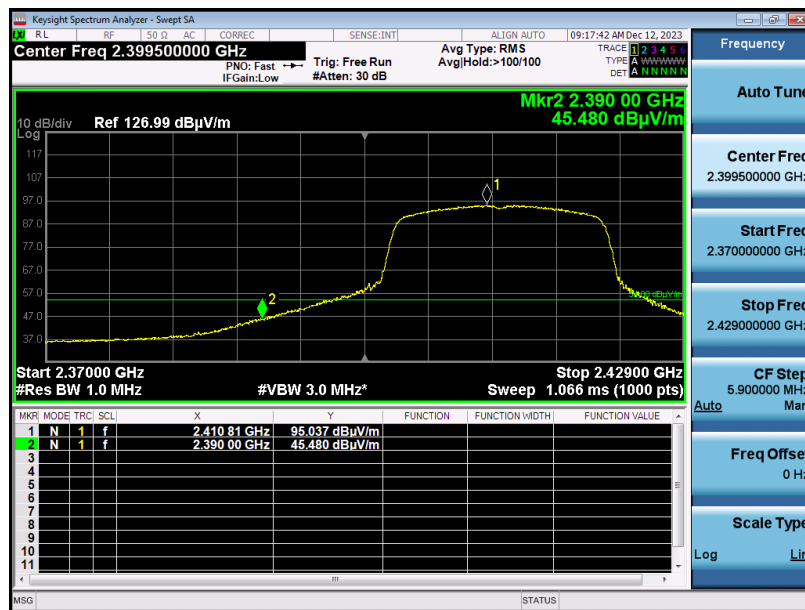
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 10	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



