



Product Service

EMC TEST REPORT

Report Number : **68.760.13.382.01** Date of Issue: 22 August 2013

Model : LE2833, LE-D2802

Product Type : LED TV

Applicant : Wanlida Group Co., Ltd.

Address : No. 618, Jiahe Road, Wanlida Industry Zone, Xiamen, Fujian, China

Production Facility : Wanlida Group Co., Ltd.

Address : Wanlida Industry Zone, Nanjing, Fujian, China 363601

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including Appendices : 67

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2 Details about the Test Laboratory

Details about the Test Laboratory

Test Site 1

Company name: Jiangsu TÜV Product Service Ltd. Shenzhen Branch
6th Floor, H Hall,
Culture Creative Park,
No. 4001, Fuqiang Road,
Futian District 518048,
Shenzhen,P.R.C.

Telephone: 86 755 8828 6998

Fax: 86 755 8828 5299

Test Site 2

Company name: Waltek Services (Shenzhen) Co., Ltd.
1/F, Fukangtai Building, West Baima Rd,
Songgang Street, Baoan District,
ShenZhen, Guangdong,China.

Telephone: 86 755 8355 1033

Fax: 86 755 2355 2400

3 Description of the Equipment Under Test

Description of the Equipment Under Test

Product: LED TV

Model no.: LE2833

Serial number: NIL

Options and accessories: NIL

Rating: AC 100-120V, 40W

Description of the EUT: NIL

Auxiliary Equipment and Cable Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.(SHIELD)	S/N(LENGTH)
Computer	Acer	AG1720	1300148096
Keyboard	Shuangfeiyan	KB-3	--
Mouse	JEEJA	M-01	--
DVD player	Panasonic	DVD-S858	VC8SQ002056
U pad	Sandisk	--	--
Insertion Unit(75ohm/50ohm)	R&S	--	--
VGA cable	--	Unshield	1.20cm
HDMI cable	--	Unshield	1.20cm
TV generator	R&S	SFE	121193



Product Service

4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart B 10-1-12 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart B - Unintentional Radiators

5 Summary of Test Results

Technical Requirements					
FCC Part 15 Subpart B					
Test Condition	Pages	Test Site	Test Result		
			Pass	Fail	N/A
15.107 Conducted Emission AC Power Port	8	Site 2	☒	☐	☐
15.109 Spurious radiated emissions	22	Site 2	☒	☐	☐
15.111 Antenna conducted power	64	Site 2	☒	☐	☐

6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: SMFLE2833 filing to comply with Section 15.107, 15.109 and 15.111 of the FCC Part 15, Subpart B Rules.

Model no LE-D2802 has the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction with LE2833. The difference lies only in model name, brand of the different

models for the marketing business (LE2833: **LEGEND**, LE-D2802: **malata**). So EMC test is applied on LE2833, LE-D2802 is deemed to fulfill the requirement without further test.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: 14 August 2013

Testing Start Date: 15 August 2013

Testing End Date: 20 August 2013

- Jiangsu TÜV Product Service Ltd. – Shenzhen Branch -

Reviewed by:

Prepared by:

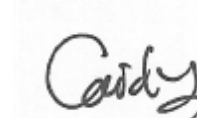
Tested by:



Ken Li
EMC Project Manager



Felix Li
EMC Project Engineer



Caidy Cai
EMC Test Engineer

7 Technical Requirement

7.1 Conducted Emission

Test Method

- 1 The EUT was placed on a table, which is 0.8m above ground plane
- 2 The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
- 3 Maximum procedure was performed to ensure EUT compliance
- 4 A EMI test receiver (R&S Test Receiver ESCS30) is used to test the emissions from both sides of AC line

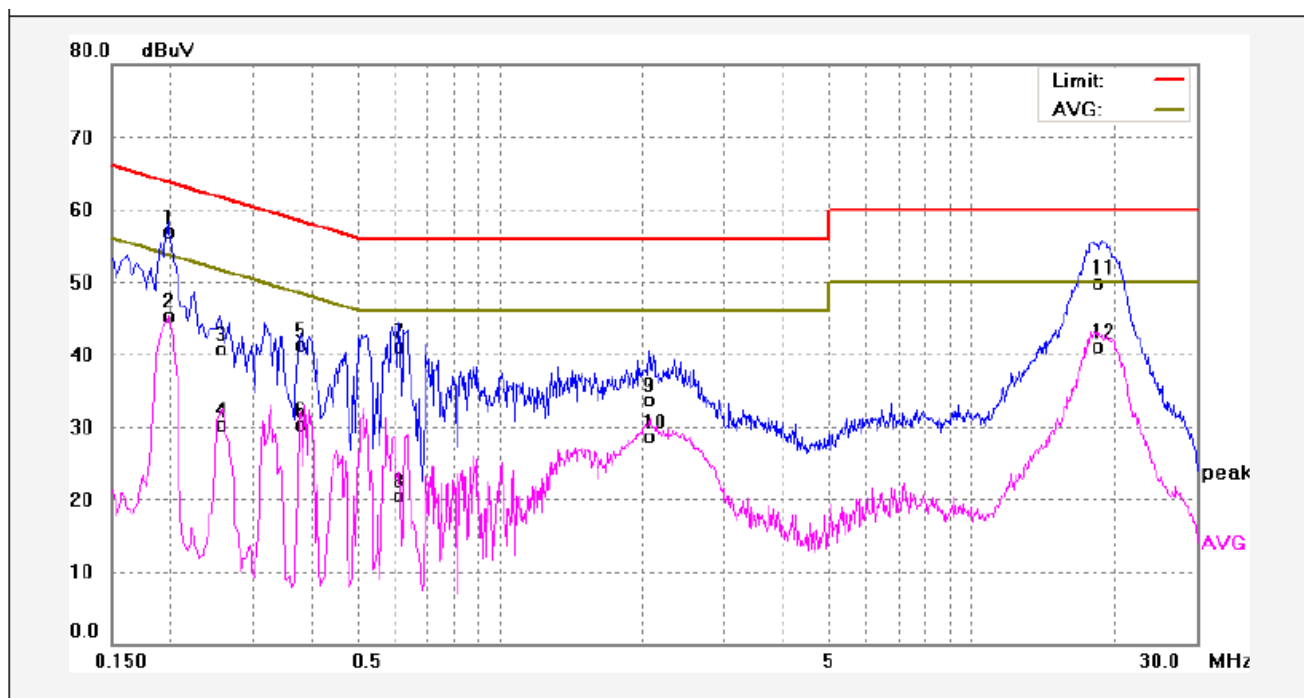
Limit

Frequency MHz	QP Limit dB μ V	AV Limit dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

*Decreasing linearly with logarithm of the frequency

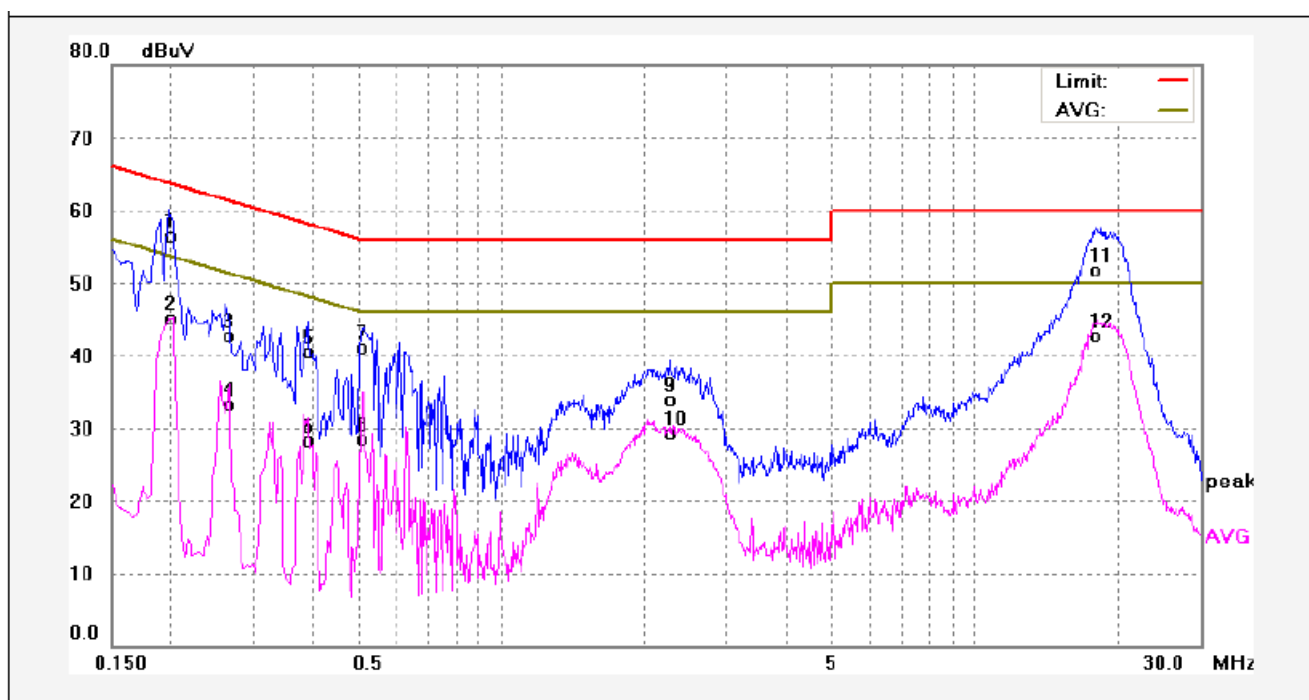
Conducted Emission

Product Type : LED TV
M/N : LE2833
Operating Condition : DTV
Test specification : Live
Comment : AC 120V/60Hz



Conducted Emission

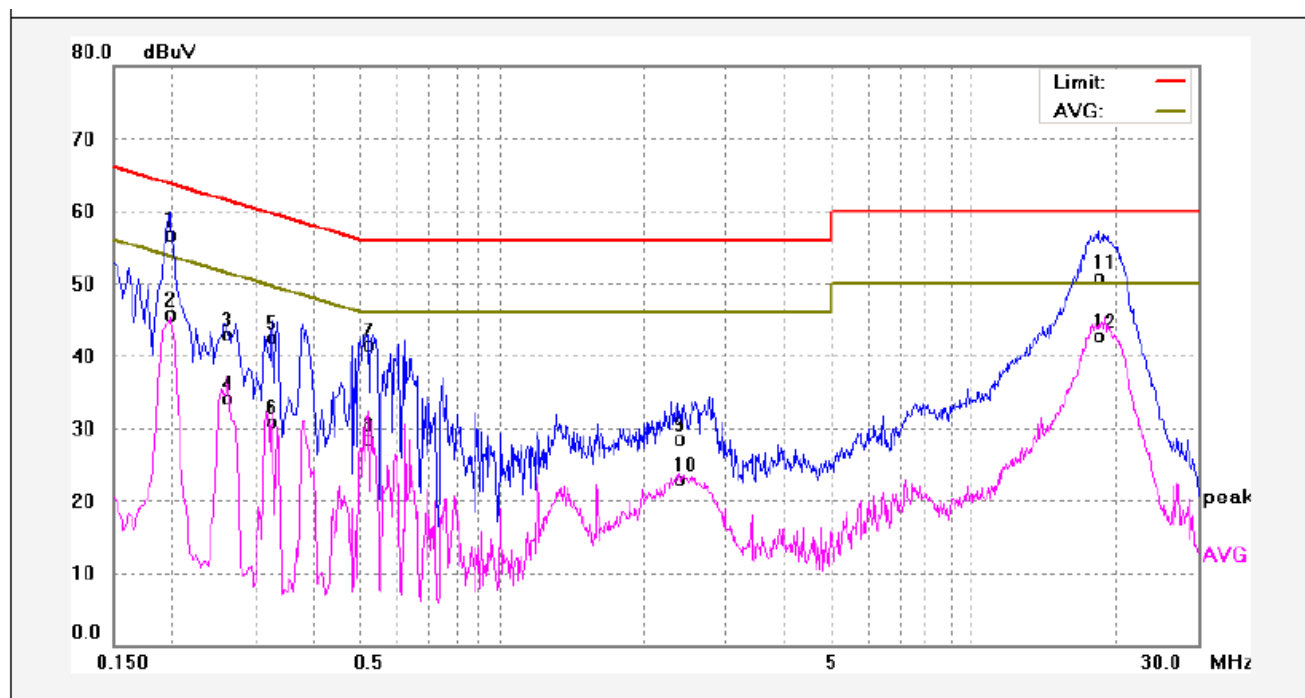
Product Type : LED TV
M/N : LE2833
Operating Condition : DTV
Test specification : Neutral
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1980	46.70	9.84	56.54	63.69	-7.15	QP	
2	0.1980	35.33	9.84	45.17	53.69	-8.52	AVG	
3	0.2620	32.80	9.86	42.66	61.36	-18.70	QP	
4	0.2620	23.35	9.86	33.21	51.36	-18.15	AVG	
5	0.3899	30.61	9.90	40.51	58.06	-17.55	QP	
6	0.3899	18.44	9.90	28.34	48.06	-19.72	AVG	
7	0.5140	31.20	9.93	41.13	56.00	-14.87	QP	
8	0.5140	18.58	9.93	28.51	46.00	-17.49	AVG	
9	2.2620	23.83	10.01	33.84	56.00	-22.16	QP	
10	2.2620	19.28	10.01	29.29	46.00	-16.71	AVG	
11	17.9900	40.62	11.08	51.70	60.00	-8.30	QP	
12	17.9900	31.71	11.08	42.79	50.00	-7.21	AVG	

Conducted Emission

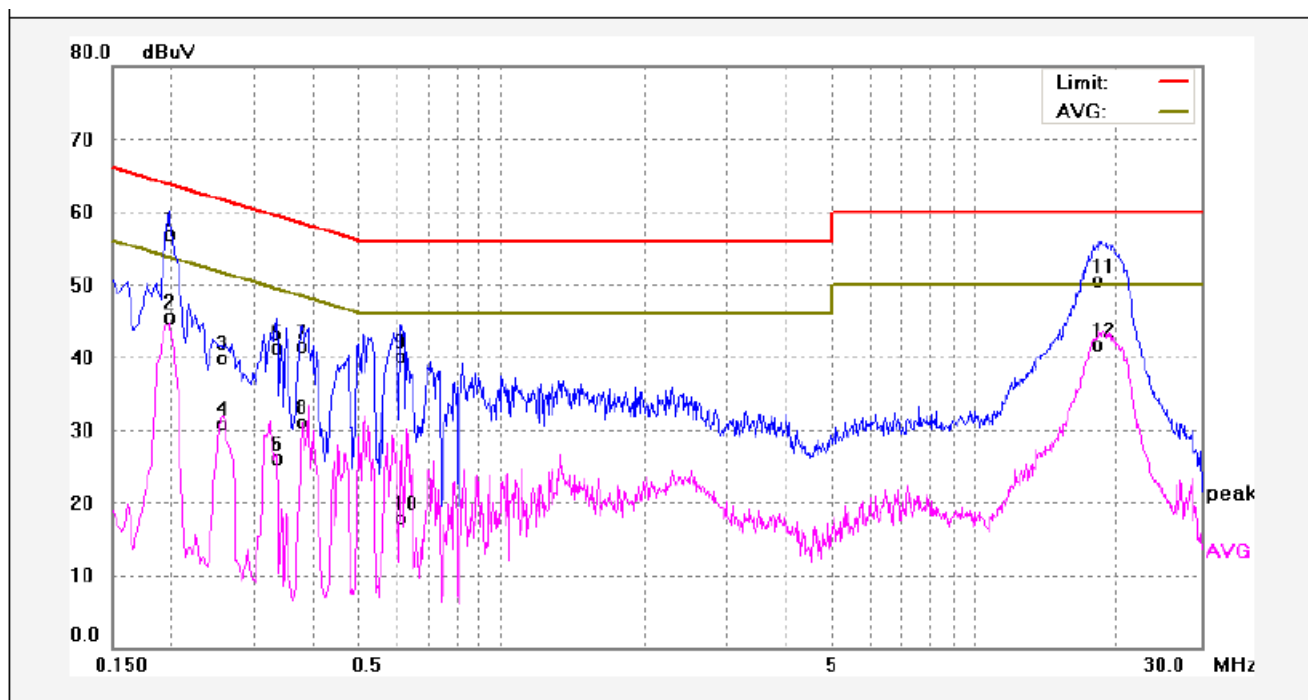
Product Type : LED TV
M/N : LE2833
Operating Condition : ATV
Test specification : Live
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1980	46.84	9.84	56.68	63.69	-7.01	QP	
2	0.1980	35.90	9.84	45.74	53.69	-7.95	AVG	
3	0.2580	33.11	9.86	42.97	61.49	-18.52	QP	
4	0.2580	24.24	9.86	34.10	51.49	-17.39	AVG	
5	0.3260	32.54	9.88	42.42	59.55	-17.13	QP	
6	0.3260	20.93	9.88	30.81	49.55	-18.74	AVG	
7	0.5220	31.60	9.93	41.53	56.00	-14.47	QP	
8	0.5220	18.48	9.93	28.41	46.00	-17.59	AVG	
9	2.3860	18.40	10.01	28.41	56.00	-27.59	QP	
10	2.3860	12.89	10.01	22.90	46.00	-23.10	AVG	
11	18.4980	39.80	11.11	50.91	60.00	-9.09	QP	
12	18.4980	31.56	11.11	42.67	50.00	-7.33	AVG	

Conducted Emission

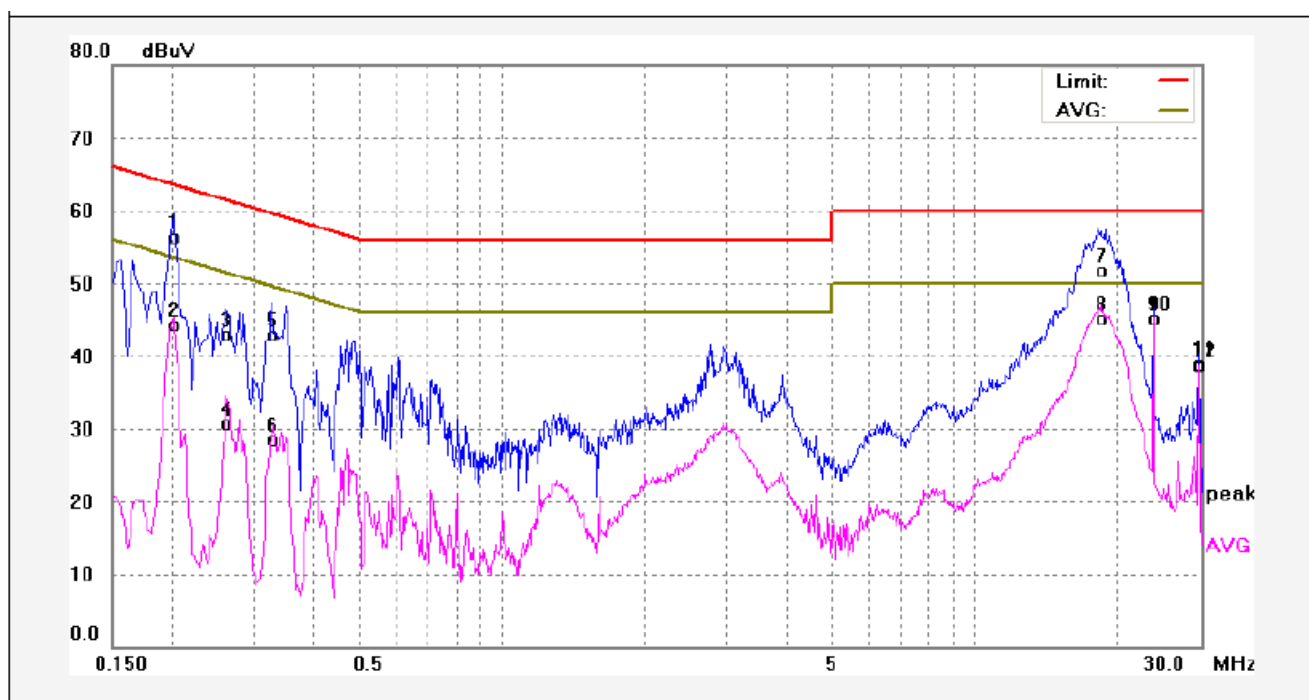
Product Type : LED TV
M/N : LE2833
Operating Condition : ATV
Test specification : Neutral
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1980	46.97	9.84	56.81	63.69	-6.88	QP	
2	0.1980	35.67	9.84	45.51	53.69	-8.18	AVG	
3	0.2580	30.06	9.86	39.92	61.49	-21.57	QP	
4	0.2580	20.97	9.86	30.83	51.49	-20.66	AVG	
5	0.3339	31.46	9.88	41.34	59.35	-18.01	QP	
6	0.3339	16.32	9.88	26.20	49.35	-23.15	AVG	
7	0.3780	31.68	9.89	41.57	58.32	-16.75	QP	
8	0.3780	21.14	9.89	31.03	48.32	-17.29	AVG	
9	0.6100	30.14	9.94	40.08	56.00	-15.92	QP	
10	0.6100	8.00	9.94	17.94	46.00	-28.06	AVG	
11	18.4020	39.38	11.10	50.48	60.00	-9.52	QP	
12	18.4020	30.60	11.10	41.70	50.00	-8.30	AVG	

Conducted Emission

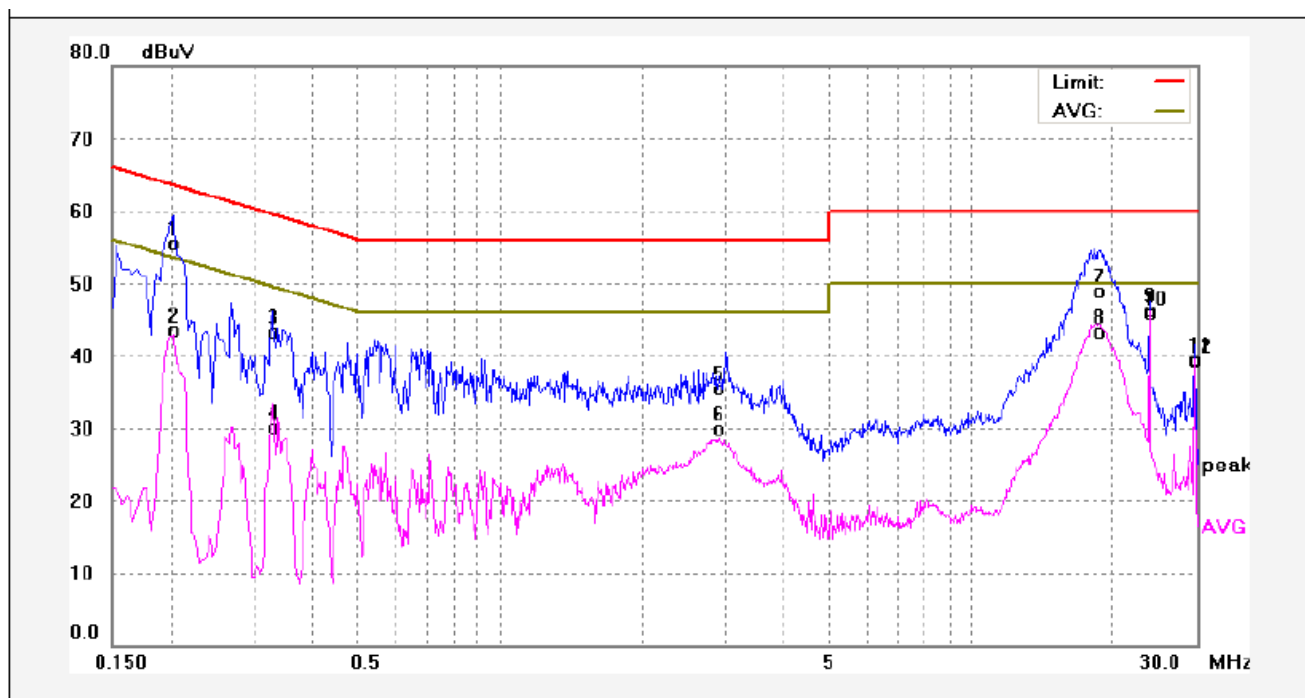
Product Type : LED TV
M/N : LE2833
Operating Condition : HDMI
Test specification : Live
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.2007	46.56	9.84	56.40	63.58	-7.18	QP	
2	0.2007	34.56	9.84	44.40	53.58	-9.18	AVG	
3	0.2620	33.04	9.86	42.90	61.36	-18.46	QP	
4	0.2620	20.81	9.86	30.67	51.36	-20.69	AVG	
5	0.3300	33.07	9.88	42.95	59.45	-16.50	QP	
6	0.3300	18.64	9.88	28.52	49.45	-20.93	AVG	
7	18.5220	40.50	11.11	51.61	60.00	-8.39	QP	
8	18.5220	34.05	11.11	45.16	50.00	-4.84	AVG	
9	23.8620	33.68	11.51	45.19	60.00	-14.81	QP	
10	23.8620	33.58	11.51	45.09	50.00	-4.91	AVG	
11	29.8260	26.58	12.29	38.87	60.00	-21.13	QP	
12	29.8260	26.44	12.29	38.73	50.00	-11.27	AVG	

