

Appendix B for test data:**1.Radiated Spurious Emission and Restricted Band**

Test Result

Radiated Spurious Emission:**For 9 kHz ~ 30 MHz**

Note:

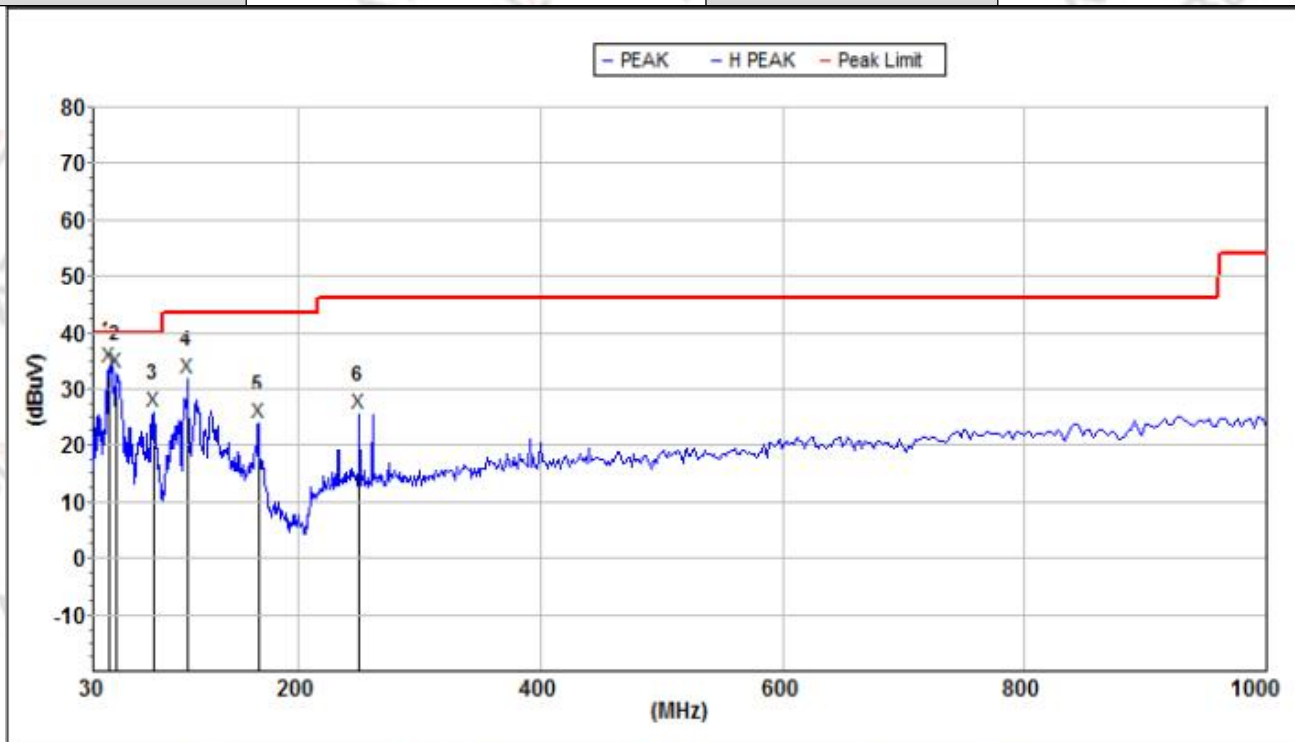
- 1.The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.
- 2.The all data rate modes had been test, but only worse test data was recorded in the test report.

Below 1GHz:

Note:

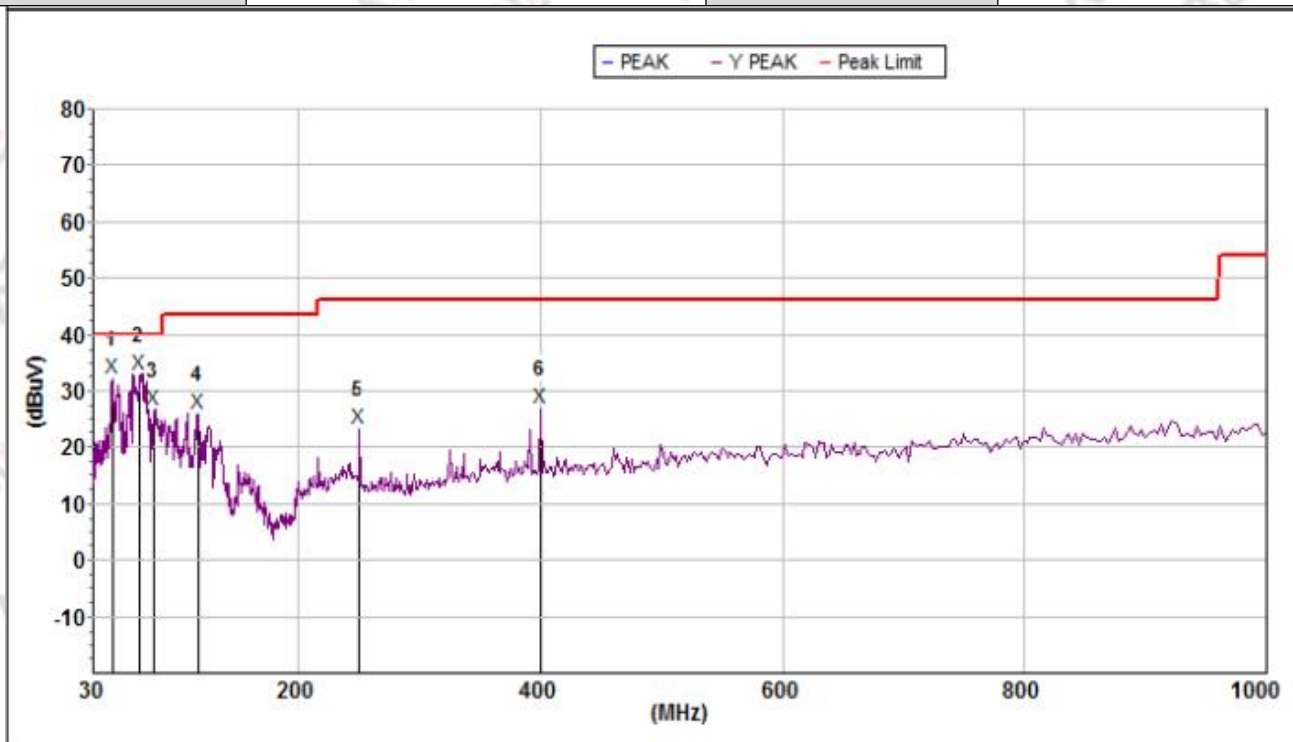
- 1.All modes have been tested, only worst (3DH5-2402MHz)mode was recorded in the test report.
- 2.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
- 3.Correction Factor (dB/m) = Antenna Pol. Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
- 4.The emission levels of other frequencies were less than 20dB margin against the limit.
- 5.Margin value = Emission level-Limit value.