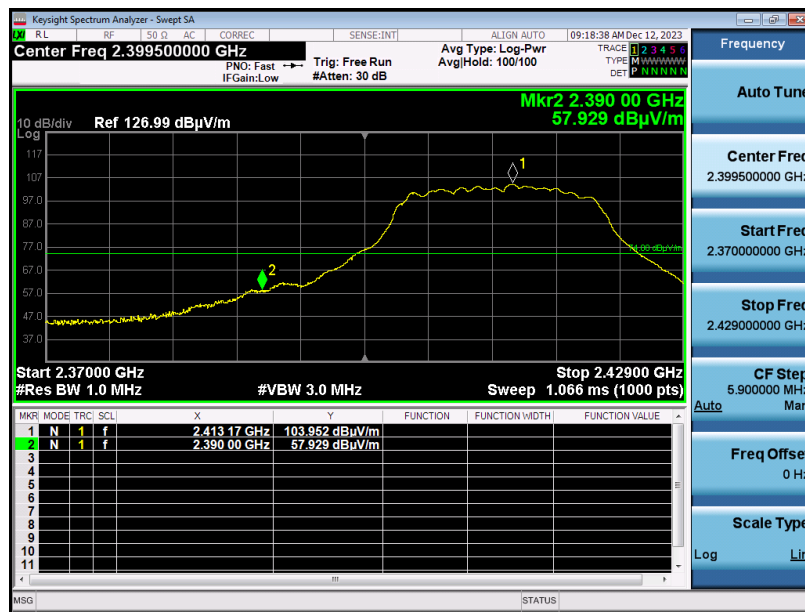
RESULT: Pass

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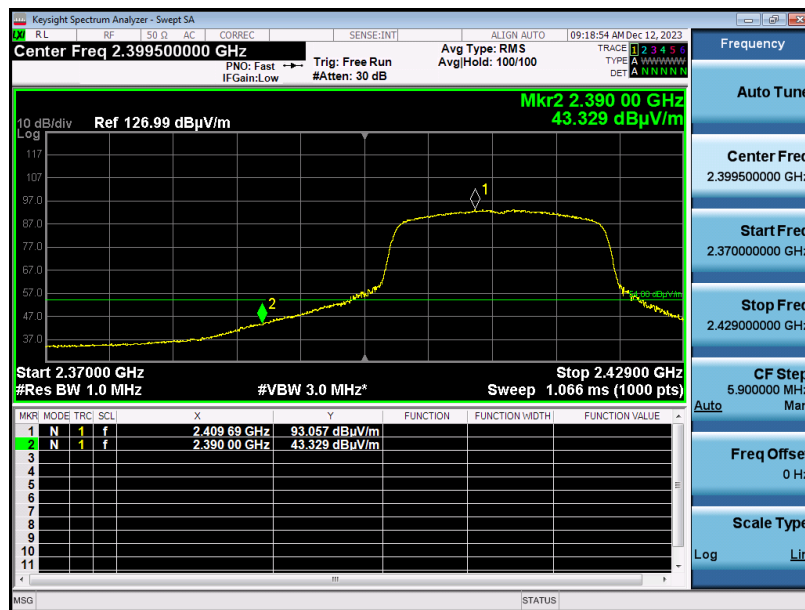
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 10	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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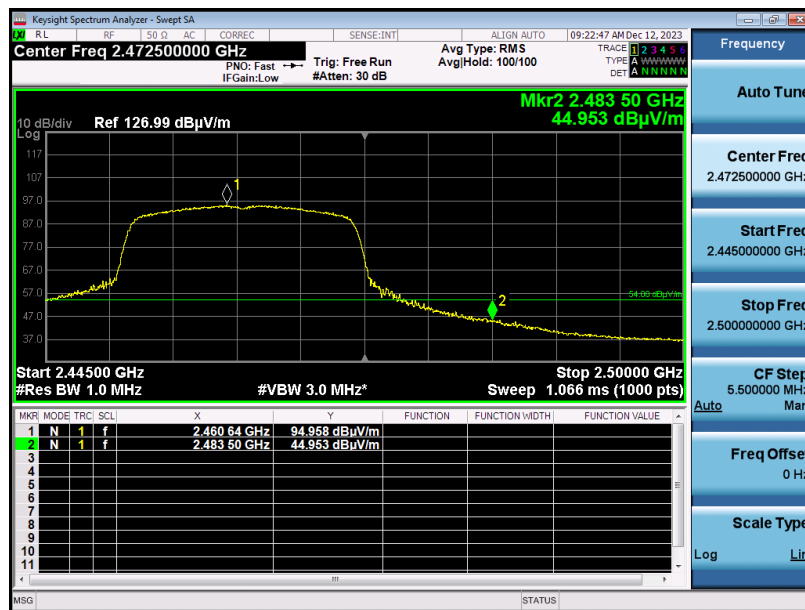
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 12	Antenna Polarity	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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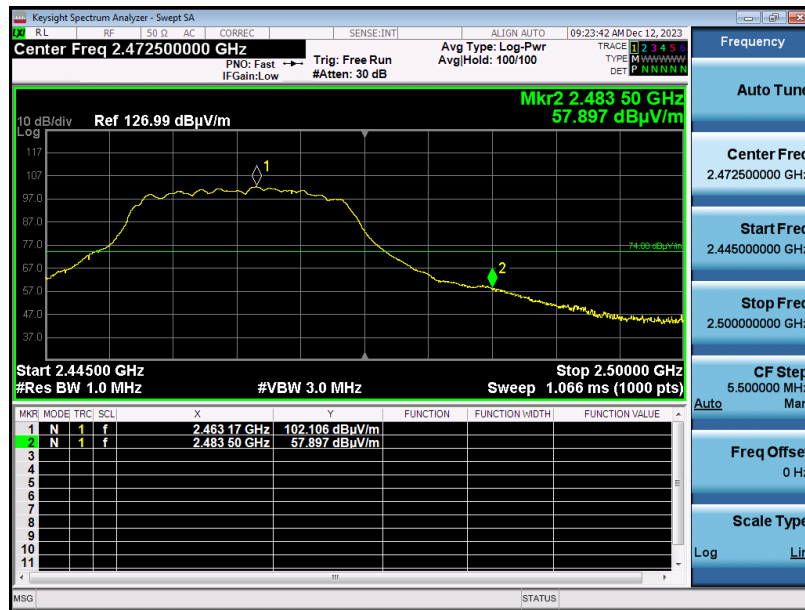
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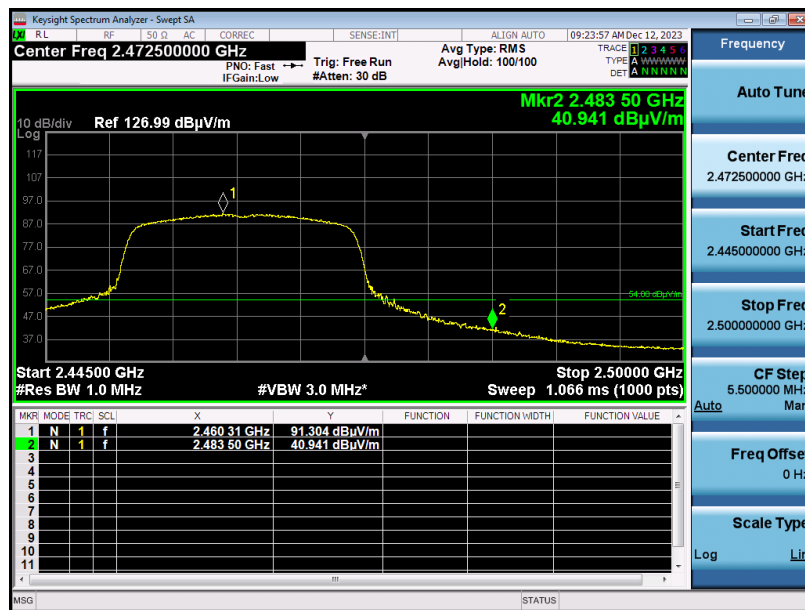
Band Edge Emission Test Results for Restricted Bands

