

Test Report No.50086451; 50090872 001

Appendix D: Radiated and Mains Spurious Emission Data

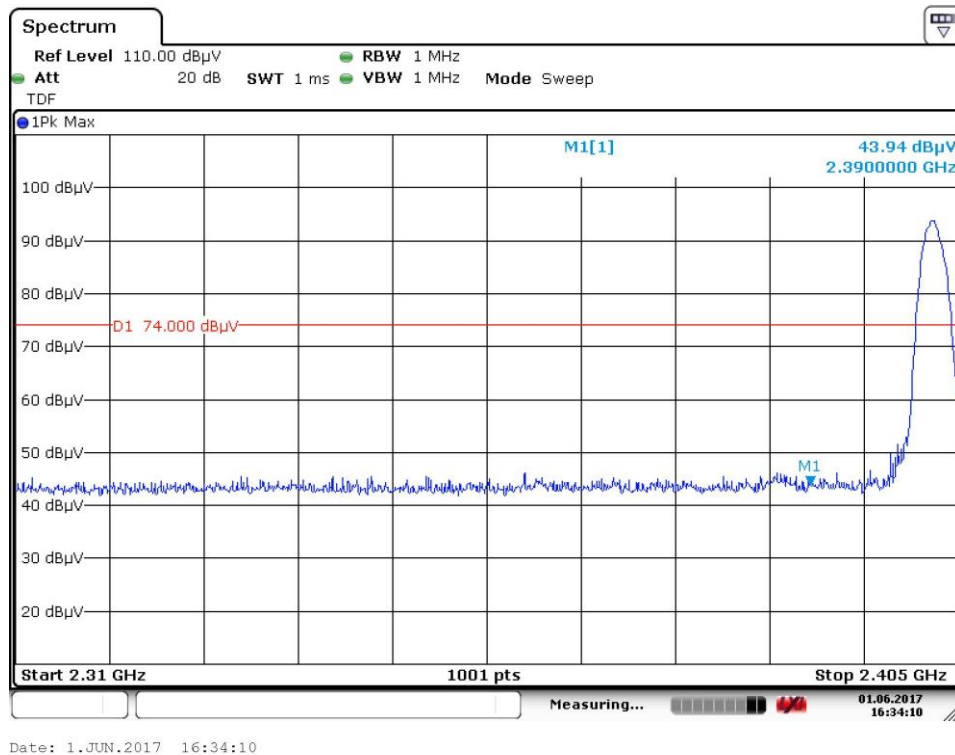
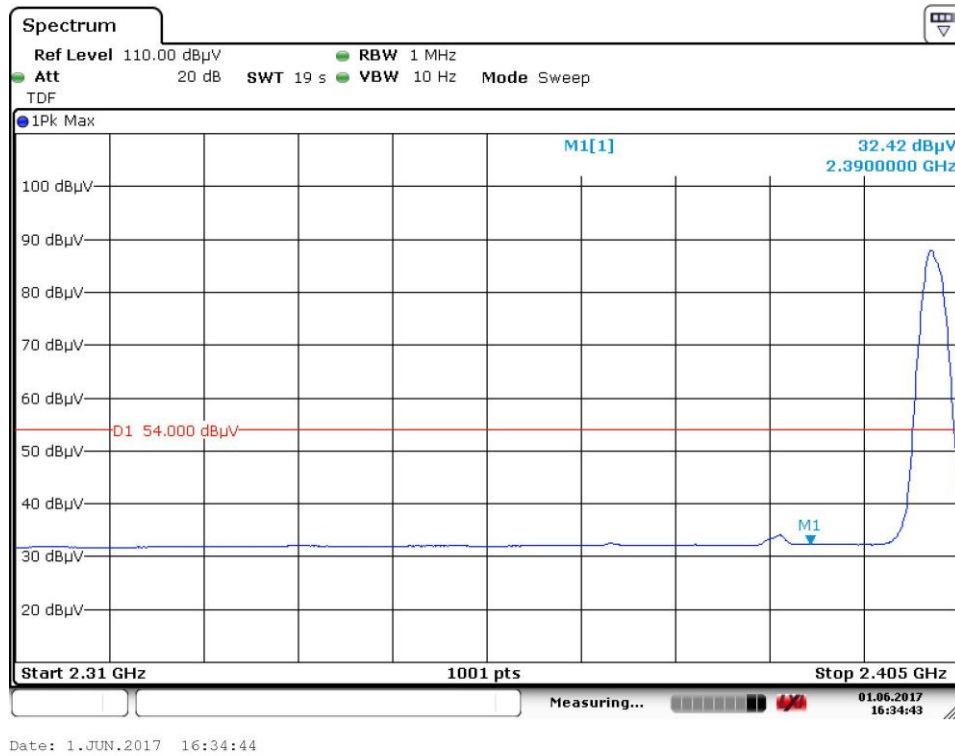
(File: 50086451; 50090872AppendixD)

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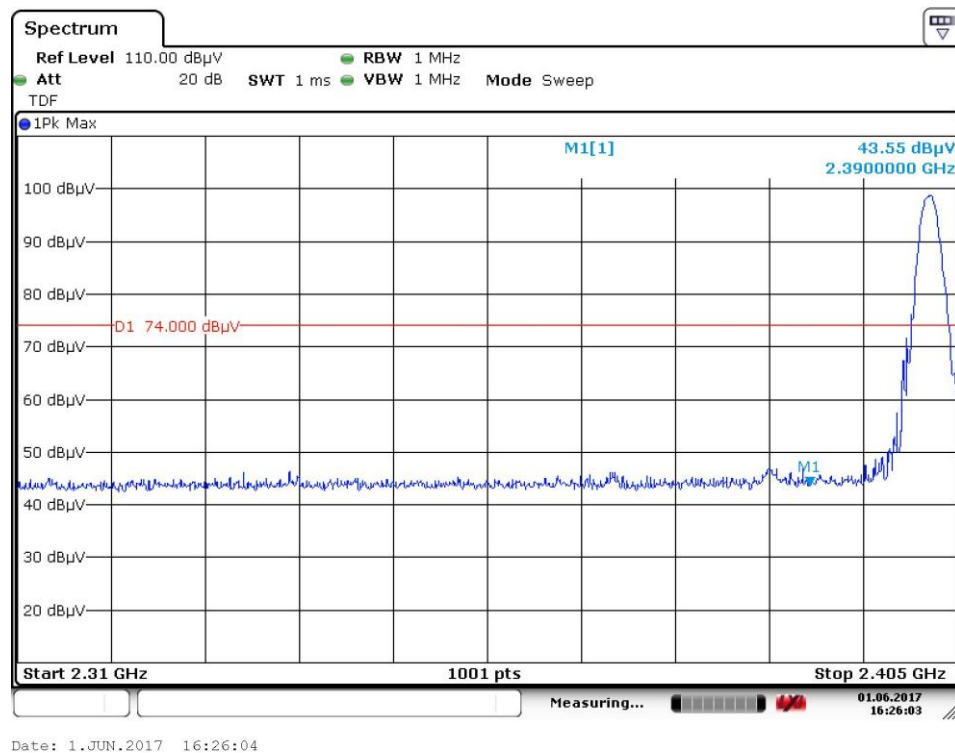
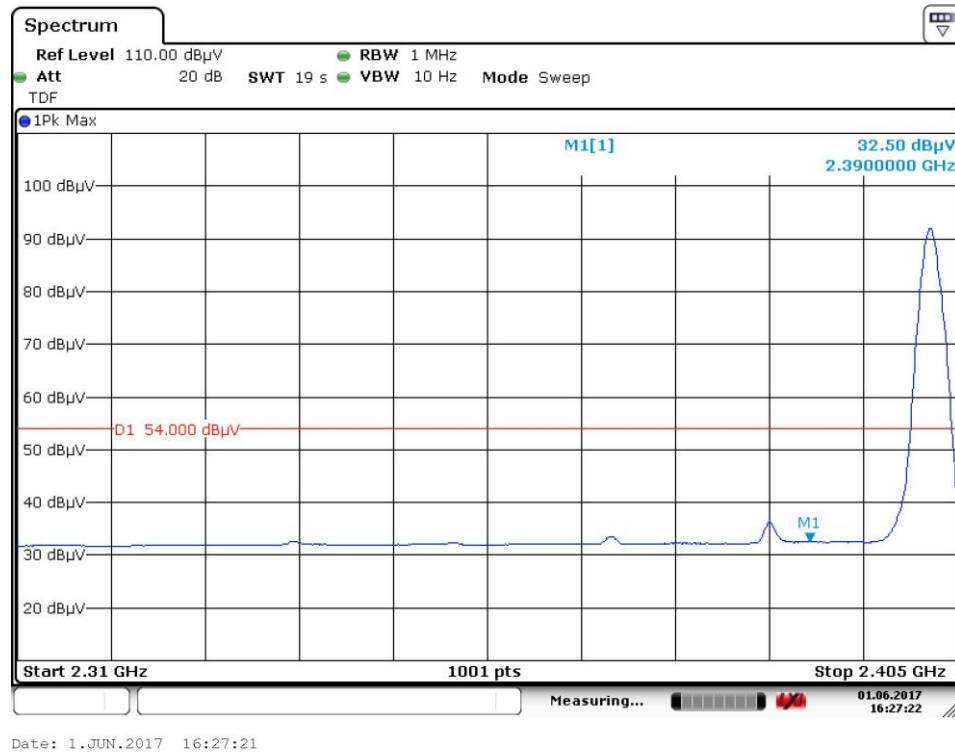
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Radiated Bandedge (GFSK)