Conducted Emission

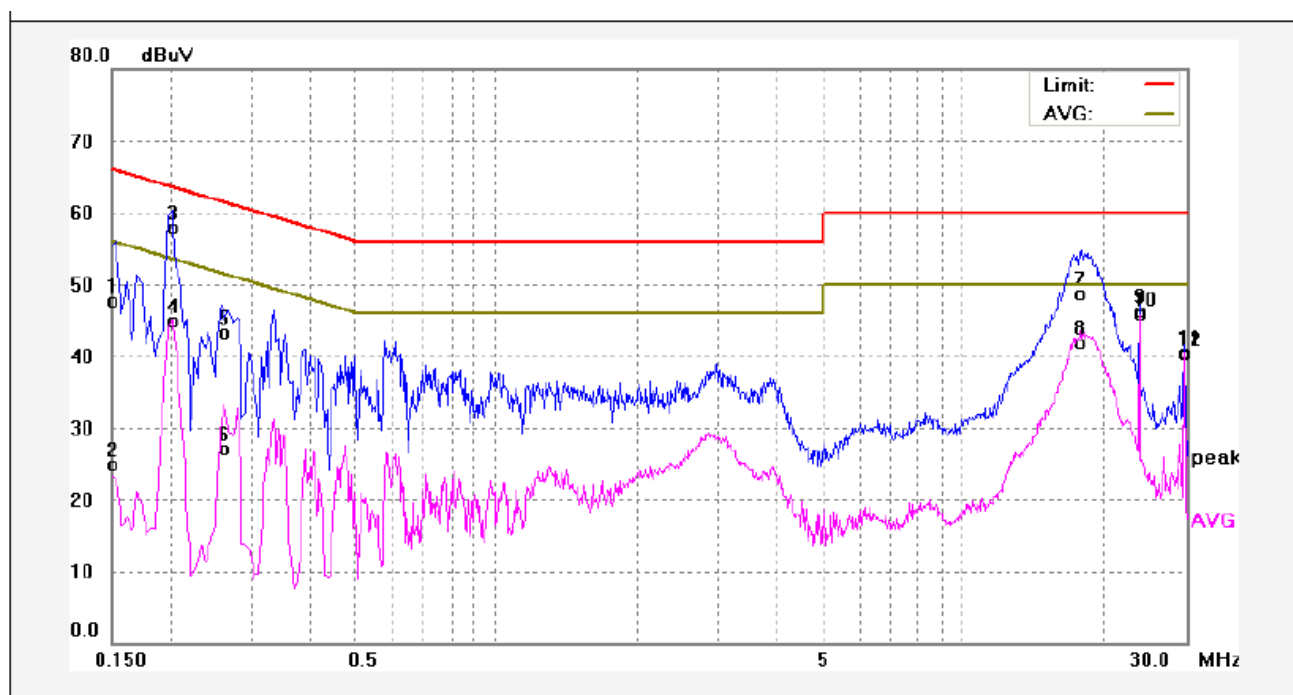
Product Type : LED TV
M/N : LE2833
Operating Condition : HDMI
Test specification : Neutral
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.2020	45.75	9.84	55.59	63.52	-7.93	QP	
2	0.2020	33.63	9.84	43.47	53.52	-10.05	AVG	
3	0.3300	33.34	9.88	43.22	59.45	-16.23	QP	
4	0.3300	20.29	9.88	30.17	49.45	-19.28	AVG	
5	2.9020	25.43	10.03	35.46	56.00	-20.54	QP	
6	2.9020	19.83	10.03	29.86	46.00	-16.14	AVG	
7	18.7020	37.77	11.12	48.89	60.00	-11.11	QP	
8	18.7020	32.14	11.12	43.26	50.00	-6.74	AVG	
9	23.8620	34.80	11.51	46.31	60.00	-13.69	QP	
10	23.8620	34.39	11.51	45.90	50.00	-4.10	AVG	
11	29.8260	27.31	12.29	39.60	60.00	-20.40	QP	
12	29.8260	27.11	12.29	39.40	50.00	-10.60	AVG	

Conducted Emission

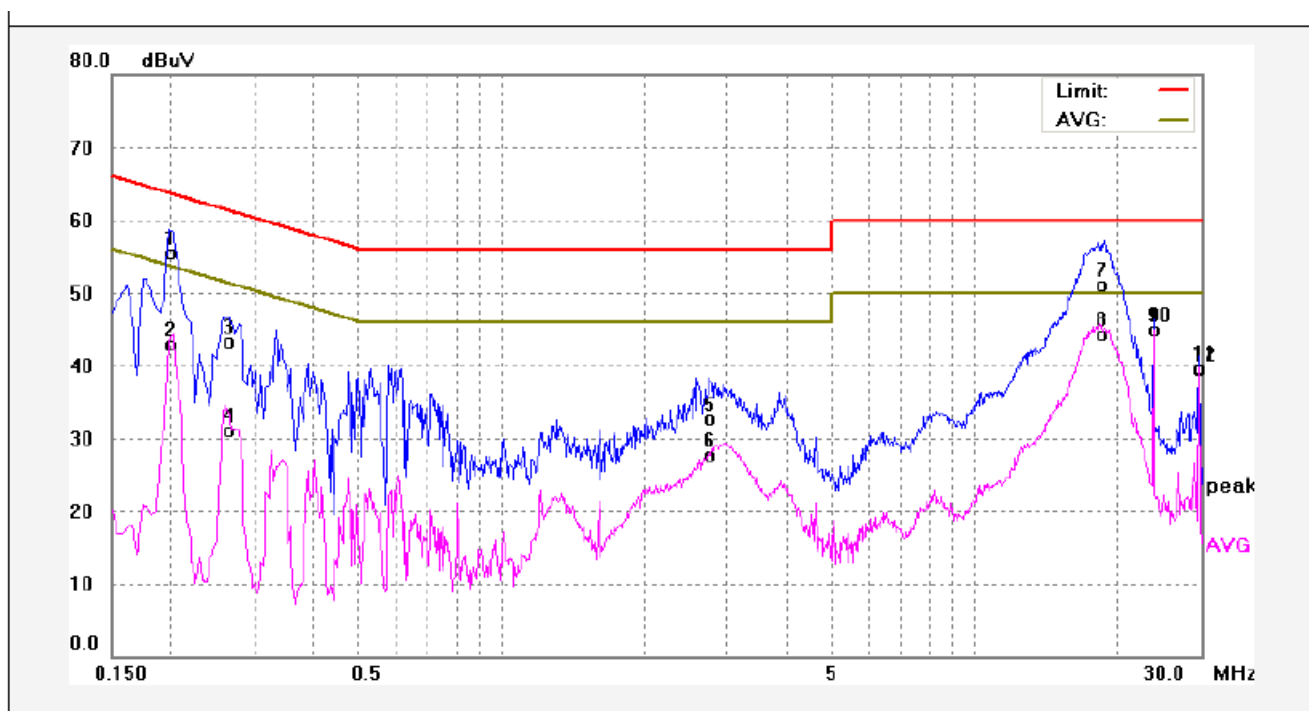
Product Type : LED TV
M/N : LE2833
Operating Condition : VGA
Test specification : Live
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1500	37.99	9.80	47.79	65.99	-18.20	QP	
2	0.1500	15.05	9.80	24.85	55.99	-31.14	AVG	
3	0.2020	48.03	9.84	57.87	63.52	-5.65	QP	
4	0.2020	35.00	9.84	44.84	53.52	-8.68	AVG	
5	0.2580	33.40	9.86	43.26	61.49	-18.23	QP	
6	0.2580	17.19	9.86	27.05	51.49	-24.44	AVG	
7	17.9100	37.62	11.07	48.69	60.00	-11.31	QP	
8	17.9100	30.80	11.07	41.87	50.00	-8.13	AVG	
9	23.8580	34.71	11.51	46.22	60.00	-13.78	QP	
10	23.8580	34.36	11.51	45.87	50.00	-4.13	AVG	
11	29.8260	28.23	12.29	40.52	60.00	-19.48	QP	
12	29.8260	28.09	12.29	40.38	50.00	-9.62	AVG	

Conducted Emission

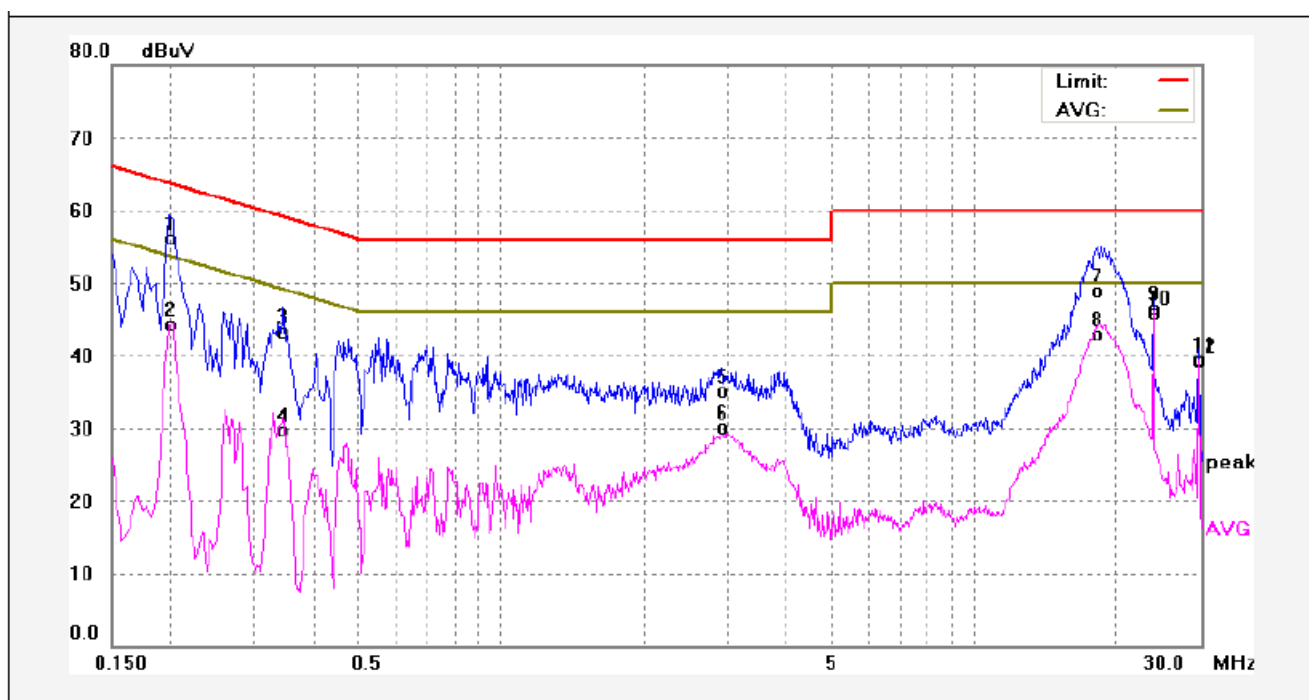
Product Type : LED TV
M/N : LE2833
Operating Condition : VGA
Test specification : Neutral
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1980	45.64	9.84	55.48	63.69	-8.21	QP	
2	0.1980	33.03	9.84	42.87	53.69	-10.82	AVG	
3	0.2660	33.53	9.86	43.39	61.24	-17.85	QP	
4	0.2660	21.30	9.86	31.16	51.24	-20.08	AVG	
5	2.7420	22.73	10.02	32.75	56.00	-23.25	QP	
6	2.7420	17.59	10.02	27.61	46.00	-18.39	AVG	
7	18.7979	39.89	11.13	51.02	60.00	-8.98	QP	
8	18.7979	33.14	11.13	44.27	50.00	-5.73	AVG	
9	23.8620	33.39	11.51	44.90	60.00	-15.10	QP	
10	23.8620	33.35	11.51	44.86	50.00	-5.14	AVG	
11	29.8260	27.33	12.29	39.62	60.00	-20.38	QP	
12	29.8260	27.21	12.29	39.50	50.00	-10.50	AVG	

Conducted Emission

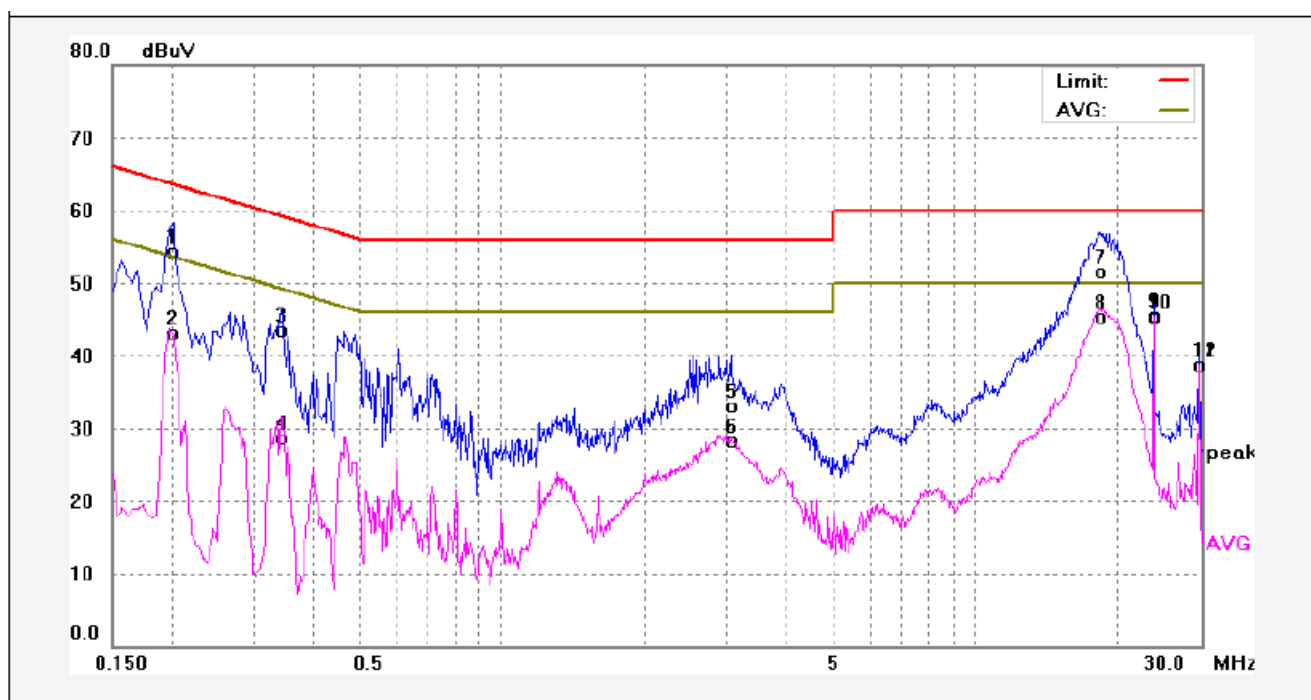
Product Type : LED TV
M/N : LE2833
Operating Condition : USB
Test specification : Live
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1980	46.18	9.84	56.02	63.69	-7.67	QP	
2	0.1980	34.46	9.84	44.30	53.69	-9.39	AVG	
3	0.3460	33.51	9.88	43.39	59.06	-15.67	QP	
4	0.3460	19.84	9.88	29.72	49.06	-19.34	AVG	
5	2.9020	25.06	10.03	35.09	56.00	-20.91	QP	
6	2.9020	19.98	10.03	30.01	46.00	-15.99	AVG	
7	18.1180	37.87	11.09	48.96	60.00	-11.04	QP	
8	18.1180	31.82	11.09	42.91	50.00	-7.09	AVG	
9	23.8620	34.92	11.51	46.43	60.00	-13.57	QP	
10	23.8620	34.45	11.51	45.96	50.00	-4.04	AVG	
11	29.8260	27.22	12.29	39.51	60.00	-20.49	QP	
12	29.8260	27.04	12.29	39.33	50.00	-10.67	AVG	

Conducted Emission

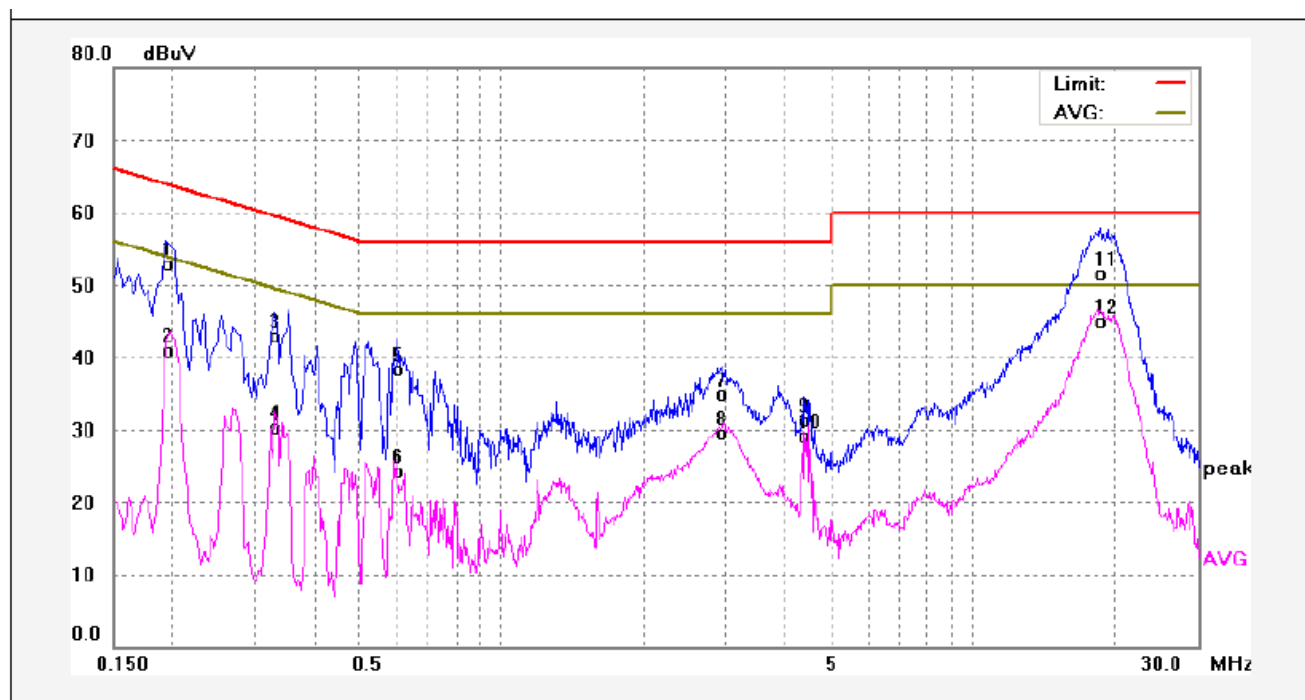
Product Type : LED TV
M/N : LE2833
Operating Condition : USB
Test specification : Neutral
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.2020	44.50	9.84	54.34	63.52	-9.18	QP	
2	0.2020	33.22	9.84	43.06	53.52	-10.46	AVG	
3	0.3420	33.65	9.88	43.53	59.15	-15.62	QP	
4	0.3420	18.82	9.88	28.70	49.15	-20.45	AVG	
5	3.0500	23.06	10.03	33.09	56.00	-22.91	QP	
6	3.0500	18.19	10.03	28.22	46.00	-17.78	AVG	
7	18.3819	40.31	11.10	51.41	60.00	-8.59	QP	
8	18.3819	34.26	11.10	45.36	50.00	-4.64	AVG	
9	23.8620	33.91	11.51	45.42	60.00	-14.58	QP	
10	23.8620	33.78	11.51	45.29	50.00	-4.71	AVG	
11	29.8260	26.45	12.29	38.74	60.00	-21.26	QP	
12	29.8260	26.35	12.29	38.64	50.00	-11.36	AVG	

Conducted Emission

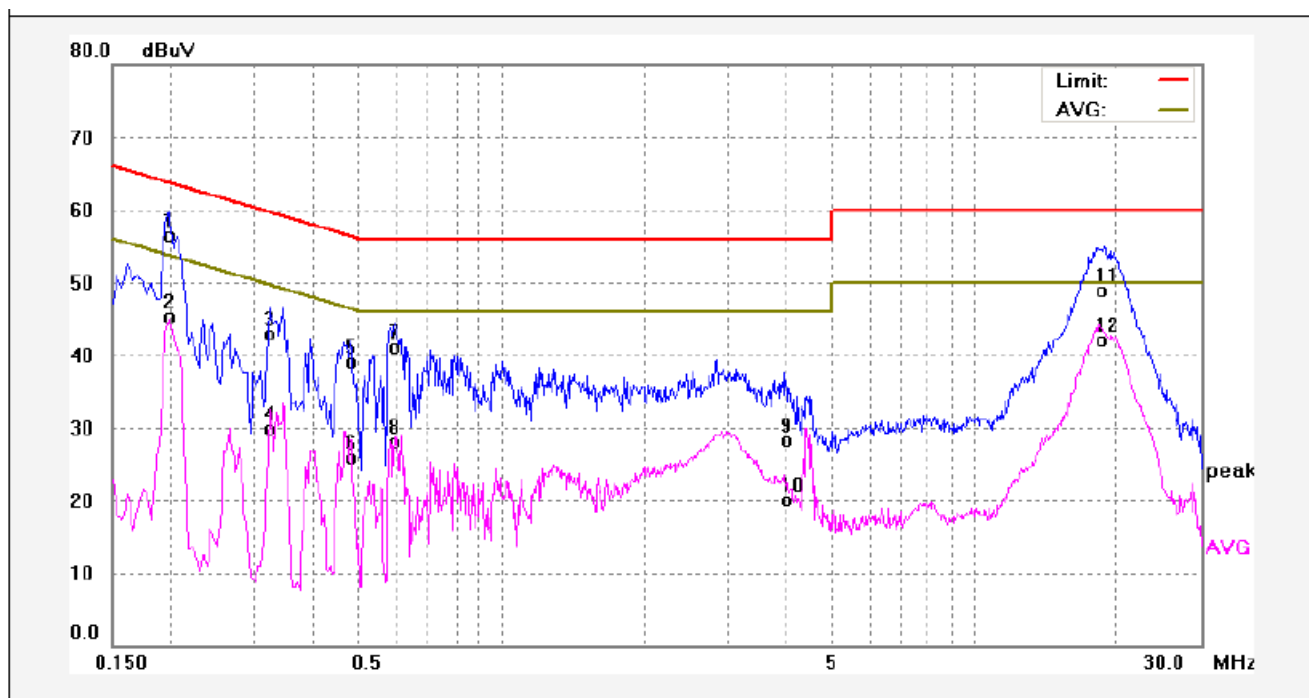
Product Type : LED TV
M/N : LE2833
Operating Condition : AV
Test specification : Live
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1940	43.11	9.84	52.95	63.86	-10.91	QP	
2	0.1940	31.05	9.84	40.89	53.86	-12.97	AVG	
3	0.3300	33.04	9.88	42.92	59.45	-16.53	QP	
4	0.3300	20.39	9.88	30.27	49.45	-19.18	AVG	
5	0.6020	28.37	9.94	38.31	56.00	-17.69	QP	
6	0.6020	14.44	9.94	24.38	46.00	-21.62	AVG	
7	2.9180	24.79	10.03	34.82	56.00	-21.18	QP	
8	2.9180	19.38	10.03	29.41	46.00	-16.59	AVG	
9	4.3940	21.23	10.08	31.31	56.00	-24.69	QP	
10	4.3940	19.10	10.08	29.18	46.00	-16.82	AVG	
11	18.6740	40.41	11.12	51.53	60.00	-8.47	QP	
12	18.6740	33.72	11.12	44.84	50.00	-5.16	AVG	

Conducted Emission

Product Type : LED TV
M/N : LE2833
Operating Condition : AV
Test specification : Neutral
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1980	46.76	9.84	56.60	63.69	-7.09	QP	
2	0.1980	35.42	9.84	45.26	53.69	-8.43	AVG	
3	0.3220	33.09	9.88	42.97	59.65	-16.68	QP	
4	0.3220	19.96	9.88	29.84	49.65	-19.81	AVG	
5	0.4780	29.13	9.92	39.05	56.37	-17.32	QP	
6	0.4780	16.03	9.92	25.95	46.37	-20.42	AVG	
7	0.5940	31.24	9.94	41.18	56.00	-14.82	QP	
8	0.5940	18.13	9.94	28.07	46.00	-17.93	AVG	
9	4.0620	18.23	10.07	28.30	56.00	-27.70	QP	
10	4.0620	10.01	10.07	20.08	46.00	-25.92	AVG	
11	18.7580	37.71	11.13	48.84	60.00	-11.16	QP	
12	18.7580	31.01	11.13	42.14	50.00	-7.86	AVG	