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5_2402MHz	Antenna Pol.	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	43.659	75.9	-42.1	33.8	40.0	6.2	H
2	49.707	75.1	-42.3	32.8	40.0	7.2	H
3	79.521	70.1	-44.1	26.0	40.0	14.0	H
4	107.888	70.0	-38.1	31.9	43.5	11.6	H
5	166.651	61.8	-37.8	24.0	43.5	19.5	H
6	250.301	53.0	-27.3	25.7	46.0	20.3	H

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5_2402MHz	Antenna Pol.	Vertical



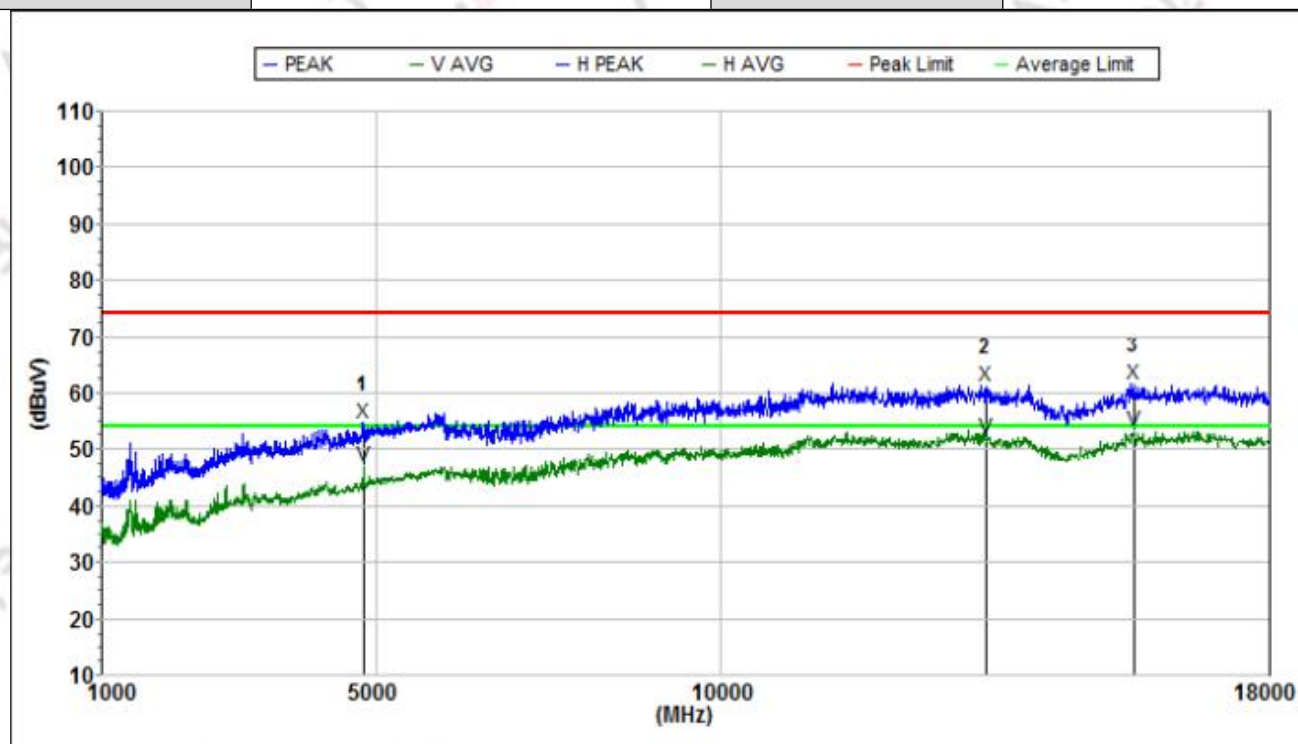
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	45.535	76.9	-44.5	32.4	40.0	7.6	V
2	68.151	78.1	-45.0	33.1	40.0	6.9	V
3	79.800	70.0	-43.2	26.8	40.0	13.2	V
4	116.540	58.8	-32.7	26.1	43.5	17.4	V
5	250.301	50.4	-27.0	23.4	46.0	22.6	V
6	400.432	52.2	-25.0	27.2	46.0	18.8	V

1GHz-18GHz:

Note:

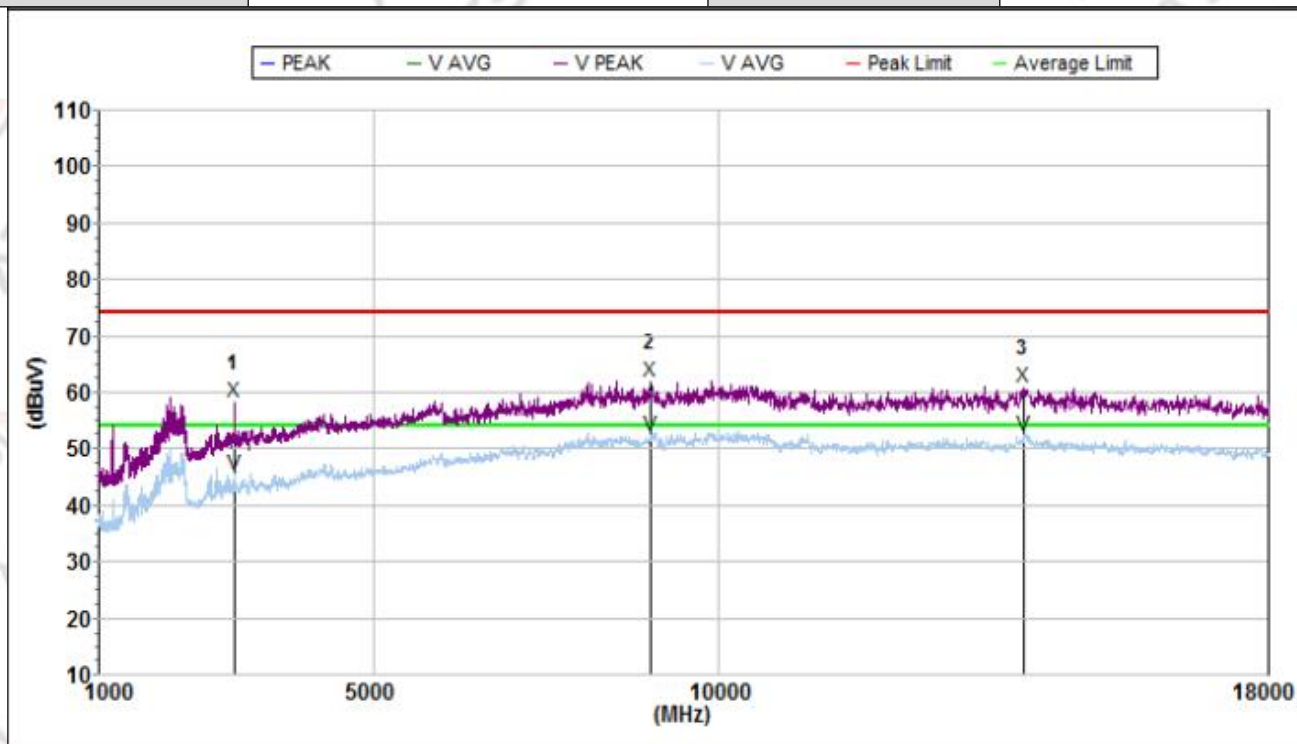
- 1.All modes have been tested, only worst (3DH5)mode was recorded in the test report.
- 2.In frequency ranges 18 ~25GHz no any other harmonic emissions detected which are tested to compliance with the limit. No recording in the test report. No any other emissions level which are attenuated less than 20dB below the limit. No recording in the test report.
- 3.We used the filter to test and the main frequency was filtered out.
- 4.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
5. Correction Factor (dB/m) = Antenna Pol. Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
6. Margin value = Emission level-Limit value.

