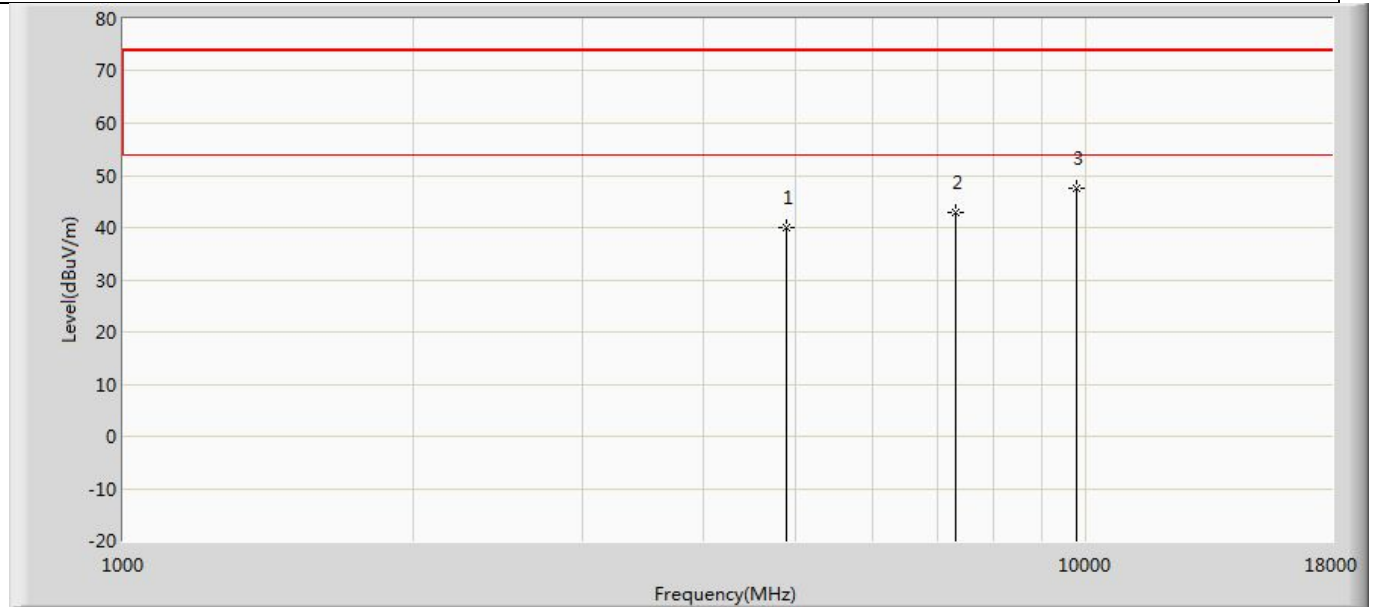
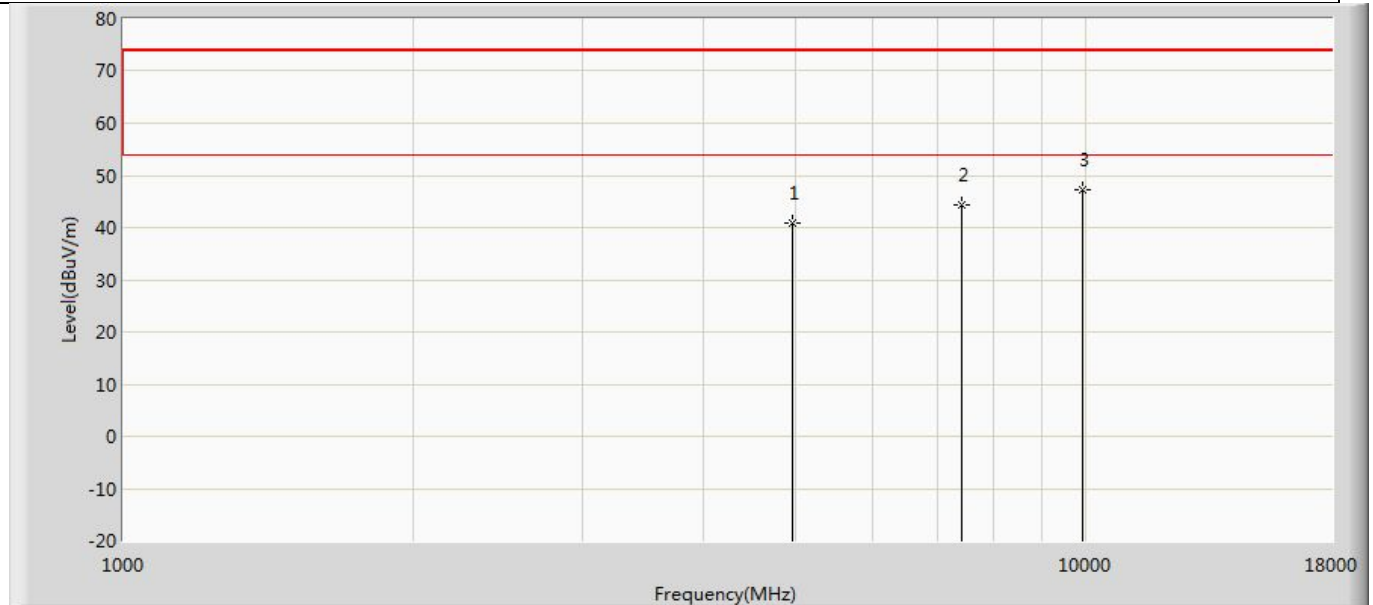


Profile: 2320237R	Page No.: 40
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED Lamp	Power: 12Vac
Note: Mode 2 : Transmit at 2440MHz by LE_2Mbps	



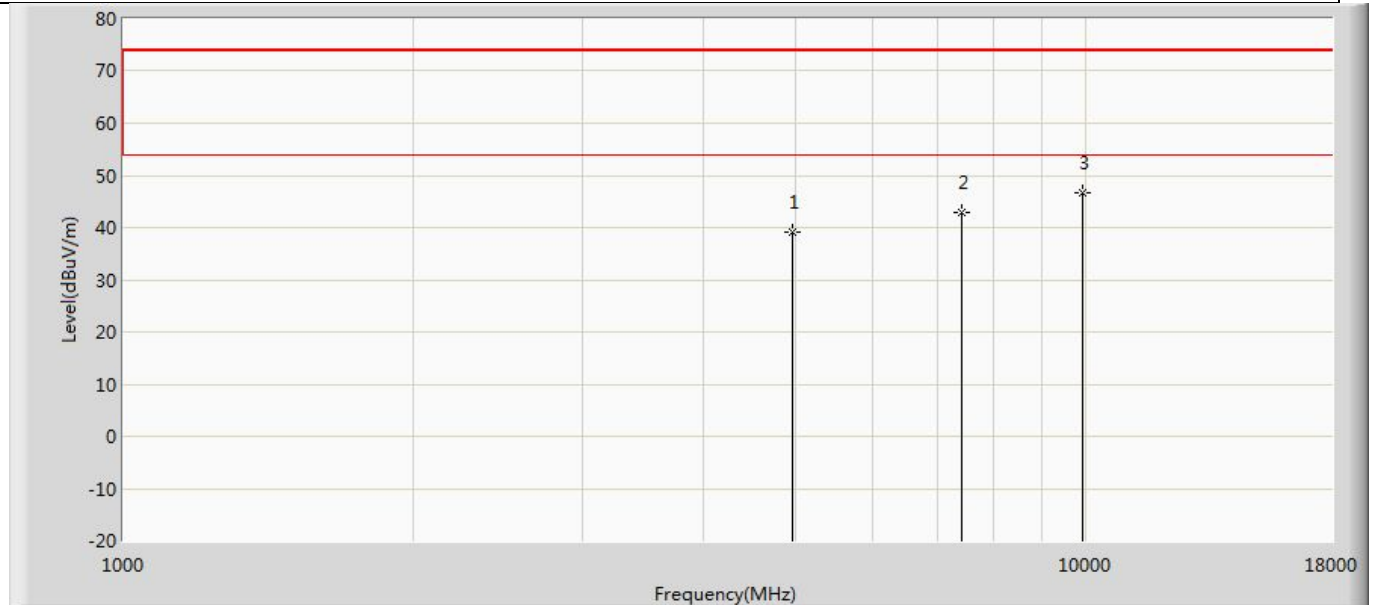
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	39.904	54.198	-34.096	74.000	-14.294	PK
2		7320.000	42.998	52.730	-31.002	74.000	-9.732	PK
3	*	9760.000	47.401	52.952	-26.599	74.000	-5.550	PK