Product Service

Test Equipment List

Conducted Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL DUE DATE
EMI Test Receiver	R&S	ESCI	101178	August 8, 2014
LISN	R&S	ENV216	101215	August 8, 2014
Cable	Top	TYPE16(3.5M)	EW02014-5	August 8, 2014

7.2 Radiated emissions

Test Method

- 1 The EUT is placed on a turntable, which is 0.8m above ground plane.
- 2 The turntable shall be rotated for 360 degrees to determine the position of maximum emission level
- 3 EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- 4 Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5 Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

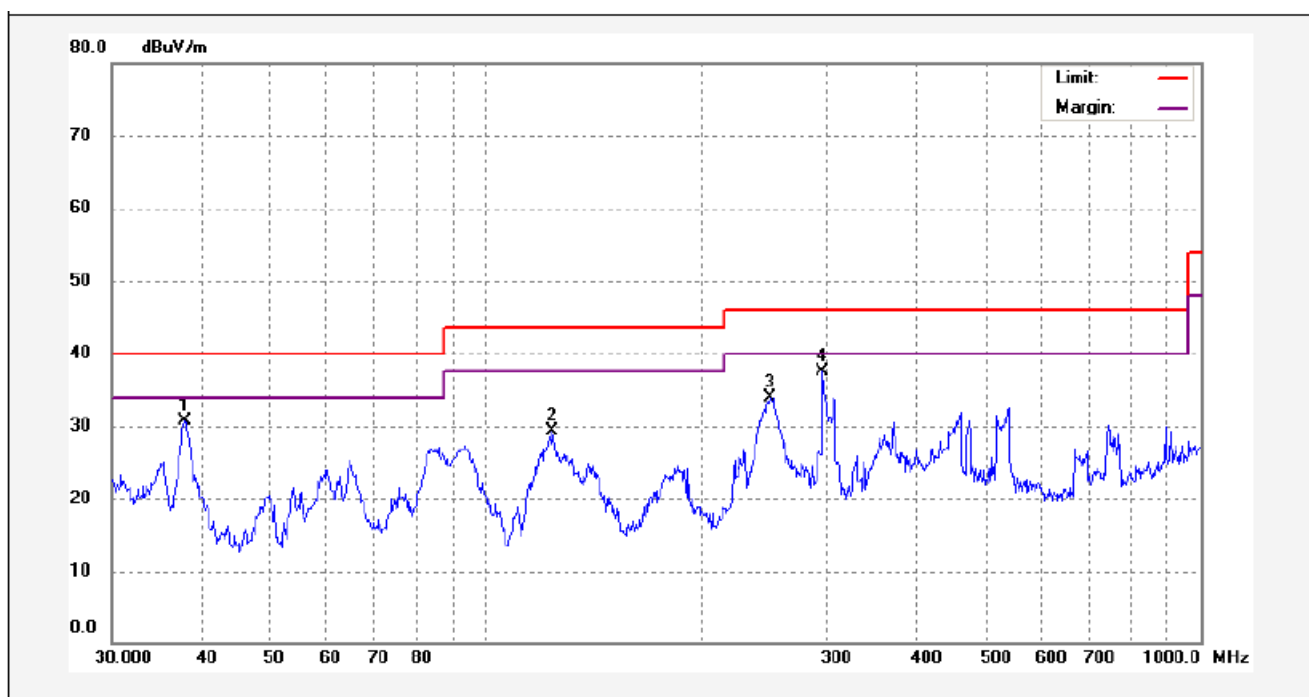
Limit

Frequency MHz	Field Strength uV/m	Field Strength dBμV/m	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

Remark: During the radiated emission test, all the channels in ATV mode, DTV mode are applied, and the results are met the limit of requirement, the test data which listed in the report are the typical channels of Low, Middle and High.

Radiated Emission

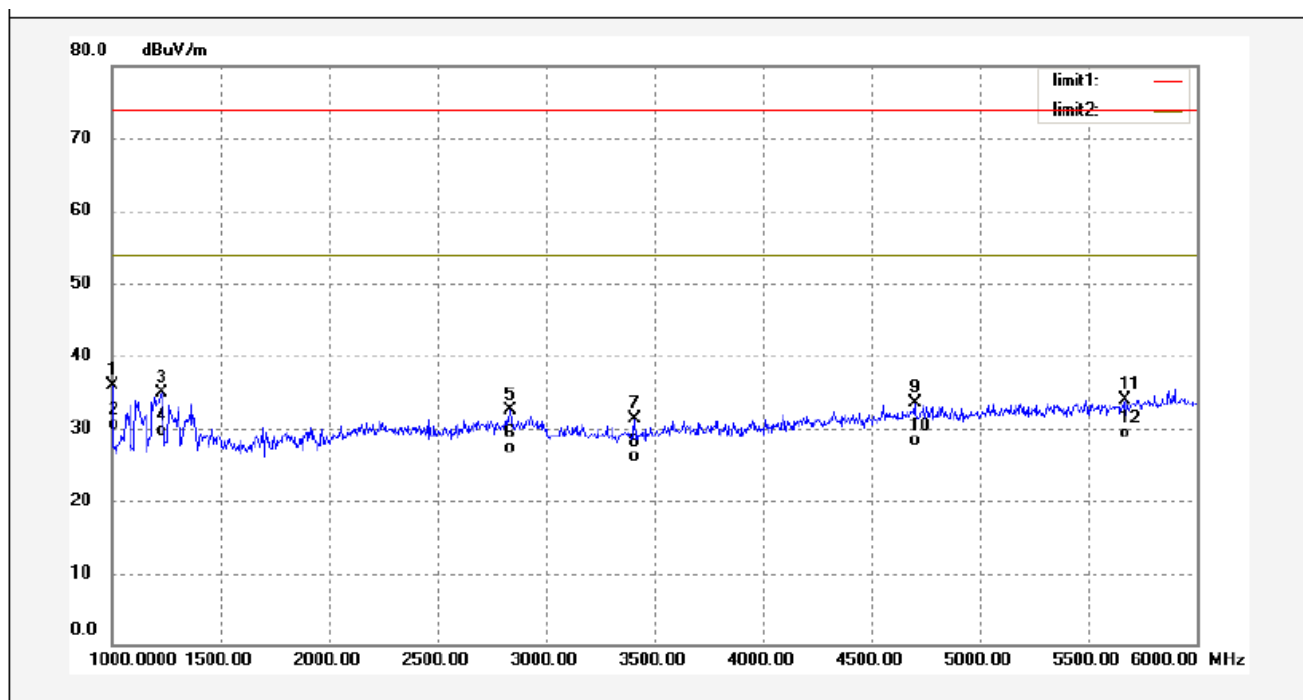
Product Type : LED TV
 M/N : LE2833
 Operating Condition : DTV
 Test specification : Vertical, low channel, 30MHz-1000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	37.9450	51.19	-20.56	30.63	40.00	-9.37	peak	
2	124.1330	52.02	-22.77	29.25	43.50	-14.25	peak	
3	249.4250	55.47	-21.66	33.81	46.00	-12.19	peak	
4	296.1836	57.22	-19.80	37.42	46.00	-8.58	peak	

Radiated Emission

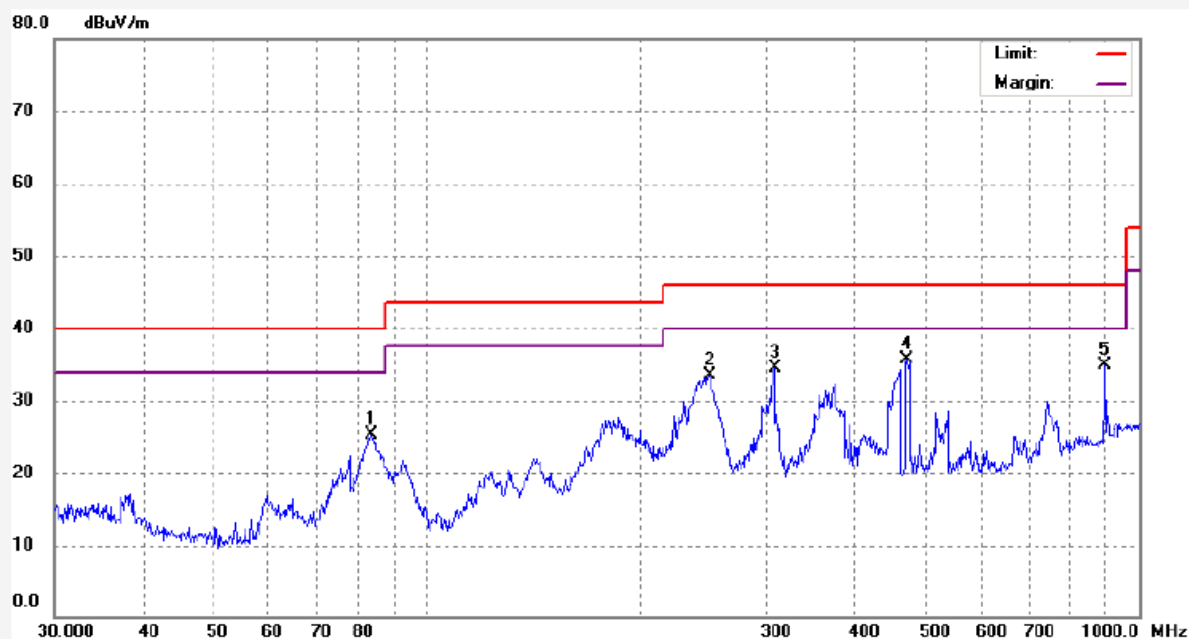
Product Type : LED TV
 M/N : LE2833
 Operating Condition : DTV
 Test specification : Vertical, low channel, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1000.0000	53.92	-18.08	35.84	74.00	-38.16	peak	
2	1000.0000	47.88	-18.08	29.80	54.00	-24.20	AVG	
3	1230.000	52.36	-17.39	34.97	74.00	-39.03	peak	
4	1230.000	46.33	-17.39	28.94	54.00	-25.06	AVG	
5	2835.000	47.28	-14.81	32.47	74.00	-41.53	peak	
6	2835.000	41.22	-14.81	26.41	54.00	-27.59	AVG	
7	3410.000	46.15	-14.78	31.37	74.00	-42.63	peak	
8	3410.000	40.02	-14.78	25.24	54.00	-28.76	AVG	
9	4700.000	45.65	-12.18	33.47	74.00	-40.53	peak	
10	4700.000	39.78	-12.18	27.60	54.00	-26.40	AVG	
11	5670.000	45.37	-11.47	33.90	74.00	-40.10	peak	
12	5670.000	39.89	-11.47	28.42	54.00	-25.58	AVG	

Radiated Emission

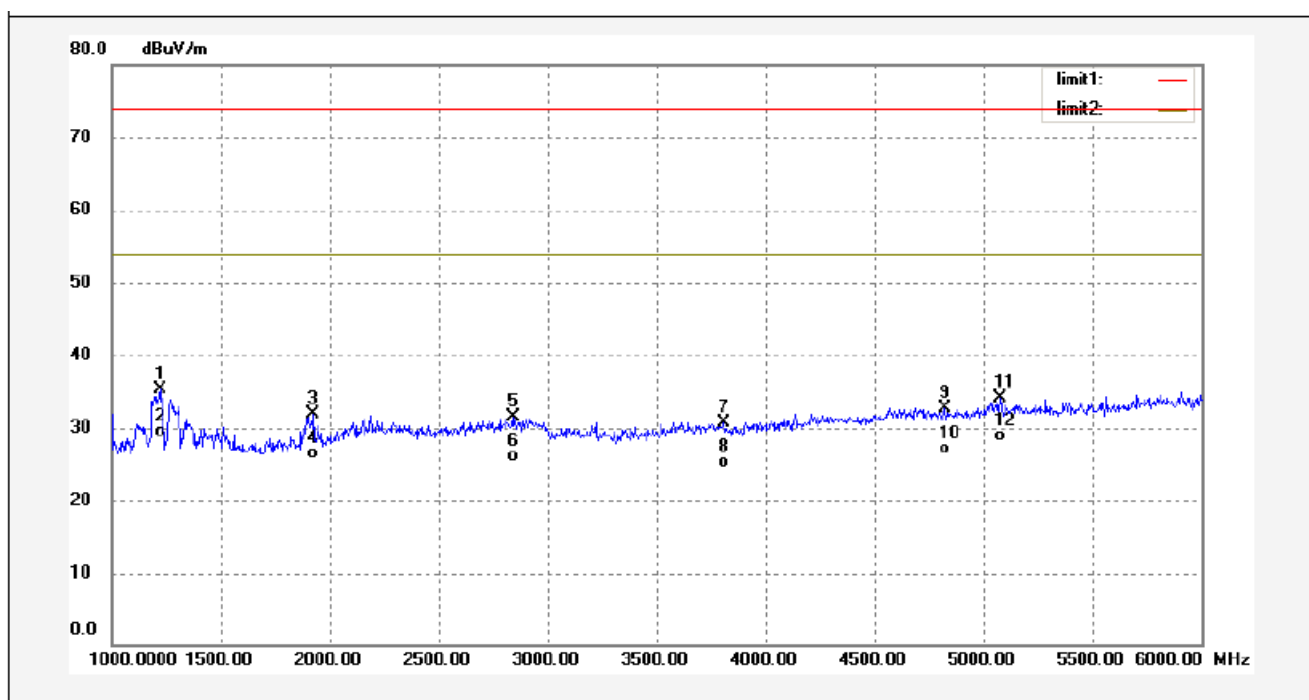
Product Type : LED TV
M/N : LE2833
Operating Condition : DTV
Test specification : Horizontal, low channel, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	83.8156	51.16	-25.83	25.33	40.00	-14.67	peak	
2	249.4250	55.11	-21.56	33.55	46.00	-12.45	peak	
3	307.8313	53.99	-19.41	34.58	46.00	-11.42	peak	
4	472.1760	50.46	-14.82	35.64	46.00	-10.36	peak	
5	896.9965	40.44	-5.59	34.85	46.00	-11.15	peak	

Radiated Emission

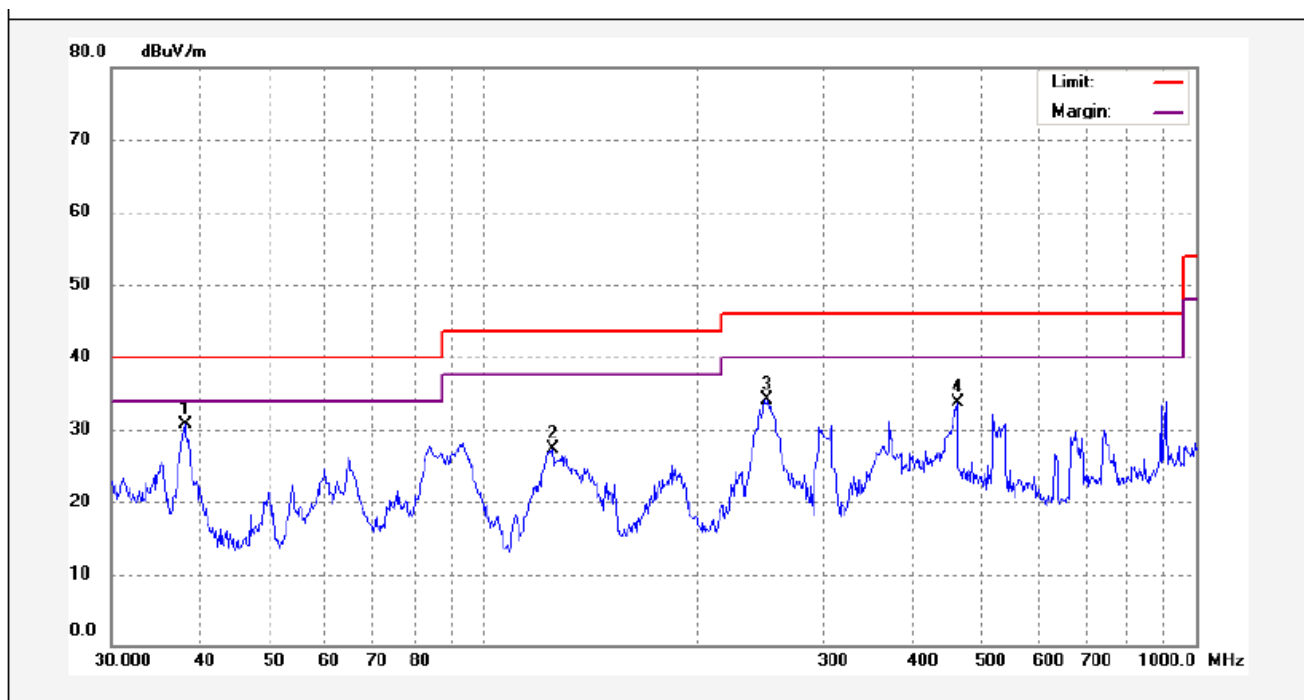
Product Type : LED TV
 M/N : LE2833
 Operating Condition : DTV
 Test specification : Horizontal, low channel,1000MHz-6000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1220.000	52.78	-17.48	35.30	74.00	-38.70	peak	
2	1220.000	46.12	-17.48	28.64	54.00	-25.36	AVG	
3	1925.000	49.00	-17.13	31.87	74.00	-42.13	peak	
4	1925.000	42.88	-17.13	25.75	54.00	-28.25	AVG	
5	2840.000	46.38	-14.81	31.57	74.00	-42.43	peak	
6	2840.000	40.08	-14.81	25.27	54.00	-28.73	AVG	
7	3810.000	44.39	-13.75	30.64	74.00	-43.36	peak	
8	3810.000	38.23	-13.75	24.48	54.00	-29.52	AVG	
9	4820.000	44.69	-11.96	32.73	74.00	-41.27	peak	
10	4820.000	38.33	-11.96	26.37	54.00	-27.63	AVG	
11	5075.000	45.61	-11.50	34.11	74.00	-39.89	peak	
12	5075.000	39.56	-11.50	28.06	54.00	-25.94	AVG	

Radiated Emission

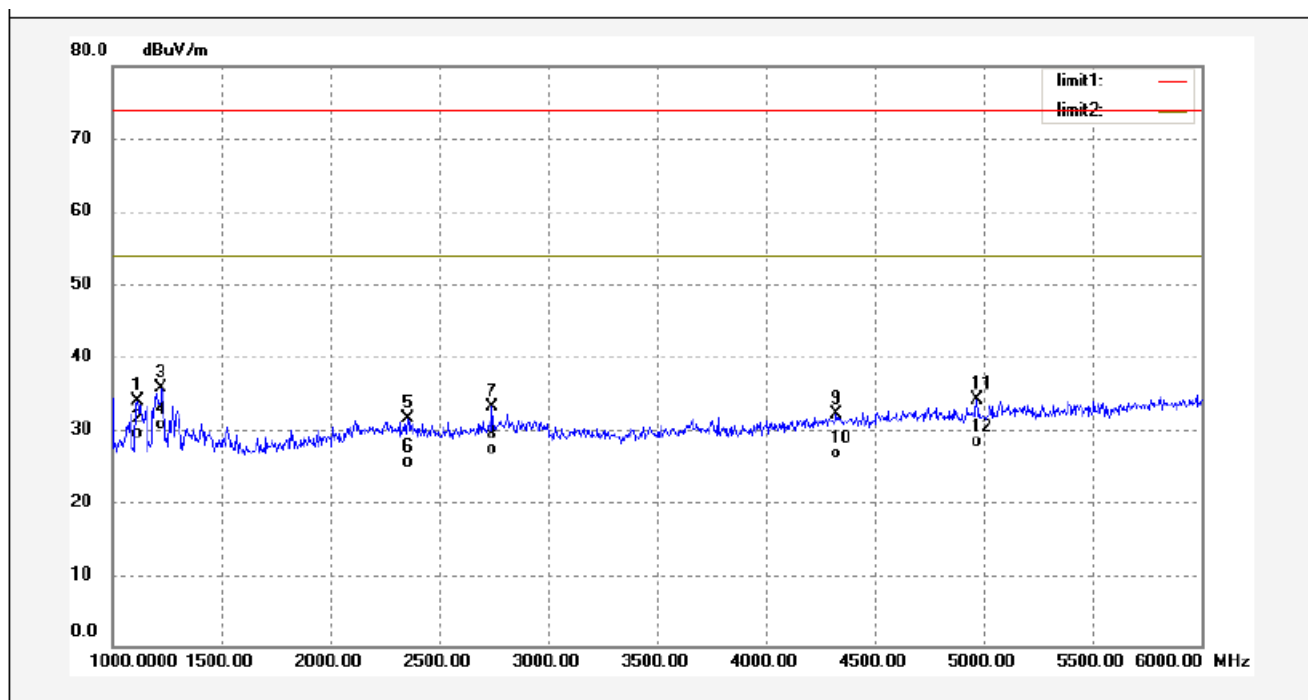
Product Type : LED TV
 M/N : LE2833
 Operating Condition : DTV
 Test specification : Vertical, middle channel, 30MHz-1000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	38.0783	51.24	-20.59	30.65	40.00	-9.35	peak	
2	125.0066	49.93	-22.71	27.22	43.50	-16.28	peak	
3	250.3012	55.81	-21.63	34.18	46.00	-11.82	peak	
4	462.3455	48.91	-15.20	33.71	46.00	-12.29	peak	

Radiated Emission

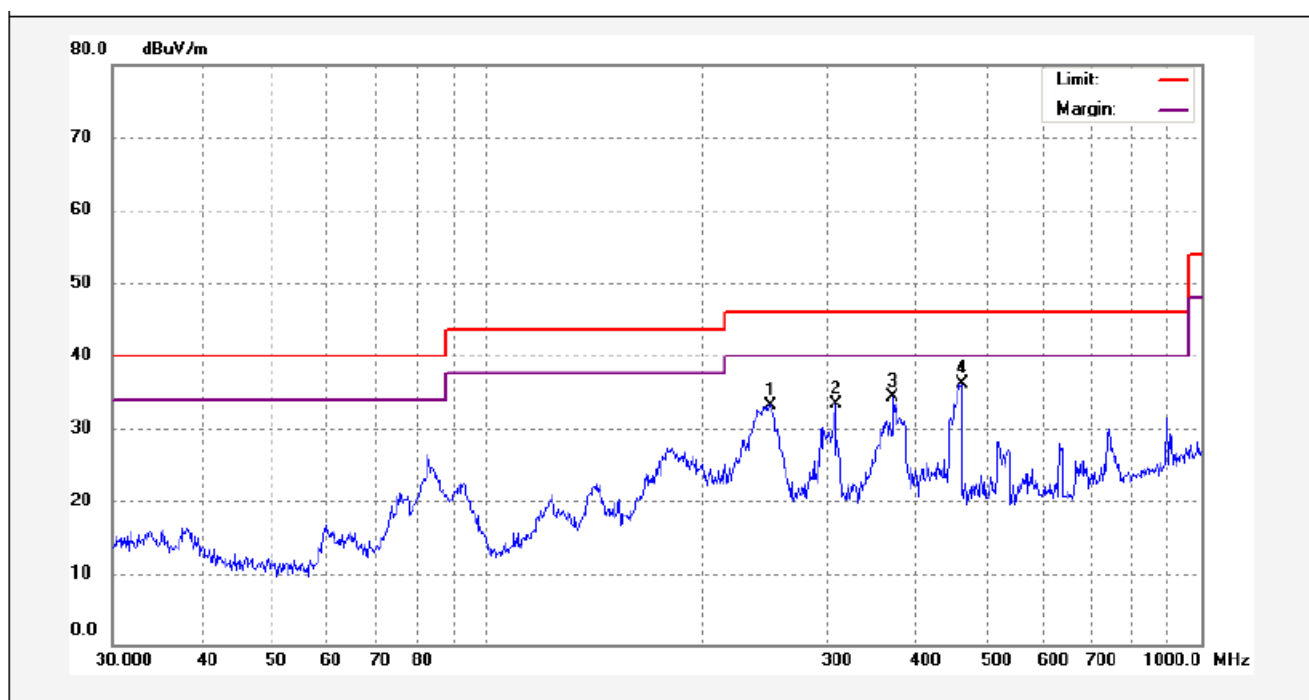
Product Type : LED TV
M/N : LE2833
Operating Condition : DTV
Test specification : Vertical, middle channel, 1000MHz-6000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1115.000	52.06	-18.16	33.90	74.00	-40.10	peak	
2	1115.000	46.88	-18.16	28.72	54.00	-25.28	AVG	
3	1225.000	53.20	-17.44	35.76	74.00	-38.24	peak	
4	1225.000	47.33	-17.44	29.89	54.00	-24.11	AVG	
5	2355.000	47.01	-15.44	31.57	74.00	-42.43	peak	
6	2355.000	40.22	-15.44	24.78	54.00	-29.22	AVG	
7	2745.000	48.05	-14.95	33.10	74.00	-40.90	peak	
8	2745.000	41.55	-14.95	26.60	54.00	-27.40	AVG	
9	4325.000	45.04	-12.98	32.06	74.00	-41.94	peak	
10	4325.000	38.88	-12.98	25.90	54.00	-28.10	AVG	
11	4970.000	45.90	-11.76	34.14	74.00	-39.86	peak	
12	4970.000	39.32	-11.76	27.56	54.00	-26.44	AVG	