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2402MHz	Antenna Pol.	Horizontal



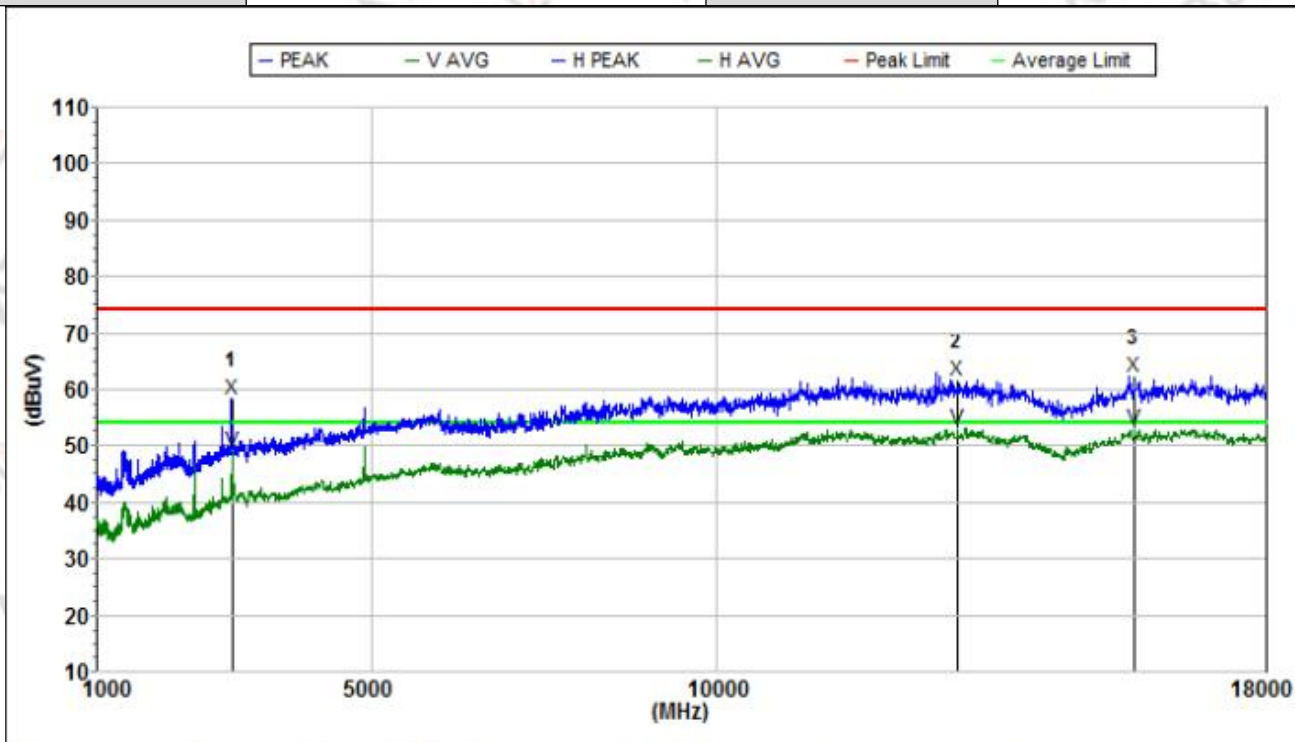
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	4807.500	61.2	-6.3	54.9	74.0	19.1	H
2	13884.000	59.0	2.4	61.4	74.0	12.6	H
3	16020.000	58.2	3.6	61.8	74.0	12.2	H
Avg							
1	4807.500	53.6	-6.3	47.3	54.0	6.7	H
2	13884.000	49.8	2.4	52.2	54.0	1.8	H
3	16020.000	49.9	3.6	53.5	54.0	0.5	H

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2402MHz	Antenna Pol.	Vertical



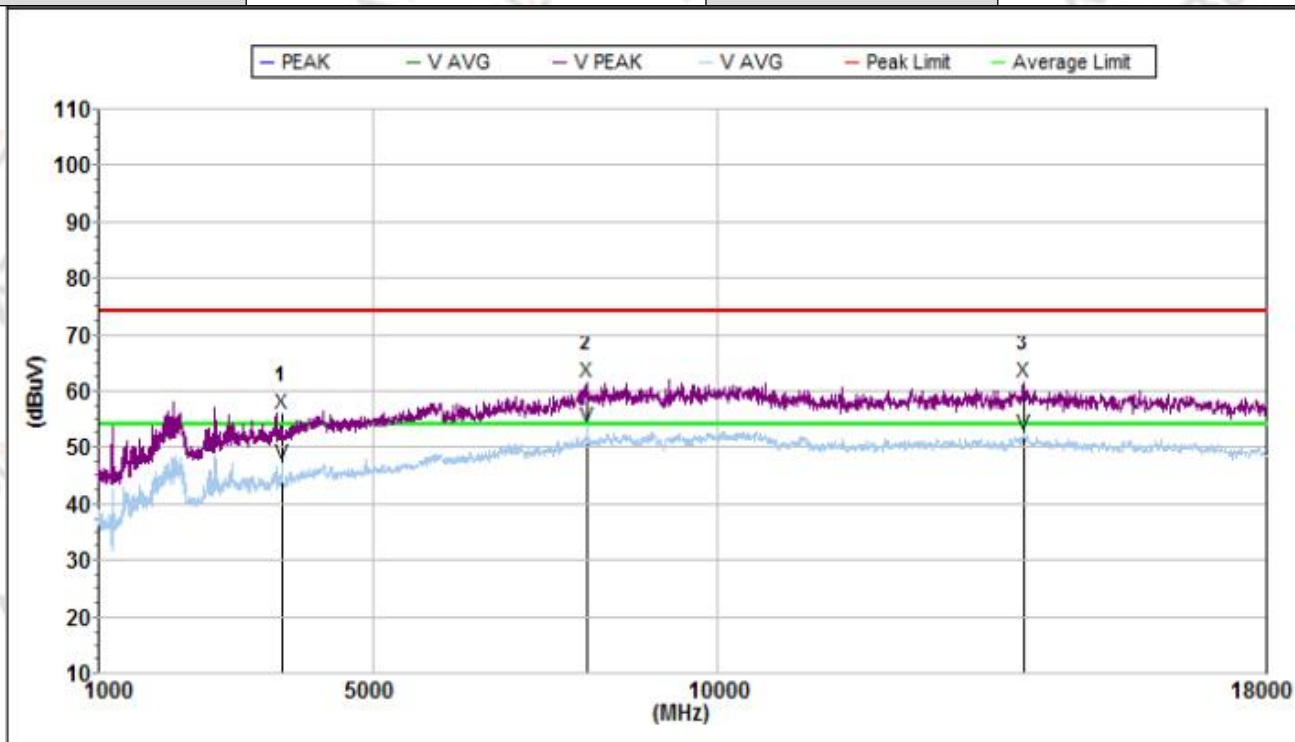
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2967.500	67.4	-9.2	58.2	74.0	15.8	V
2	9012.000	60.1	2.0	62.1	74.0	11.9	V
3	14454.000	58.5	2.5	61.0	74.0	13.0	V
Avg							
1	2967.500	54.7	-9.2	45.5	54.0	8.5	V
2	9012.000	50.5	2.0	52.5	54.0	1.5	V
3	14454.000	50.0	2.5	52.5	54.0	1.5	V

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2441MHz	Antenna Pol.	Horizontal