Low Channel (Hor)

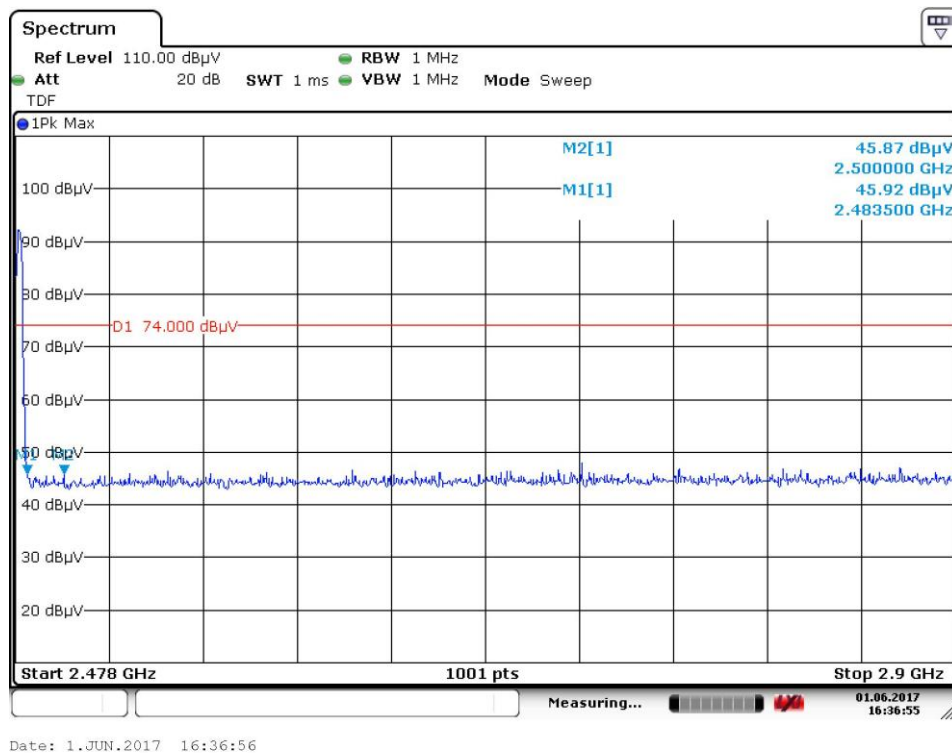
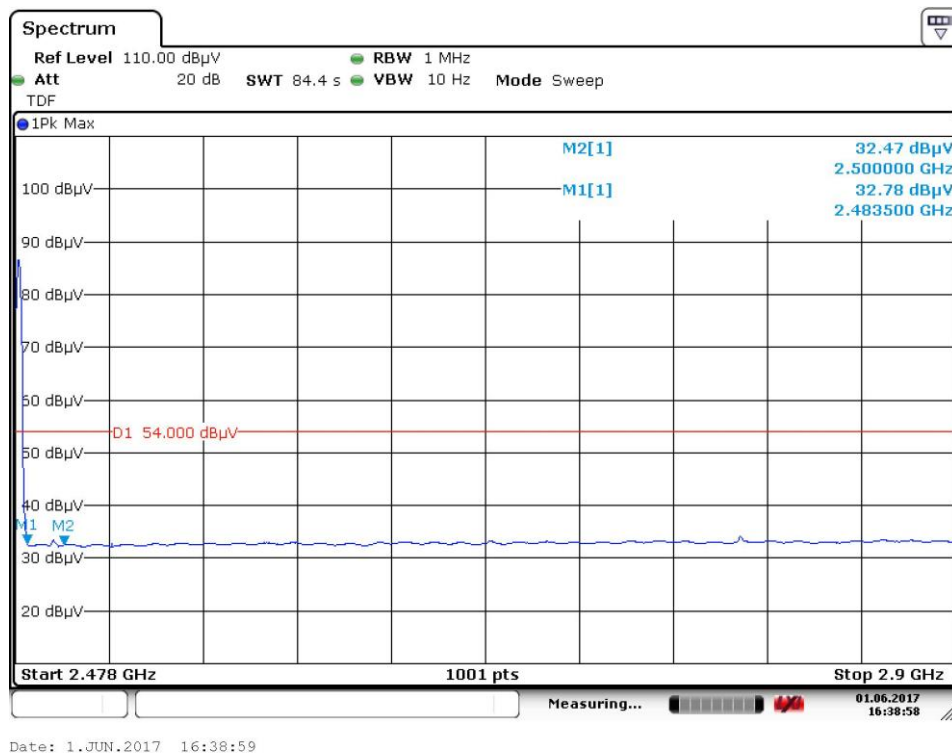


Low Channel (Ver)