Radiated Emission

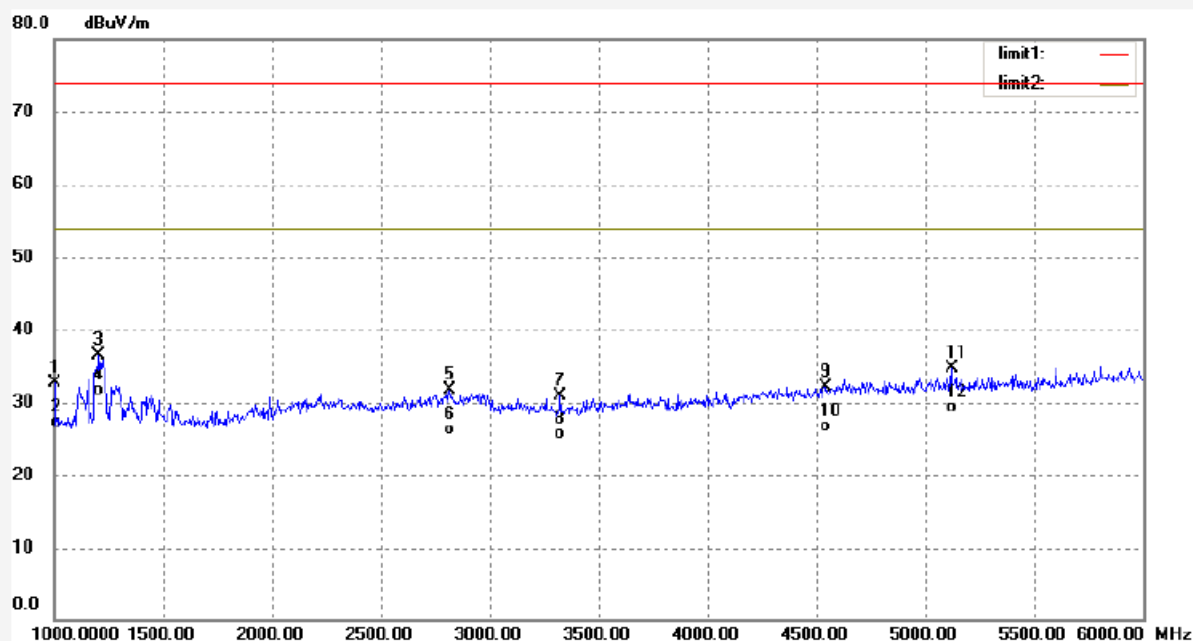
Product Type : LED TV
 M/N : LE2833
 Operating Condition : DTV
 Test specification : Horizontal, middle channel, 30MHz-1000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	249.4250	54.76	-21.56	33.20	46.00	-12.80	peak	
2	307.8313	52.68	-19.41	33.27	46.00	-12.73	peak	
3	370.7023	51.85	-17.62	34.23	46.00	-11.77	peak	
4	462.3455	51.19	-15.05	36.14	46.00	-9.86	peak	

Radiated Emission

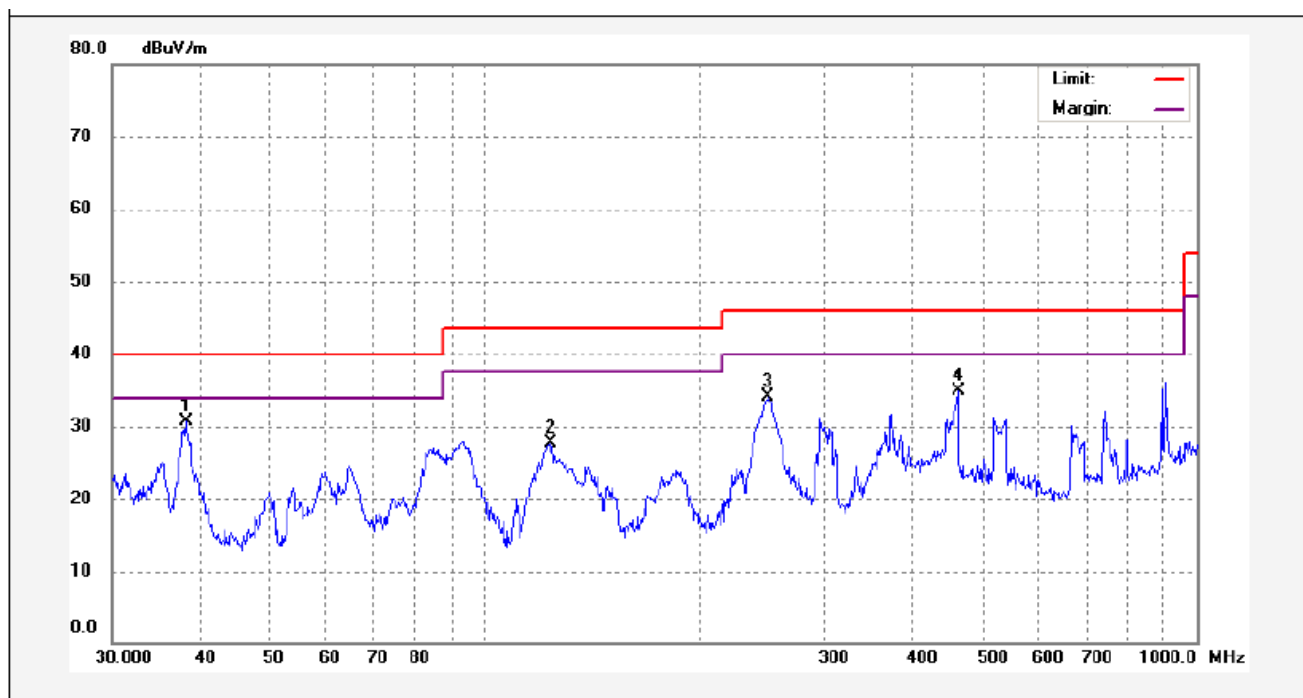
Product Type : LED TV
M/N : LE2833
Operating Condition : DTV
Test specification : Horizontal, middle channel, 1000MHz-6000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1000.0000	50.85	-18.08	32.77	74.00	-41.23	peak	
2	1000.0000	44.55	-18.08	26.47	54.00	-27.53	AVG	
3	1205.000	54.06	-17.61	36.45	74.00	-37.55	peak	
4	1205.000	48.45	-17.61	30.84	54.00	-23.16	AVG	
5	2815.000	46.44	-14.79	31.65	74.00	-42.35	peak	
6	2815.000	40.23	-14.79	25.44	54.00	-28.56	AVG	
7	3325.000	45.81	-14.94	30.87	74.00	-43.13	peak	
8	3325.000	39.88	-14.94	24.94	54.00	-29.06	AVG	
9	4540.000	44.83	-12.67	32.16	74.00	-41.84	peak	
10	4540.000	38.66	-12.67	25.99	54.00	-28.01	AVG	
11	5120.000	46.15	-11.46	34.69	74.00	-39.31	peak	
12	5120.000	40.02	-11.46	28.56	54.00	-25.44	AVG	

Radiated Emission

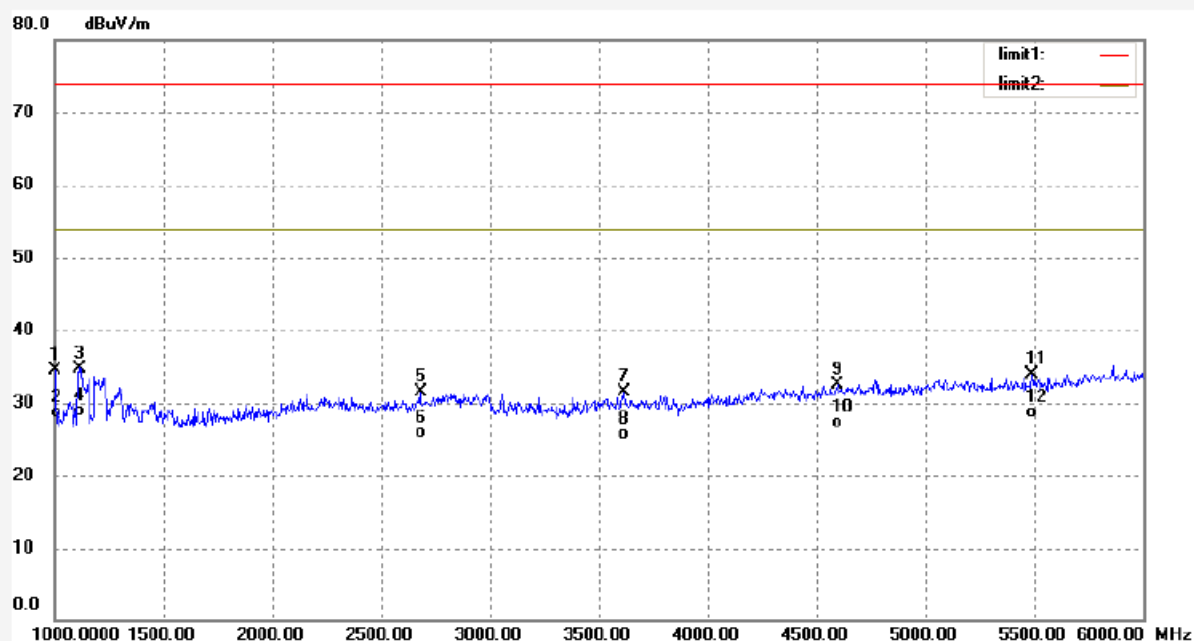
Product Type : LED TV
 M/N : LE2833
 Operating Condition : DTV
 Test specification : Vertical, high channel, 30MHz-1000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	38.0783	51.38	-20.59	30.79	40.00	-9.21	peak	
2	123.6985	50.61	-22.82	27.79	43.50	-15.71	peak	
3	250.3012	55.72	-21.63	34.09	46.00	-11.91	peak	
4	462.3455	50.03	-15.20	34.83	46.00	-11.17	peak	

Radiated Emission

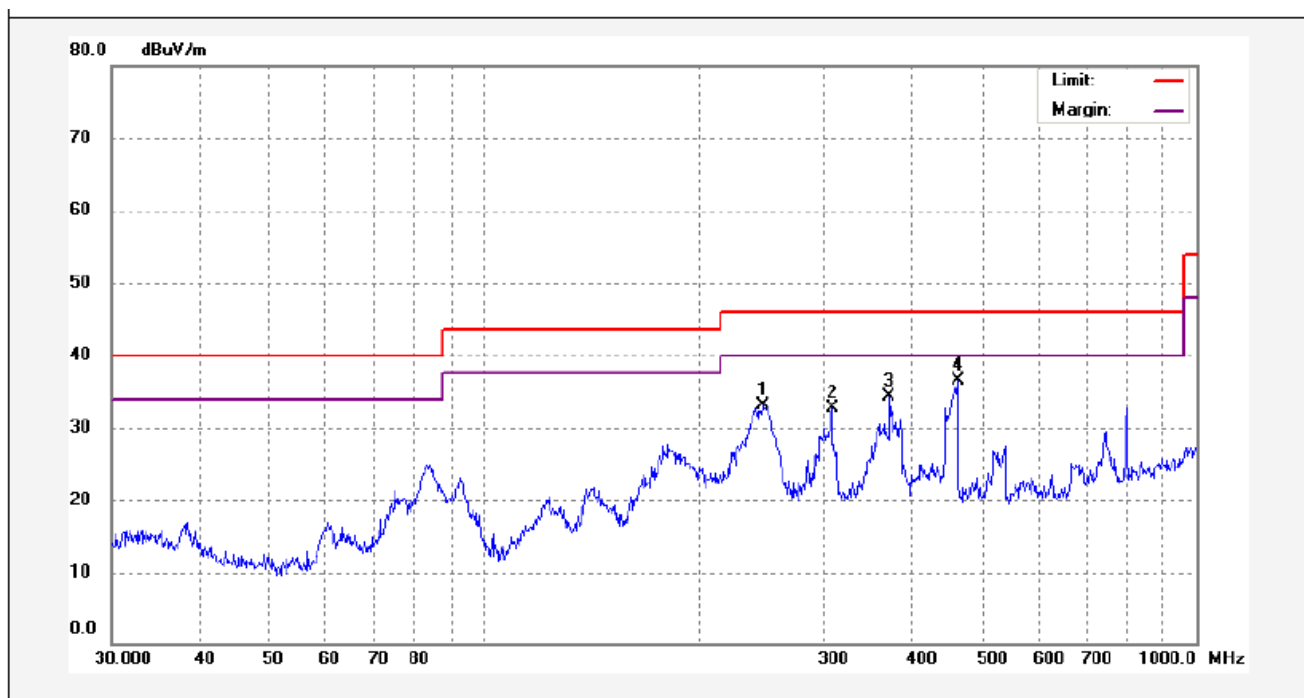
Product Type : LED TV
M/N : LE2833
Operating Condition : DTV
Test specification : Vertical, high channel, 1000MHz-6000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1000.0000	52.67	-18.08	34.59	74.00	-39.41	peak	
2	1000.0000	45.89	-18.08	27.81	54.00	-26.19	AVG	
3	1115.000	52.96	-18.16	34.80	74.00	-39.20	peak	
4	1115.000	46.33	-18.16	28.17	54.00	-25.83	AVG	
5	2680.000	46.64	-15.14	31.50	74.00	-42.50	peak	
6	2680.000	40.23	-15.14	25.09	54.00	-28.91	AVG	
7	3615.000	45.55	-14.12	31.43	74.00	-42.57	peak	
8	3615.000	38.99	-14.12	24.87	54.00	-29.13	AVG	
9	4595.000	45.05	-12.48	32.57	74.00	-41.43	peak	
10	4595.000	39.02	-12.48	26.54	54.00	-27.46	AVG	
11	5490.000	45.56	-11.67	33.89	74.00	-40.11	peak	
12	5490.000	39.55	-11.67	27.88	54.00	-26.12	AVG	

Radiated Emission

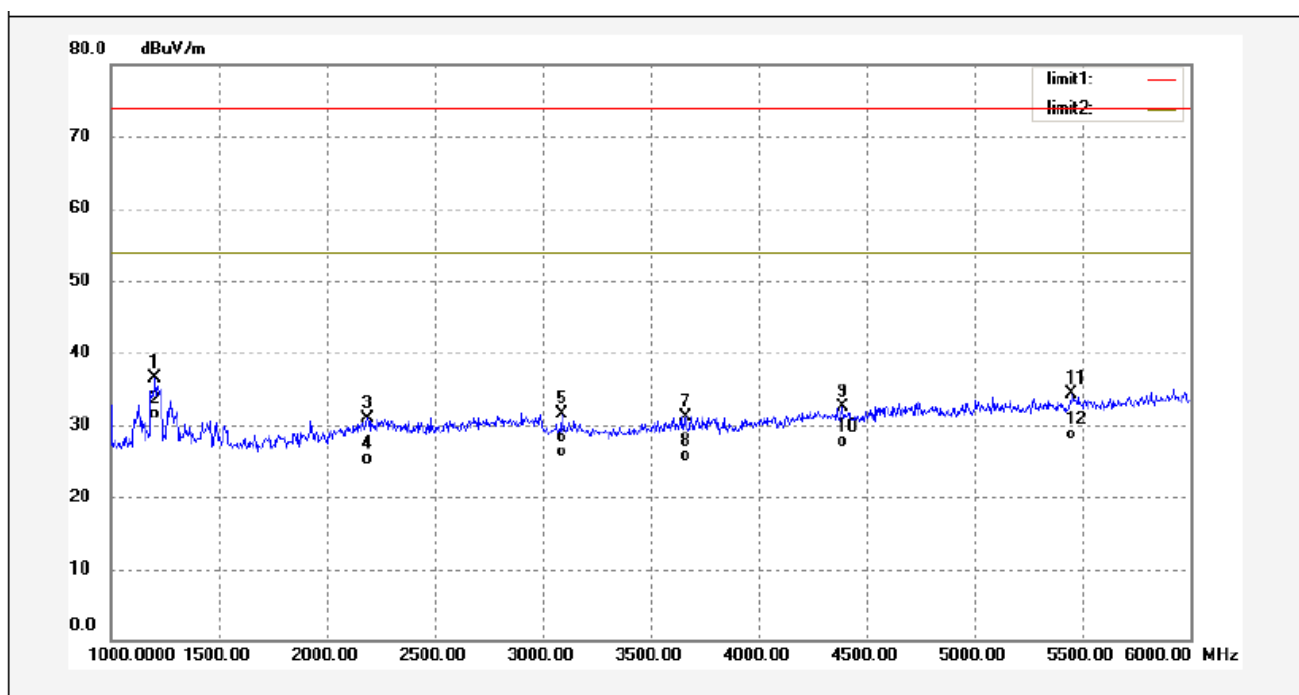
Product Type : LED TV
 M/N : LE2833
 Operating Condition : DTV
 Test specification : Horizontal, high channel, 30MHz-1000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	246.8149	54.72	-21.66	33.06	46.00	-12.94	peak	
2	307.8313	52.21	-19.41	32.80	46.00	-13.20	peak	
3	370.7023	51.99	-17.62	34.37	46.00	-11.63	peak	
4	462.3455	51.59	-15.05	36.54	46.00	-9.46	peak	

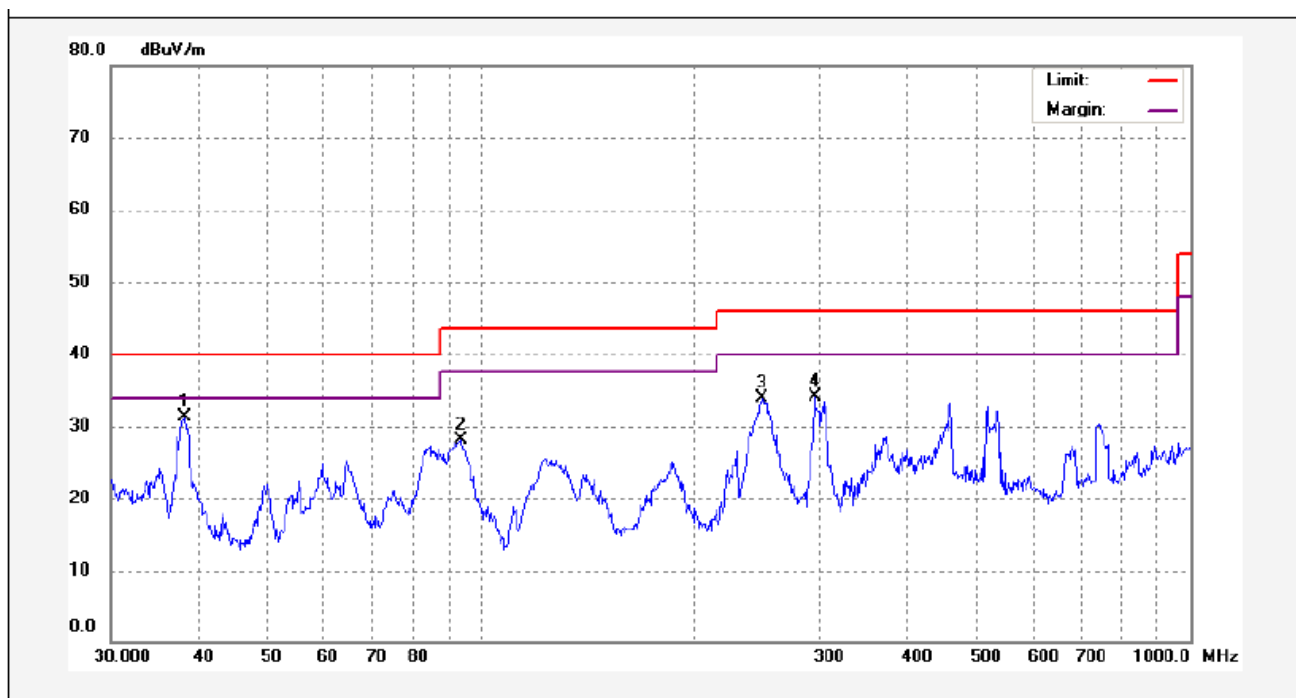
Radiated Emission

Product Type : LED TV
 M/N : LE2833
 Operating Condition : DTV
 Test specification : Horizontal, high channel, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



Radiated Emission

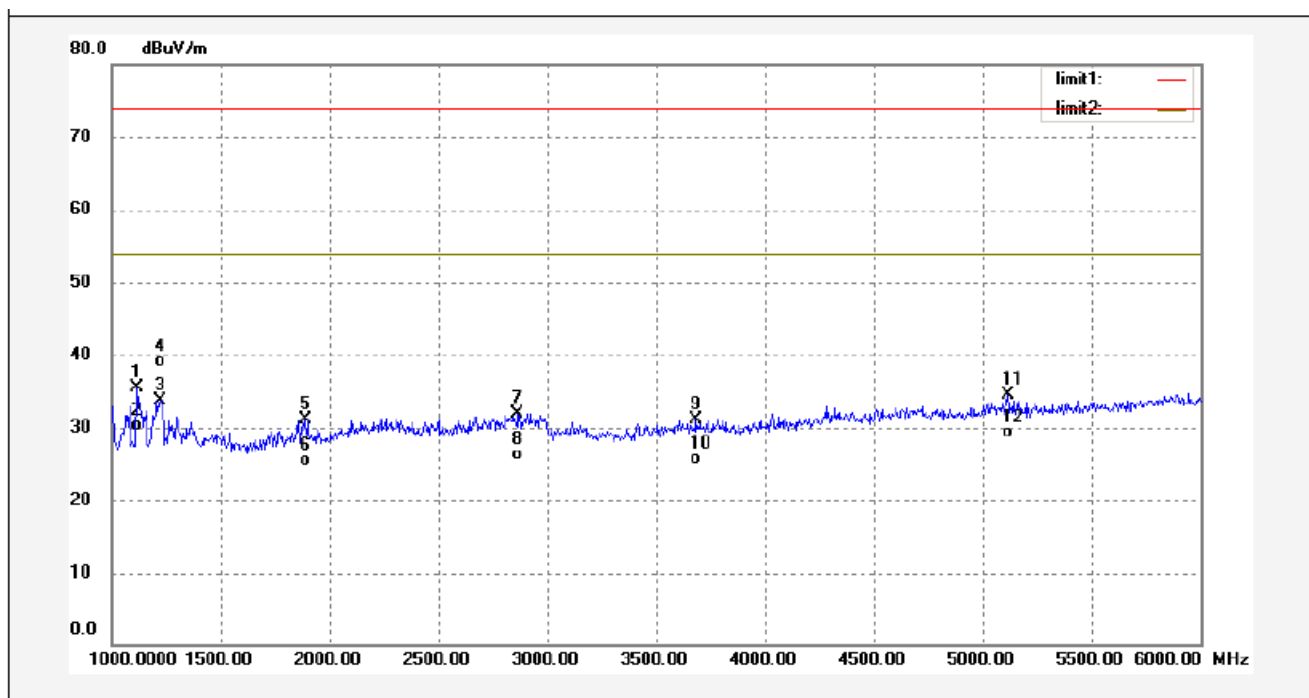
Product Type : LED TV
 M/N : LE2833
 Operating Condition : ATV
 Test specification : Vertical, low channel, 30MHz-1000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	38.2120	51.87	-20.62	31.25	40.00	-8.75	peak	
2	93.4402	52.54	-24.36	28.18	43.50	-15.32	peak	
3	248.5519	55.61	-21.70	33.91	46.00	-12.09	peak	
4	295.1469	53.86	-19.84	34.02	46.00	-11.98	peak	