Profile: 2320237R	Page No.: 41
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED Lamp	Power: 12Vac
Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps	



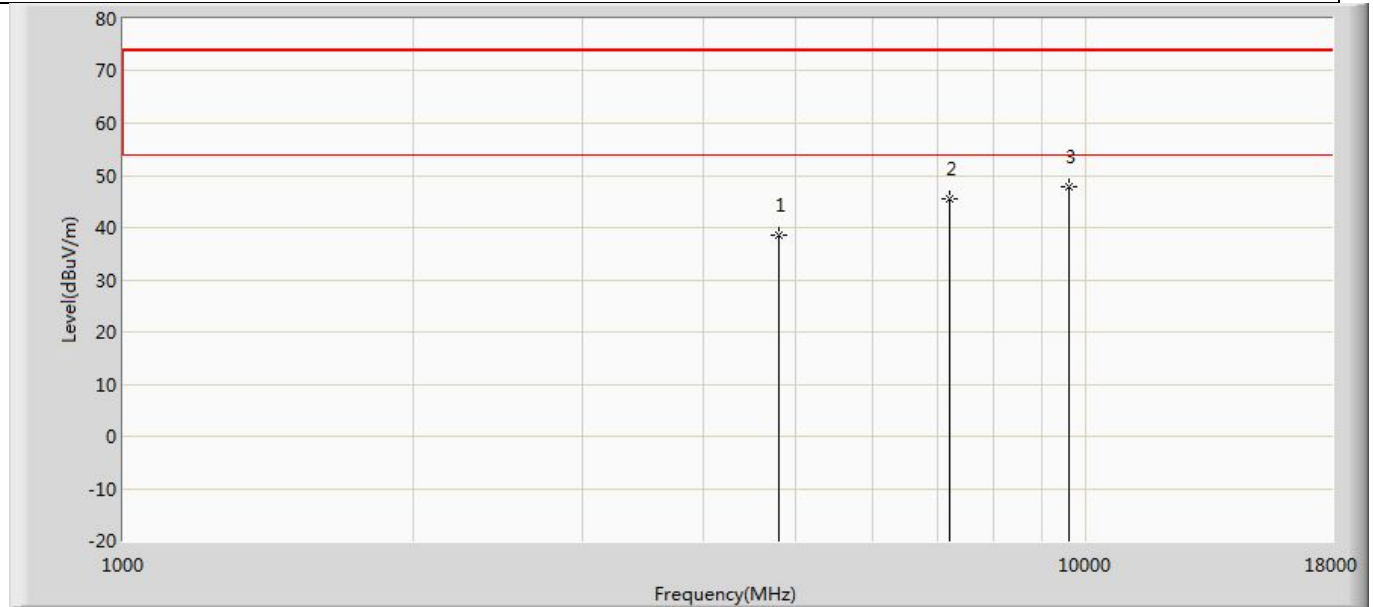
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.799	54.950	-33.201	74.000	-14.151	PK
2		7440.000	44.349	53.711	-29.651	74.000	-9.362	PK
3	*	9920.000	47.301	52.213	-26.699	74.000	-4.913	PK

Profile: 2320237R	Page No.: 42
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED Lamp	Power: 12Vac
Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps	



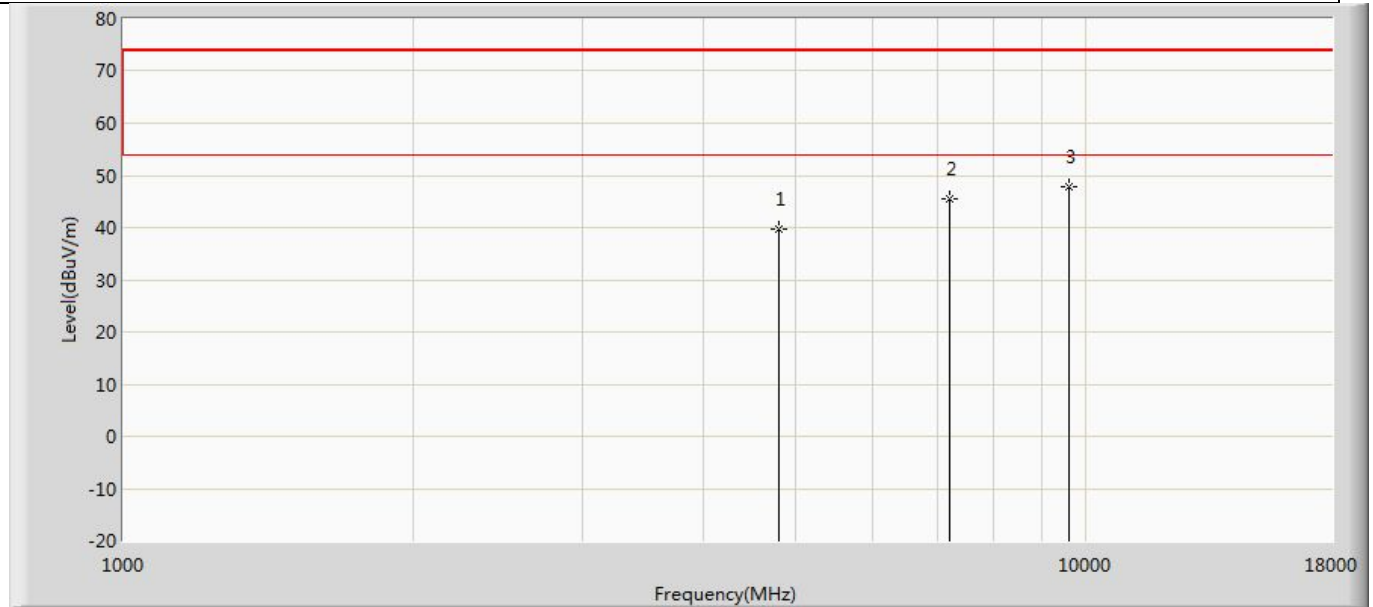
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	39.233	53.384	-34.767	74.000	-14.151	PK
2		7440.000	42.970	52.332	-31.030	74.000	-9.362	PK
3	*	9920.000	46.753	51.665	-27.247	74.000	-4.913	PK

Profile: 2320237R	Page No.: 49
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED Lamp	Power: 12Vac
Note: Mode 3 : Transmit at 2402MHz by LE_Coded S=2	