EUT Name	IMILAB EC6 Outdoor Security Camera	Model Name	CMSXJ65A
Temperature	23.1°C	Relative Humidity	60.5%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 12	Antenna Polarity	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: Pass

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Note: The factor had been edited in the “Input Correction” of the Spectrum Analyzer.

12. AC Power Line Conducted Emission

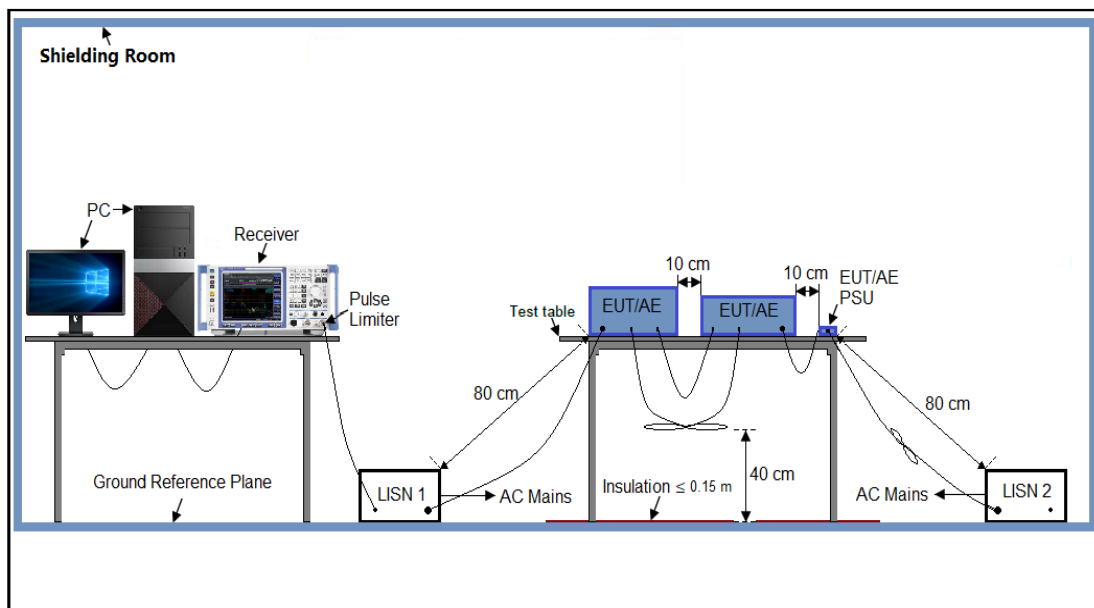
12.1 Measurement Limits

Frequency	Maximum RF Line Voltage	
	Q.P (dBμV)	Average (dBμV)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