Radiated Emission

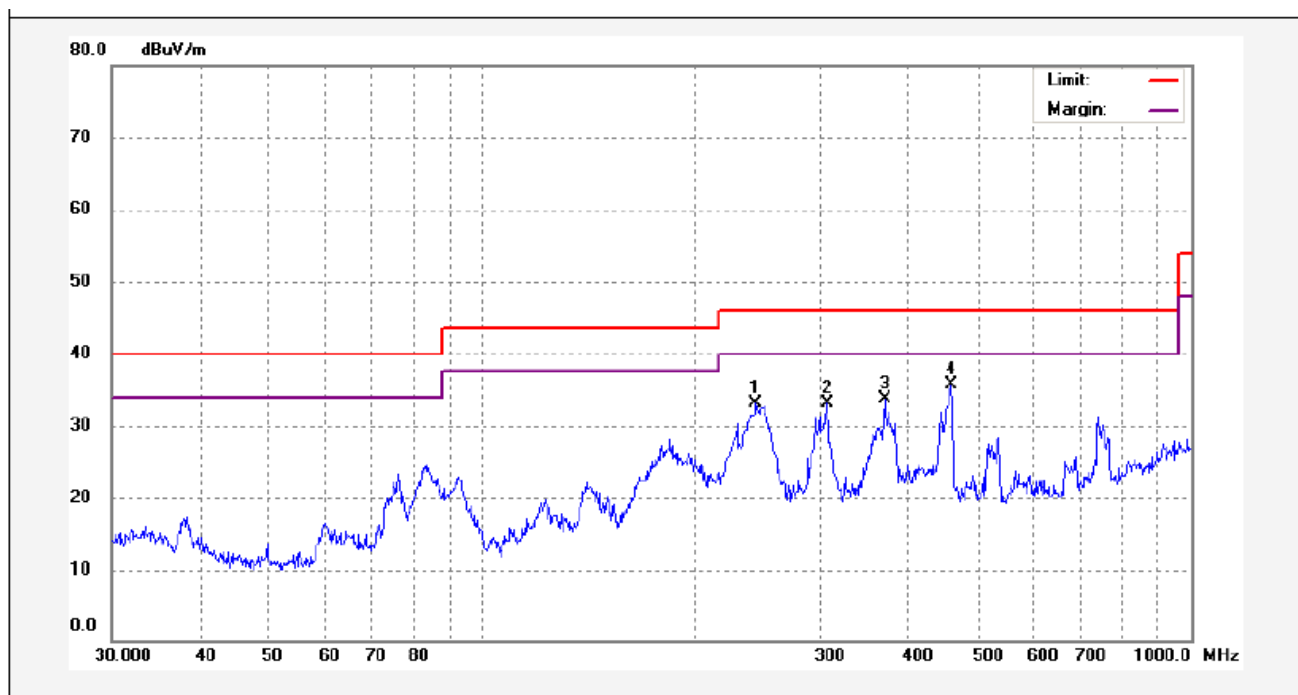
Product Type : LED TV
 M/N : LE2833
 Operating Condition : ATV
 Test specification : Vertical, low channel, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1115.000	53.74	-18.16	35.58	74.00	-38.42	peak	
2	1115.000	47.66	-18.16	29.50	54.00	-24.50	AVG	
3	1220.000	51.11	-17.48	33.63	74.00	-40.37	peak	
4	1220.000	55.69	-17.48	38.21	54.00	-15.79	AVG	
5	1890.000	48.30	-17.26	31.04	74.00	-42.96	peak	
6	1890.000	41.89	-17.26	24.63	54.00	-29.37	AVG	
7	2865.000	46.70	-14.80	31.90	74.00	-42.10	peak	
8	2865.000	40.22	-14.80	25.42	54.00	-28.58	AVG	
9	3685.000	45.11	-14.05	31.06	74.00	-42.94	peak	
10	3685.000	38.88	-14.05	24.83	54.00	-29.17	AVG	
11	5115.000	46.02	-11.45	34.57	74.00	-39.43	peak	
12	5115.000	39.99	-11.45	28.54	54.00	-25.46	AVG	

Radiated Emission

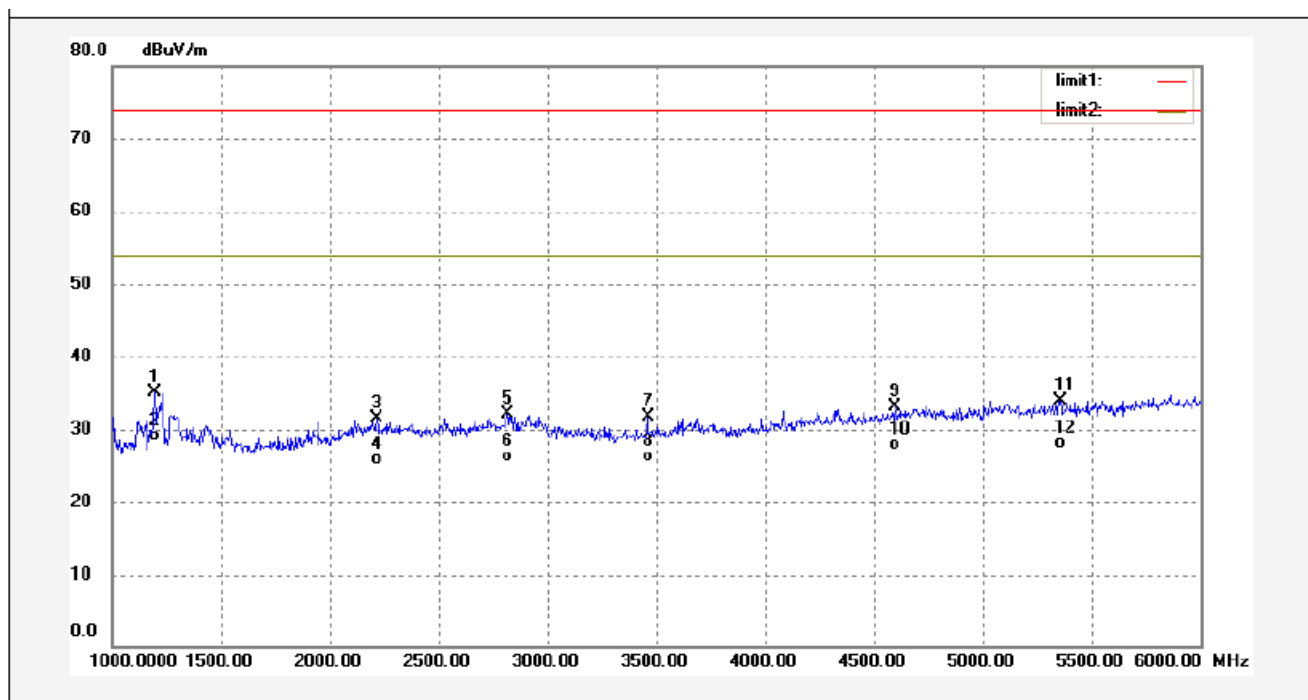
Product Type : LED TV
 M/N : LE2833
 Operating Condition : ATV
 Test specification : Horizontal, low channel, 30MHz-1000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	243.3772	54.89	-21.76	33.13	46.00	-12.87	peak	
2	306.7537	52.56	-19.44	33.12	46.00	-12.88	peak	
3	369.4047	51.47	-17.67	33.80	46.00	-12.20	peak	
4	459.1144	50.76	-15.14	35.62	46.00	-10.38	peak	

Radiated Emission

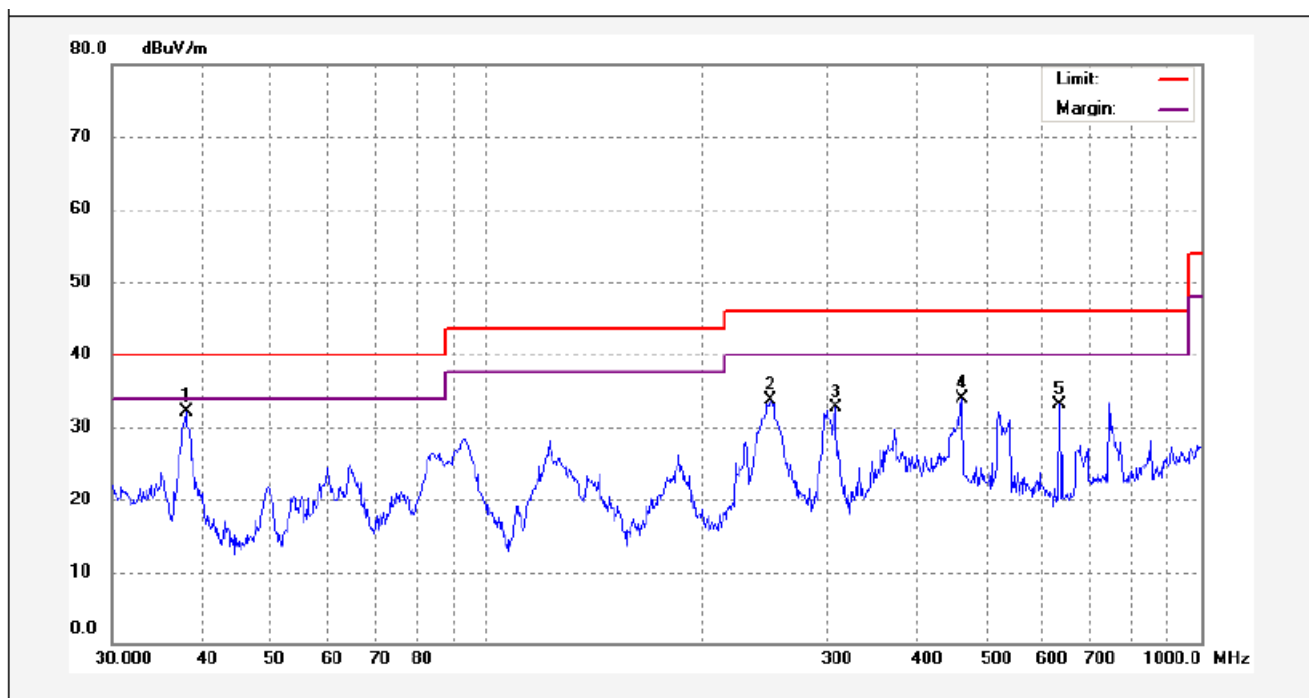
Product Type : LED TV
 M/N : LE2833
 Operating Condition : ATV
 Test specification : Horizontal, low channel, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1195.000	52.88	-17.70	35.18	74.00	-38.82	peak	
2	1195.000	46.05	-17.70	28.35	54.00	-25.65	AVG	
3	2215.000	46.60	-15.19	31.41	74.00	-42.59	peak	
4	2215.000	40.33	-15.19	25.14	54.00	-28.86	AVG	
5	2815.000	46.87	-14.79	32.08	74.00	-41.92	peak	
6	2815.000	40.23	-14.79	25.44	54.00	-28.56	AVG	
7	3460.000	46.36	-14.56	31.80	74.00	-42.20	peak	
8	3460.000	40.02	-14.56	25.46	54.00	-28.54	AVG	
9	4595.000	45.58	-12.48	33.10	74.00	-40.90	peak	
10	4595.000	39.55	-12.48	27.07	54.00	-26.93	AVG	
11	5355.000	45.82	-11.85	33.97	74.00	-40.03	peak	
12	5355.000	39.25	-11.85	27.40	54.00	-26.60	AVG	

Radiated Emission

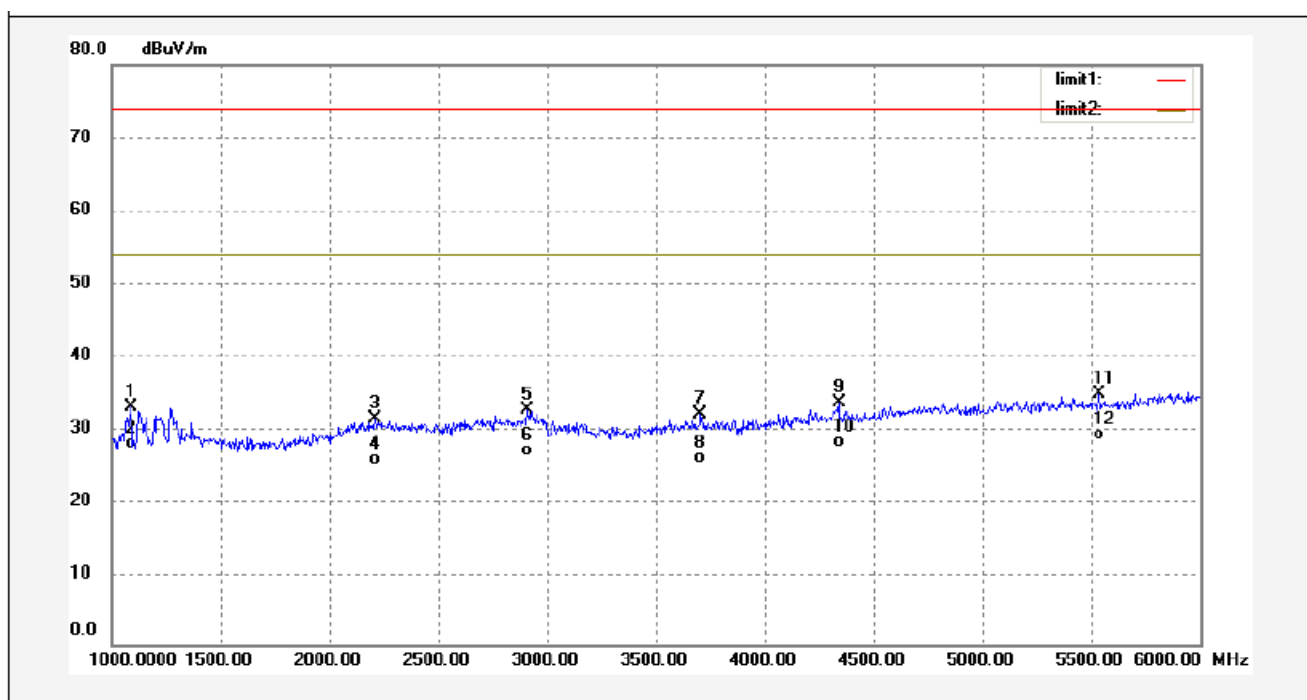
Product Type : LED TV
 M/N : LE2833
 Operating Condition : ATV
 Test specification : Vertical, middle channel, 30MHz-1000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	38.0783	52.62	-20.59	32.03	40.00	-7.97	peak	
2	249.4250	55.33	-21.66	33.67	46.00	-12.33	peak	
3	307.8313	52.09	-19.43	32.66	46.00	-13.34	peak	
4	462.3455	49.08	-15.20	33.88	46.00	-12.12	peak	
5	633.9073	43.98	-10.84	33.14	46.00	-12.86	peak	

Radiated Emission

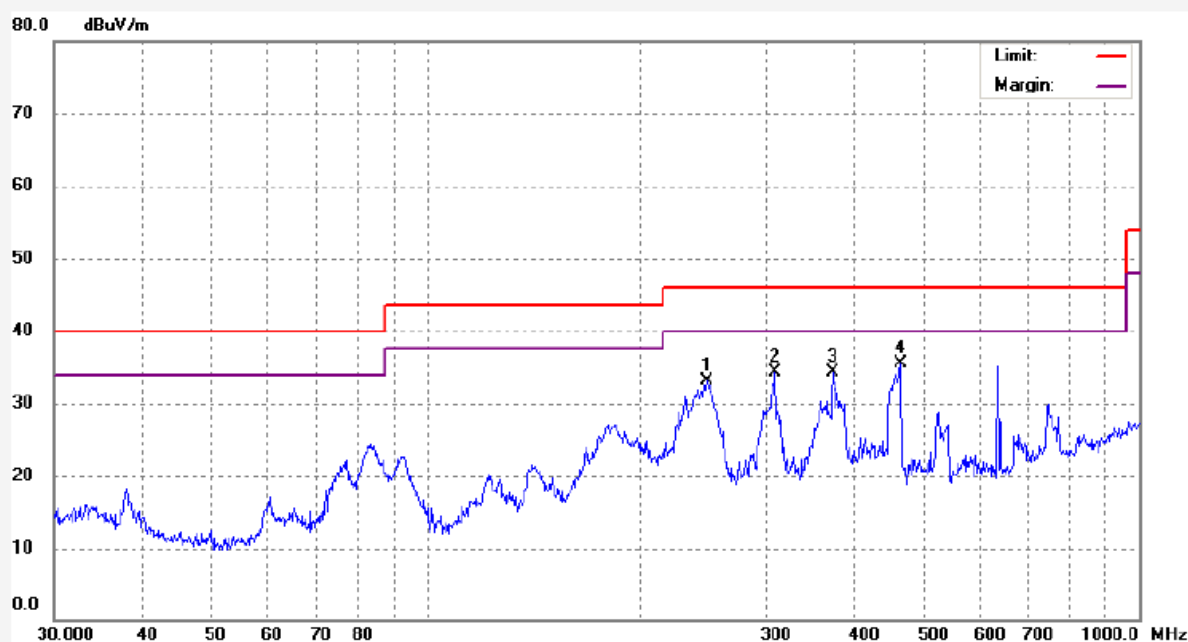
Product Type : LED TV
 M/N : LE2833
 Operating Condition : ATV
 Test specification : Vertical, middle channel, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1090.000	51.07	-18.23	32.84	74.00	-41.16	peak	
2	1090.000	45.33	-18.23	27.10	54.00	-26.90	AVG	
3	2210.000	46.51	-15.19	31.32	74.00	-42.68	peak	
4	2210.000	40.06	-15.19	24.87	54.00	-29.13	AVG	
5	2910.000	47.24	-14.76	32.48	74.00	-41.52	peak	
6	2910.000	40.89	-14.76	26.13	54.00	-27.87	AVG	
7	3705.000	45.93	-14.02	31.91	74.00	-42.09	peak	
8	3705.000	39.12	-14.02	25.10	54.00	-28.90	AVG	
9	4340.000	46.50	-12.96	33.54	74.00	-40.46	peak	
10	4340.000	40.23	-12.96	27.27	54.00	-26.73	AVG	
11	5535.000	46.23	-11.62	34.61	74.00	-39.39	peak	
12	5535.000	40.00	-11.62	28.38	54.00	-25.62	AVG	

Radiated Emission

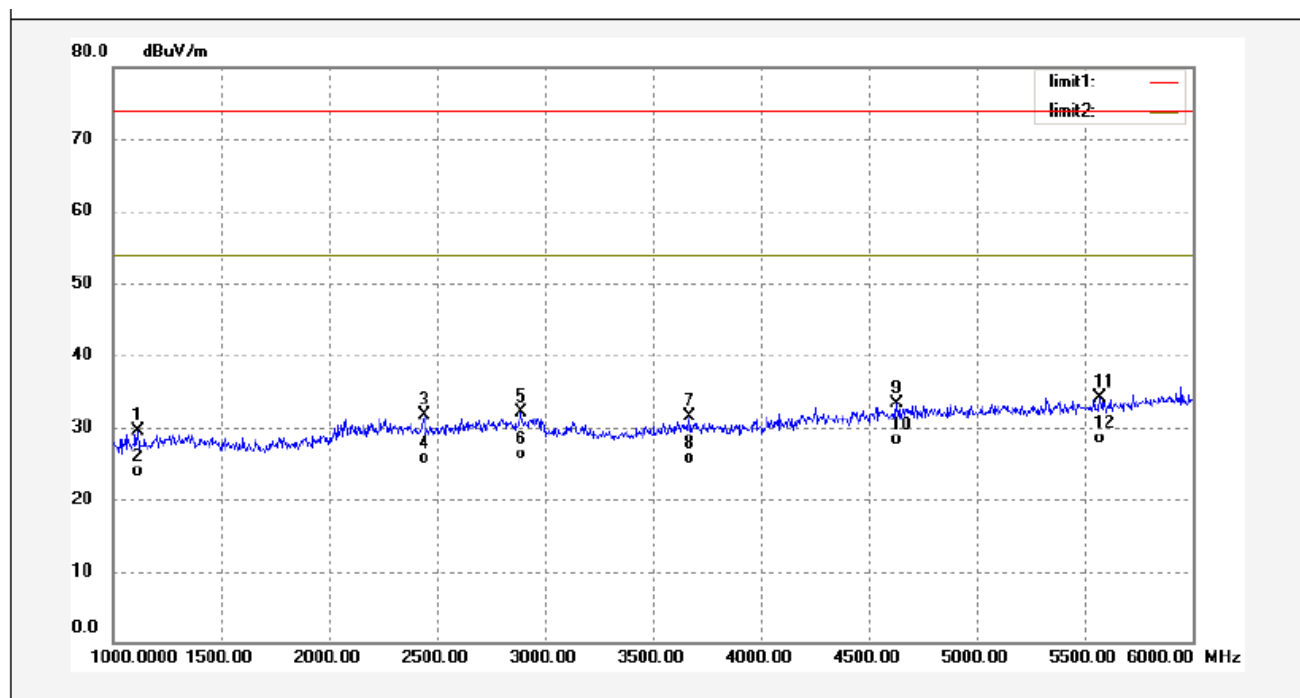
Product Type : LED TV
M/N : LE2833
Operating Condition : ATV
Test specification : Horizontal, middle channel, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	247.6819	54.75	-21.62	33.13	46.00	-12.87	peak	
2	308.9126	53.64	-19.38	34.26	46.00	-11.74	peak	
3	372.0045	51.86	-17.58	34.28	46.00	-11.72	peak	
4	462.3455	50.65	-15.05	35.60	46.00	-10.40	peak	

Radiated Emission

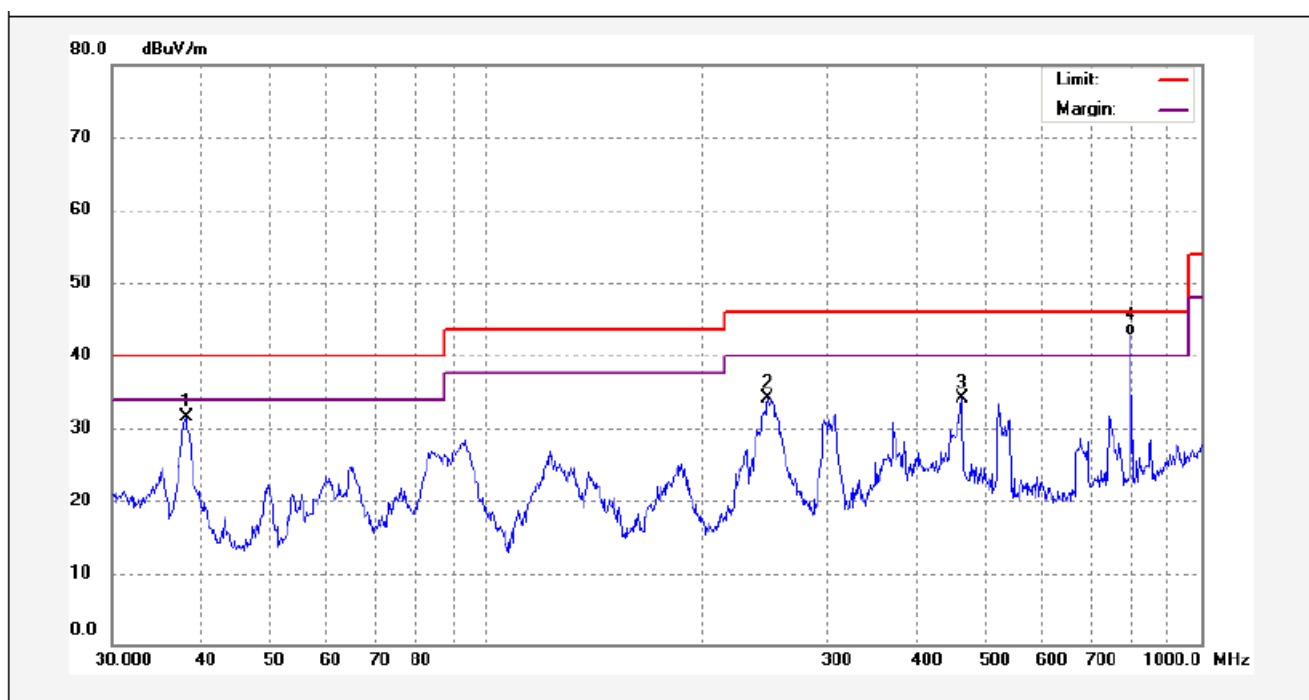
Product Type : LED TV
 M/N : LE2833
 Operating Condition : ATV
 Test specification : Horizontal, middle channel, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1115.000	47.65	-18.16	29.49	74.00	-44.51	peak	
2	1115.000	41.23	-18.16	23.07	54.00	-30.93	AVG	
3	2440.000	47.40	-15.70	31.70	74.00	-42.30	peak	
4	2440.000	40.56	-15.70	24.86	54.00	-29.14	AVG	
5	2890.000	46.85	-14.77	32.08	74.00	-41.92	peak	
6	2890.000	40.23	-14.77	25.46	54.00	-28.54	AVG	
7	3670.000	45.49	-14.07	31.42	74.00	-42.58	peak	
8	3670.000	38.99	-14.07	24.92	54.00	-29.08	AVG	
9	4630.000	45.76	-12.38	33.38	74.00	-40.62	peak	
10	4630.000	39.88	-12.38	27.50	54.00	-26.50	AVG	
11	5570.000	45.66	-11.58	34.08	74.00	-39.92	peak	
12	5570.000	39.23	-11.58	27.65	54.00	-26.35	AVG	