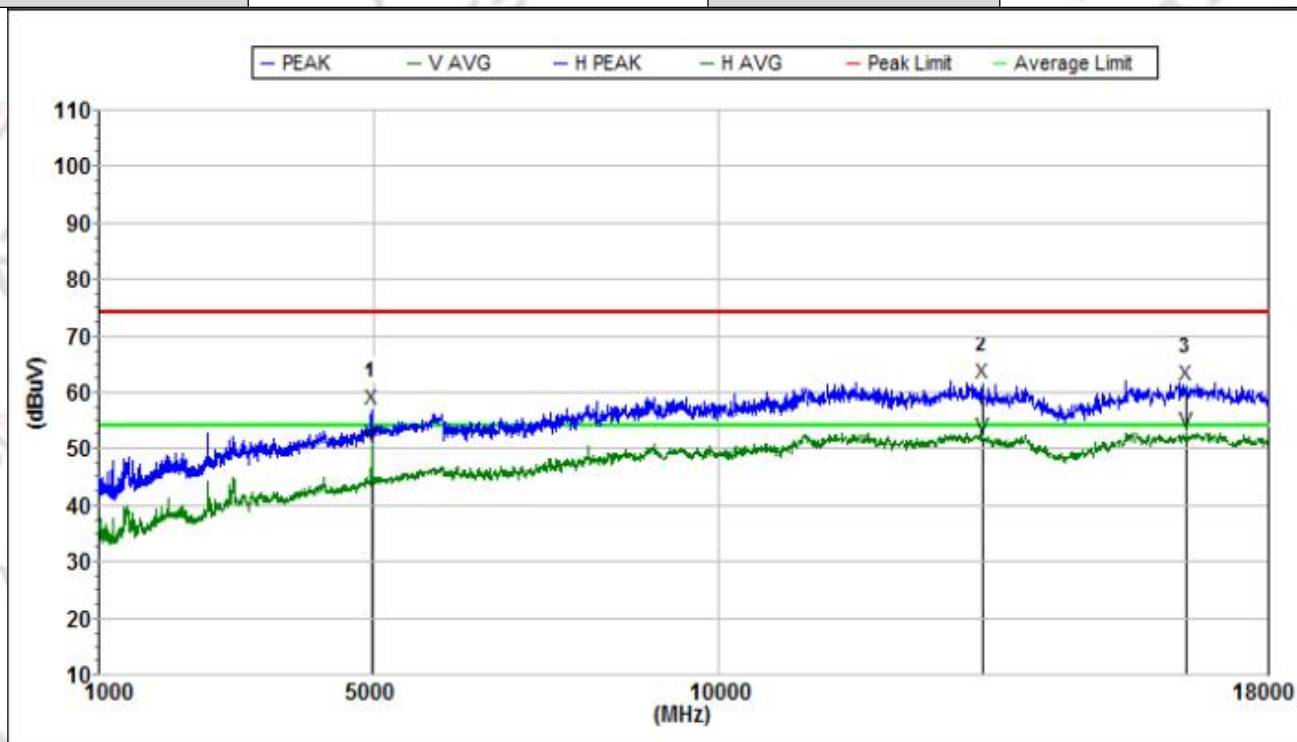
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2960.000	69.6	-11.2	58.4	74.0	15.6	H
2	13506.000	58.6	3.2	61.8	74.0	12.2	H
3	16086.000	58.8	3.6	62.4	74.0	11.6	H
Avg							
1	2960.000	60.5	-11.2	49.3	54.0	4.7	H
2	13506.000	49.8	3.2	53.0	54.0	1.0	H
3	16086.000	49.5	3.6	53.1	54.0	0.9	H

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2441MHz	Antenna Pol.	Vertical



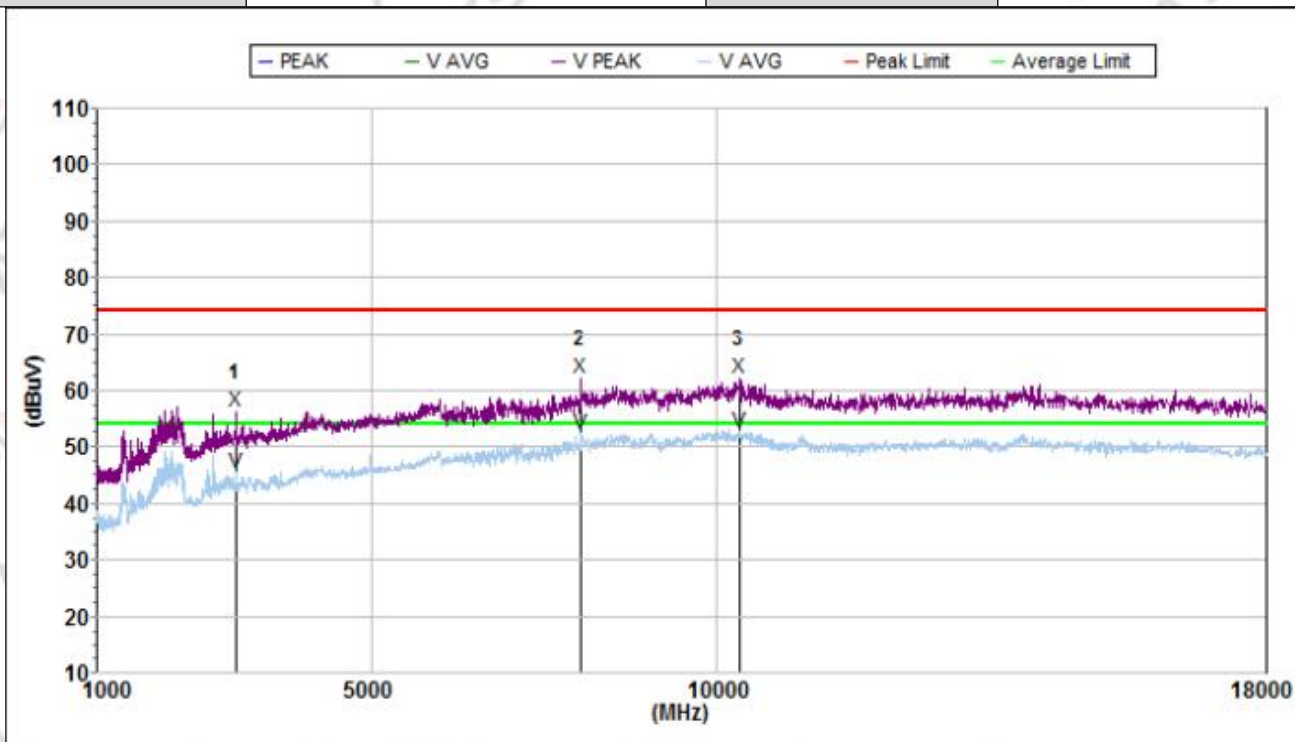
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	3672.500	63.7	-7.7	56.0	74.0	18.0	V
2	8106.000	59.5	2.2	61.7	74.0	12.3	V
3	14478.000	59.1	2.5	61.6	74.0	12.4	V
Avg							
1	3672.500	54.9	-7.7	47.2	54.0	6.8	V
2	8106.000	51.6	2.2	53.8	54.0	0.2	V
3	14478.000	49.8	2.5	52.3	54.0	1.7	V

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2480MHz	Antenna Pol.	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	4962.500	62.8	-5.6	57.2	74.0	16.8	H
2	13854.000	59.3	2.5	61.8	74.0	12.2	H
3	16794.000	57.6	3.8	61.4	74.0	12.6	H
Avg							
1	4962.500	56.4	-5.6	50.8	54.0	3.2	H
2	13854.000	49.6	2.5	52.1	54.0	1.9	H
3	16794.000	49.4	3.8	53.2	54.0	0.8	H