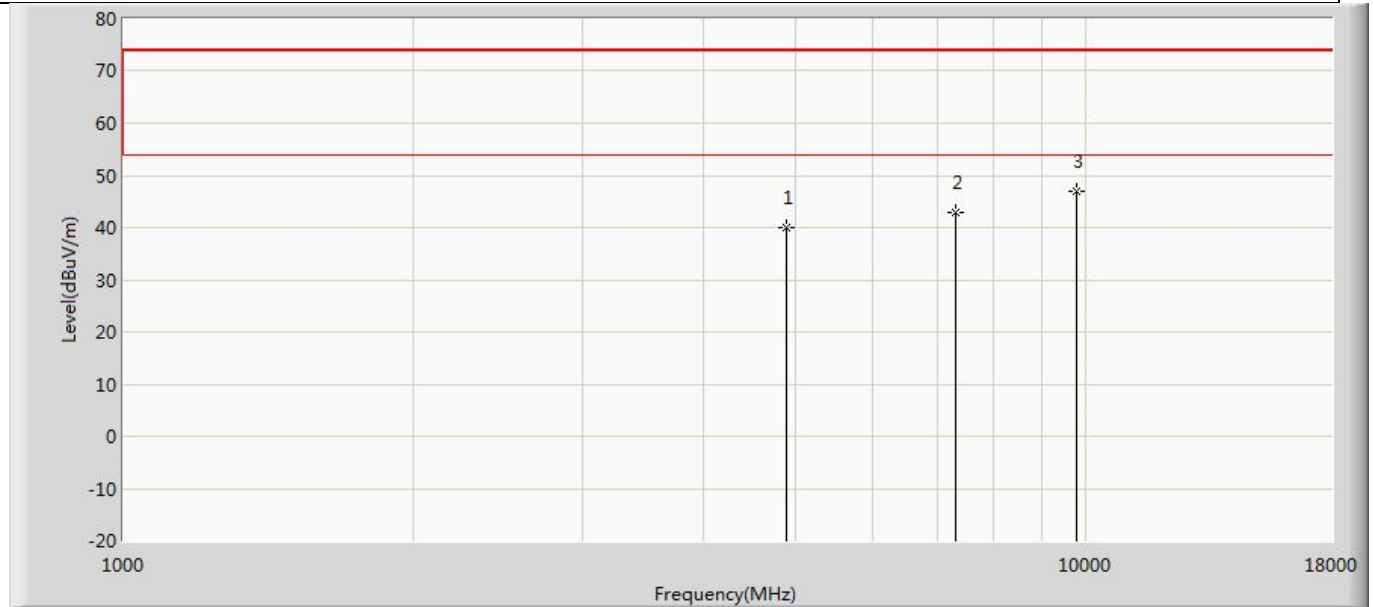
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	38.570	53.237	-35.430	74.000	-14.667	PK
2		7206.000	45.564	55.280	-28.436	74.000	-9.716	PK
3	*	9608.000	47.873	53.508	-26.127	74.000	-5.635	PK

Profile: 2320237R	Page No.: 50
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED Lamp	Power: 12Vac
Note: Mode 3 : Transmit at 2402MHz by LE_Coded S=2	



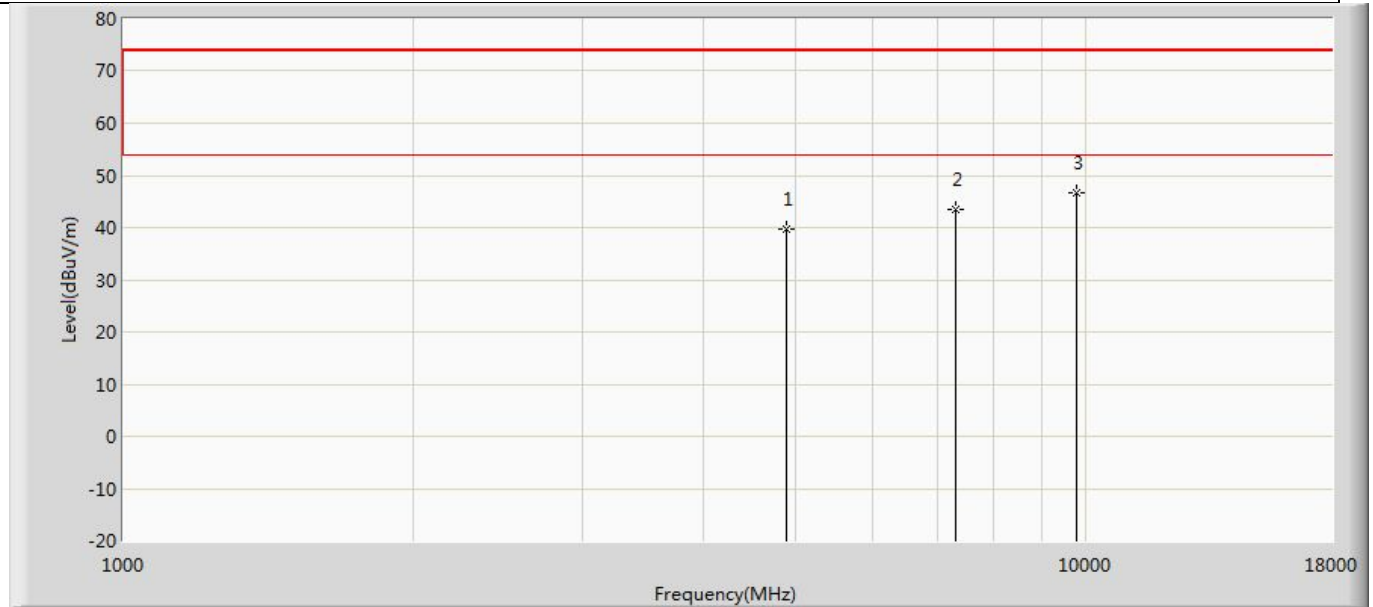
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	39.644	54.311	-34.356	74.000	-14.667	PK
2		7206.000	45.424	55.140	-28.576	74.000	-9.716	PK
3	*	9608.000	47.730	53.365	-26.270	74.000	-5.635	PK

Profile: 2320237R	Page No.: 51
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED Lamp	Power: 12Vac
Note: Mode 3 : Transmit at 2440MHz by LE_Coded S=2	



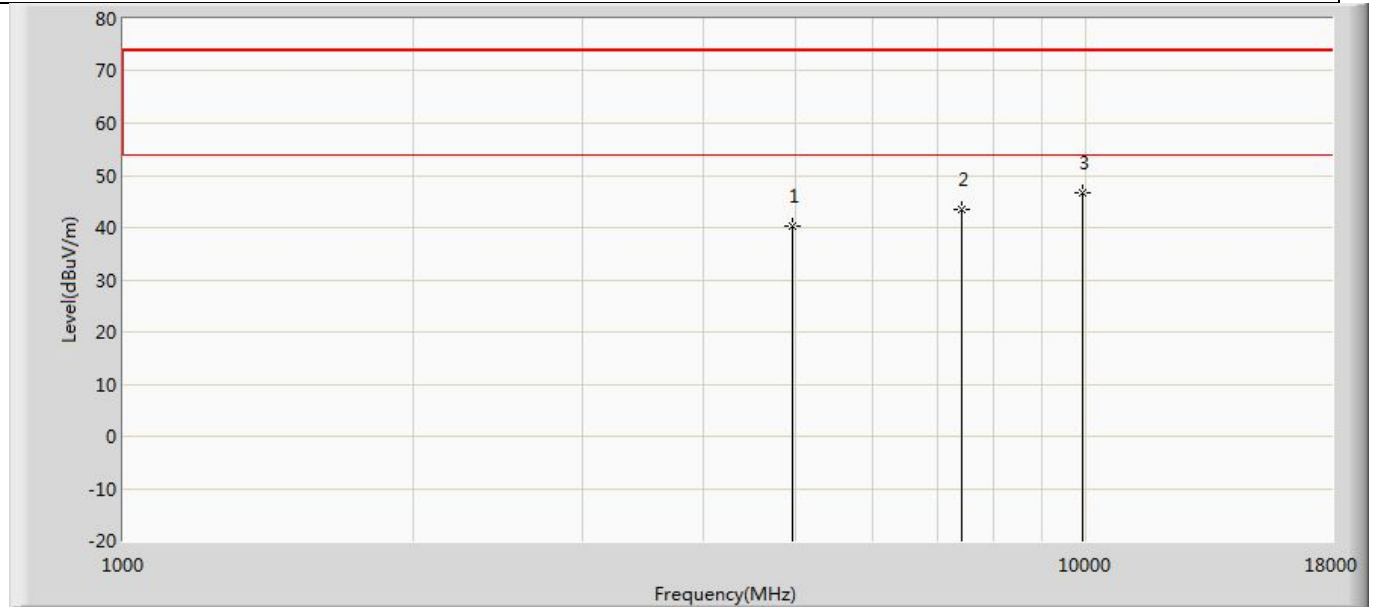
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	40.022	54.316	-33.978	74.000	-14.294	PK
2		7320.000	42.954	52.686	-31.046	74.000	-9.732	PK
3	*	9760.000	47.097	52.648	-26.903	74.000	-5.550	PK

