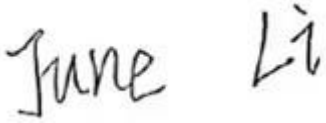
TEST REPORT

Application No.:	BTEK250512031A01-T01
Applicant:	Zhongshan Taozuo Electrical Technology Co., Ltd.
Address of Applicant:	3 /F, Building 4, No. 22, Fuqing 4th Road, Henglan Town, ZhongshanCity, Guangdong, China
Manufacturer:	Zhongshan Taozuo Electrical Technology Co., Ltd.
Address of Manufacturer:	3 /F, Building 4, No. 22, Fuqing 4th Road, Henglan Town, ZhongshanCity, Guangdong, China
Equipment Under Test (EUT):	
EUT Name:	Picture Light
Test Model.:	WPL-02
Adding Model(s):	WPL-01, WPL-03, WPL-04, WPL-05, WPL-06, WPL-07, WPL-08, WPL-09, WPL-10
Trade Mark:	/
FCC ID	2A745-WPL-02
Standard(s) :	47 CFR Part 15, Subpart B
Date of Receipt Sample(s):	2025-05-19
Date of Test:	2025-05-19 to 2025-05-22
Date of Issue:	2025-05-23
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Lion Cai/ Approved & Authorized
EMC Laboratory Manager

Revision Record			
Version	**Issue Date**	**Revisions**	**Remarks**
V0	2025-05-23	Initial	Valid

Authorized for issue by:				
				
		Zheng Zheng / File Editor		
				
		June Li /Reviewer		

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Test Summary

Emission Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions		ANSI C63.4:2014	Class B	Pass

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	Power by battery: DC 3.7V⎓5000mAh Input: AC 100-240V~ 10A Output: 5V⎓2A
Internal Source:	Above 108MHz
Model(s) Difference Statement	☐Single Model.
	☒Multi-Models: WPL-02, WPL-01, WPL-03, WPL-04, WPL-05, WPL-06, WPL-07, WPL-08, WPL-09, WPL-10 The models are just different in naming, the rest is the same.

4.2 Description of EUT Test Mode

Test Mode List		
Test Mode	Description	Remark
1	Charge mode+Lighting mode	Keep the EUT charging and LED lighting.
Remark:1.Only show the worst case in the test report		

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Adapter	HUAWEI	HW-100400C00	/
Black multifunction socket	/	SPS1002A/93	/

4.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at Mains Terminals (150kHz-30MHz)	± 2.9dB
Radiated Emissions (30MHz-1GHz)	± 6.28dB
Radiated Emissions (Above 1GHz)	± 4.7dB
Remark: The U_{lab} (lab Uncertainty) is less than U_{cispr} (CISPR Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.	

4.5 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.

A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Tel: +86 0755-2334 4200 Fax: +86 0755-2334 4200

No tests were sub-contracted.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

5 Equipment List

Conducted Emissions at AC Mains Power Port (150kHz-30MHz)					
Equipment	**Manufacturer**	**Model No**	**Serial No.**	**Cal Date**	**Cal Due Date**
Shielding Room	YIHENG ENECTRONIC	9*5*3.3	YH-BT-220304-04	2025-02-15	2028-02-14
EMI Test Receiver	Rohde&Schwarz	ESCI3	100694	2024-06-11	2025-06-10
Pulse Limiter	Schwarzbeck	VTSD 9561 F-N	00890	2024-06-11	2025-06-10
Measurement Software	Fara	EZ_EMC Ver. FA-03A2	N/A	N/A	N/A
LISN	Rohde&Schwarz	ENV216	101472	2024-06-11	2025-06-10
LISN	Schwarzbeck	NSLK 8128	05127	2024-06-11	2025-06-10

Radiated Emissions (30MHz-1GHz)					
Equipment	**Manufacturer**	**Model No**	**Serial No**	**Cal Date**	**Cal Due Date**
3m Semi-Anechoic Chamber	YIHENG ENECTRONIC	966	YH-BT-220304-01	2025-02-15	2028-02-14
EMI Test Receiver	Rohde&Schwarz	ESCI7	100503	2024-06-11	2025-06-10
TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	01324	2024-06-15	2025-06-14
Pre-Amplifier	Schwarzbeck	BBV 9745	#180	2024-06-11	2025-06-10
Measurement Software	Fara	EZ_EMC Ver. FA-03A2	N/A	N/A	N/A