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2480MHz	Antenna Pol.	Vertical



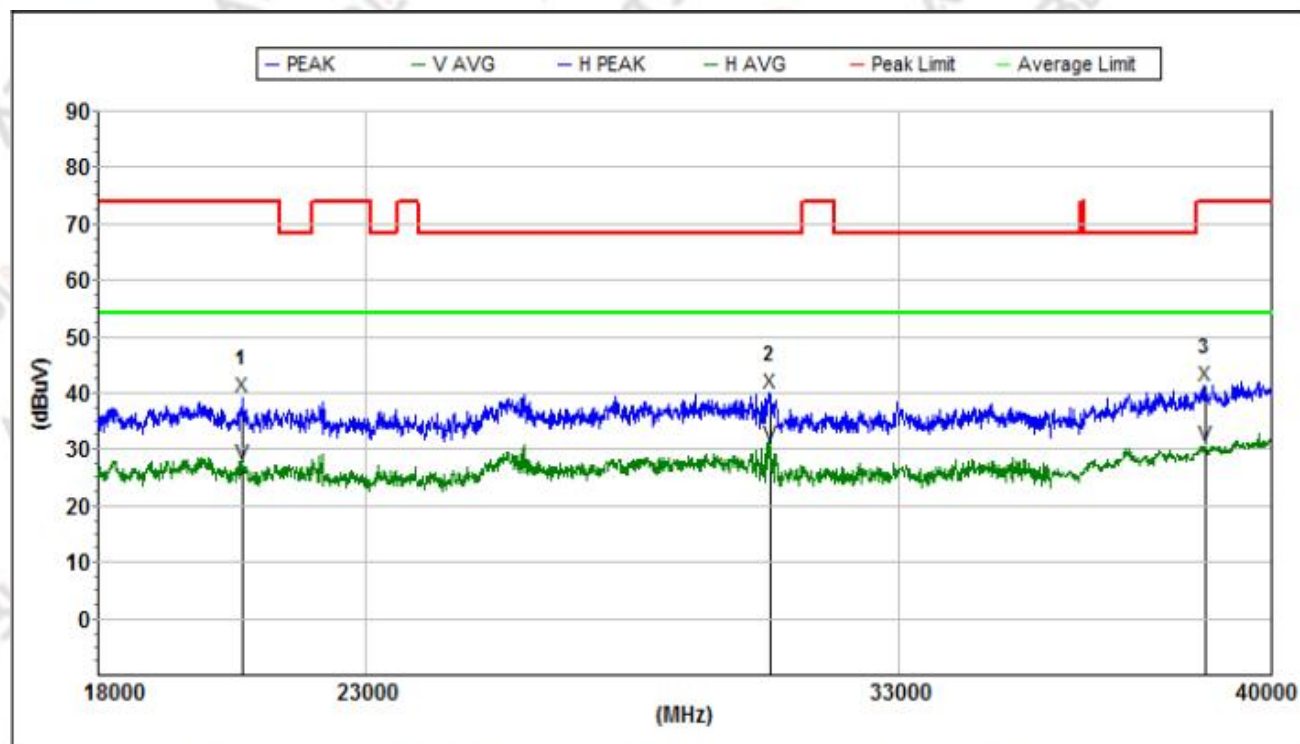
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	3025.000	65.4	-9.1	56.3	74.0	17.7	V
2	8046.000	60.1	2.2	62.3	74.0	11.7	V
3	10356.000	58.9	3.3	62.2	74.0	11.8	V
Avg							
1	3025.000	54.6	-9.1	45.5	54.0	8.5	V
2	8046.000	50.1	2.2	52.3	54.0	1.7	V
3	10356.000	49.4	3.3	52.7	54.0	1.3	V

18GHz-40GHz:

Note:

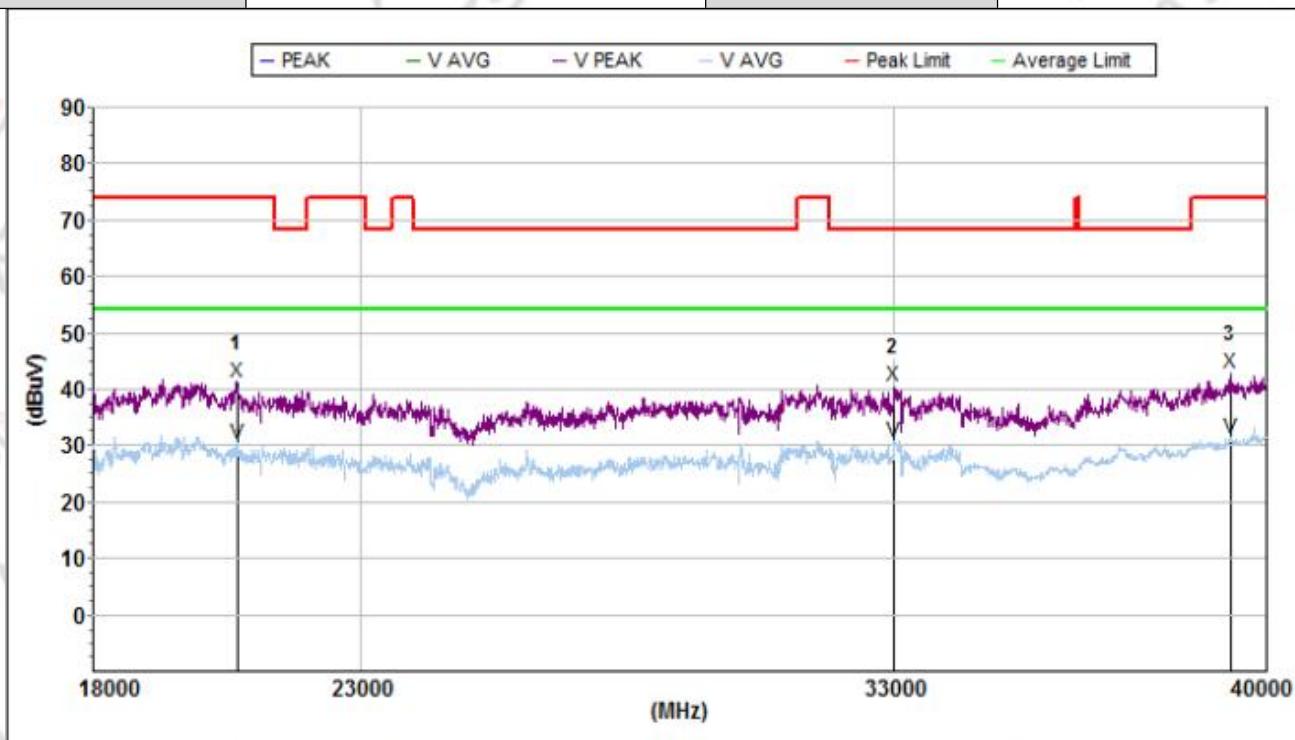
All modes have been tested, only worst (3DH5-2402MHz)mode was recorded in the test report.