Profile: 2320237R	Page No.: 52
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED Lamp	Power: 12Vac
Note: Mode 3 : Transmit at 2440MHz by LE_Coded S=2	



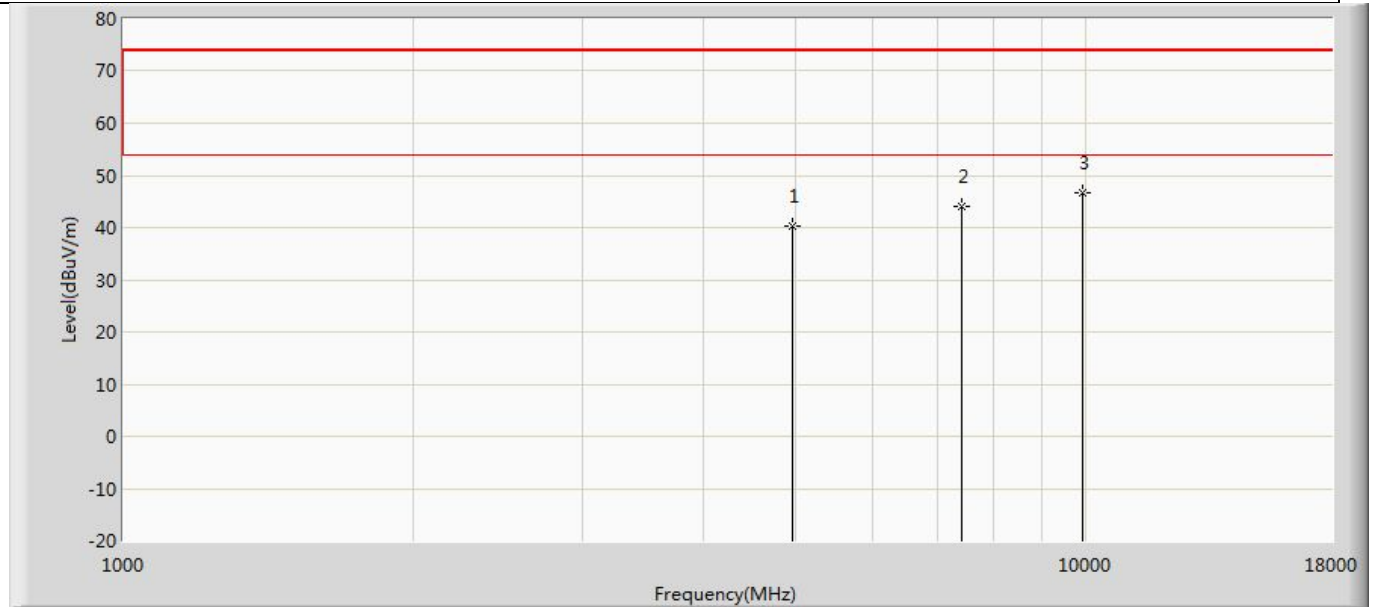
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	39.693	53.987	-34.307	74.000	-14.294	PK
2		7320.000	43.446	53.178	-30.554	74.000	-9.732	PK
3	*	9760.000	46.655	52.206	-27.345	74.000	-5.550	PK

Profile: 2320237R	Page No.: 53
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED Lamp	Power: 12Vac
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=2	



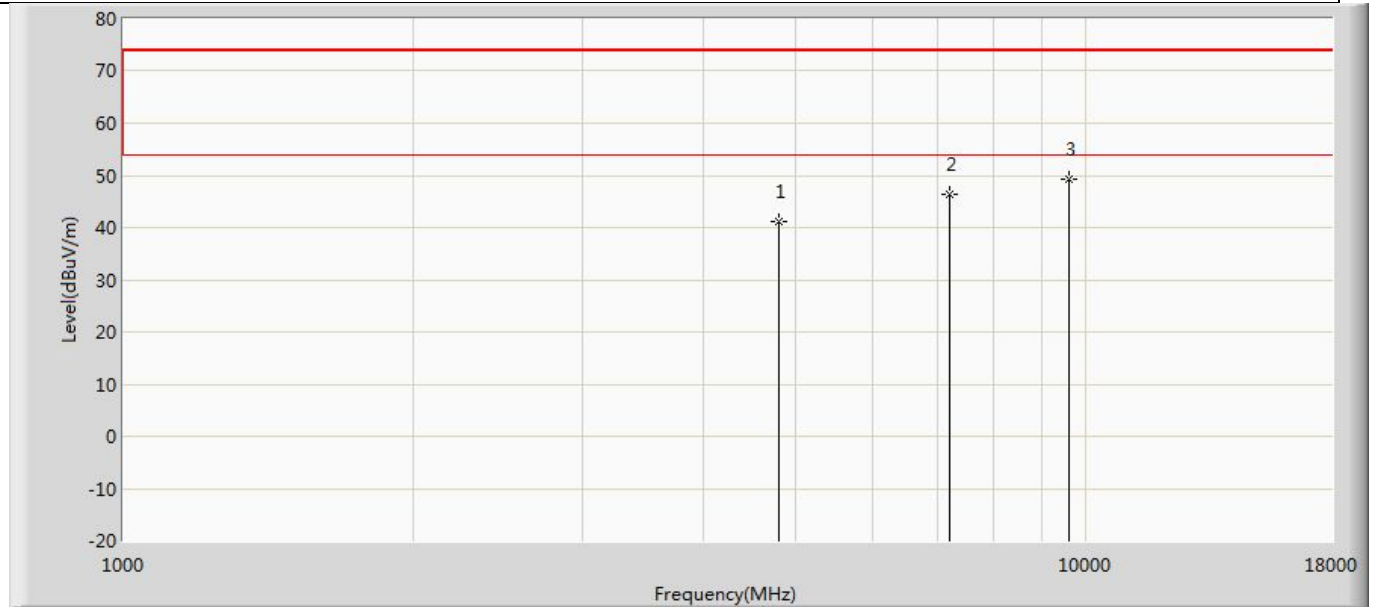
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.423	54.574	-33.577	74.000	-14.151	PK
2		7440.000	43.519	52.881	-30.481	74.000	-9.362	PK
3	*	9920.000	46.667	51.579	-27.333	74.000	-4.913	PK

Profile: 2320237R	Page No.: 54
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED Lamp	Power: 12Vac
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=2	