Radiated Emissions					
Equipment	**Manufacturer**	**Model No**	**Serial No**	**Cal Date**	**Cal Due Date**
3m Semi-Anechoic Chamber	YIHENG ENECTRONIC	966	YH-BT-220304-01	2025-02-15	2028-02-14
EMI Test Receiver	Rohde&Schwarz	ESCI	100694	2024-06-11	2025-06-10
TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	01324	2024-06-16	2025-06-15
Pre-Amplifier	Schwarzbeck	BBV 9745	#180	2024-06-11	2025-06-10
Measurement Software	Fara	EZ_EMC Ver. FA-03A2	N/A	2024-06-11	2025-06-10
EXA Signal Analyzer	Keysight	N9020A	MY54440290	2024-06-11	2025-06-10
Horn Antenna	Schwarzbeck	BBHA 9120D	02695	2024-06-15	2025-06-14
Pre-Amplifier	Tonscend	TAP0118045	AP20K806109	2024-06-11	2025-06-10

6 Emission Test Results

6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

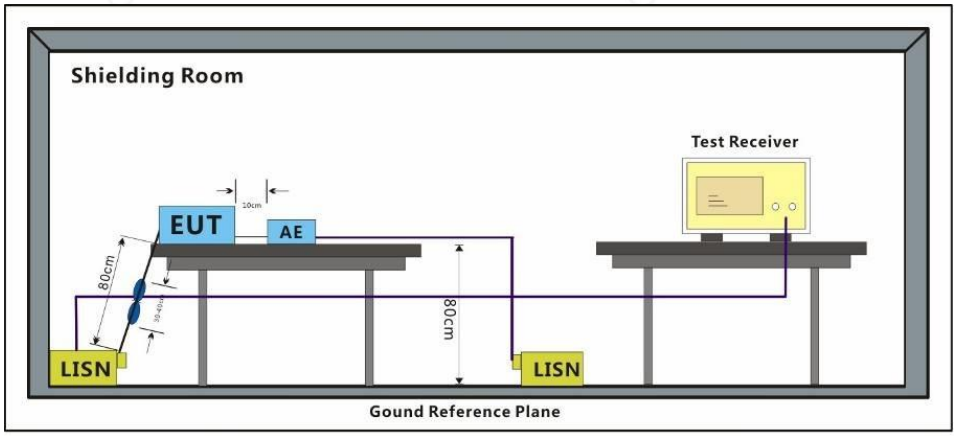
Test Requirement: 47 CFR Part 15, Subpart B
Test Method: ANSI C63.4:2014
Limit:

0.15M-0.5MHz	66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average
0.5M-5MHz	56dB(μV) quasi-peak, 46dB(μV) average
5M-30MHz	60dB(μV) quasi-peak, 50dB(μV) average
Detector:	Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

6.1.1 E.U.T. Operation

Operating Environment:
Temperature: 24 °C Humidity: 54 % RH Atmospheric Pressure: 1010 mbar