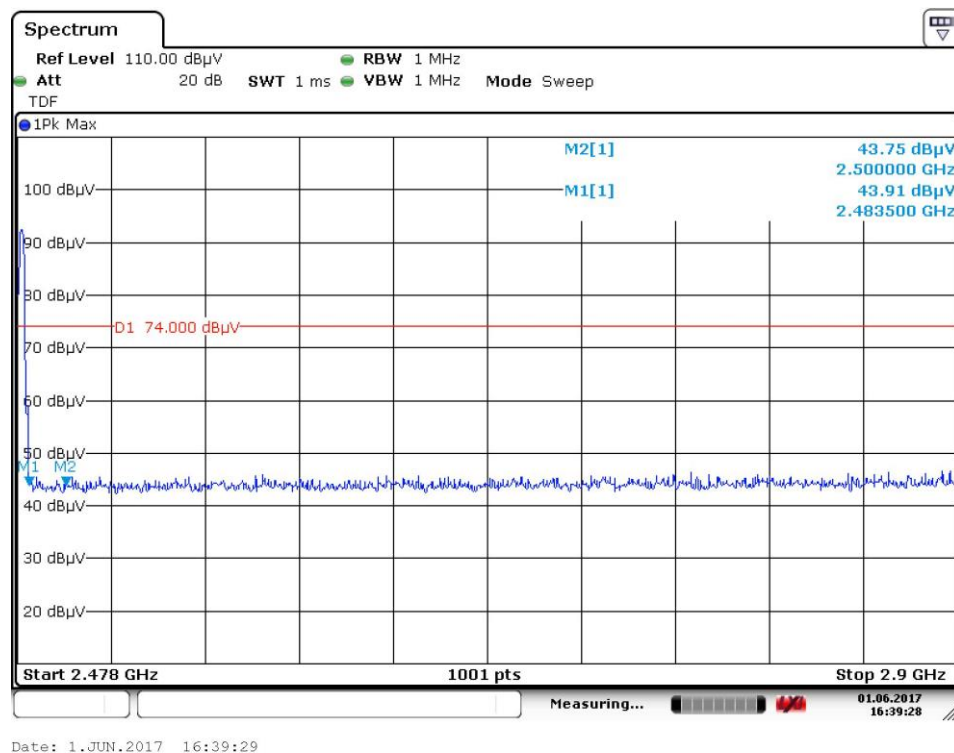
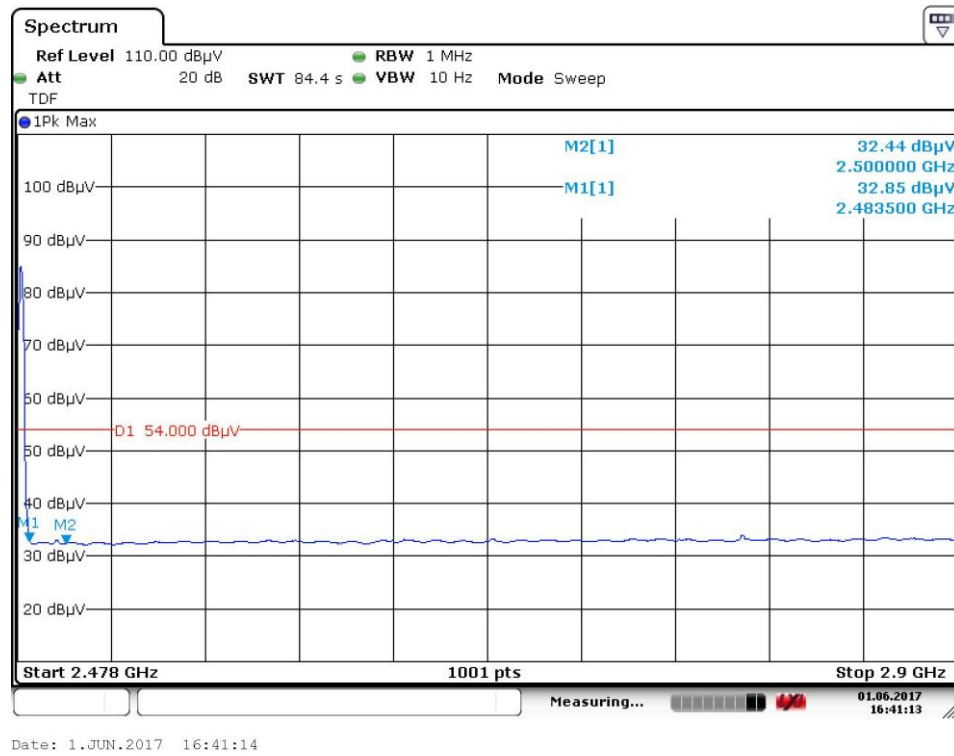


Radiated Bandedge (GFSK)

High Channel (Hor)

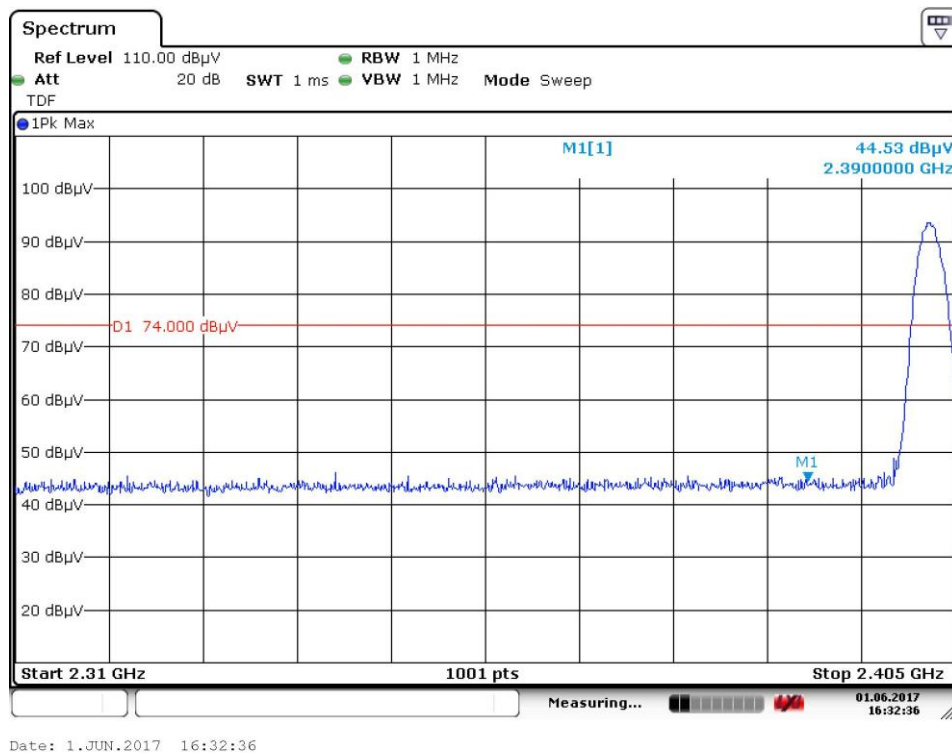
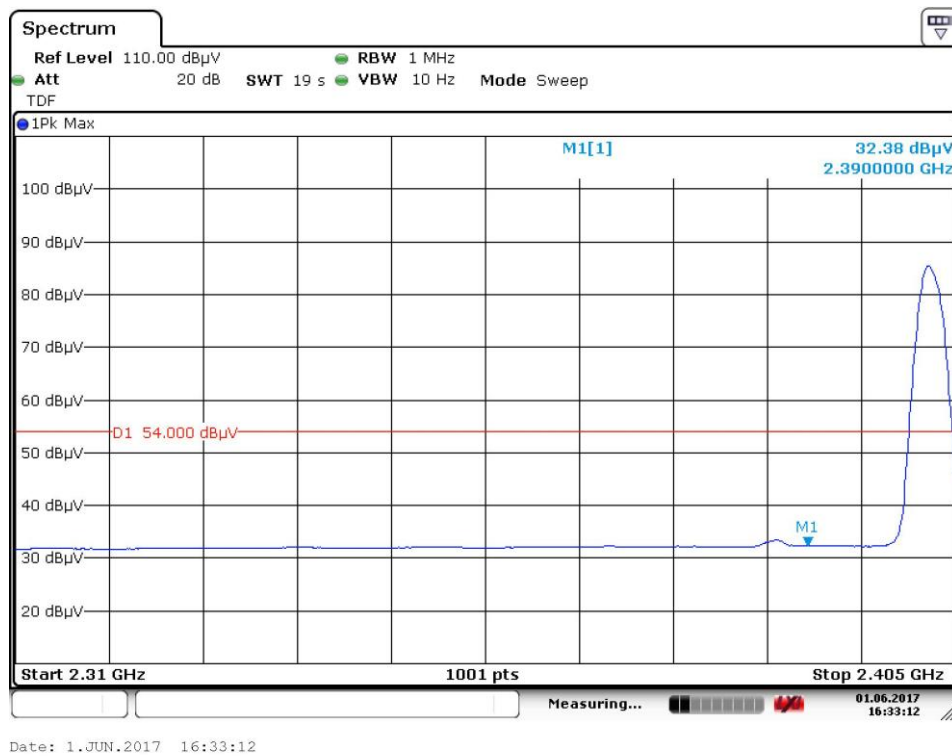