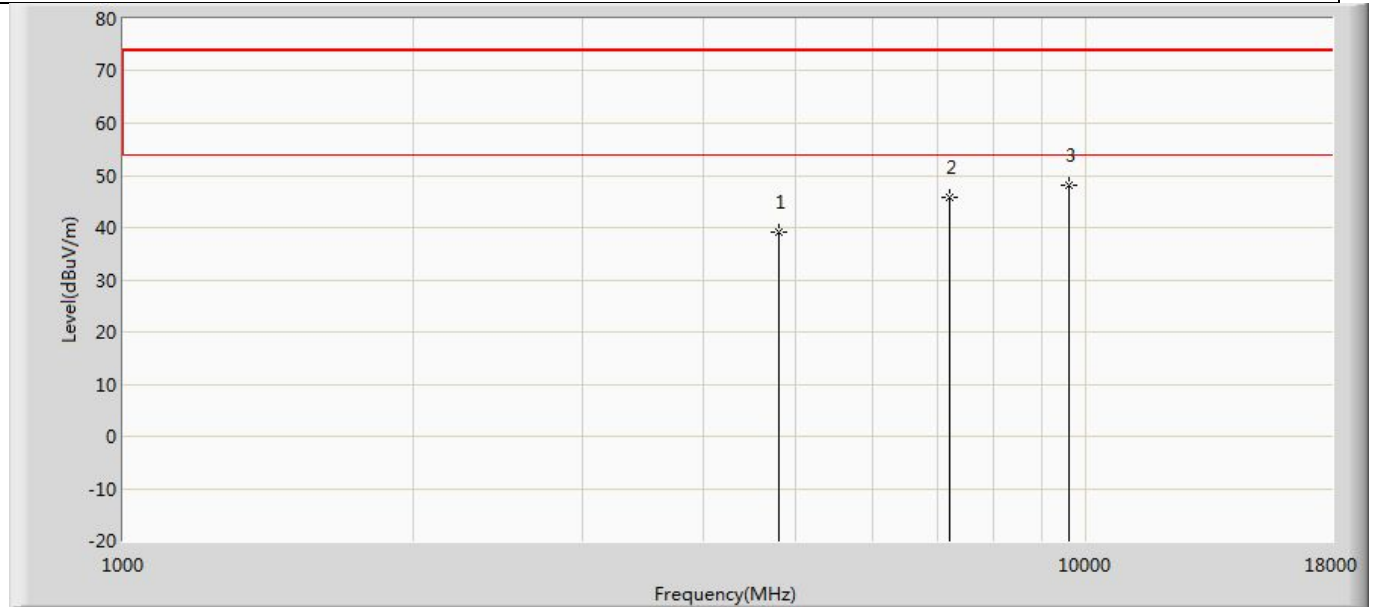
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.337	54.488	-33.663	74.000	-14.151	PK
2		7440.000	44.111	53.473	-29.889	74.000	-9.362	PK
3	*	9920.000	46.756	51.668	-27.244	74.000	-4.913	PK

Profile: 2320237R	Page No.: 43
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED Lamp	Power: 12Vac
Note: Mode 4 : Transmit at 2402MHz by LE_Coded S=8	



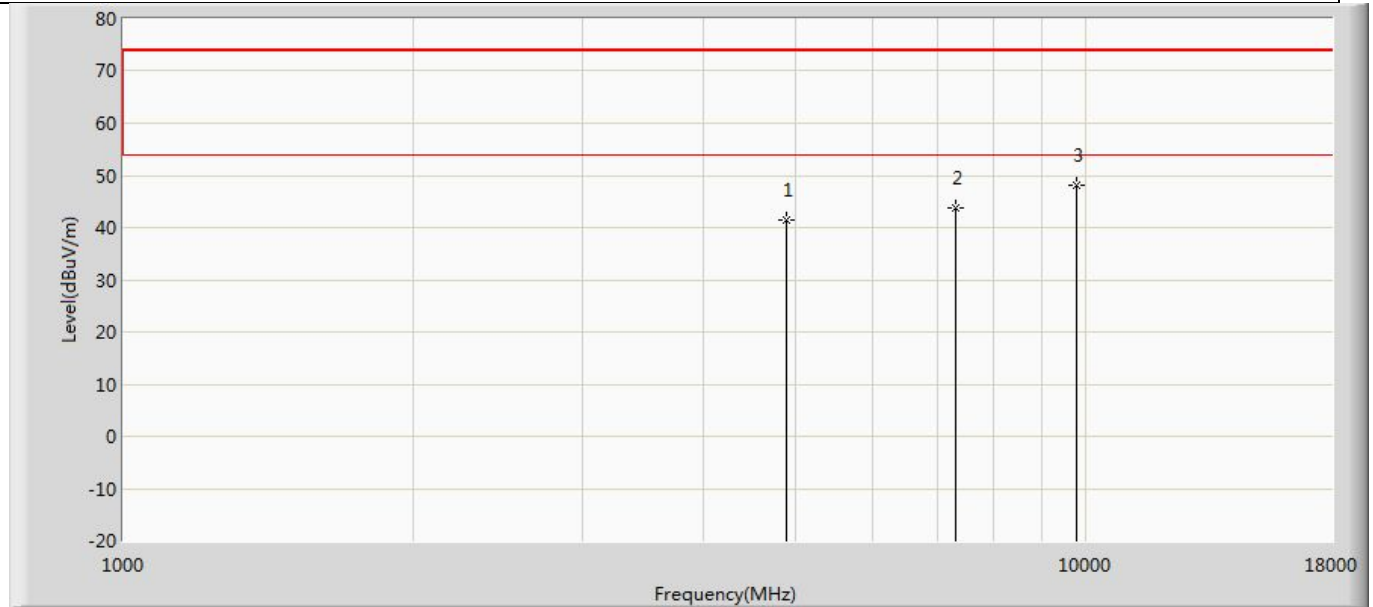
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	41.049	55.716	-32.951	74.000	-14.667	PK
2		7206.000	46.282	55.998	-27.718	74.000	-9.716	PK
3	*	9608.000	49.356	54.991	-24.644	74.000	-5.635	PK

Profile: 2320237R	Page No.: 44
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED Lamp	Power: 12Vac
Note: Mode 4 : Transmit at 2402MHz by LE_Coded S=8	



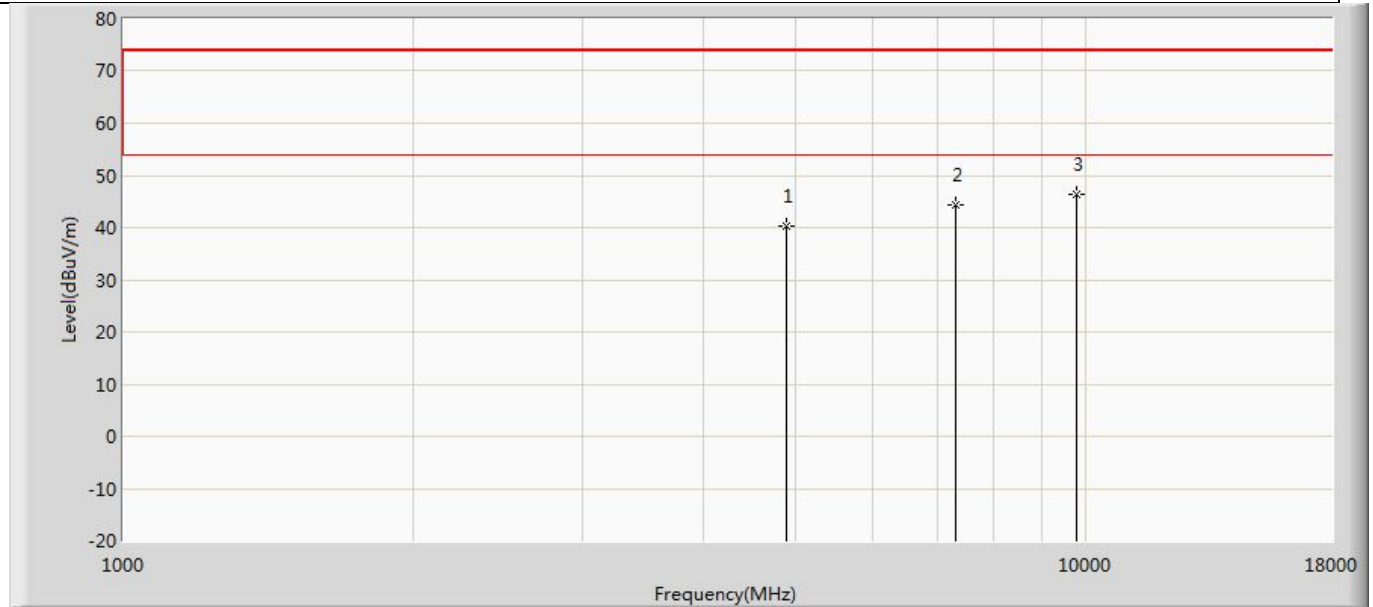
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	38.986	53.653	-35.014	74.000	-14.667	PK
2		7206.000	45.772	55.488	-28.228	74.000	-9.716	PK
3	*	9608.000	48.040	53.675	-25.960	74.000	-5.635	PK