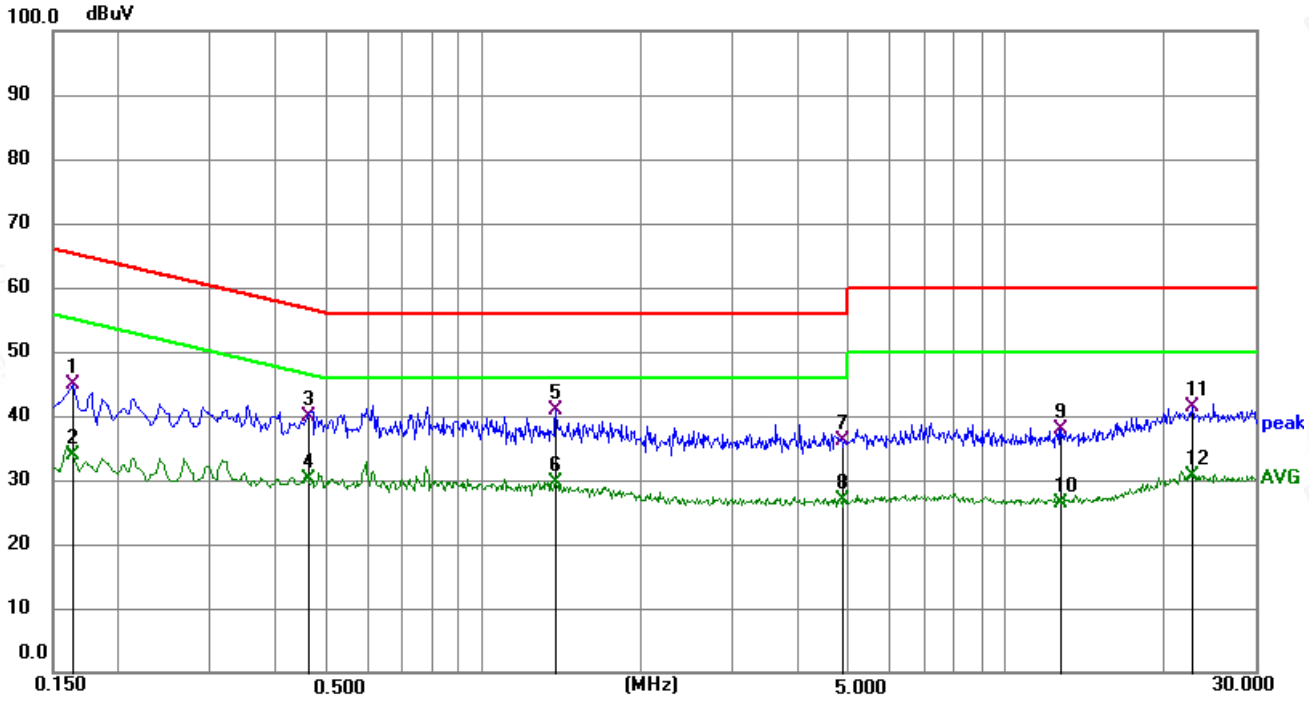
6.1.2 Test Setup Diagram



6.1.3 Measurement Procedure and Data

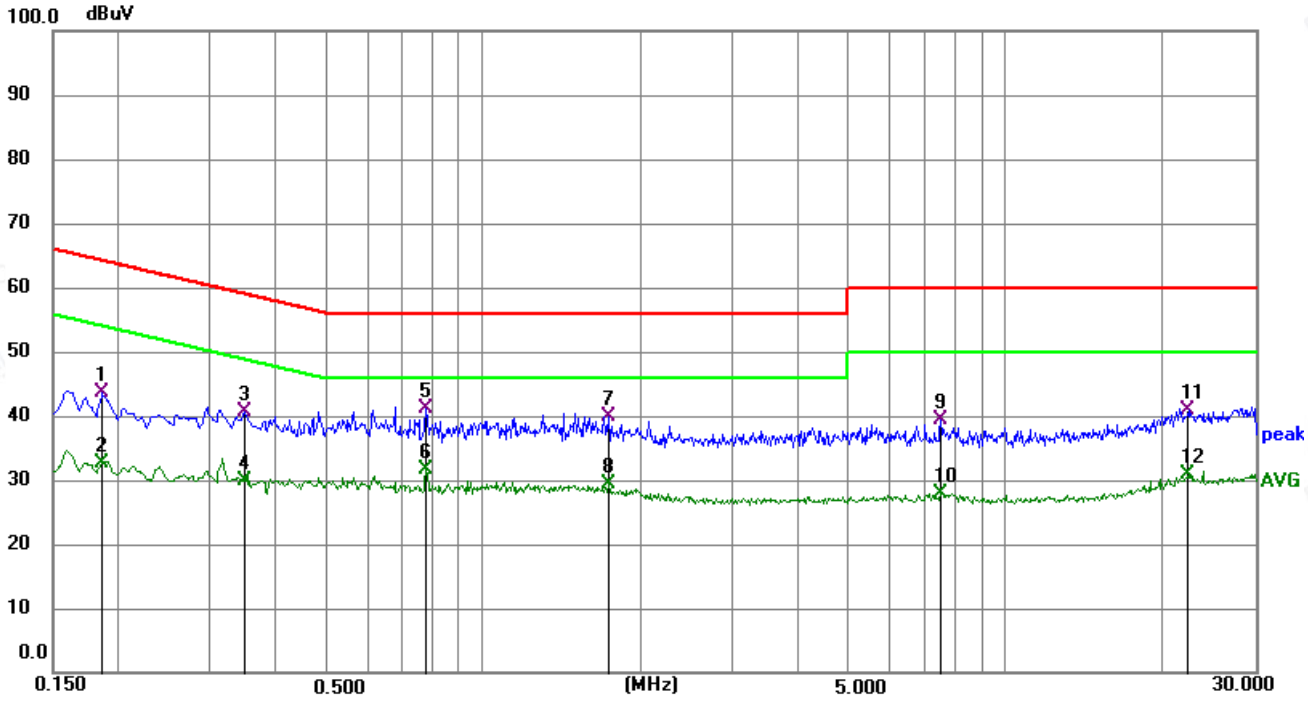
An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.
Remark: Level= Reading Level + Factor