Radiated Emission

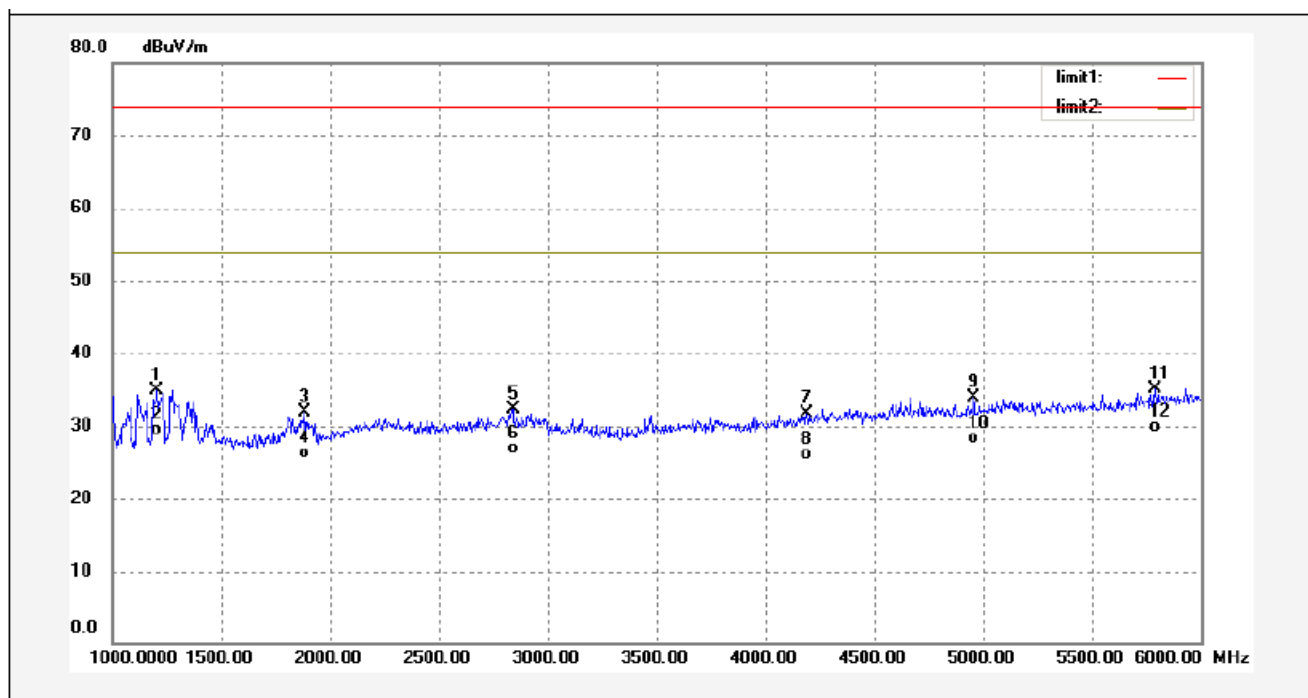
Product Type : LED TV
 M/N : LE2833
 Operating Condition : ATV
 Test specification : Vertical, high channel, 30MHz-1000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	38.0783	52.07	-20.59	31.48	40.00	-8.52	peak	
2	247.6819	55.86	-21.74	34.12	46.00	-11.88	peak	
3	462.3455	49.25	-15.20	34.05	46.00	-11.95	peak	
4	796.1830	50.90	-7.40	43.50	46.00	-2.50	QP	

Radiated Emission

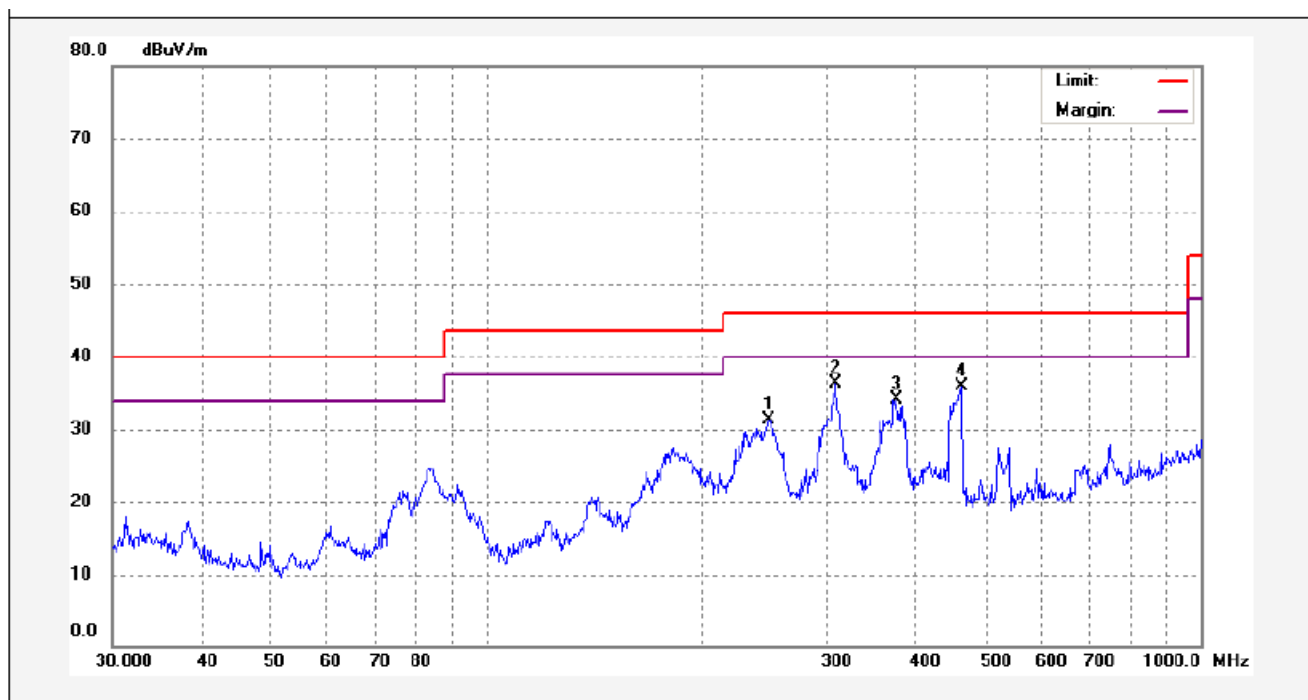
Product Type : LED TV
M/N : LE2833
Operating Condition : ATV
Test specification : Vertical, high channel, 1000MHz-6000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1205.000	52.59	-17.61	34.98	74.00	-39.02	peak	
2	1205.000	46.36	-17.61	28.75	54.00	-25.25	AVG	
3	1885.000	49.14	-17.27	31.87	74.00	-42.13	peak	
4	1885.000	42.77	-17.27	25.50	54.00	-28.50	AVG	
5	2840.000	47.11	-14.81	32.30	74.00	-41.70	peak	
6	2840.000	40.89	-14.81	26.08	54.00	-27.92	AVG	
7	4190.000	44.84	-13.20	31.64	74.00	-42.36	peak	
8	4190.000	38.55	-13.20	25.35	54.00	-28.65	AVG	
9	4955.000	45.69	-11.78	33.91	74.00	-40.09	peak	
10	4955.000	39.23	-11.78	27.45	54.00	-26.55	AVG	
11	5790.000	46.24	-11.07	35.17	74.00	-38.83	peak	
12	5790.000	40.23	-11.07	29.16	54.00	-24.84	AVG	

Radiated Emission

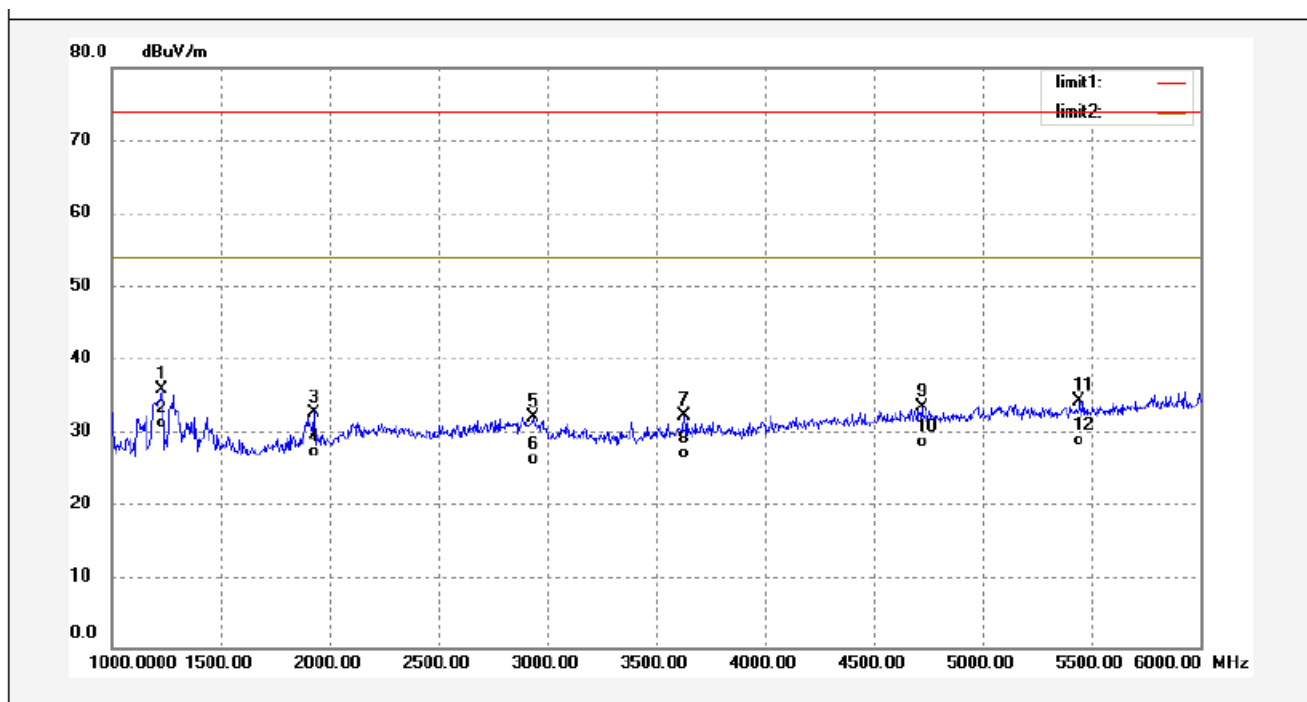
Product Type : LED TV
M/N : LE2833
Operating Condition : ATV
Test specification : Horizontal, high channel, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	248.5519	52.93	-21.59	31.34	46.00	-14.66	peak	
2	307.8313	55.67	-19.41	36.26	46.00	-9.74	peak	
3	374.6225	51.63	-17.50	34.13	46.00	-11.87	peak	
4	463.9696	50.97	-15.02	35.95	46.00	-10.05	peak	

Radiated Emission

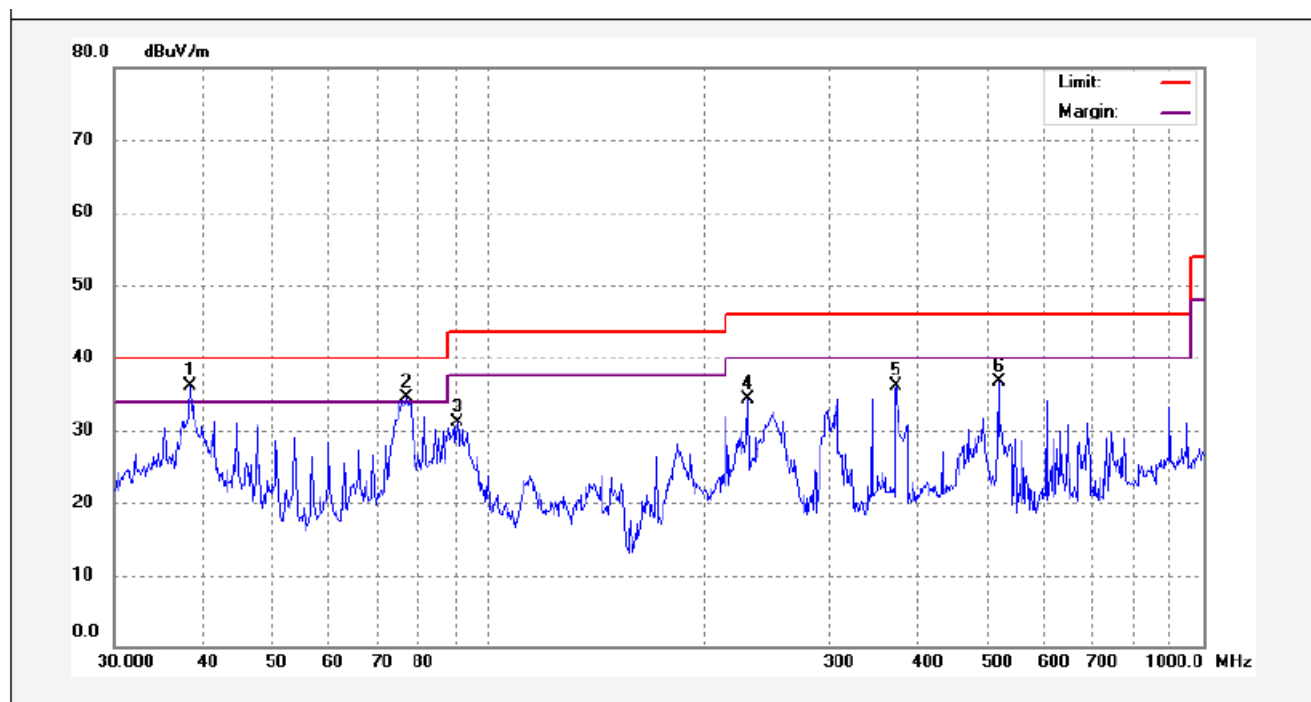
Product Type : LED TV
 M/N : LE2833
 Operating Condition : ATV
 Test specification : Horizontal, high channel, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1230.000	53.11	-17.39	35.72	74.00	-38.28	peak	
2	1230.000	47.66	-17.39	30.27	54.00	-23.73	AVG	
3	1930.000	49.71	-17.11	32.60	74.00	-41.40	peak	
4	1930.000	43.45	-17.11	26.34	54.00	-27.66	AVG	
5	2935.000	46.74	-14.77	31.97	74.00	-42.03	peak	
6	2935.000	40.15	-14.77	25.38	54.00	-28.62	AVG	
7	3630.000	46.25	-14.11	32.14	74.00	-41.86	peak	
8	3630.000	40.22	-14.11	26.11	54.00	-27.89	AVG	
9	4720.000	45.47	-12.13	33.34	74.00	-40.66	peak	
10	4720.000	39.88	-12.13	27.75	54.00	-26.25	AVG	
11	5445.000	45.90	-11.70	34.20	74.00	-39.80	peak	
12	5445.000	39.55	-11.70	27.85	54.00	-26.15	AVG	

Radiated Emission

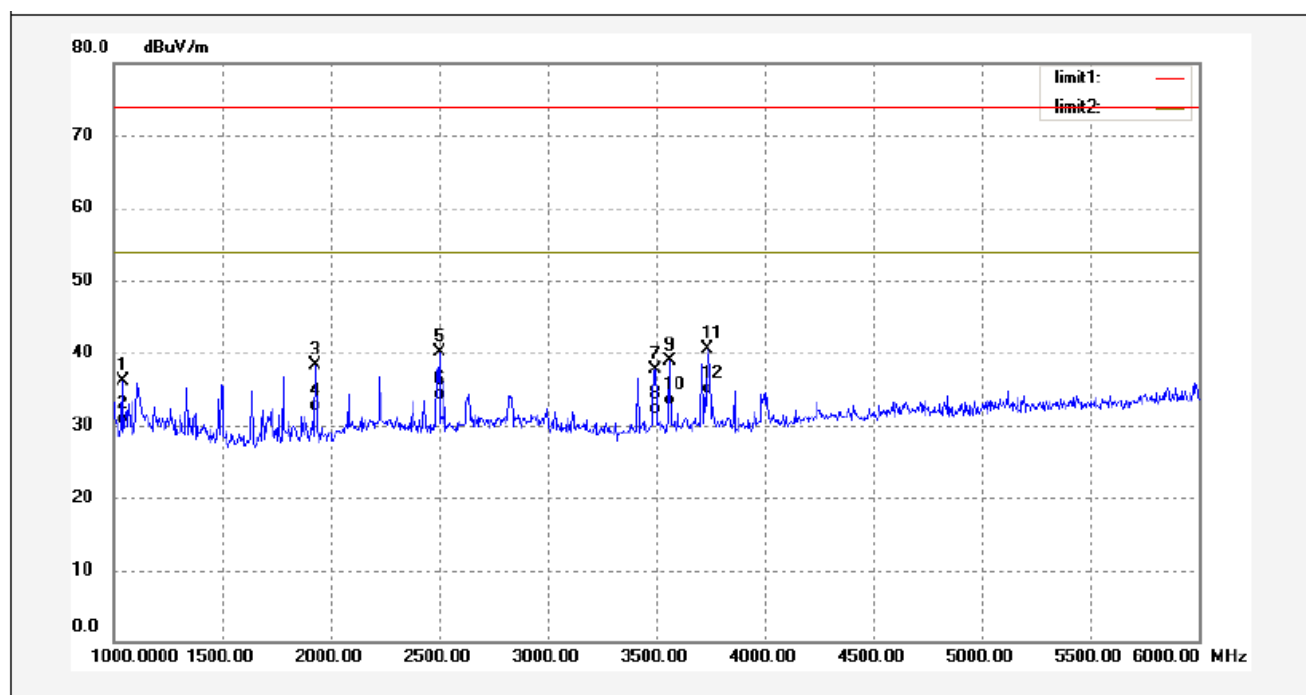
Product Type : LED TV
M/N : LE2833
Operating Condition : HDMI
Test specification : Vertical, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	38.3462	55.03	-18.86	36.17	40.00	-3.83	peak	
2	77.0505	61.17	-26.65	34.52	40.00	-5.48	peak	
3	90.5374	55.14	-24.10	31.04	43.50	-12.46	peak	
4	230.9068	55.38	-21.16	34.22	46.00	-11.78	peak	
5	372.0045	53.41	-17.23	36.18	46.00	-9.82	peak	
6	517.2480	50.81	-14.12	36.69	46.00	-9.31	peak	

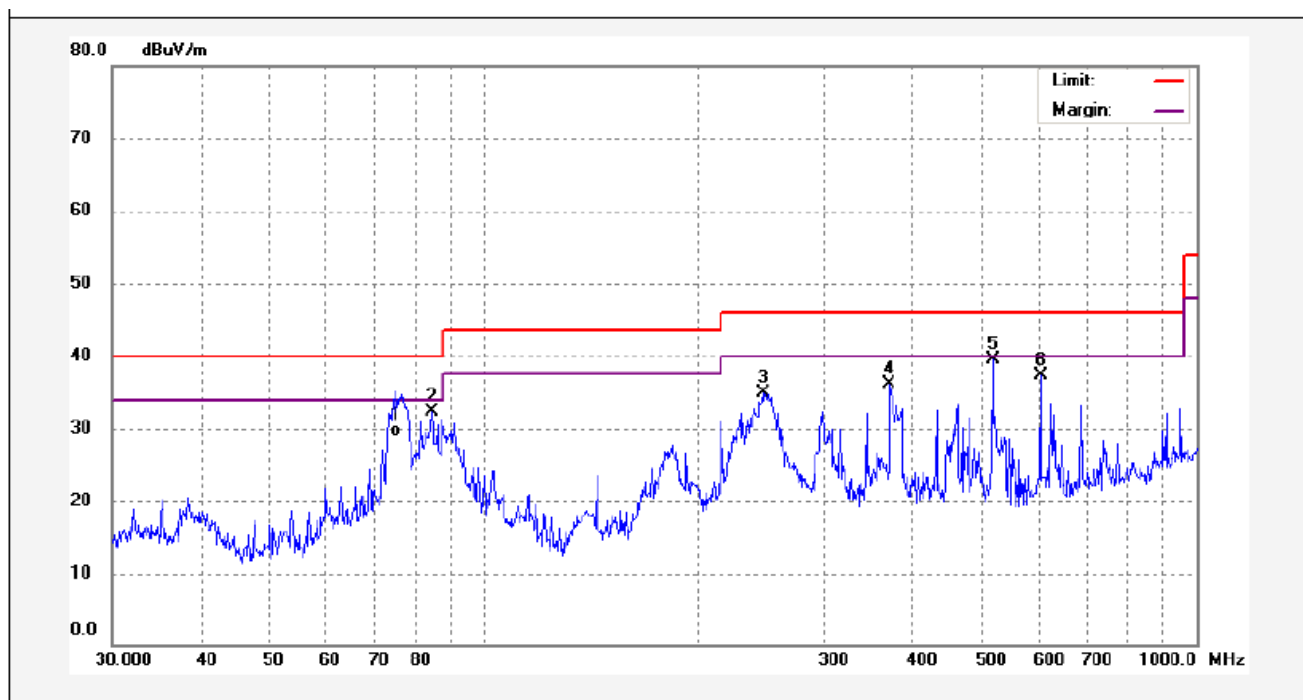
Radiated Emission

Product Type : LED TV
 M/N : LE2833
 Operating Condition : HDMI
 Test specification : Vertical, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



Radiated Emission

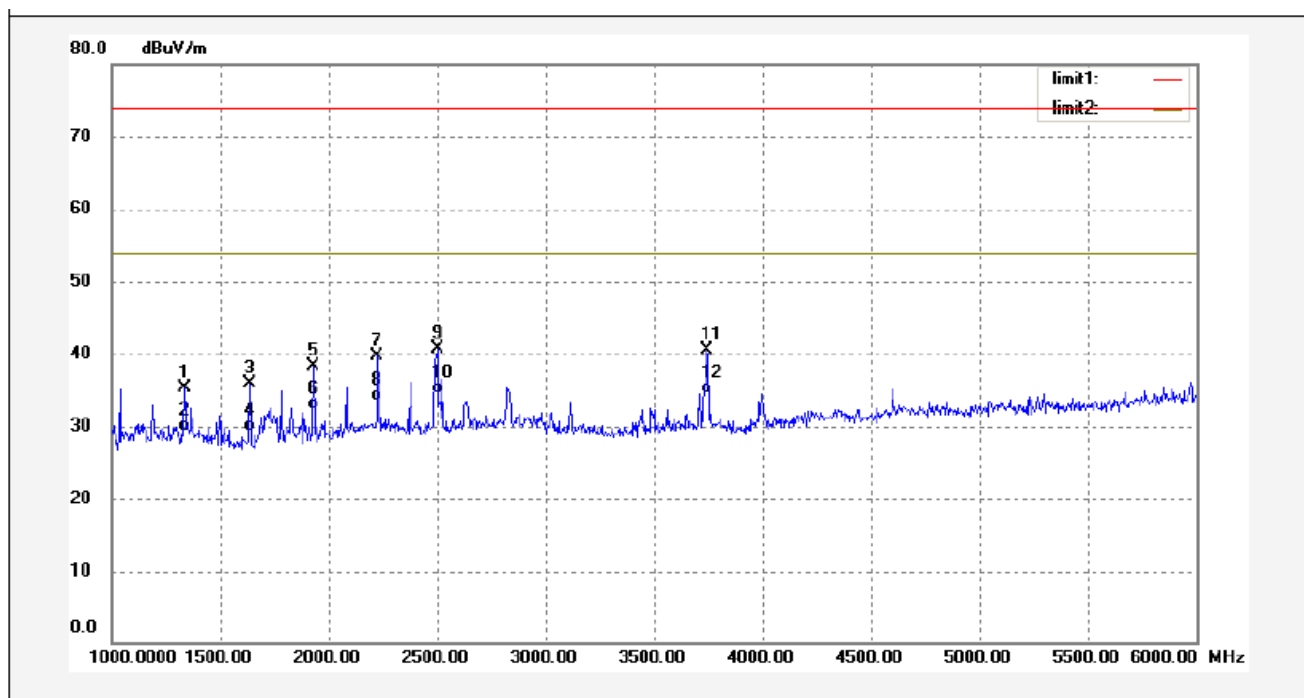
Product Type : LED TV
M/N : LE2833
Operating Condition : HDMI
Test specification : Horizontal, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	75.1822	56.42	-26.62	29.80	40.00	-10.20	QP	
2	84.4054	58.32	-25.97	32.35	40.00	-7.65	peak	
3	245.9509	57.02	-22.17	34.85	46.00	-11.15	peak	
4	370.7023	53.21	-17.15	36.06	46.00	-9.94	peak	
5	517.2479	53.57	-14.13	39.44	46.00	-6.56	peak	
6	603.5391	49.26	-11.88	37.38	46.00	-8.62	peak	