12.2 Block Diagram of Line Conducted Emission Test



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12.3 Preliminary Procedure of Line Conducted Emission Test

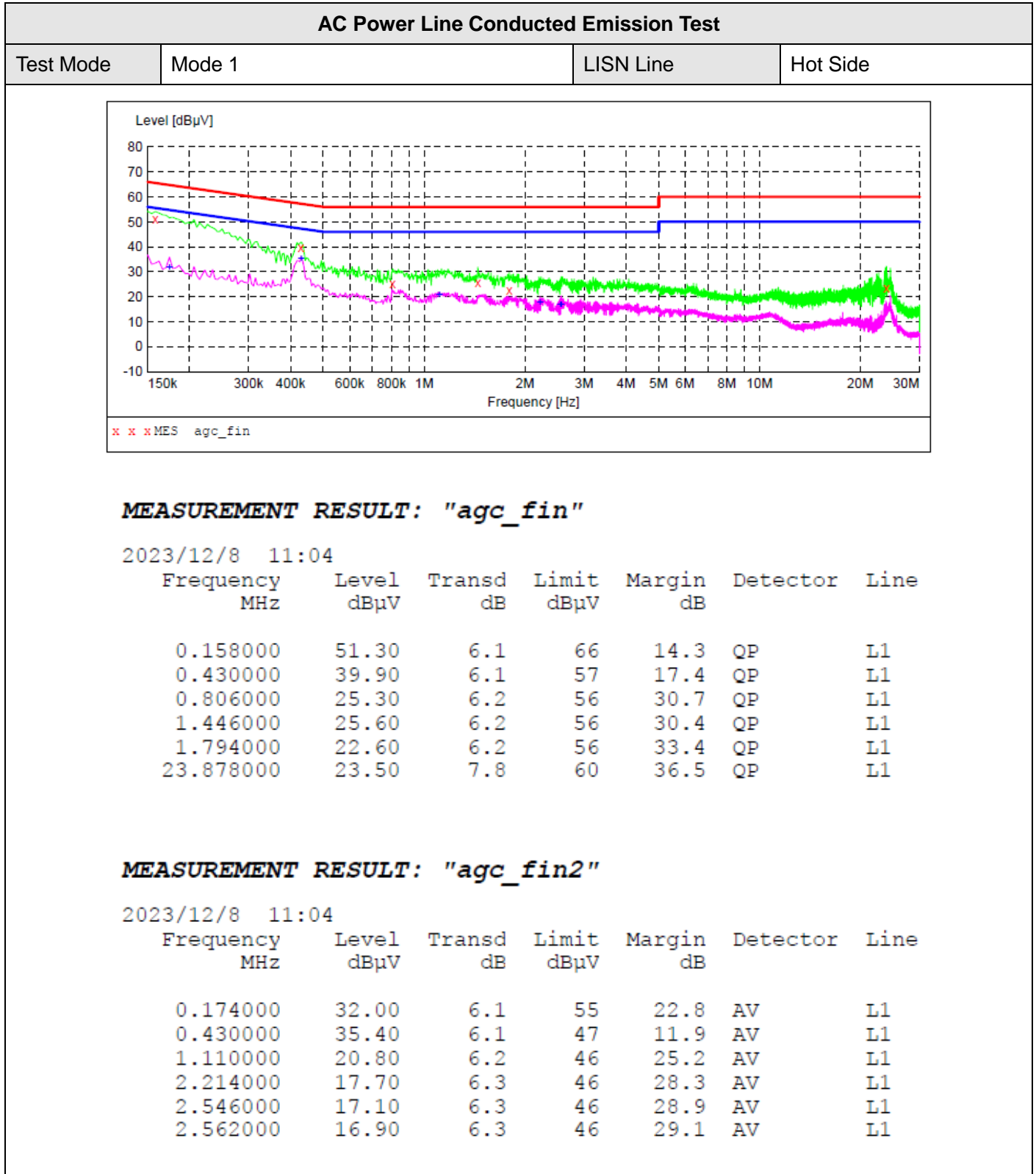
1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. All support equipment received AC120V/60Hz power from a LISN, if any.
5. The EUT received DC 12V power from adapter which received AC120V/60Hz power from a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 Ohm load; the second scan had Line 1 connected to a 50 Ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