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2402MHz	Antenna Pol.	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	20706.000	60.4	-20.9	39.5	74.0	34.5	H
2	30595.000	57.1	-17.1	40.0	68.2	28.2	H
3	38757.000	57.0	-15.6	41.4	74.0	32.6	H
Avg							
1	20706.000	48.4	-20.9	27.5	54.0	26.5	H
2	30595.000	47.9	-17.1	30.8	54.0	23.2	H
3	38757.000	46.4	-15.6	30.8	54.0	23.2	H

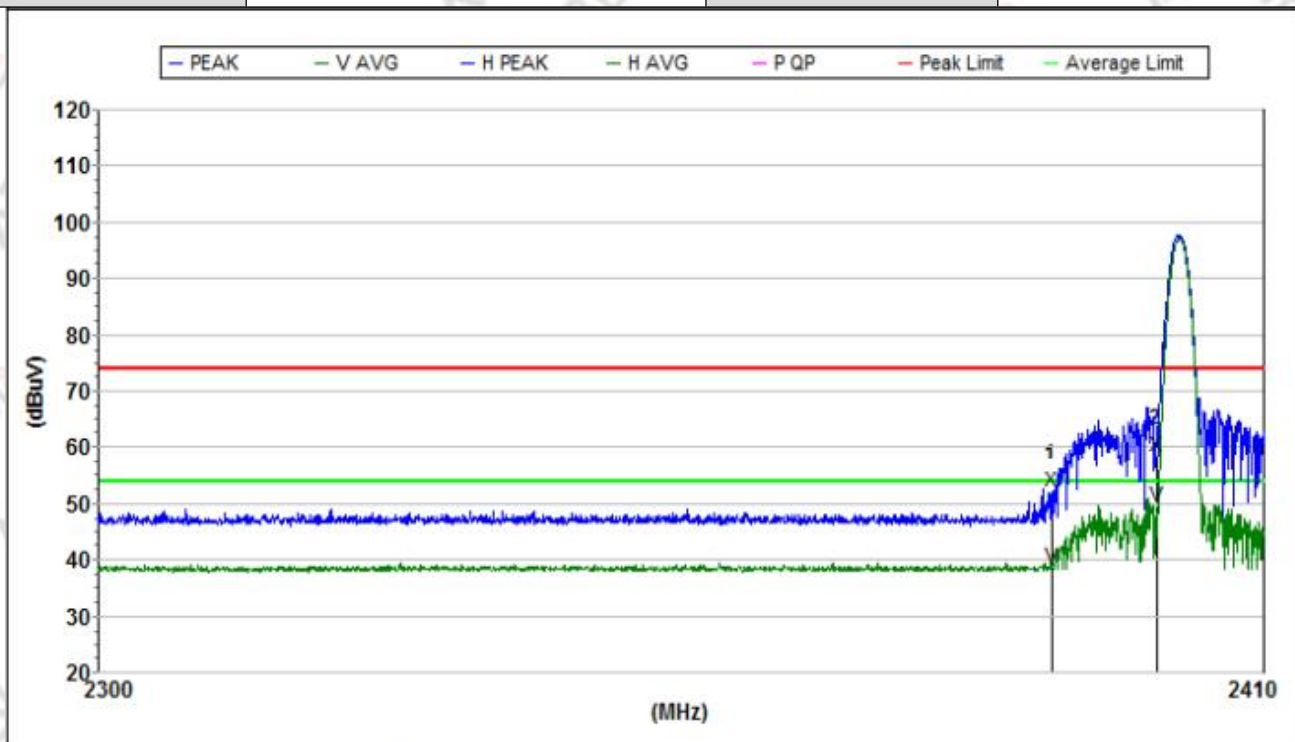
EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2402MHz	Antenna Pol.	Vertical



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	20695.000	57.2	-15.9	41.3	74.0	32.7	V
2	33015.000	57.2	-16.5	40.7	68.2	27.5	V
3	39340.000	58.1	-15.3	42.8	74.0	31.2	V
Avg							
1	20695.000	46.5	-15.9	30.6	54.0	23.4	V
2	33015.000	47.3	-16.5	30.8	54.0	23.2	V
3	39340.000	46.9	-15.3	31.6	54.0	22.4	V

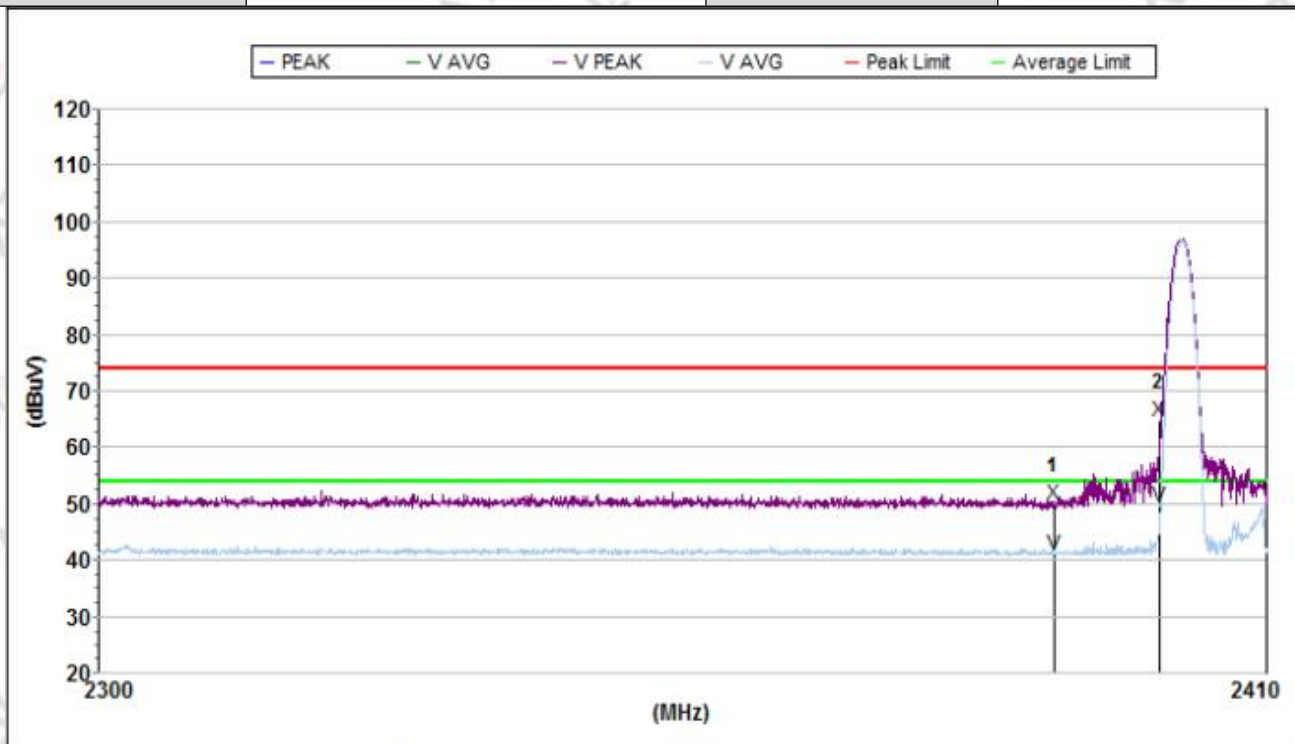
Restricted Band:

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5--2402MHz	Antenna Pol.	Horizontal