Radiated Emission

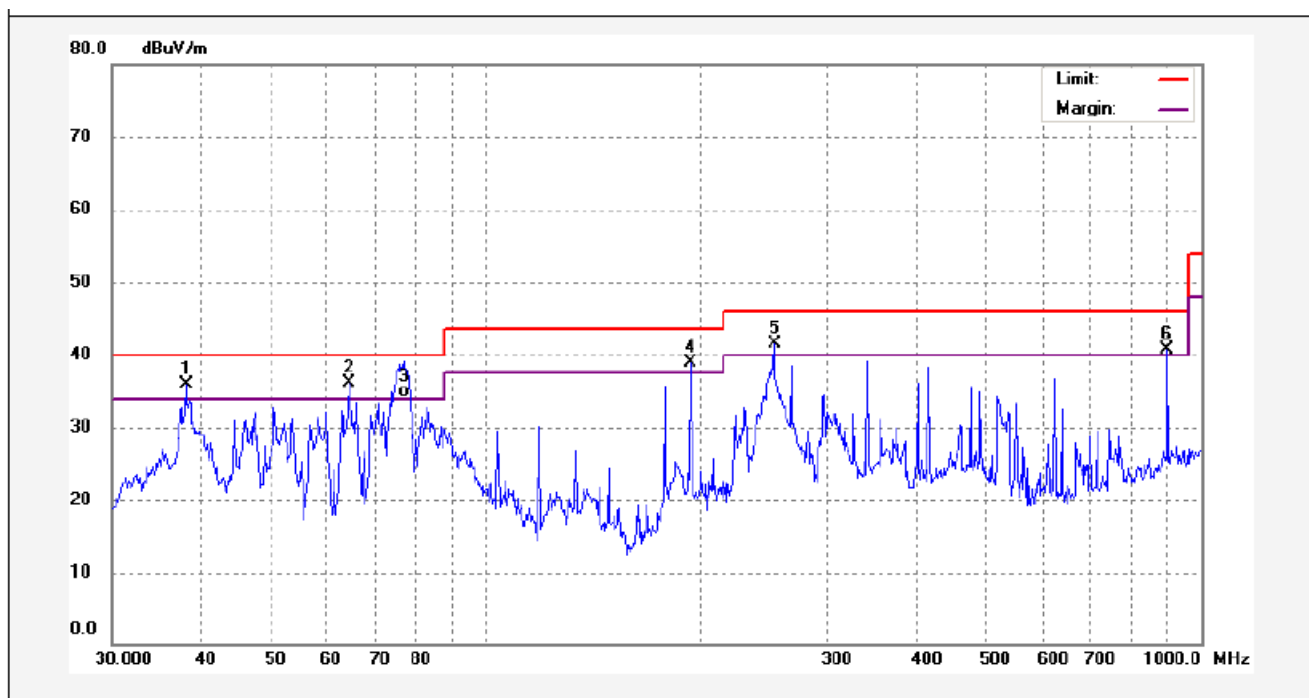
Product Type : LED TV
M/N : LE2833
Operating Condition : HDMI
Test specification : Horizontal, 1000MHz-6000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1335.000	52.38	-17.08	35.30	74.00	-38.70	peak	
2	1335.000	46.45	-17.08	29.37	54.00	-24.63	AVG	
3	1635.000	53.93	-17.95	35.98	74.00	-38.02	peak	
4	1635.000	47.33	-17.95	29.38	54.00	-24.62	AVG	
5	1930.000	55.34	-17.11	38.23	74.00	-35.77	peak	
6	1930.000	49.32	-17.11	32.21	54.00	-21.79	AVG	
7	2225.000	54.76	-15.15	39.61	74.00	-34.39	peak	
8	2225.000	48.66	-15.15	33.51	54.00	-20.49	AVG	
9	2500.000	56.27	-15.65	40.62	74.00	-33.38	peak	
10	2500.000	50.12	-15.65	34.47	54.00	-19.53	AVG	
11	3745.000	54.32	-13.91	40.41	74.00	-33.59	peak	
12	3745.000	48.36	-13.91	34.45	54.00	-19.55	AVG	

Radiated Emission

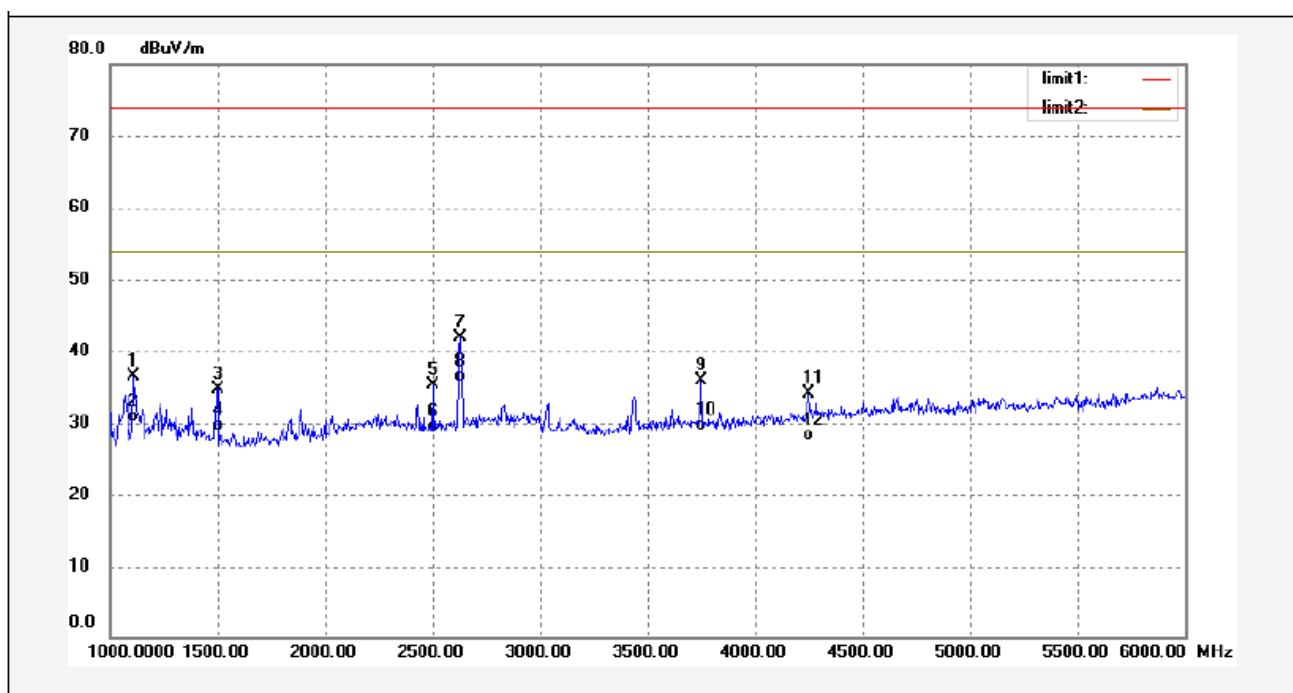
Product Type : LED TV
M/N : LE2833
Operating Condition : VGA
Test specification : Vertical, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	38.0783	54.58	-18.77	35.81	40.00	-4.19	peak	
2	64.4331	60.61	-24.49	36.12	40.00	-3.88	peak	
3	76.7808	61.65	-26.65	35.00	40.00	-5.00	QP	
4	193.0944	61.41	-22.49	38.92	43.50	-4.58	peak	
5	252.9482	63.05	-21.47	41.58	46.00	-4.42	peak	
6	896.9965	46.79	-6.07	40.72	46.00	-5.28	peak	

Radiated Emission

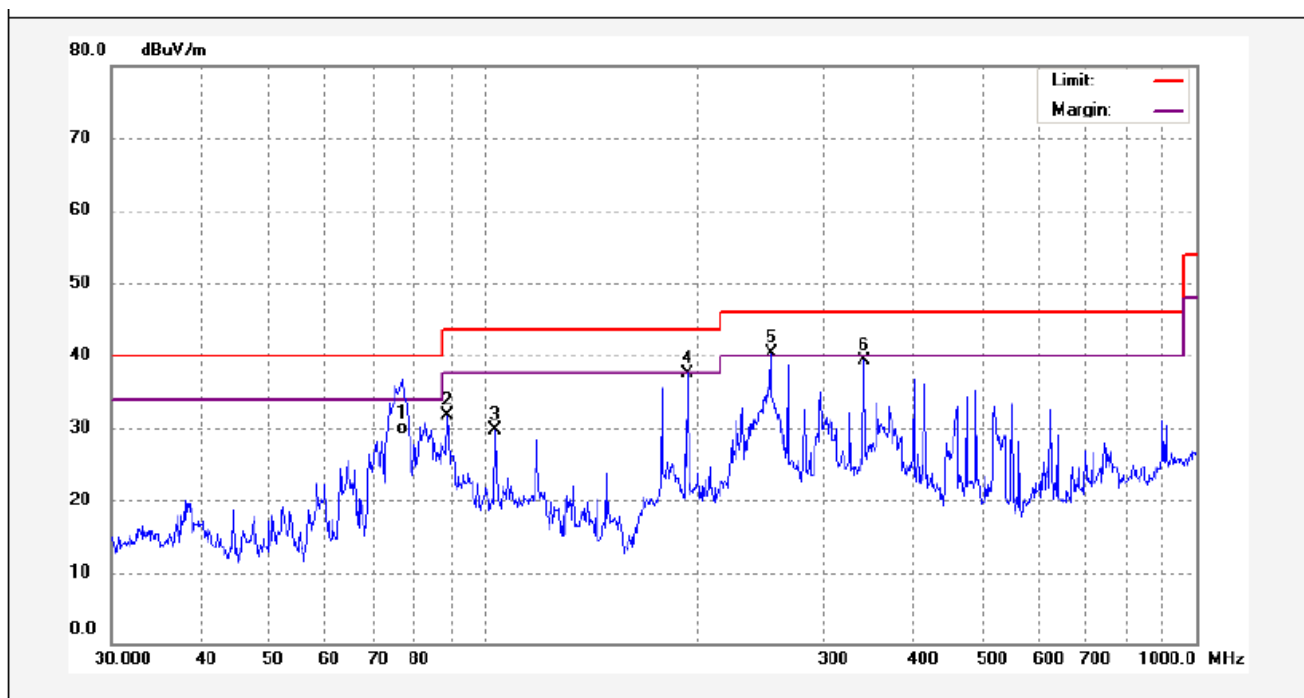
Product Type : LED TV
 M/N : LE2833
 Operating Condition : VGA
 Test specification : Vertical, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1110.000	54.71	-18.17	36.54	74.00	-37.46	peak	
2	1110.000	48.23	-18.17	30.06	54.00	-23.94	AVG	
3	1500.000	52.35	-17.58	34.77	74.00	-39.23	peak	
4	1500.000	46.45	-17.58	28.87	54.00	-25.13	AVG	
5	2500.000	50.97	-15.65	35.32	74.00	-38.68	peak	
6	2500.000	44.36	-15.65	28.71	54.00	-25.29	AVG	
7	2630.000	57.17	-15.33	41.84	74.00	-32.16	peak	
8	2630.000	51.02	-15.33	35.69	54.00	-18.31	AVG	
9	3750.000	49.71	-13.89	35.82	74.00	-38.18	peak	
10	3750.000	42.89	-13.89	29.00	54.00	-25.00	AVG	
11	4250.000	47.13	-13.08	34.05	74.00	-39.95	peak	
12	4250.000	40.56	-13.08	27.48	54.00	-26.52	AVG	

Radiated Emission

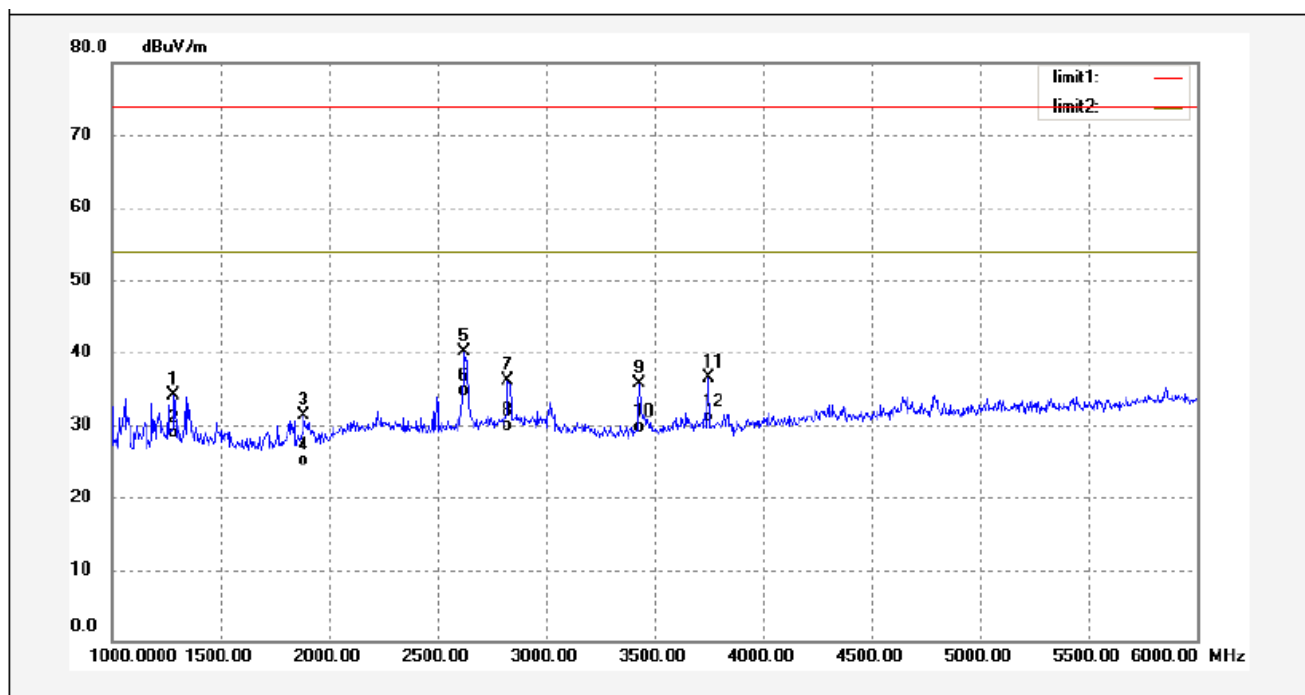
Product Type : LED TV
M/N : LE2833
Operating Condition : VGA
Test specification : Horizontal, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	77.0505	56.55	-26.65	29.90	40.00	-10.10	QP	
2	88.9639	56.24	-24.59	31.65	43.50	-11.85	peak	
3	103.8055	51.61	-21.84	29.77	43.50	-13.73	peak	
4	193.0945	60.04	-22.49	37.55	43.50	-5.95	peak	
5	252.9482	61.68	-21.47	40.21	46.00	-5.79	peak	
6	341.9786	56.74	-17.40	39.34	46.00	-6.66	peak	

Radiated Emission

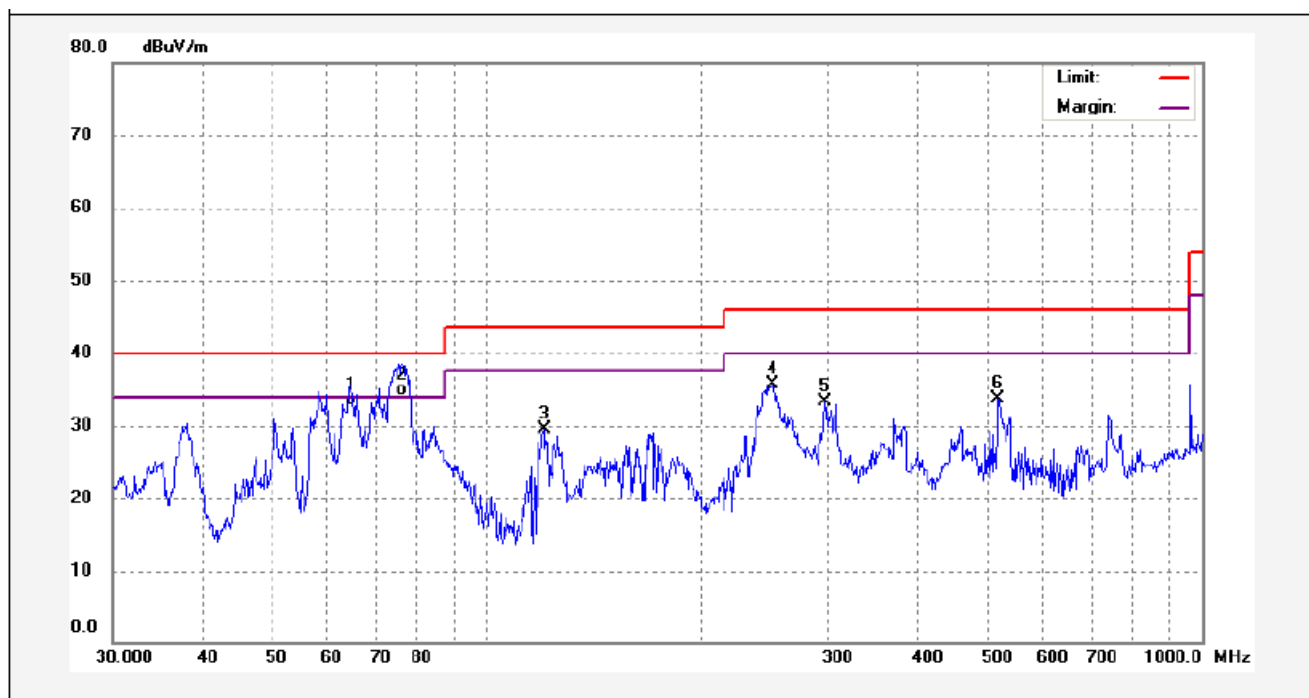
Product Type : LED TV
 M/N : LE2833
 Operating Condition : VGA
 Test specification : Horizontal, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1285.000	51.33	-17.20	34.13	74.00	-39.87	peak	
2	1285.000	45.33	-17.20	28.13	54.00	-25.87	AVG	
3	1885.000	48.67	-17.27	31.40	74.00	-42.60	peak	
4	1885.000	41.58	-17.27	24.31	54.00	-29.69	AVG	
5	2625.000	55.44	-15.34	40.10	74.00	-33.90	peak	
6	2625.000	49.21	-15.34	33.87	54.00	-20.13	AVG	
7	2825.000	50.89	-14.80	36.09	74.00	-37.91	peak	
8	2825.000	43.89	-14.80	29.09	54.00	-24.91	AVG	
9	3430.000	50.33	-14.70	35.63	74.00	-38.37	peak	
10	3430.000	43.56	-14.70	28.86	54.00	-25.14	AVG	
11	3750.000	50.38	-13.89	36.49	74.00	-37.51	peak	
12	3750.000	44.23	-13.89	30.34	54.00	-23.66	AVG	

Radiated Emission

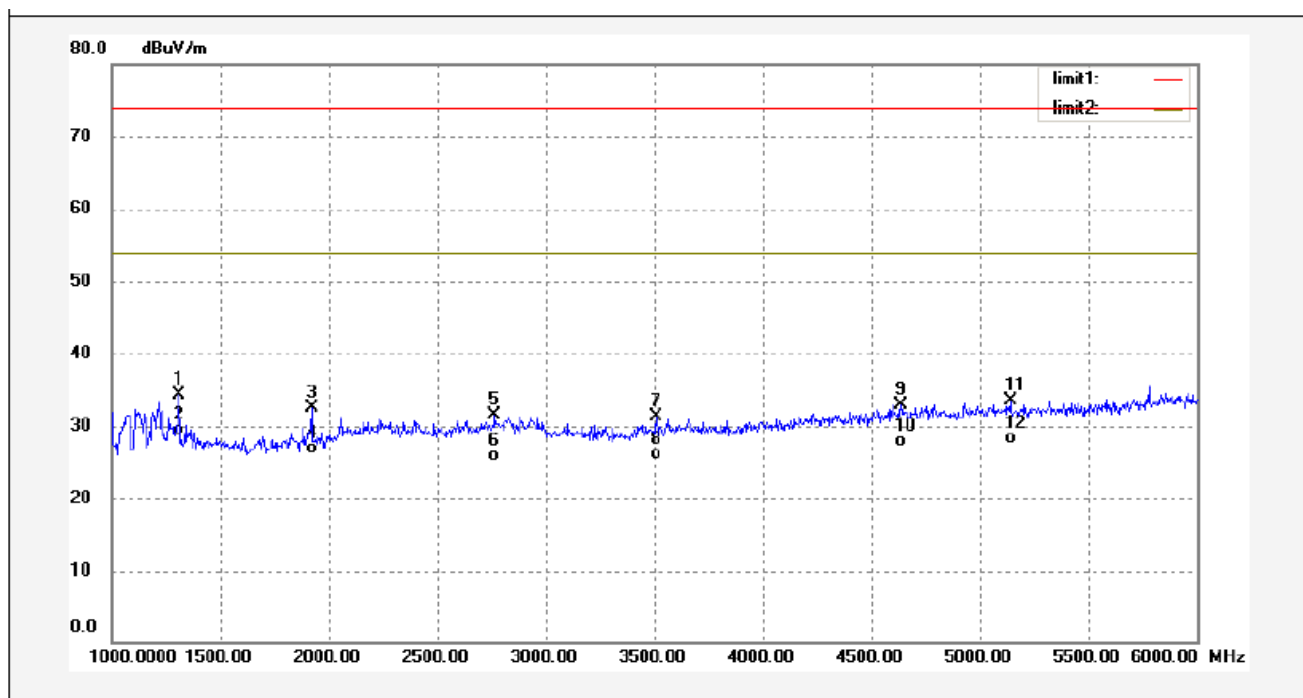
Product Type : LED TV
M/N : LE2833
Operating Condition : USB
Test specification : Vertical, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	64.6594	56.76	-23.26	33.50	40.00	-6.50	QP	
2	76.2442	58.52	-23.52	35.00	40.00	-5.00	QP	
3	120.2766	52.52	-23.09	29.43	43.50	-14.07	peak	
4	251.1804	57.26	-21.58	35.68	46.00	-10.32	peak	
5	297.2241	53.11	-19.76	33.35	46.00	-12.65	peak	
6	519.0649	47.54	-13.81	33.73	46.00	-12.27	peak	

Radiated Emission

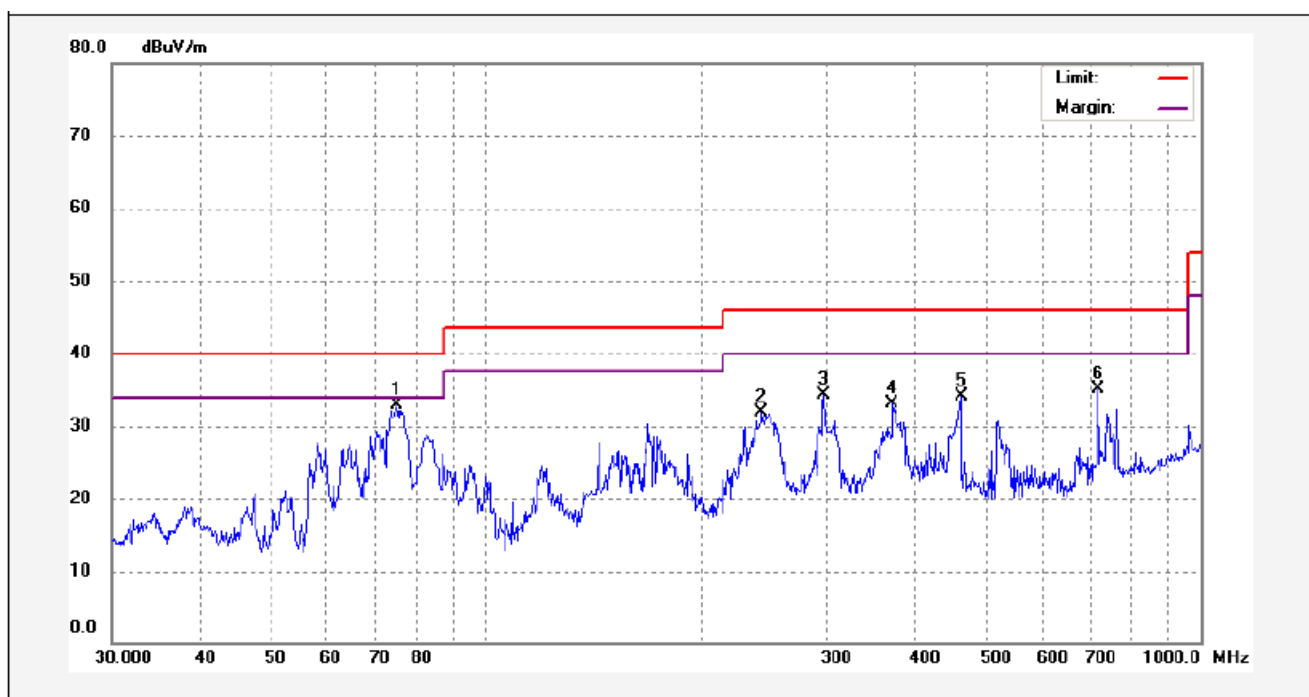
Product Type : LED TV
M/N : LE2833
Operating Condition : USB
Test specification : vertical, 1000MHz-6000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1310.000	51.44	-17.16	34.28	74.00	-39.72	peak	
2	1310.000	45.88	-17.16	28.72	54.00	-25.28	AVG	
3	1920.000	49.72	-17.15	32.57	74.00	-41.43	peak	
4	1920.000	43.25	-17.15	26.10	54.00	-27.90	AVG	
5	2765.000	46.47	-14.89	31.58	74.00	-42.42	peak	
6	2765.000	40.01	-14.89	25.12	54.00	-28.88	AVG	
7	3510.000	45.69	-14.32	31.37	74.00	-42.63	peak	
8	3510.000	39.66	-14.32	25.34	54.00	-28.66	AVG	
9	4635.000	45.37	-12.37	33.00	74.00	-41.00	peak	
10	4635.000	39.55	-12.37	27.18	54.00	-26.82	AVG	
11	5140.000	45.00	-11.48	33.52	74.00	-40.48	peak	
12	5140.000	39.02	-11.48	27.54	54.00	-26.46	AVG	