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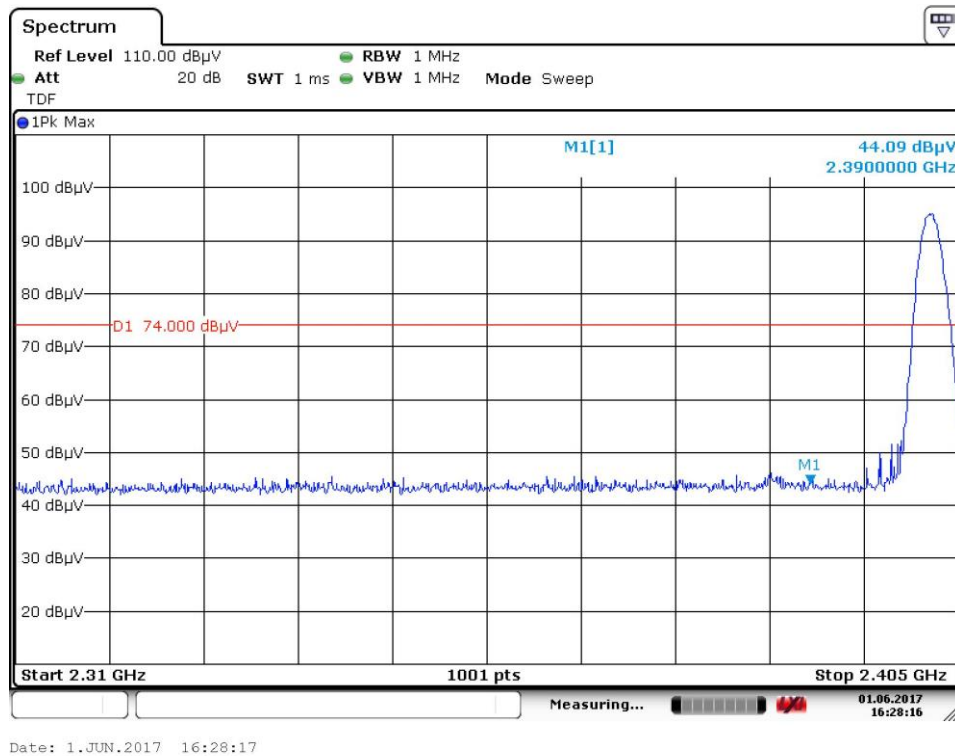
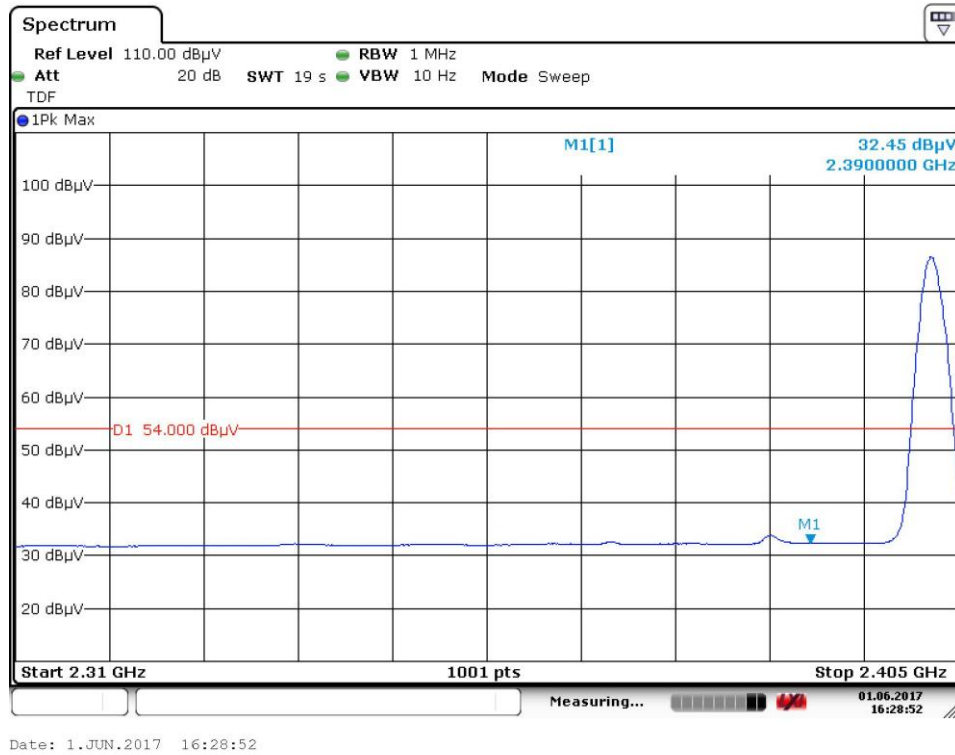


Radiated Bandedge (8DPSK)

Low Channel (Hor)

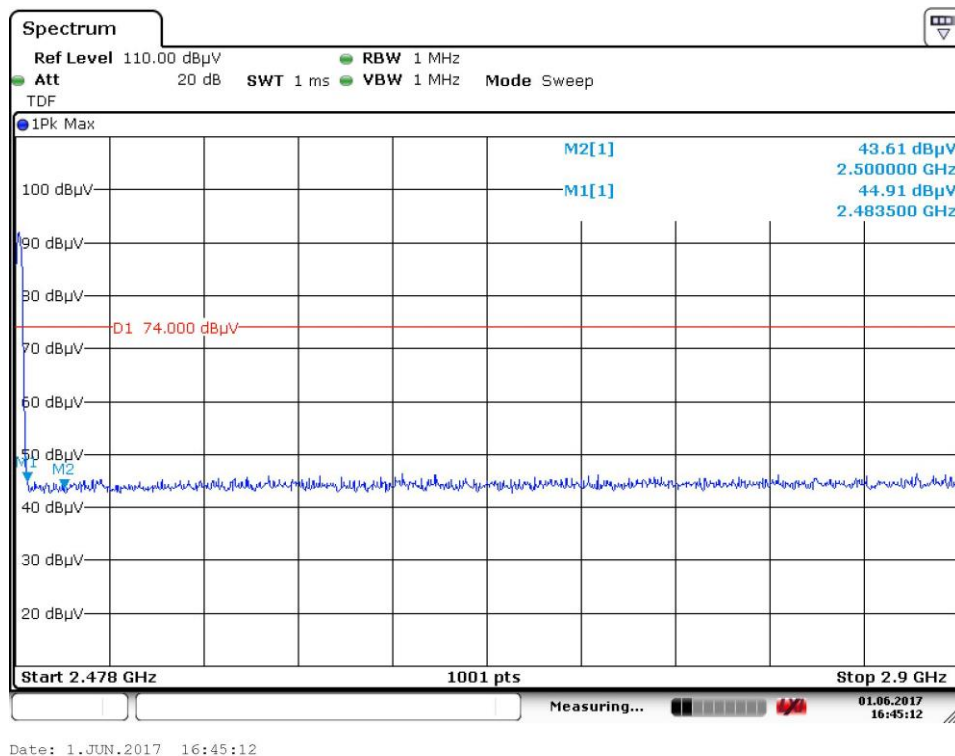
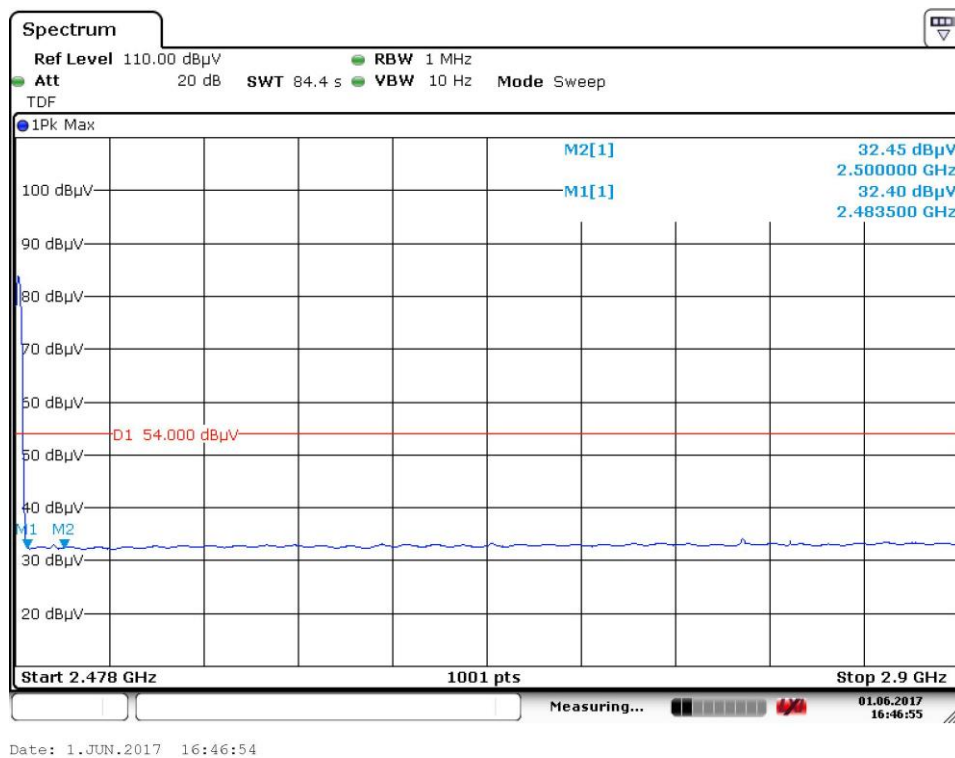