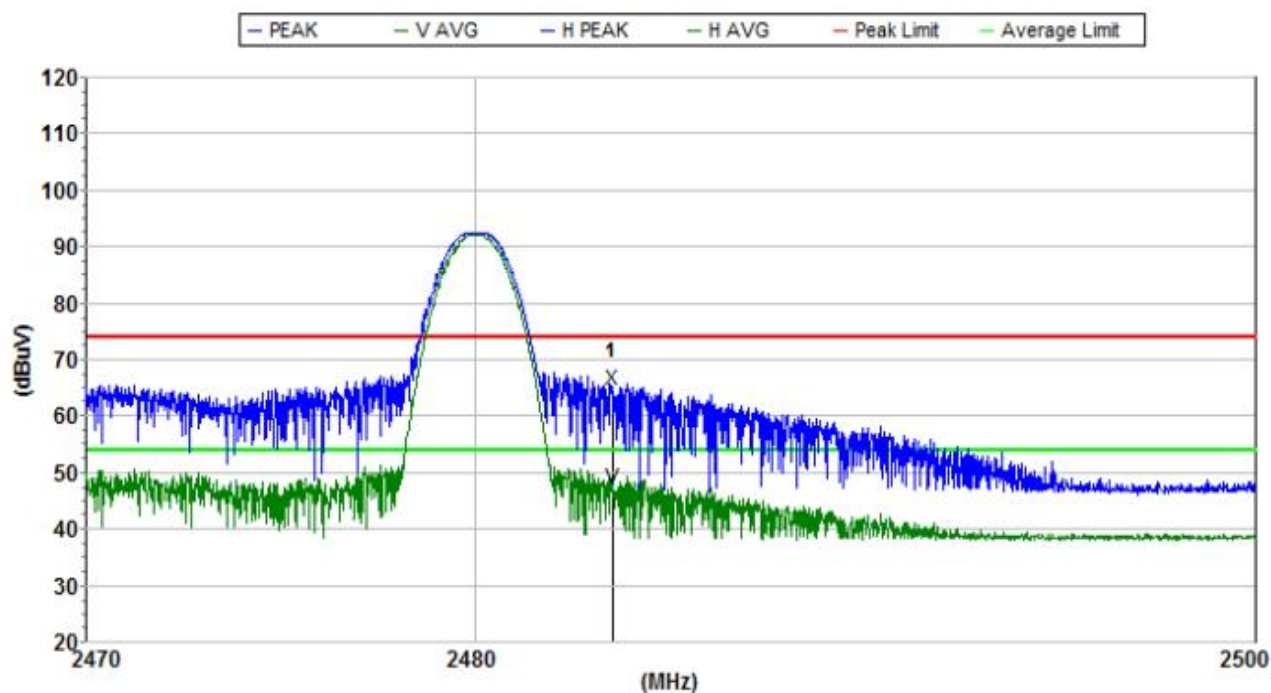
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2390.000	66.4	-14.2	52.2	74.0	21.8	H
2	2400.000	72.7	-14.2	58.5	74.0	15.5	H
Avg							
1	2390.000	52.9	-14.2	38.7	54.0	15.3	H
2	2400.000	63.7	-14.2	49.5	54.0	4.5	H

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2402MHz	Antenna Pol.	Vertical



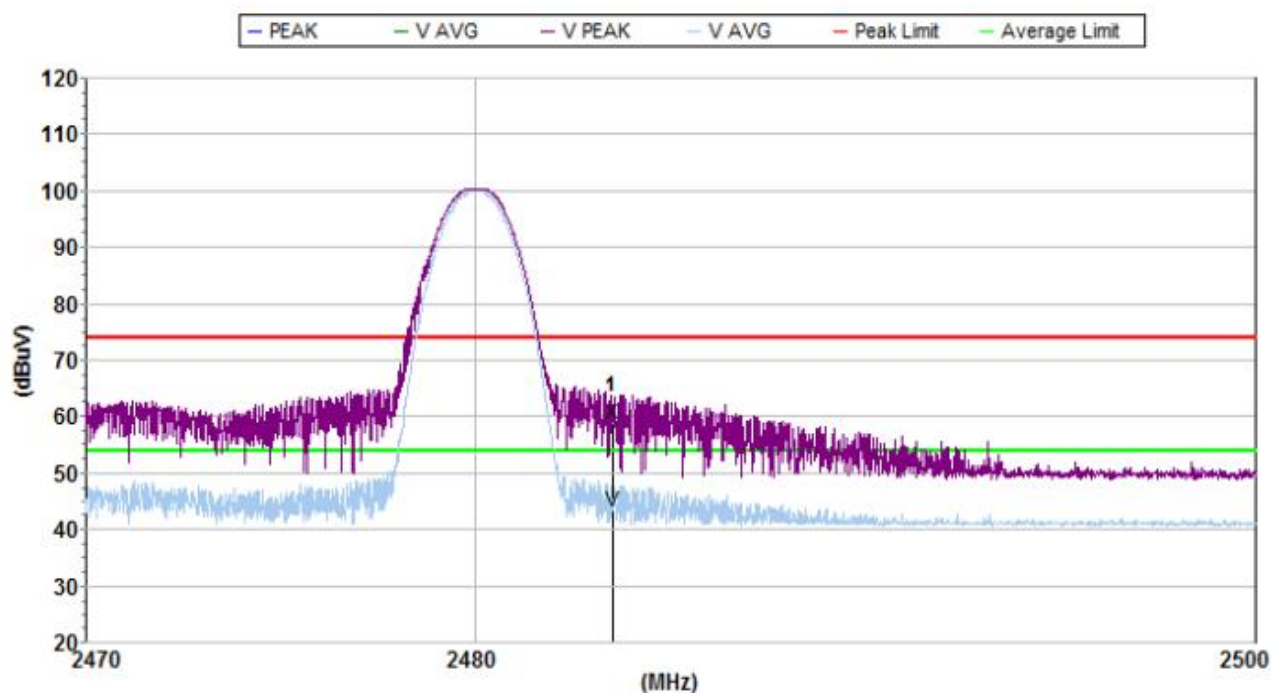
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2390.000	61.1	-11.3	49.8	74.0	24.2	V
2	2400.000	76.0	-11.4	64.6	74.0	9.4	V
Avg							
1	2390.000	52.5	-11.3	41.2	54.0	12.8	V
2	2400.000	60.9	-11.4	49.5	54.0	4.5	V

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5--2480MHz	Antenna Pol.	Horizontal



Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2483.500	78.9	-14.3	64.6	74.0	9.4	H
Avg							
1	2483.500	61.6	-14.3	47.3	54.0	6.7	H

EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2480MHz	Antenna Pol.	Vertical