Test mode:	1	Polarity:	Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1635	24.93	19.91	44.84	65.28	-20.44	QP	P	
2	0.1635	13.88	19.91	33.79	55.28	-21.49	AVG	P	
3	0.4605	20.05	19.95	40.00	56.68	-16.68	QP	P	
4	0.4605	10.25	19.95	30.20	46.68	-16.48	AVG	P	
5 *	1.3785	20.65	20.11	40.76	56.00	-15.24	QP	P	
6	1.3785	9.53	20.11	29.64	46.00	-16.36	AVG	P	
7	4.9064	15.91	20.30	36.21	56.00	-19.79	QP	P	
8	4.9064	6.47	20.30	26.77	46.00	-19.23	AVG	P	
9	12.7590	17.16	20.72	37.88	60.00	-22.12	QP	P	
10	12.7590	5.65	20.72	26.37	50.00	-23.63	AVG	P	
11	22.7535	19.16	22.19	41.35	60.00	-18.65	QP	P	
12	22.7535	8.52	22.19	30.71	50.00	-19.29	AVG	P	

Test mode:	1	Polarity:	Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1860	23.76	19.86	43.62	64.21	-20.59	QP	P	
2	0.1860	12.89	19.86	32.75	54.21	-21.46	AVG	P	
3	0.3480	20.71	19.89	40.60	59.01	-18.41	QP	P	
4	0.3480	9.88	19.89	29.77	49.01	-19.24	AVG	P	
5	0.7755	21.06	19.96	41.02	56.00	-14.98	QP	P	
6 *	0.7755	11.62	19.96	31.58	46.00	-14.42	AVG	P	
7	1.7430	19.74	20.16	39.90	56.00	-16.10	QP	P	
8	1.7430	9.17	20.16	29.33	46.00	-16.67	AVG	P	
9	7.4985	18.71	20.58	39.29	60.00	-20.71	QP	P	
10	7.4985	7.22	20.58	27.80	50.00	-22.20	AVG	P	
11	22.3799	18.82	22.07	40.89	60.00	-19.11	QP	P	
12	22.3799	8.69	22.07	30.76	50.00	-19.24	AVG	P	

6.2 Radiated Emissions

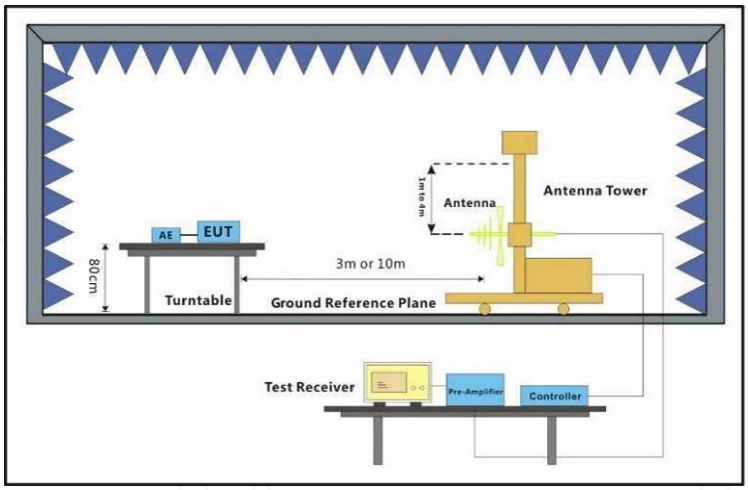
Test Requirement: 47 CFR Part 15, Subpart B
Test Method: ANSI C63.4:2014
Measurement Distance: 3m
Limit:

Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

6.2.1 E.U.T. Operation

Operating Environment:
Temperature: 23 °C Humidity: 55 % RH Atmospheric Pressure: 1010 mbar

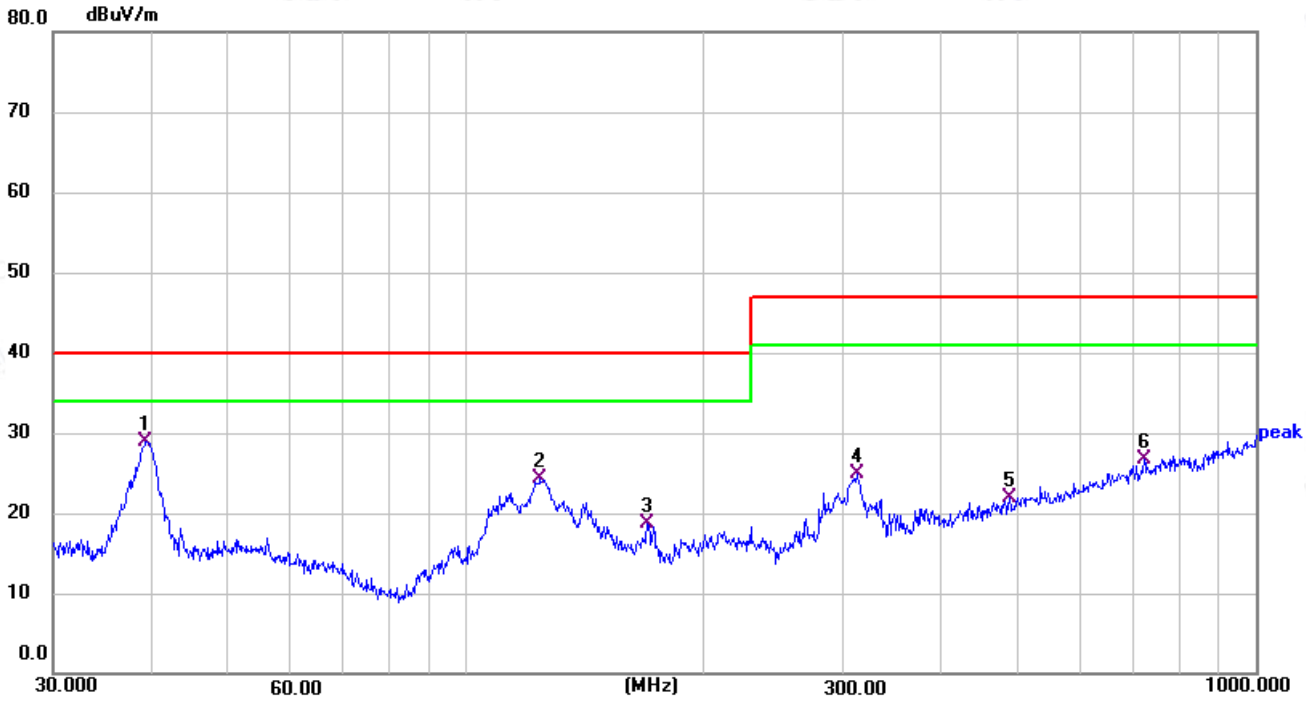
6.2.2 Test Setup Diagram



6.2.3 Measurement Procedure and Data

Remark: Level= Reading Level + Factor

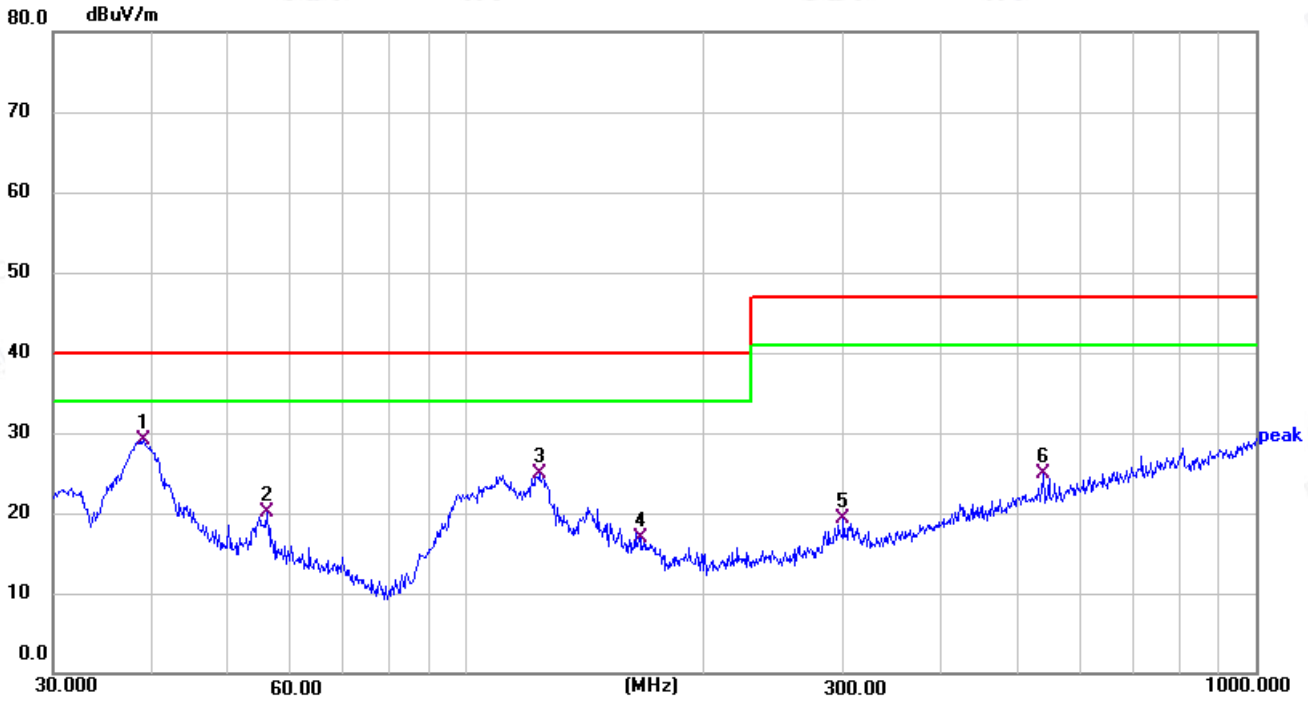
Test mode:	1	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	39.2991	40.55	-11.60	28.95	40.00	-11.05	QP	100	360	P	
2	124.1330	37.12	-12.76	24.36	40.00	-15.64	QP	100	360	P	
3	169.5990	30.05	-11.27	18.78	40.00	-21.22	QP	100	360	P	
4	312.1794	36.48	-11.54	24.94	47.00	-22.06	QP	100	360	P	
5	487.3151	29.04	-7.05	21.99	47.00	-25.01	QP	100	360	P	
6	721.7259	30.57	-3.81	26.76	47.00	-20.24	QP	100	360	P	