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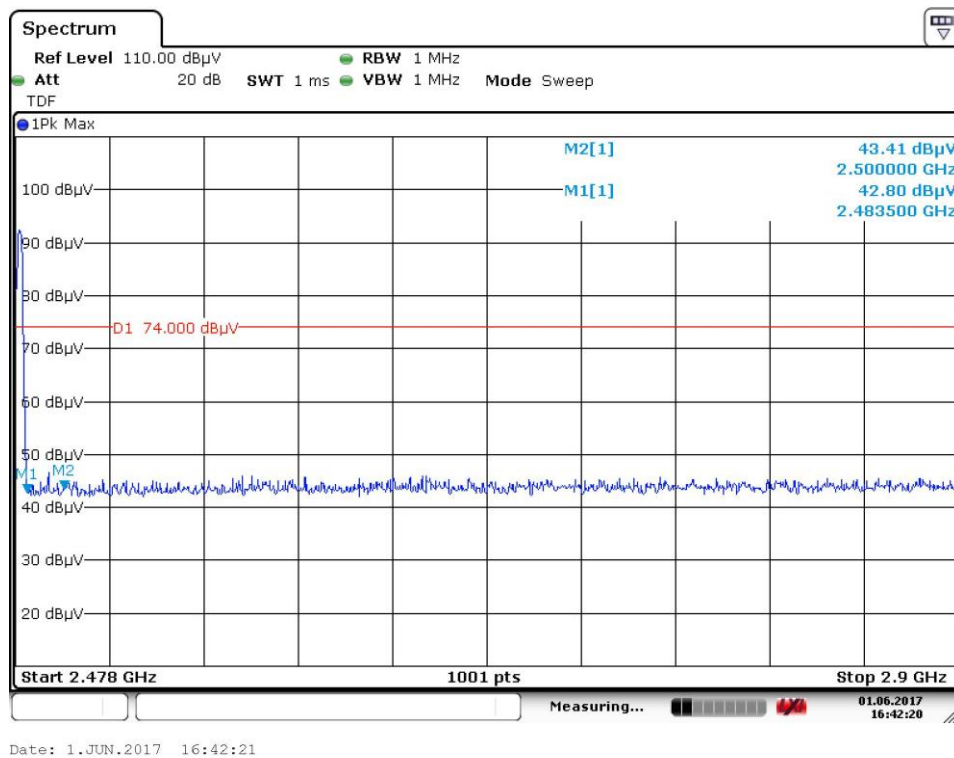
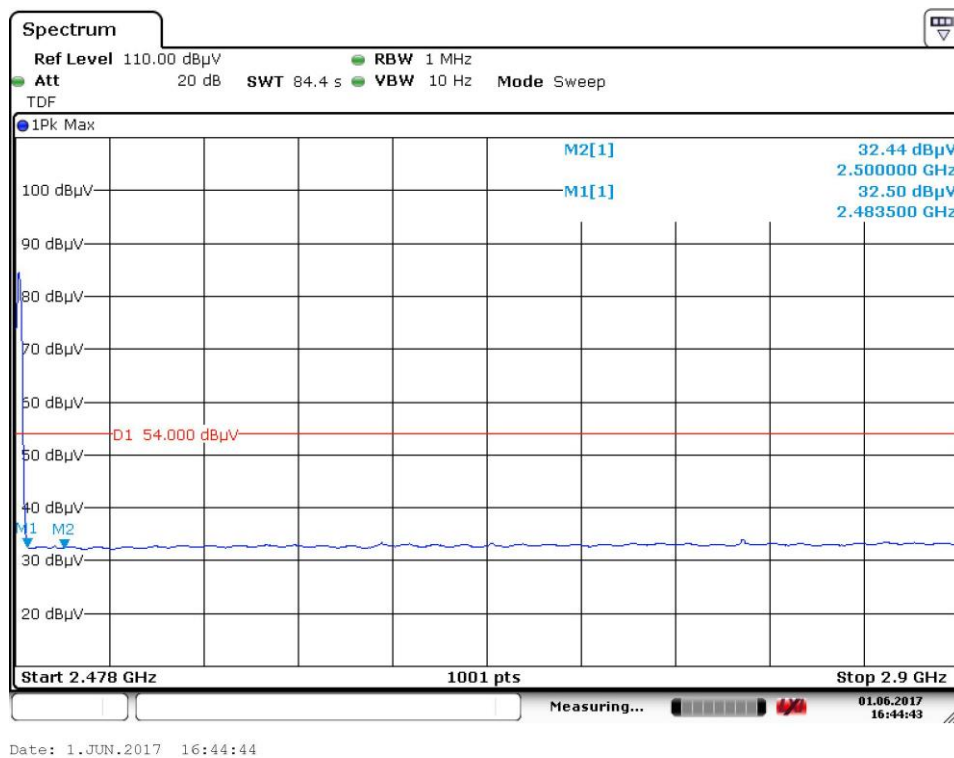


Radiated Bandedge (8DPSK)

High Channel (Hor)



High Channel (Ver)