12.4 Final Procedure of Line Conducted Emission Test

1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less – 2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case was reported on the Summary Data page.

12.5 Test Result of Line Conducted Emission Test

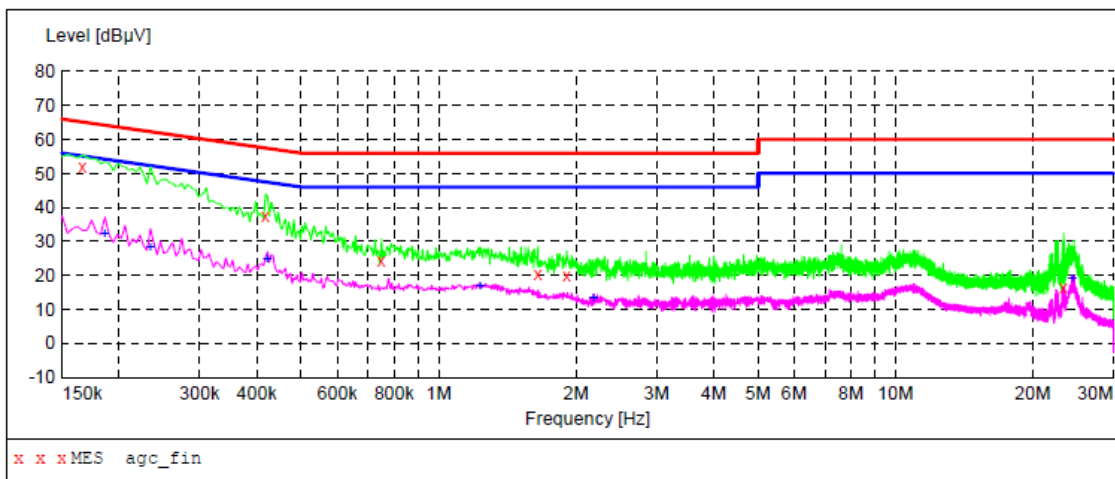


RESULT: Pass

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AC Power Line Conducted Emission Test

Test Mode	Mode 1	LISN Line	Neutral Side
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MEASUREMENT RESULT: "agc_fin"

2023/12/8 11:01

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.166000	51.80	6.1	65	13.4	QP	N
0.418000	37.40	6.1	58	20.1	QP	N
0.750000	24.40	6.2	56	31.6	QP	N
1.650000	20.20	6.2	56	35.8	QP	N
1.906000	20.10	6.2	56	35.9	QP	N
23.314000	16.50	7.7	60	43.5	QP	N

MEASUREMENT RESULT: "agc_fin2"

2023/12/8 11:01

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line
0.186000	32.10	6.1	54	22.1	AV	N
0.234000	28.50	6.1	52	23.8	AV	N
0.422000	24.60	6.1	47	22.8	AV	N
1.234000	16.70	6.2	46	29.3	AV	N
2.182000	13.30	6.3	46	32.7	AV	N
24.350000	19.10	7.9	50	30.9	AV	N

RESULT: Pass

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Appendix I: Photographs of Test Setup

Refer to the Report No.: AGC05877231202AP02

Appendix II: Photographs of EUT

Refer to the Report No.: AGC05877231202AP03

-----End of Report-----

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3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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