Profile: 2320237R	Page No.: 45
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED Lamp	Power: 12Vac
Note: Mode 4 : Transmit at 2440MHz by LE_Coded S=8	



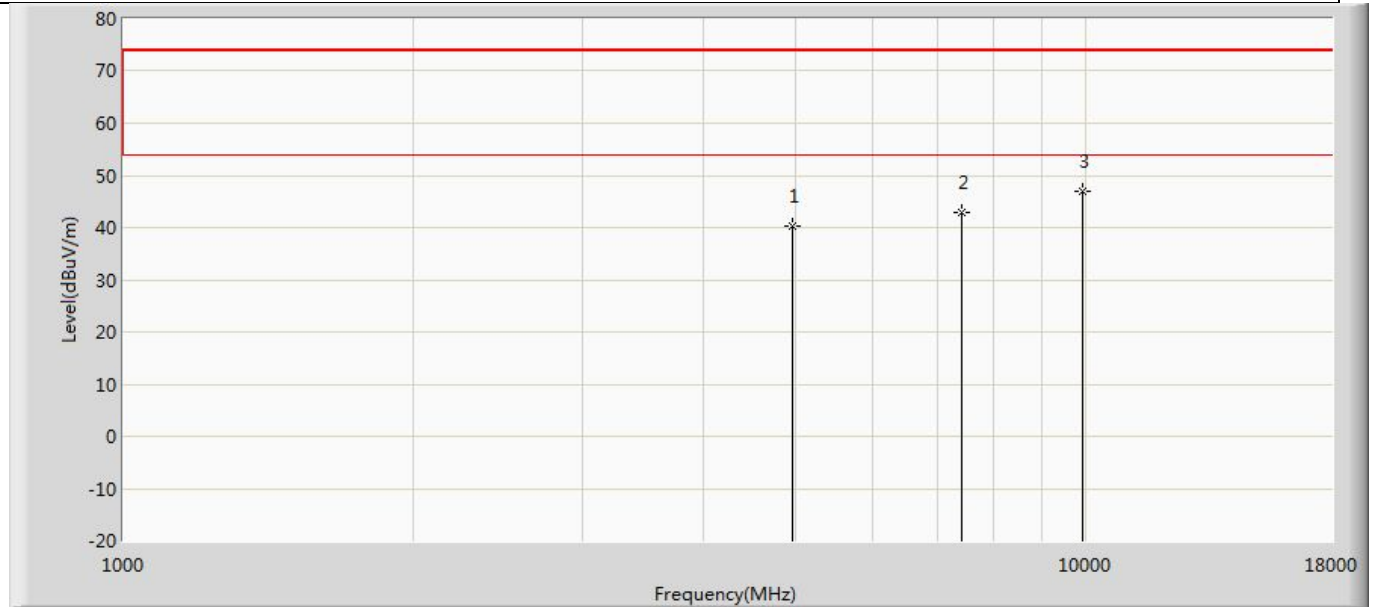
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	41.422	55.716	-32.578	74.000	-14.294	PK
2		7320.000	43.665	53.397	-30.335	74.000	-9.732	PK
3	*	9760.000	48.013	53.564	-25.987	74.000	-5.550	PK

Profile: 2320237R	Page No.: 46
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED Lamp	Power: 12Vac
Note: Mode 4 : Transmit at 2440MHz by LE_Coded S=8	



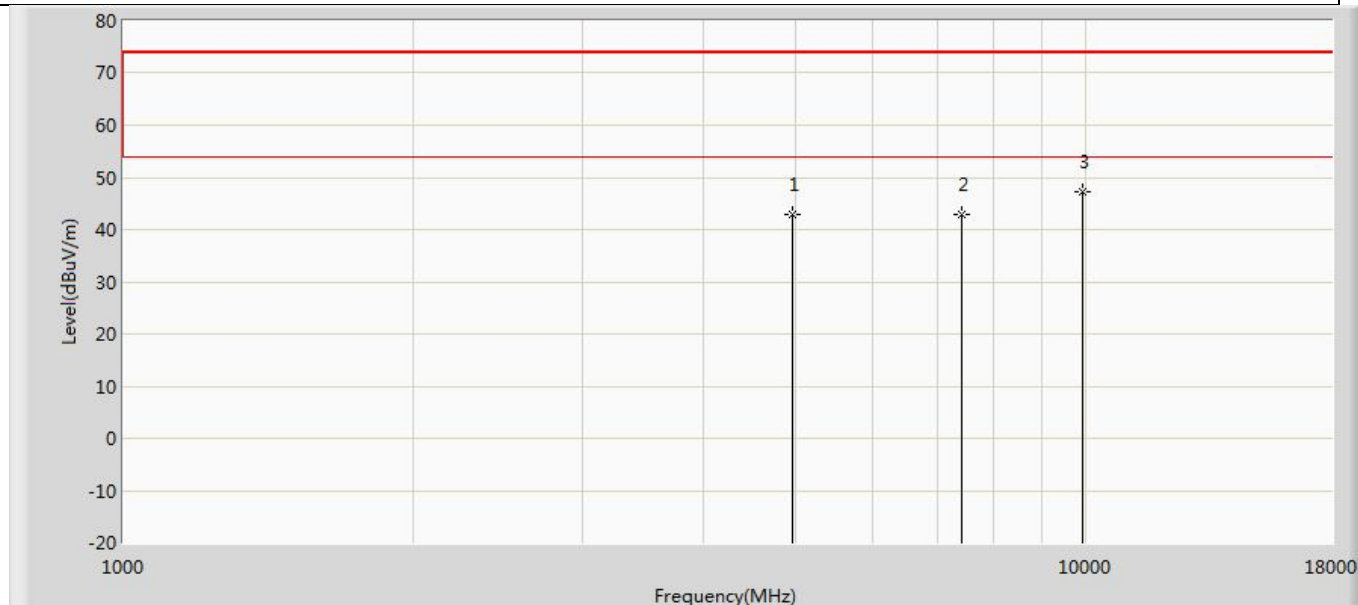
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	40.252	54.546	-33.748	74.000	-14.294	PK
2		7320.000	44.213	53.945	-29.787	74.000	-9.732	PK
3	*	9760.000	46.325	51.876	-27.675	74.000	-5.550	PK

Profile: 2320237R	Page No.: 47
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED Lamp	Power: 12Vac
Note: Mode 4 : Transmit at 2480MHz by LE_Coded S=8	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	40.254	54.405	-33.746	74.000	-14.151	PK
2		7440.000	42.770	52.132	-31.230	74.000	-9.362	PK
3	*	9920.000	46.935	51.847	-27.065	74.000	-4.913	PK

Profile: 2320237R	Page No.: 48
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 22:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED Lamp	Power: 12Vac
Note: Mode 4 : Transmit at 2480MHz by LE_Coded S=8	