Radiated Emission

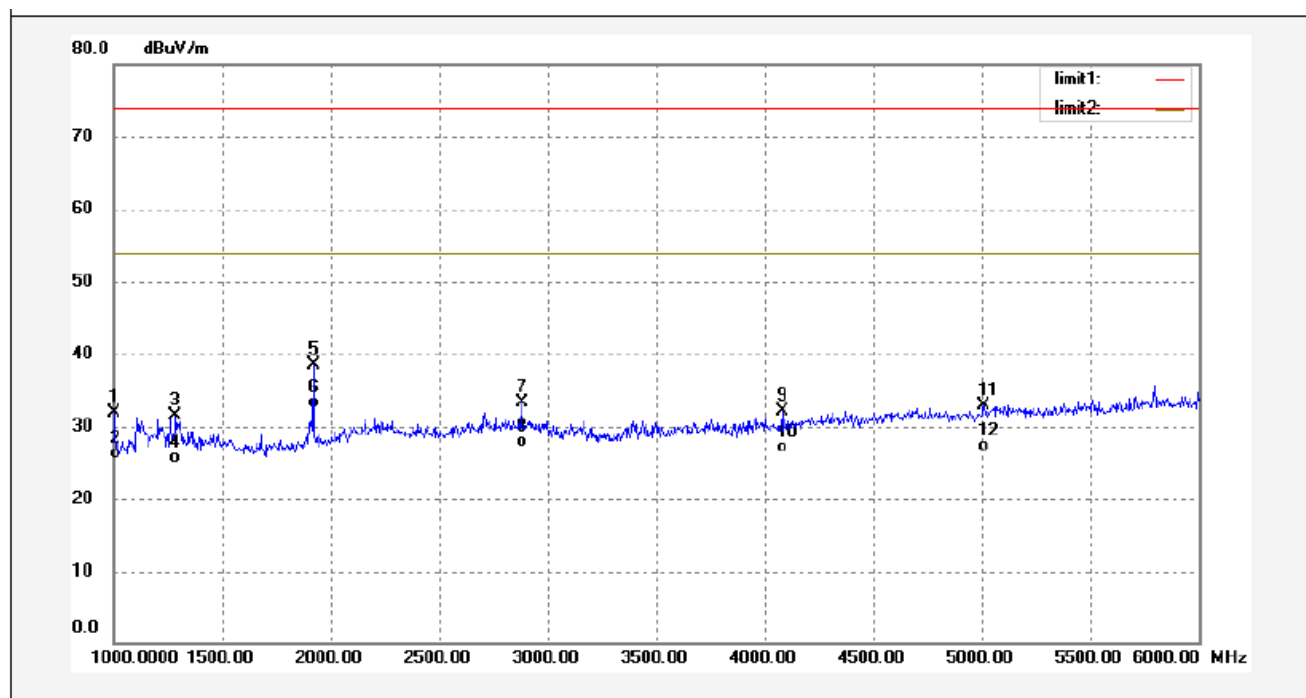
Product Type : LED TV
M/N : LE2833
Operating Condition : USB
Test specification : Horizontal, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	75.1822	57.37	-24.50	32.87	40.00	-7.13	peak	
2	243.3772	53.65	-21.76	31.89	46.00	-14.11	peak	
3	297.2241	54.05	-19.74	34.31	46.00	-11.69	peak	
4	370.7023	50.72	-17.62	33.10	46.00	-12.90	peak	
5	462.3455	49.19	-15.05	34.14	46.00	-11.86	peak	
6	719.1995	44.32	-9.18	35.14	46.00	-10.86	peak	

Radiated Emission

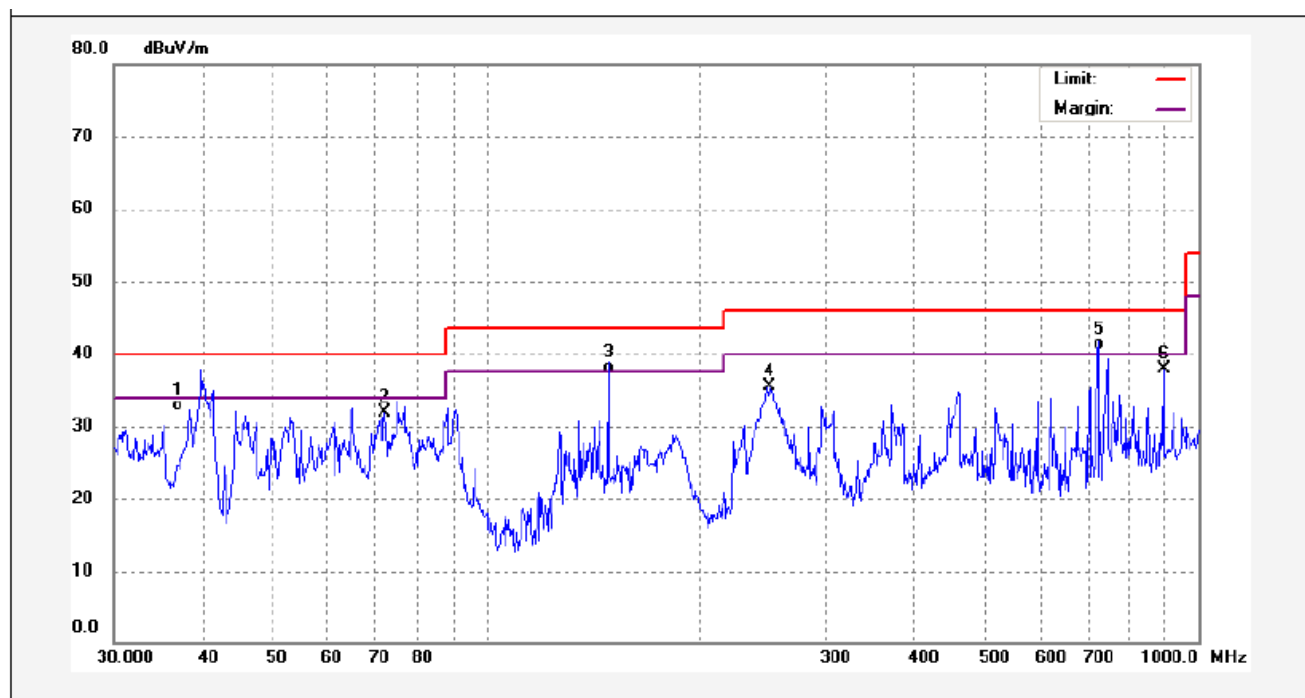
Product Type : LED TV
M/N : LE2833
Operating Condition : USB
Test specification : Horizontal, 1000MHz-6000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1000.0000	49.95	-18.08	31.87	74.00	-42.13	peak	
2	1000.0000	43.56	-18.08	25.48	54.00	-28.52	AVG	
3	1285.0000	48.78	-17.20	31.58	74.00	-42.42	peak	
4	1285.0000	42.15	-17.20	24.95	54.00	-29.05	AVG	
5	1920.0000	55.69	-17.15	38.54	74.00	-35.46	peak	
6	1920.0000	49.66	-17.15	32.51	54.00	-21.49	AVG	
7	2880.0000	48.02	-14.78	33.24	74.00	-40.76	peak	
8	2880.0000	41.88	-14.78	27.10	54.00	-26.90	AVG	
9	4085.0000	45.36	-13.33	32.03	74.00	-41.97	peak	
10	4085.0000	39.56	-13.33	26.23	54.00	-27.77	AVG	
11	5010.0000	44.50	-11.68	32.82	74.00	-41.18	peak	
12	5010.0000	38.22	-11.68	26.54	54.00	-27.46	AVG	

Radiated Emission

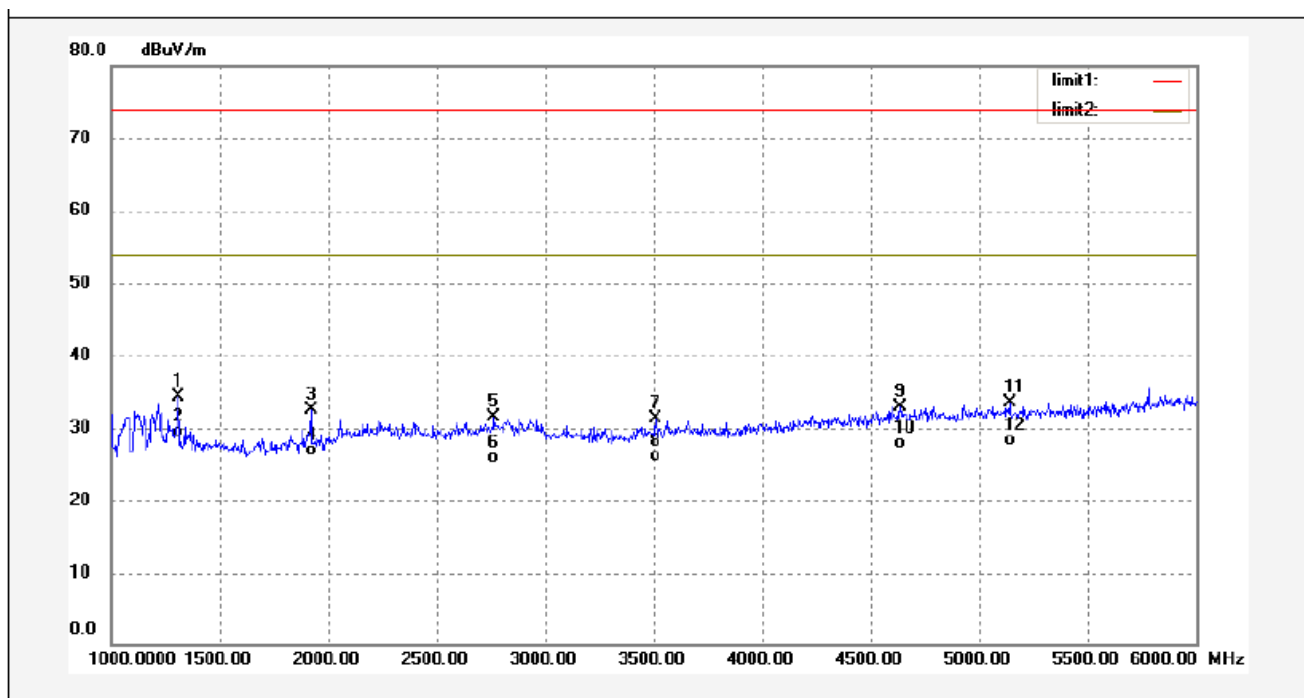
Product Type : LED TV
M/N : LE2833
Operating Condition : AV
Test specification : Vertical, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	36.9335	53.24	-20.34	32.90	40.00	-7.10	QP	
2	72.0843	55.31	-23.31	32.00	40.00	-8.00	peak	
3	148.4410	59.06	-20.86	38.20	43.50	-5.30	QP	
4	250.3012	57.15	-21.63	35.52	46.00	-10.48	peak	
5	721.6211	50.57	-9.17	41.40	46.00	-4.60	QP	
6	893.8567	43.51	-5.62	37.89	46.00	-8.11	peak	

Radiated Emission

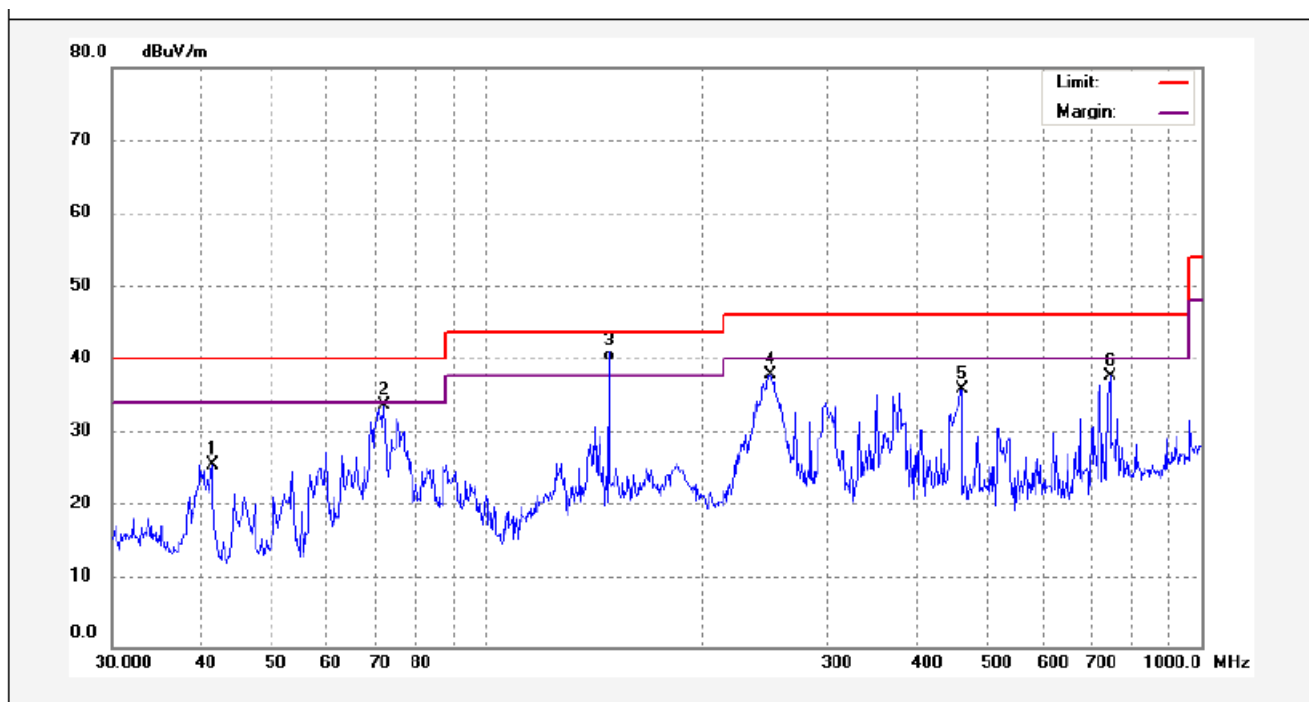
Product Type : LED TV
M/N : LE2833
Operating Condition : AV
Test specification : Vertical, 1000MHz-6000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1310.000	51.44	-17.16	34.28	74.00	-39.72	peak	
2	1310.000	45.88	-17.16	28.72	54.00	-25.28	AVG	
3	1920.000	49.72	-17.15	32.57	74.00	-41.43	peak	
4	1920.000	43.25	-17.15	26.10	54.00	-27.90	AVG	
5	2765.000	46.47	-14.89	31.58	74.00	-42.42	peak	
6	2765.000	40.01	-14.89	25.12	54.00	-28.88	AVG	
7	3510.000	45.69	-14.32	31.37	74.00	-42.63	peak	
8	3510.000	39.66	-14.32	25.34	54.00	-28.66	AVG	
9	4635.000	45.37	-12.37	33.00	74.00	-41.00	peak	
10	4635.000	39.55	-12.37	27.18	54.00	-26.82	AVG	
11	5140.000	45.00	-11.48	33.52	74.00	-40.48	peak	
12	5140.000	39.02	-11.48	27.54	54.00	-26.46	AVG	

Radiated Emission

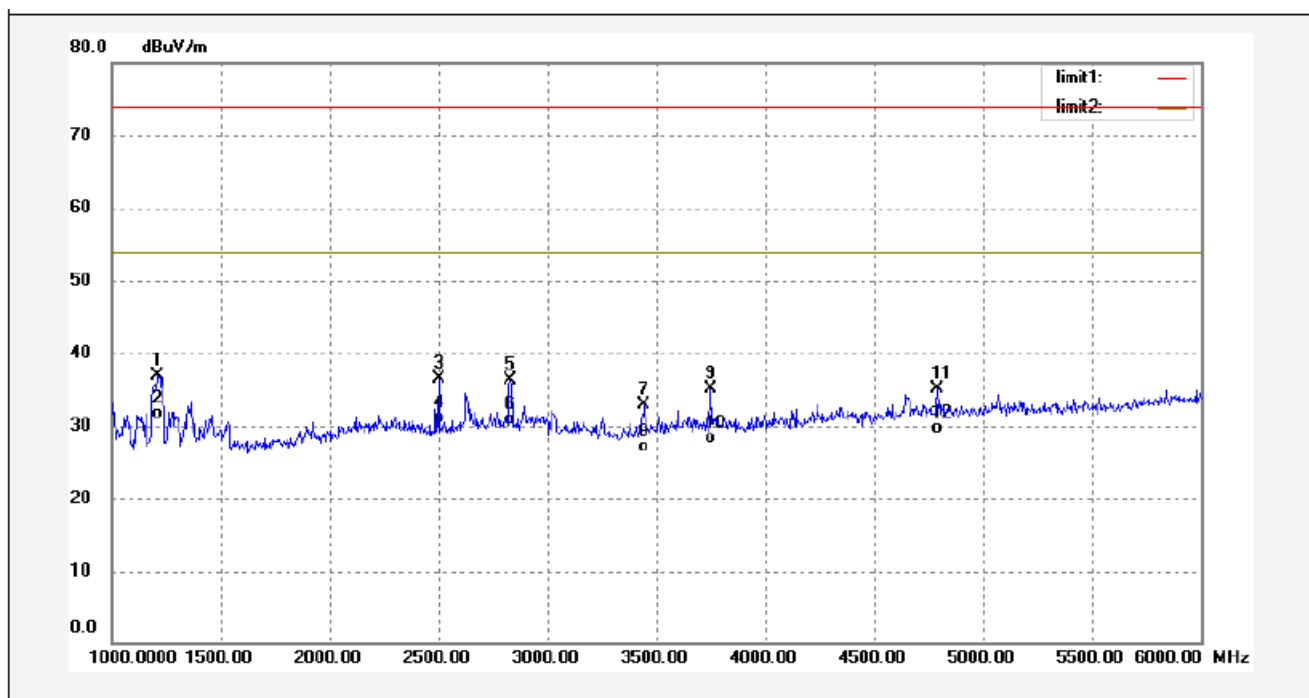
Product Type : LED TV
M/N : LE2833
Operating Condition : AV
Test specification : Horizontal, 30MHz-1000MHz
Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	41.4215	44.50	-19.17	25.33	40.00	-14.67	peak	
2	72.0843	57.28	-23.73	33.55	40.00	-6.45	peak	
3	148.5210	61.13	-20.83	40.30	43.50	-3.20	QP	
4	249.4250	59.24	-21.56	37.68	46.00	-8.32	peak	
5	462.3455	50.84	-15.05	35.79	46.00	-10.21	peak	
6	744.8661	45.88	-8.28	37.60	46.00	-8.40	peak	

Radiated Emission

Product Type : LED TV
 M/N : LE2833
 Operating Condition : AV
 Test specification : Horizontal, 1000MHz-6000MHz
 Comment : AC 120V/60Hz



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	1210.000	54.40	-17.57	36.83	74.00	-37.17	peak	
2	1210.000	48.55	-17.57	30.98	54.00	-23.02	AVG	
3	2500.000	52.12	-15.65	36.47	74.00	-37.53	peak	
4	2500.000	45.99	-15.65	30.34	54.00	-23.66	AVG	
5	2830.000	51.03	-14.80	36.23	74.00	-37.77	peak	
6	2830.000	44.88	-14.80	30.08	54.00	-23.92	AVG	
7	3445.000	47.47	-14.64	32.83	74.00	-41.17	peak	
8	3445.000	41.02	-14.64	26.38	54.00	-27.62	AVG	
9	3750.000	48.95	-13.89	35.06	74.00	-38.94	peak	
10	3750.000	41.36	-13.89	27.47	54.00	-26.53	AVG	
11	4790.000	47.09	-11.99	35.10	74.00	-38.90	peak	
12	4790.000	40.89	-11.99	28.90	54.00	-25.10	AVG	

**Test Equipment List****Radiated Emission Test**

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL DUE DATE
EMC Analyzer	Agilent	E7405A	MY45114943	August 8, 2014
Trilog Broadband Antenna	SCHWARZBECK	VULB9163	336	August 8, 2014
Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	667	August 8, 2014
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-148	August 8, 2014
Coaxial Cable (above 1GHz)	SCHWARZBECK	AK 9515 H	EW02014-1	August 8, 2014
Coaxial Cable (below 1GHz)	Top	TYPE16(13M)	EW02014-4	August 8, 2014
Positioning Controller	C&C LAB	CC-C-IF	--	--
Color Monitor	SUNSP0	SP-14C	--	--

7.3 Antenna conducted power

Test Method

- 1 The EUT was placed on a table, which is 0.8m above ground plane
- 2 Maximum procedures was performed to ensure EUT compliance
- 3 A impedance matching pad(75ohm/50ohm) is used for the test from the tuner to the receiver input port.
- 4 A EMI test receiver (R&S Test Receiver ESCS30) is used to test the emissions from the antenna port through the impedance matching pad.

Limit

Frequency MHz	Power nW	Voltage dB μ V	Detector
30-5000	2	51.8	PK

Remark: During the Antenna conducted power test, all the channels in ATV mode, DTV mode are applied, and the results are met the limit of requirement, the test data which listed in the report are the typical channels of Low Middle and High.

Antenna conducted power

Test Mode	DTV Low channel		Frequency range	30M-1000MHz	
Frequency (MHz)	Emission level (dBμv)	Reading level (dBμv)	Connection factor(dB)	Limit (dBμv)	Margin (dB)
59.2	37.2	23.48	13.72	51.8	14.6
84.6	37.41	23.67	13.74	51.8	14.39

Test Mode	DTV Middle channel		Frequency range	30M-2000MHz	
Frequency (MHz)	Emission level (dBμv)	Reading level (dBμv)	Connection factor(dB)	Limit (dBμv)	Margin (dB)
33.2	32.98	19.28	13.7	51.8	18.82
47.8	32.97	19.26	13.71	51.8	18.83

Test Mode	DTV High channel		Frequency range	30M-5000MHz	
Frequency (MHz)	Emission level (dBμv)	Reading level (dBμv)	Connection factor(dB)	Limit (dBμv)	Margin (dB)
86.8	34.62	10.44	24.18	51.8	17.18
950.6	30.62	16.17	14.45	51.8	21.18

Antenna conducted power

Test Mode	ATV Low channel		Frequency range	30M-1000MHz	
Frequency (MHz)	Emission level (dB μ v)	Reading level (dB μ v)	Connection factor(dB)	Limit (dB μ v)	Margin (dB)
49.4	37.09	23.38	13.71	51.8	14.71
246.6	35.5	21.64	13.86	51.8	16.3

Test Mode	ATV Middle channel		Frequency range	30M-5000MHz	
Frequency (MHz)	Emission level (dB μ v)	Reading level (dB μ v)	Connection factor(dB)	Limit (dB μ v)	Margin (dB)
39.1	32.16	18.45	13.71	51.8	19.64
96.4	33.18	19.43	13.75	51.8	18.62

Test Mode	ATV High channel		Frequency range	30M-5000MHz	
Frequency (MHz)	Emission level (dB μ v)	Reading level (dB μ v)	Connection factor(dB)	Limit (dB μ v)	Margin (dB)
67.2	29.86	16.13	13.73	51.8	21.94
611.6	29.95	15.78	14.17	51.8	21.85



Product Service

Test Equipment List

Antenna conducted power

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL DUE DATE
EMI Test Receiver	R&S	ESCI	101178	August 8, 2014
LISN	R&S	ENV216	101215	August 8, 2014
Cable	Top	TYPE16(3.5M)	EW02014-5	August 8, 2014