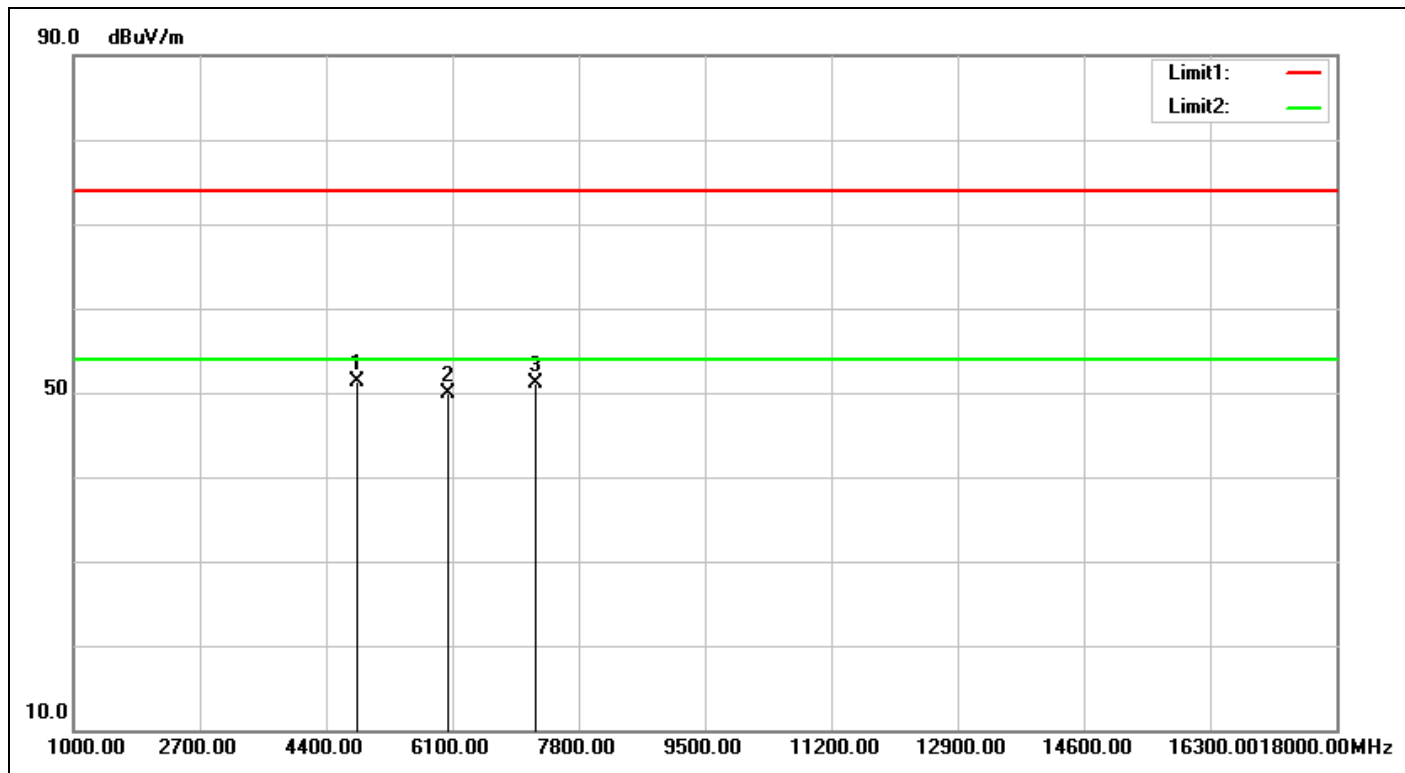
Spurious Emissions, TX Mode, 1-18G



TUV Taiwan

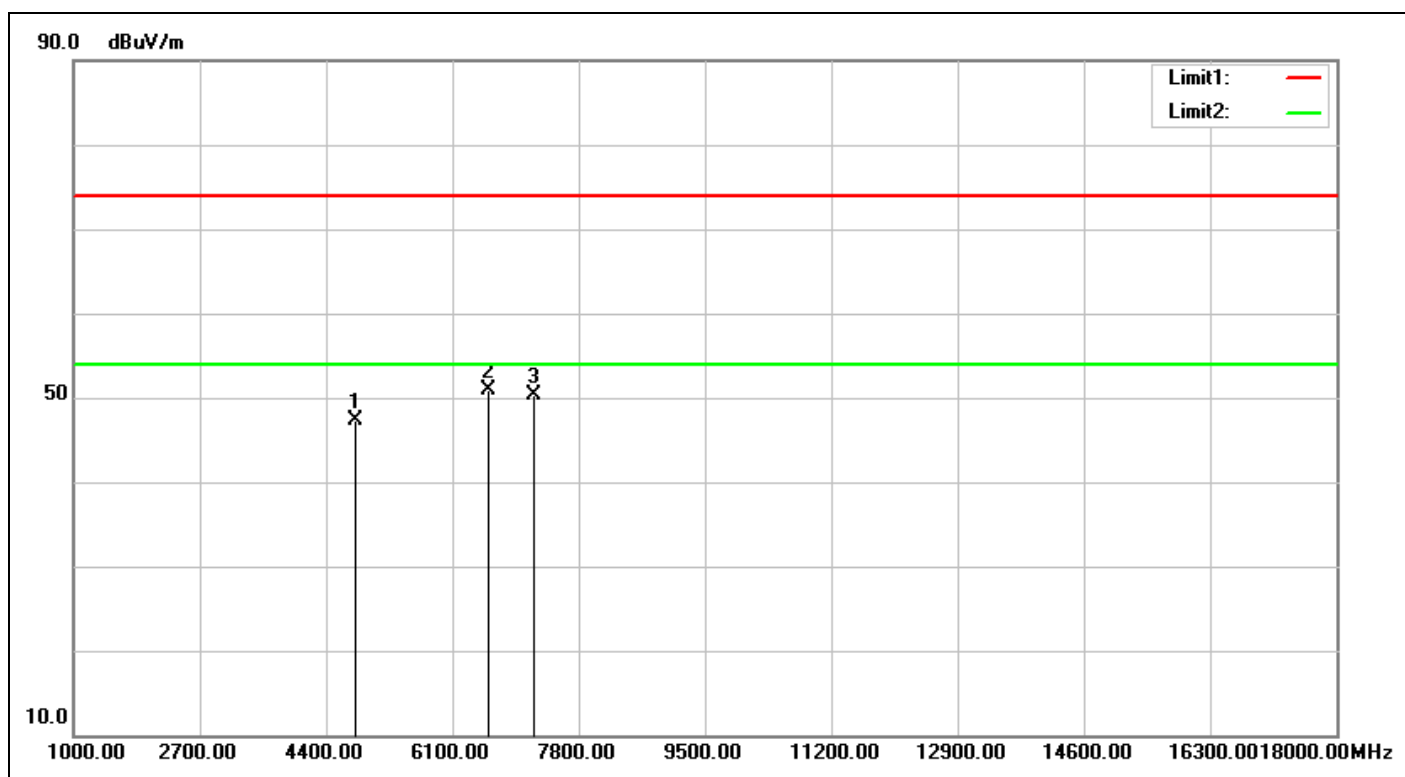
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



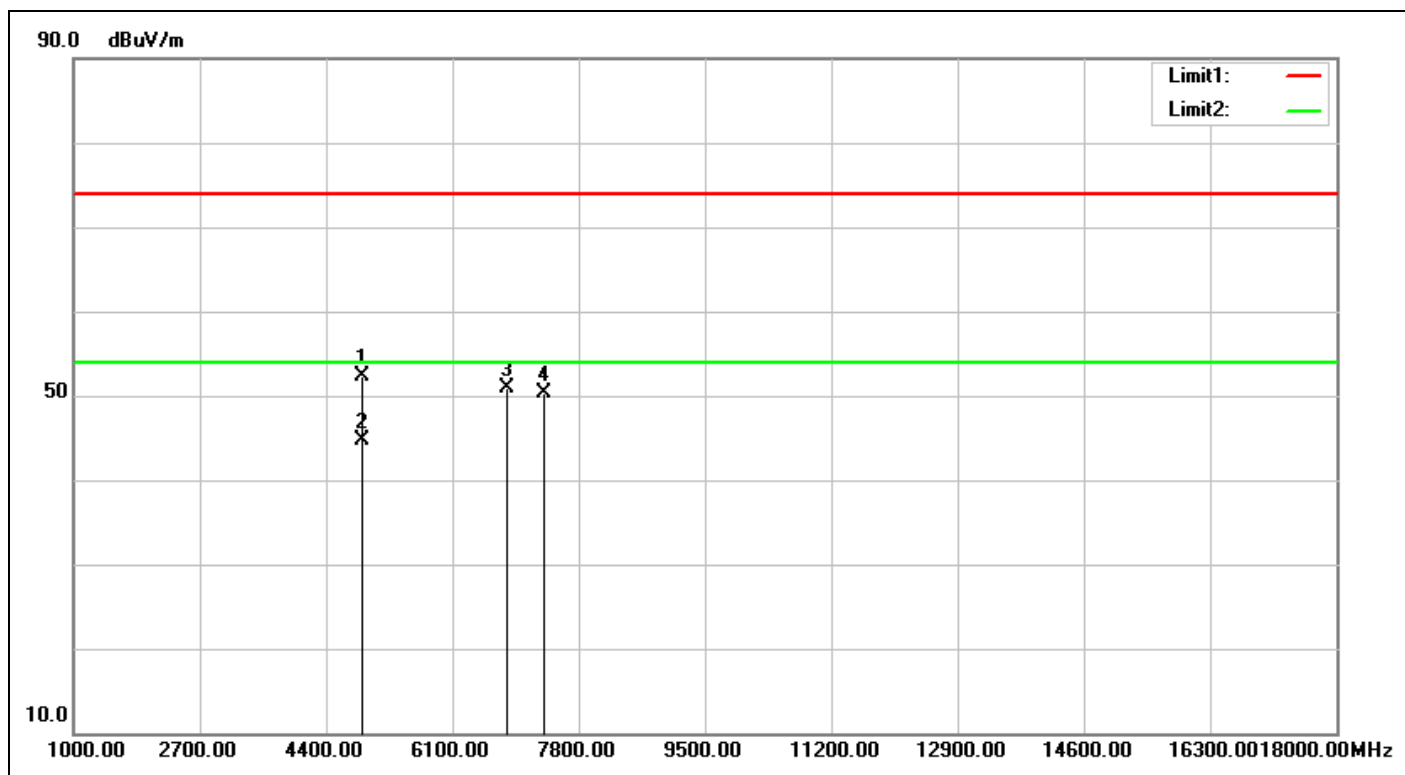
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 16:48:45
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2402+2403-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.86	54.09	51.23	74.00	-22.77	peak	100	83	
2	6032.000	4.11	45.81	49.92	74.00	-24.08	peak	100	14	
3	7206.000	5.56	45.55	51.11	74.00	-22.89	peak		0	