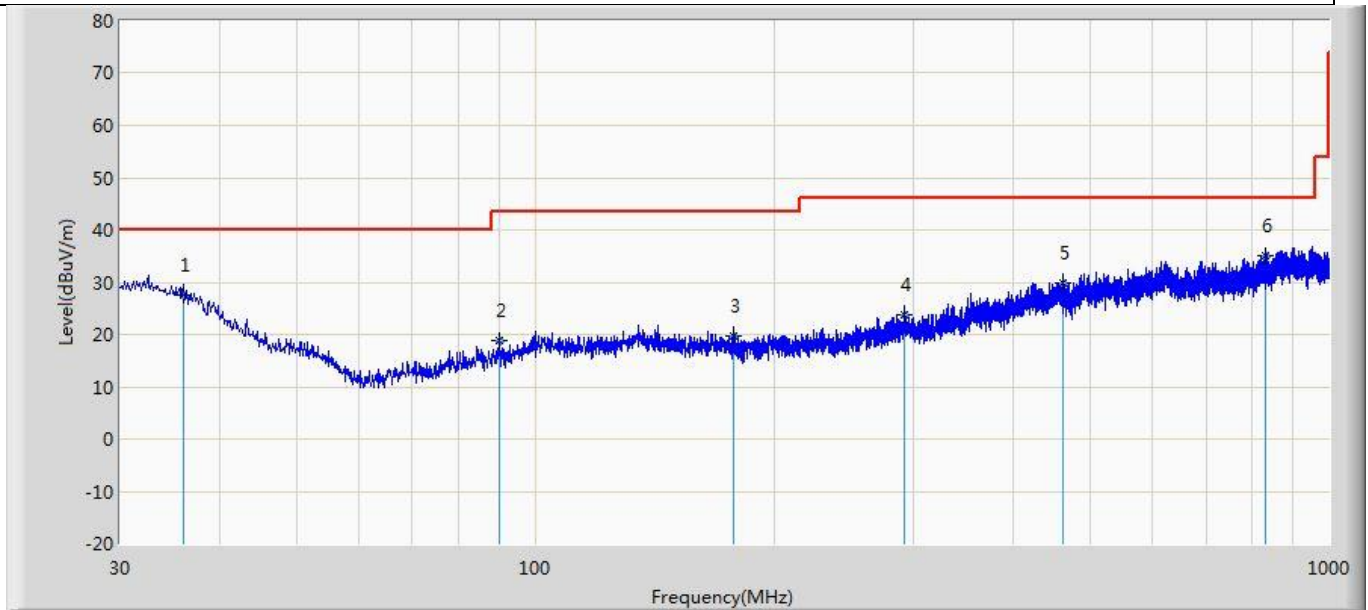
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	42.877	57.028	-31.123	74.000	-14.151	PK
2		7440.000	42.935	52.297	-31.065	74.000	-9.362	PK
3	*	9920.000	47.256	52.168	-26.744	74.000	-4.913	PK

Note:

1. " * ", means this data is the worst emission level.
2. Measured Level = Reading Level + Factor.
3. The test frequency range 9kHz~30MHz and above 18GHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
4. This limit applies for both peak and average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
5. The points in graph are the highest data in test frequency range.

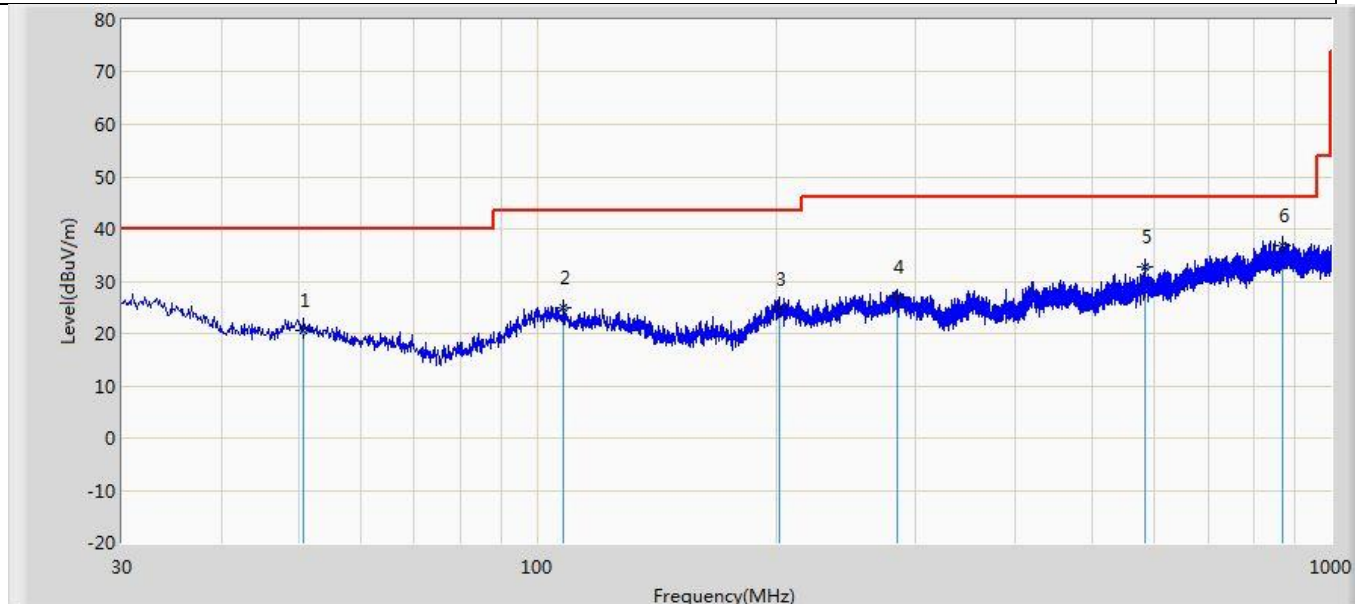
The worst case of Radiated Emission below 1GHz:

Profile: 2320237R	Page No.: 1
Engineer: Yu Liu	
Site: AC2	Time: 2023/02/21 - 20:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC2_3M(30-1000M)	Polarity: Horizontal
EUT: LED Lamp	Power: 12Vac
Note: Mode 4: Transmit at 2480MHz by LE_Coded S=8	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		36.062	27.607	1.581	-12.393	40.000	26.026	QP
2		90.261	18.833	5.235	-24.667	43.500	13.599	QP
3		177.682	19.855	3.049	-23.645	43.500	16.806	QP
4		291.900	23.864	3.257	-22.136	46.000	20.607	QP
5		463.348	29.930	2.790	-16.070	46.000	27.140	QP
6	*	832.554	34.941	3.440	-11.059	46.000	31.501	QP

Profile: 2320237R	Page No.: 2
Engineer: Yu Liu	
Site: AC2	Time: 2023/02/21 - 20:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC2_3M(30-1000M)	Polarity: Vertical
EUT: LED Lamp	Power: 12Vac
Note: Mode 4: Transmit at 2480MHz by LE_Coded S=8	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		50.855	20.638	1.394	-19.362	40.000	19.244	QP
2		107.964	24.861	3.345	-18.639	43.500	21.516	QP
3		201.569	24.624	1.136	-18.876	43.500	23.488	QP
4		284.261	26.940	1.779	-19.060	46.000	25.161	QP
5		583.385	32.827	5.139	-13.173	46.000	27.687	QP
6	*	868.201	36.920	3.942	-9.080	46.000	32.978	QP