Below 1GHz

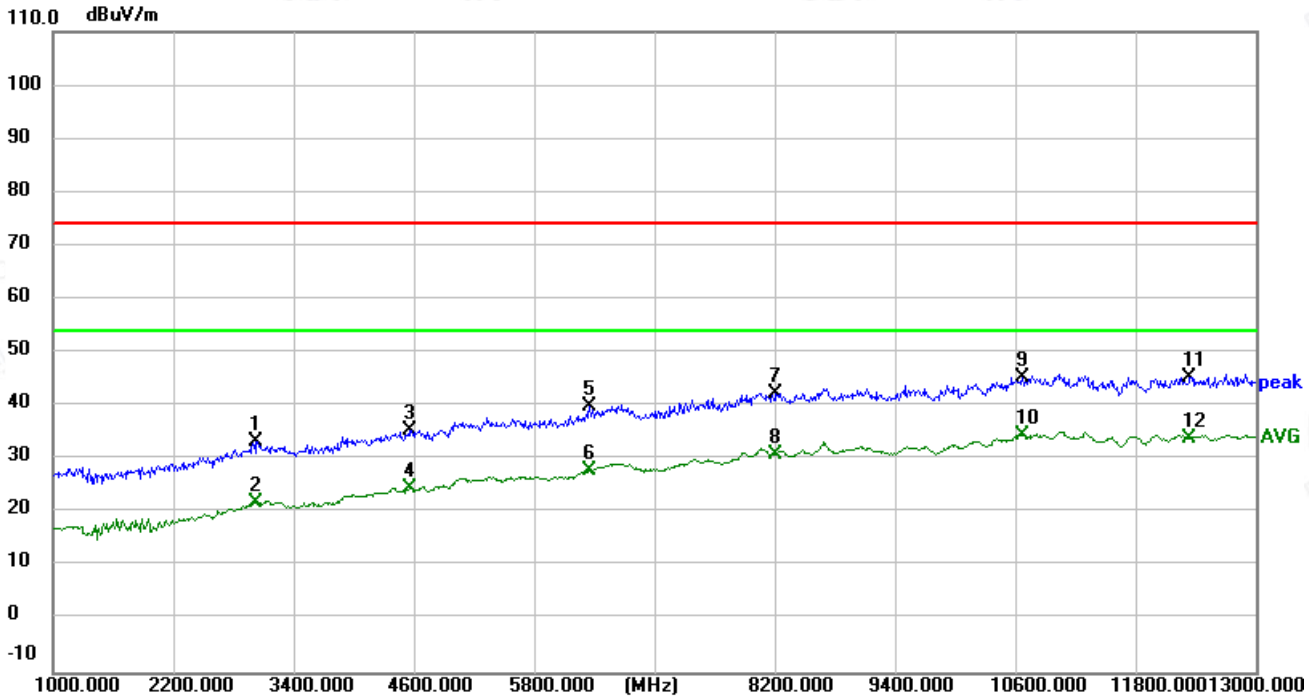
Test mode:	1	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	39.0245	40.76	-11.59	29.17	40.00	-10.83	QP	100	360	P	
2	56.0007	32.40	-12.36	20.04	40.00	-19.96	QP	100	360	P	
3	123.6985	37.73	-12.82	24.91	40.00	-15.09	QP	100	360	P	
4	166.0680	28.40	-11.50	16.90	40.00	-23.10	QP	100	360	P	
5	300.3672	31.13	-11.80	19.33	47.00	-27.67	QP	100	360	P	
6	537.5891	31.37	-6.40	24.97	47.00	-22.03	QP	100	360	P	