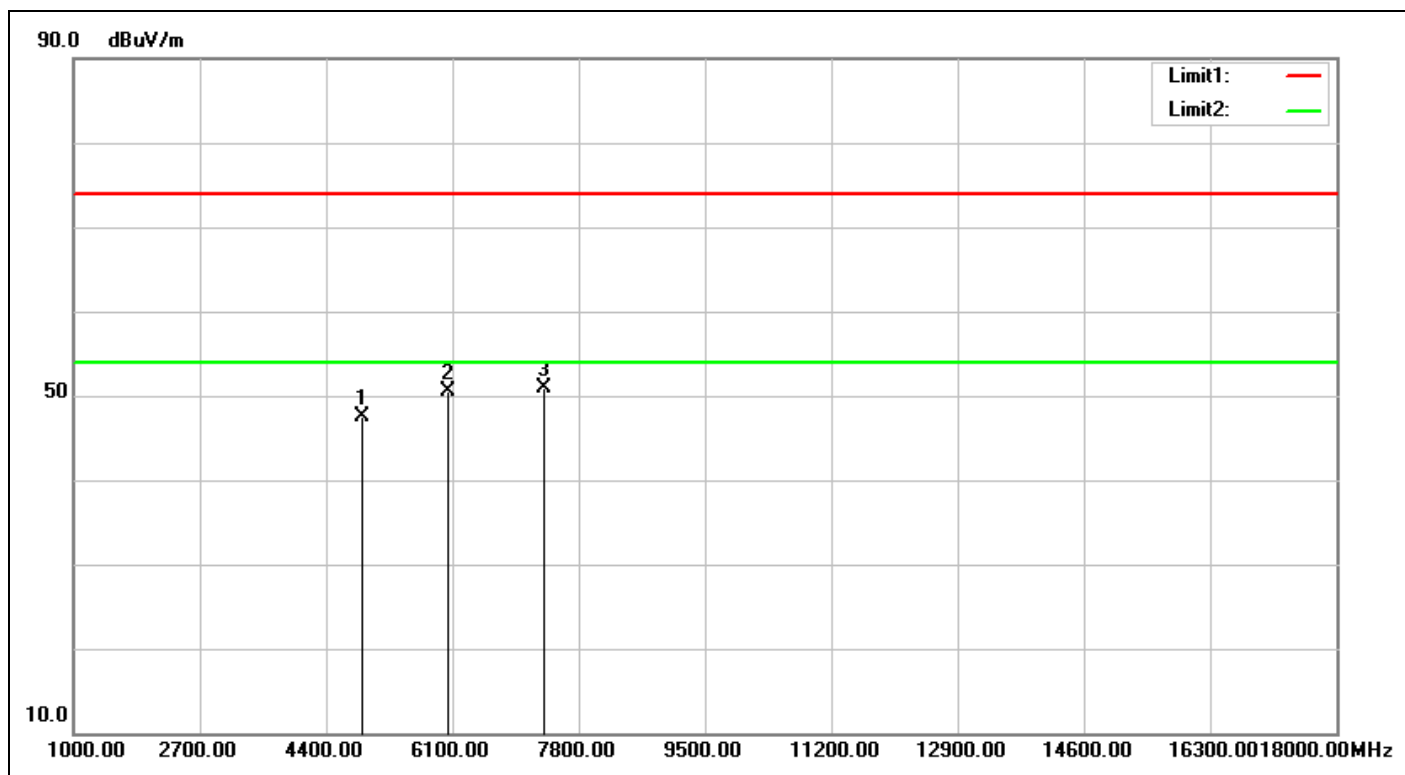
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 16:49:47
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%)	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2402+2403-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.86	50.21	47.35	74.00	-26.65	peak			
2	6576.000	5.54	45.33	50.87	74.00	-23.13	peak	100	59	
3	7206.000	5.56	44.68	50.24	74.00	-23.76	peak			



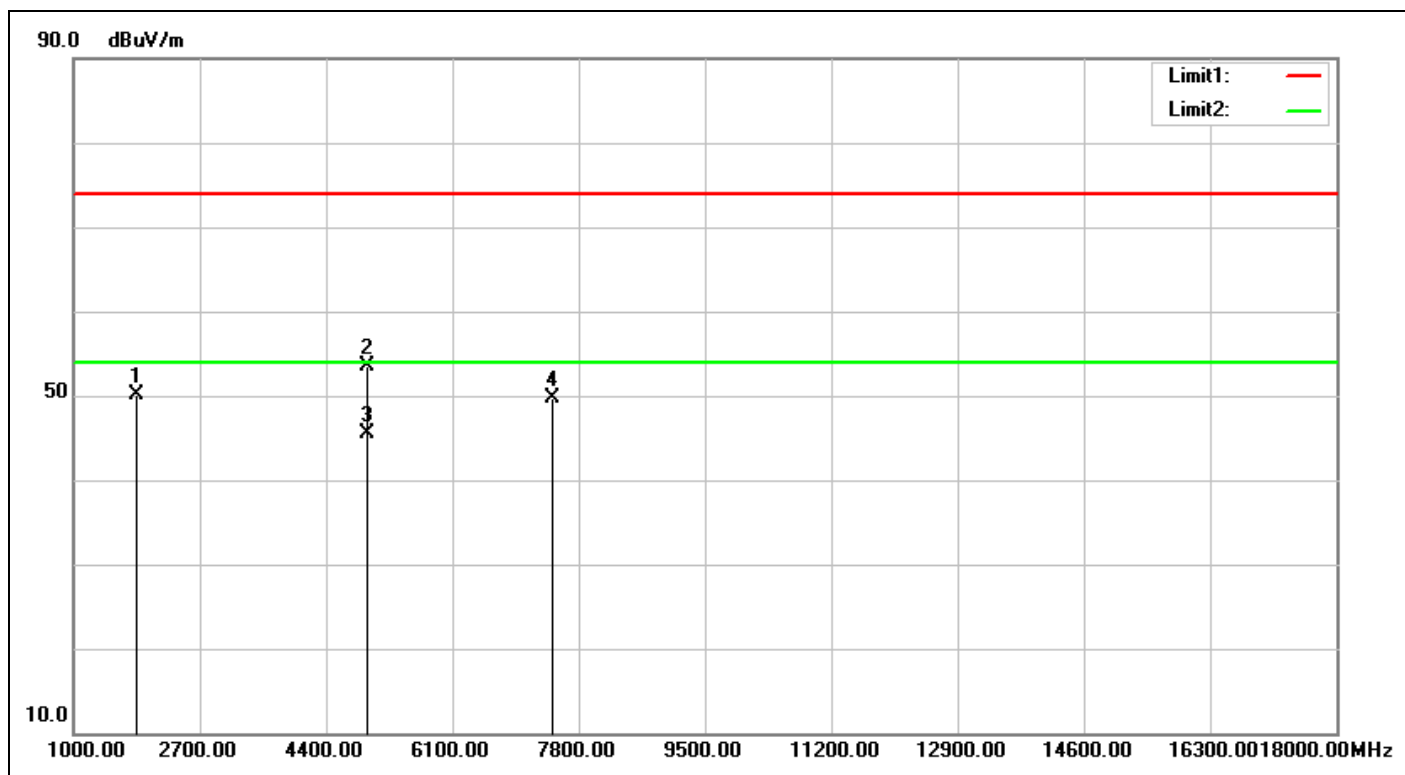
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Test item:	Radiation Emission	Test Time:	2017/6/1 16:53:07
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4884.000	-2.67	55.01	52.34	74.00	-21.66	peak	100	85	
2	4884.000	-2.67	47.44	44.77	54.00	-9.23	AVG	100	85	
3	6831.000	5.13	45.72	50.85	74.00	-23.15	peak	100	130	
4	7326.000	5.98	44.35	50.33	74.00	-23.67	peak		0	