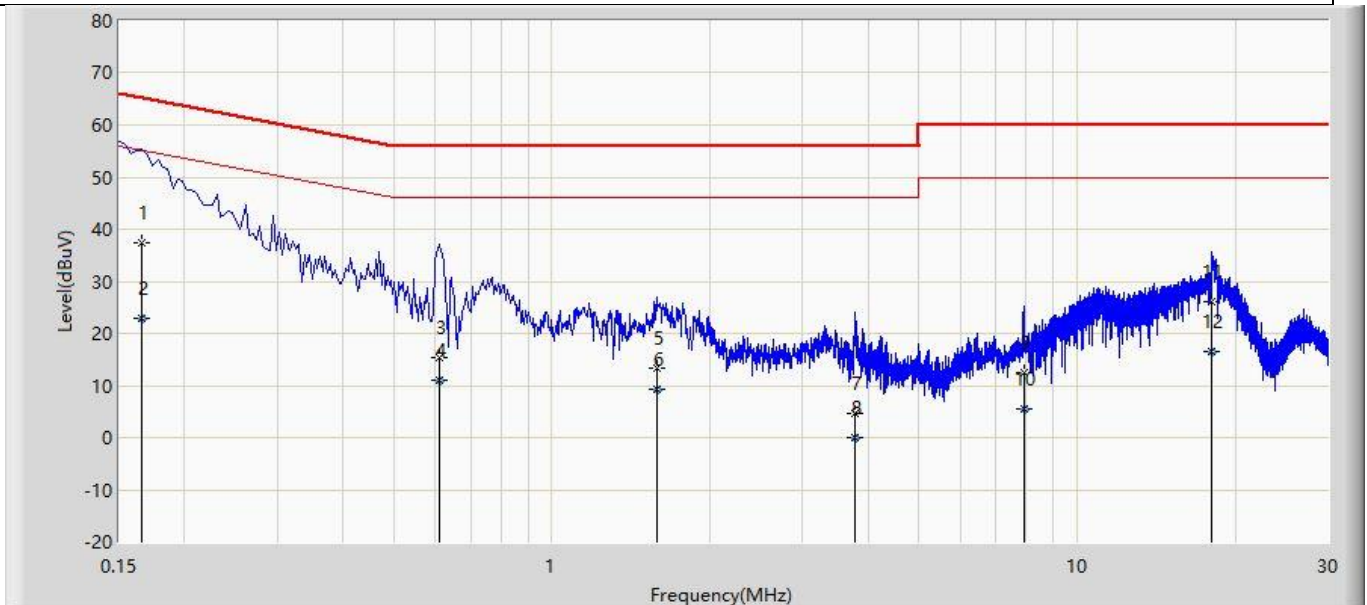
Note:

1. " * ", means this data is the worst emission level.
2. Measured Level = Reading Level + Factor.
3. The test frequency range 9kHz~30MHz and above 18GHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
4. This limit applies for both peak and average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

Appendix I: AC Power Line Conducted Emission

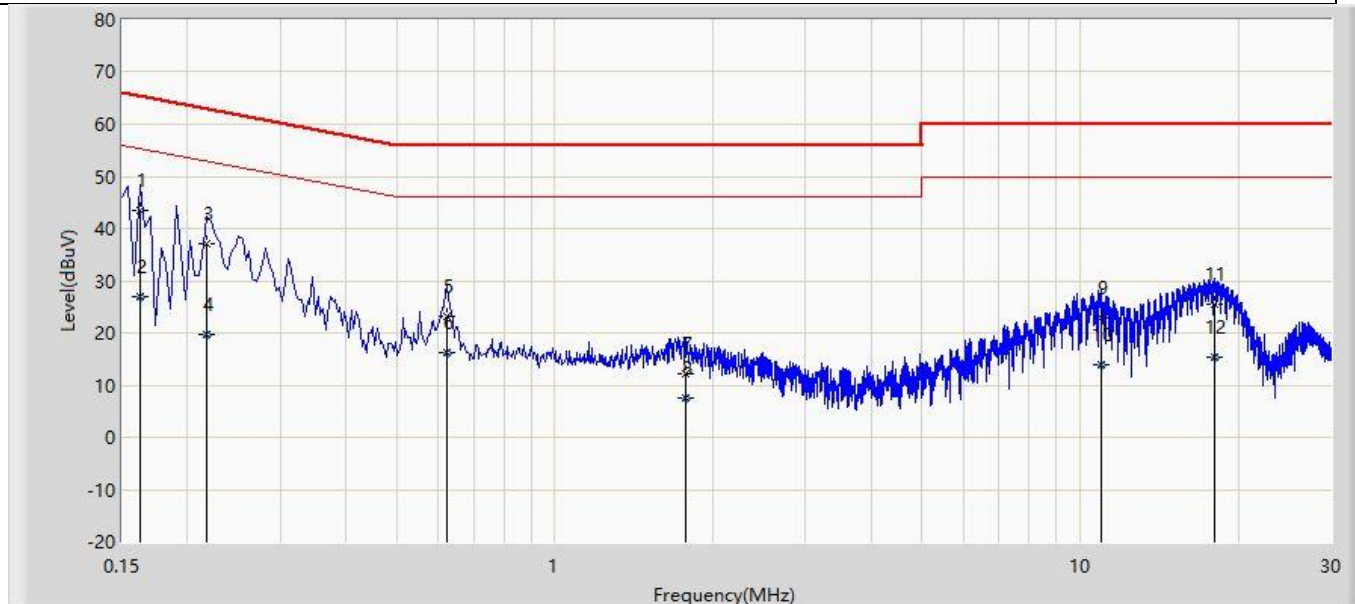
Test Result

Profile: 2320237R	Page No.: 141
Engineer: Pengcheng Yang	
Site: TR1	Time: 2023/02/21 - 20:09
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Neutral
EUT: LED Lamp	Power: 12Vac
Note: Mode 1: Transmit at 2480MHz by LE_1Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.166	37.311	27.739	-27.847	65.158	9.572	QP
2		0.166	22.853	13.280	-32.306	55.158	9.572	AV
3		0.610	15.483	5.855	-40.517	56.000	9.629	QP
4		0.610	10.978	1.349	-35.022	46.000	9.629	AV
5		1.582	13.226	3.563	-42.774	56.000	9.664	QP
6		1.582	9.276	-0.387	-36.724	46.000	9.664	AV
7		3.766	4.501	-5.262	-51.499	56.000	9.762	QP
8		3.766	-0.121	-9.884	-46.121	46.000	9.762	AV
9		7.910	12.419	2.487	-47.581	60.000	9.932	QP
10		7.910	5.582	-4.350	-44.418	50.000	9.932	AV
11		18.054	26.165	15.944	-33.835	60.000	10.222	QP
12		18.054	16.465	6.243	-33.535	50.000	10.222	AV

Profile: 2320237R	Page No.: 142
Engineer: Pengcheng Yang	
Site: TR1	Time: 2023/02/21 - 20:19
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: LED Lamp	Power: 12Vac
Note: Mode 1: Transmit at 2480MHz by LE_1Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1	*	0.162	43.382	33.801	-21.979	65.361	9.582	QP
2		0.162	27.010	17.429	-28.351	55.361	9.582	AV
3		0.218	37.223	27.634	-25.672	62.895	9.589	QP
4		0.218	19.743	10.155	-33.151	52.895	9.589	AV
5		0.622	23.214	13.580	-32.786	56.000	9.633	QP
6		0.622	16.349	6.716	-29.651	46.000	9.633	AV
7		1.778	12.226	2.549	-43.774	56.000	9.676	QP
8		1.778	7.568	-2.108	-38.432	46.000	9.676	AV
9		10.950	22.898	12.866	-37.102	60.000	10.032	QP
10		10.950	13.903	3.871	-36.097	50.000	10.032	AV
11		17.962	25.487	15.294	-34.513	60.000	10.193	QP
12		17.962	15.420	5.227	-34.580	50.000	10.193	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp). Test Photograph.

The End