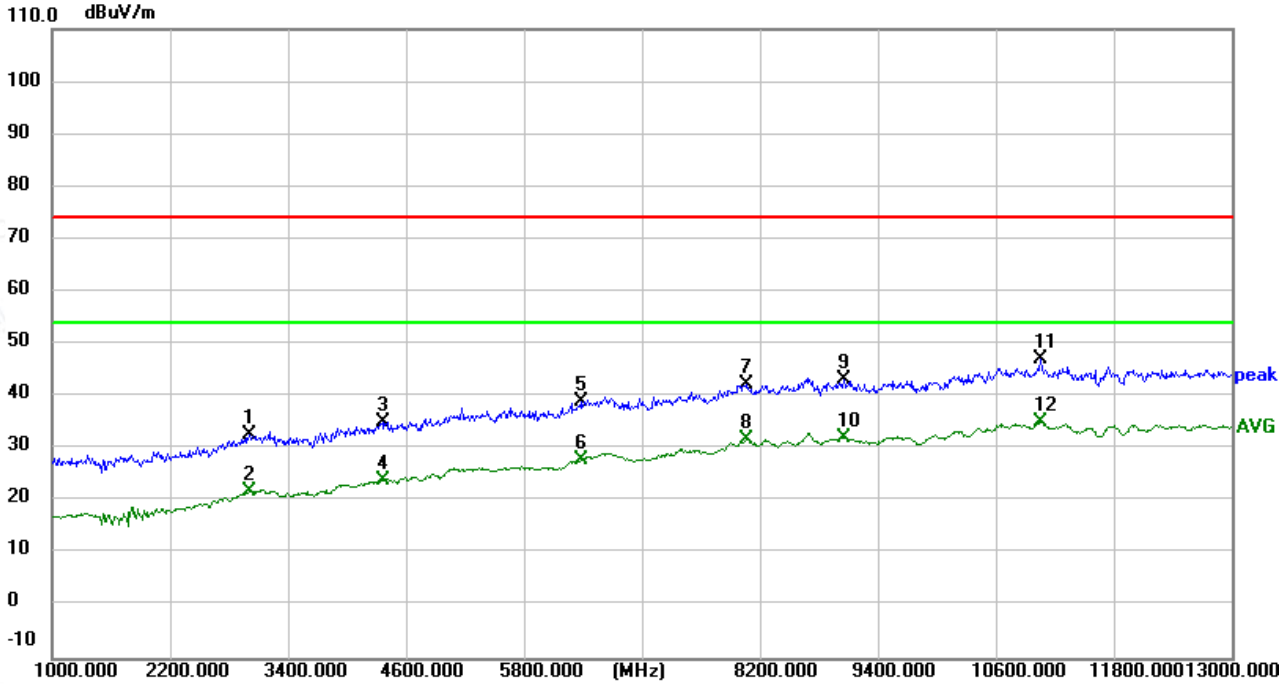
Above 1GHz

Test mode:	1	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	3028.000	53.37	-19.99	33.38	74.00	-40.62	peak	100	0	P	
2	3028.000	41.88	-19.99	21.89	54.00	-32.11	AVG	100	0	P	
3	4552.000	51.43	-15.97	35.46	74.00	-38.54	peak	100	0	P	
4	4552.000	40.74	-15.97	24.77	54.00	-29.23	AVG	100	0	P	
5	6352.000	51.46	-11.47	39.99	74.00	-34.01	peak	100	0	P	
6	6352.000	39.29	-11.47	27.82	54.00	-26.18	AVG	100	0	P	
7	8212.000	50.50	-8.06	42.44	74.00	-31.56	peak	100	0	P	
8	8212.000	39.10	-8.06	31.04	54.00	-22.96	AVG	100	0	P	
9	10672.000	49.27	-3.79	45.48	74.00	-28.52	peak	100	0	P	
10 *	10672.000	38.24	-3.79	34.45	54.00	-19.55	AVG	100	0	P	
11	12340.000	48.90	-3.47	45.43	74.00	-28.57	peak	100	0	P	
12	12340.000	37.56	-3.47	34.09	54.00	-19.91	AVG	100	0	P	

Test mode:	1	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	3004.000	52.81	-20.16	32.65	74.00	-41.35	peak	100	360	P	
2	3004.000	42.25	-20.16	22.09	54.00	-31.91	AVG	100	360	P	
3	4360.000	52.07	-16.88	35.19	74.00	-38.81	peak	100	360	P	
4	4360.000	40.98	-16.88	24.10	54.00	-29.90	AVG	100	360	P	
5	6388.000	50.41	-11.38	39.03	74.00	-34.97	peak	100	360	P	
6	6388.000	39.23	-11.38	27.85	54.00	-26.15	AVG	100	360	P	
7	8068.000	50.20	-7.73	42.47	74.00	-31.53	peak	100	360	P	
8	8068.000	39.68	-7.73	31.95	54.00	-22.05	AVG	100	360	P	
9	9052.000	49.56	-6.43	43.13	74.00	-30.87	peak	100	360	P	
10	9052.000	38.67	-6.43	32.24	54.00	-21.76	AVG	100	360	P	
11	11056.000	50.54	-3.42	47.12	74.00	-26.88	peak	100	360	P	
12 *	11056.000	38.49	-3.42	35.07	54.00	-18.93	AVG	100	360	P	

- End of the Report -