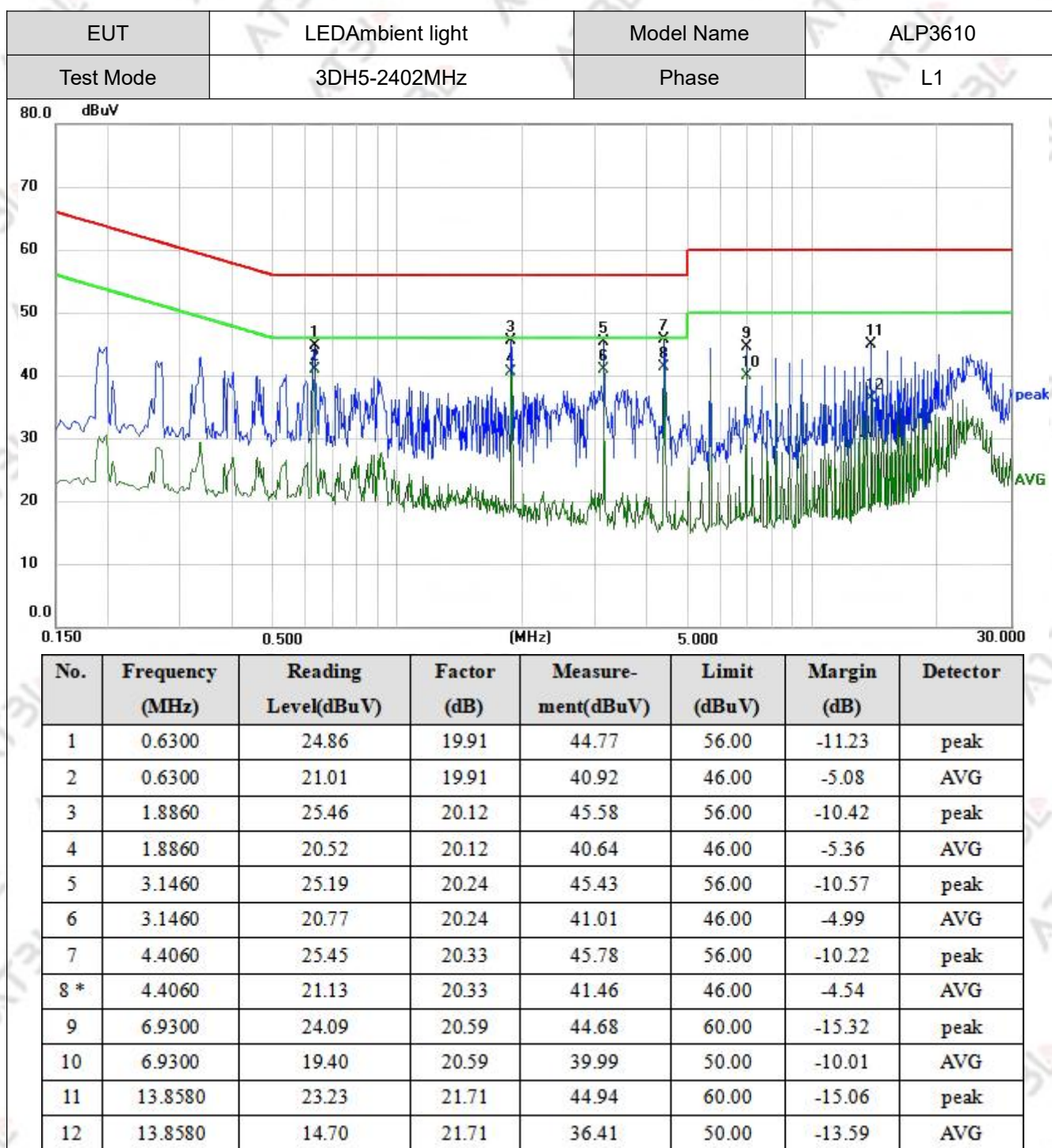
Mk.	Freq.(MHz)	Reading(dBuV/m)	Factor(dB)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Pol.
Peak:							
1	2483.500	70.5	-11.7	58.8	74.0	15.2	V
Avg							
1	2483.500	55.1	-11.7	43.4	54.0	10.6	V

9.AC Power-Line Conducted Emission

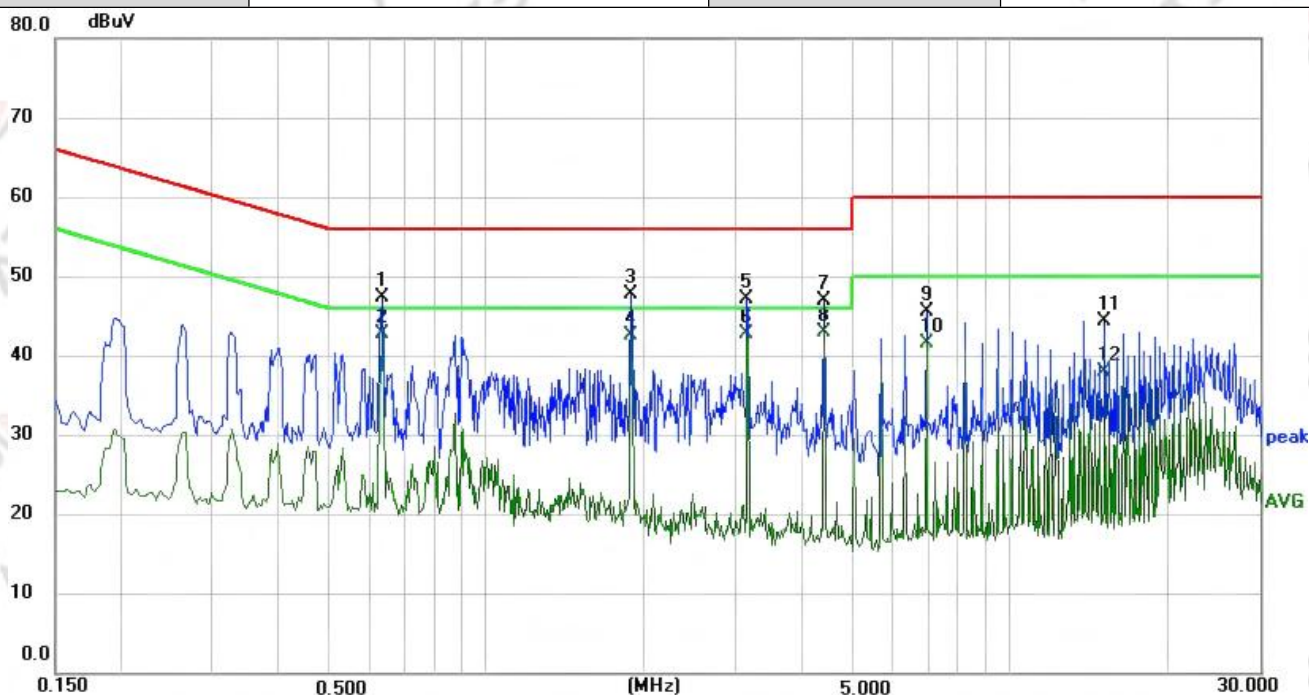
Test Result

Note:

- 1.All modes have been tested, only worst mode(3DH5-2402MHz) was recorded in the test report.
- 2.Emission Level = Reading Value + Correction Factor .
3. Correction Factor = Insertion loss + Cable loss.
4. The emission levels of other frequencies were less than 20dB margin against the limit.
5. Margin value = Emission level-Limit value.



EUT	LED Ambient light	Model Name	ALP3610
Test Mode	3DH5-2402MHz	Phase	N



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.6300	27.76	19.68	47.44	56.00	-8.56	peak
2	0.6300	23.08	19.68	42.76	46.00	-3.24	AVG
3	1.8940	27.66	20.04	47.70	56.00	-8.30	peak
4	1.8940	22.63	20.04	42.67	46.00	-3.33	AVG
5	3.1540	27.20	20.08	47.28	56.00	-8.72	peak
6	3.1540	22.77	20.08	42.85	46.00	-3.15	AVG
7	4.4180	26.82	20.13	46.95	56.00	-9.05	peak
8 *	4.4180	22.87	20.13	43.00	46.00	-3.00	AVG
9	6.9380	25.13	20.39	45.52	60.00	-14.48	peak
10	6.9380	21.24	20.39	41.63	50.00	-8.37	AVG
11	15.1500	22.82	21.58	44.40	60.00	-15.60	peak
12	15.1500	16.48	21.58	38.06	50.00	-11.94	AVG