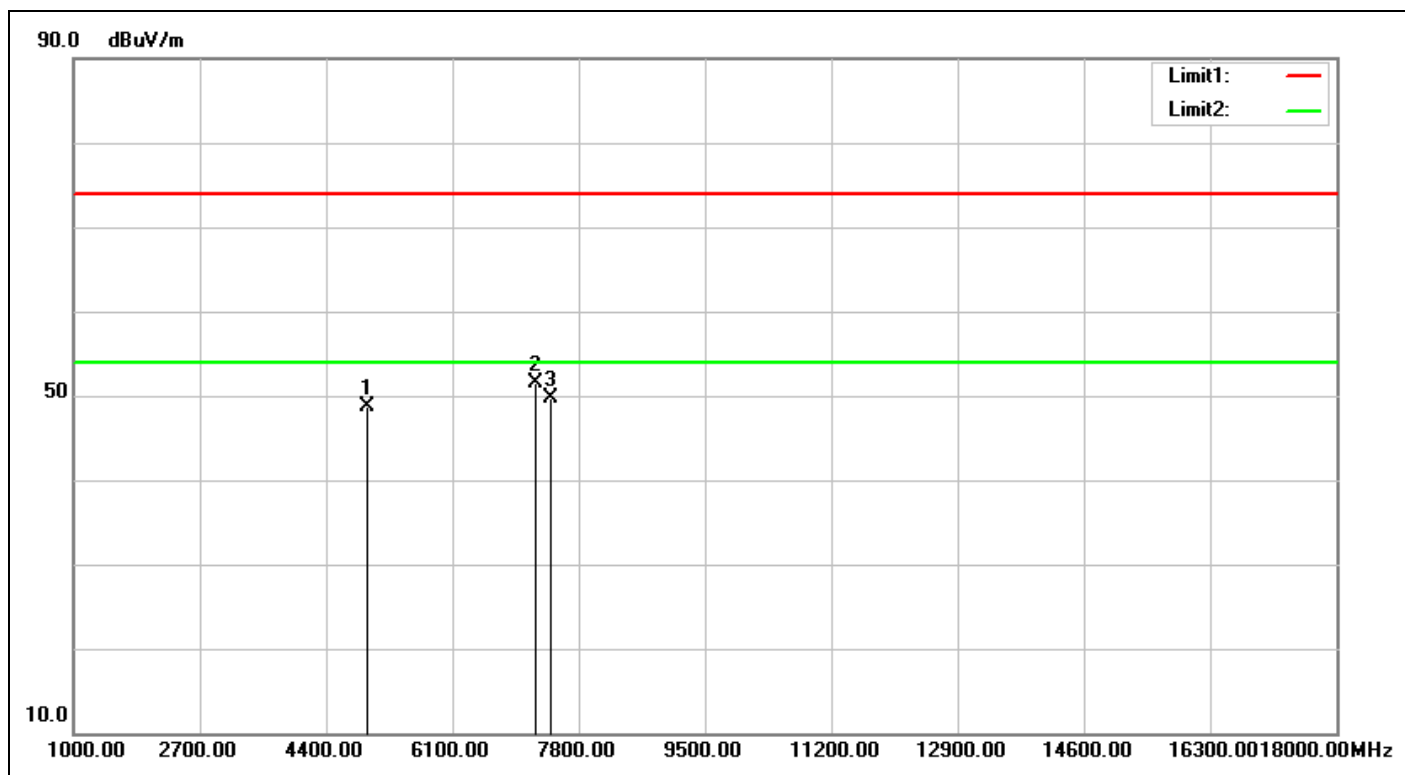
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Test item:	Radiation Emission	Test Time:	2017/6/1 16:54:10
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%)	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4884.000	-2.67	50.21	47.54	74.00	-26.46	peak	100	349	
2	6032.000	4.11	46.44	50.55	74.00	-23.45	peak	100	285	
3	7326.000	5.98	44.84	50.82	74.00	-23.18	peak			



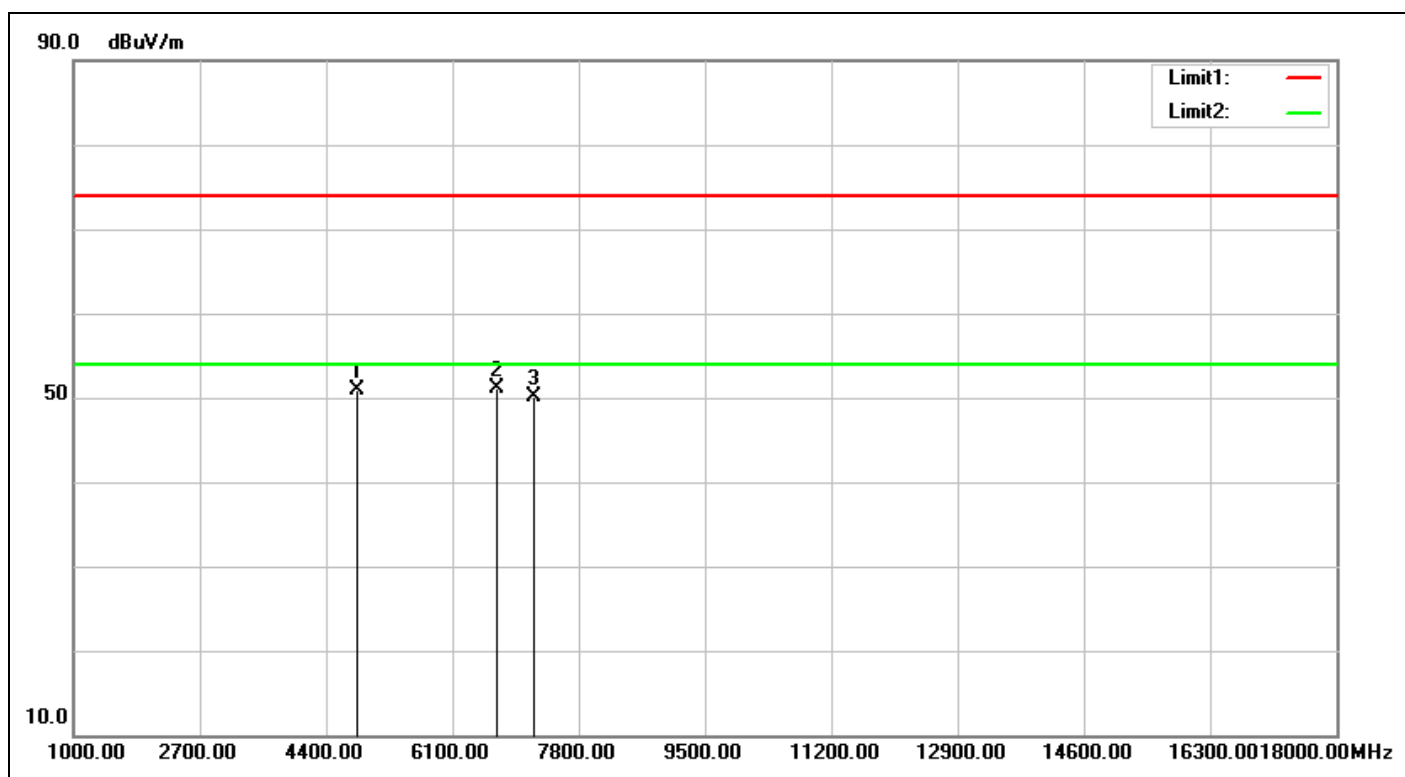
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Test item:	Radiation Emission	Test Time:	2017/6/1 16:58:26
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%)	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2480+2479-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1850.000	-8.68	58.80	50.12	74.00	-23.88	peak	100	110	
2	4960.000	-2.51	55.97	53.46	74.00	-20.54	peak	100	79	
3	4960.000	-2.51	48.04	45.53	54.00	-8.47	AVG	100	79	
4	7440.000	6.36	43.40	49.76	74.00	-24.24	peak			



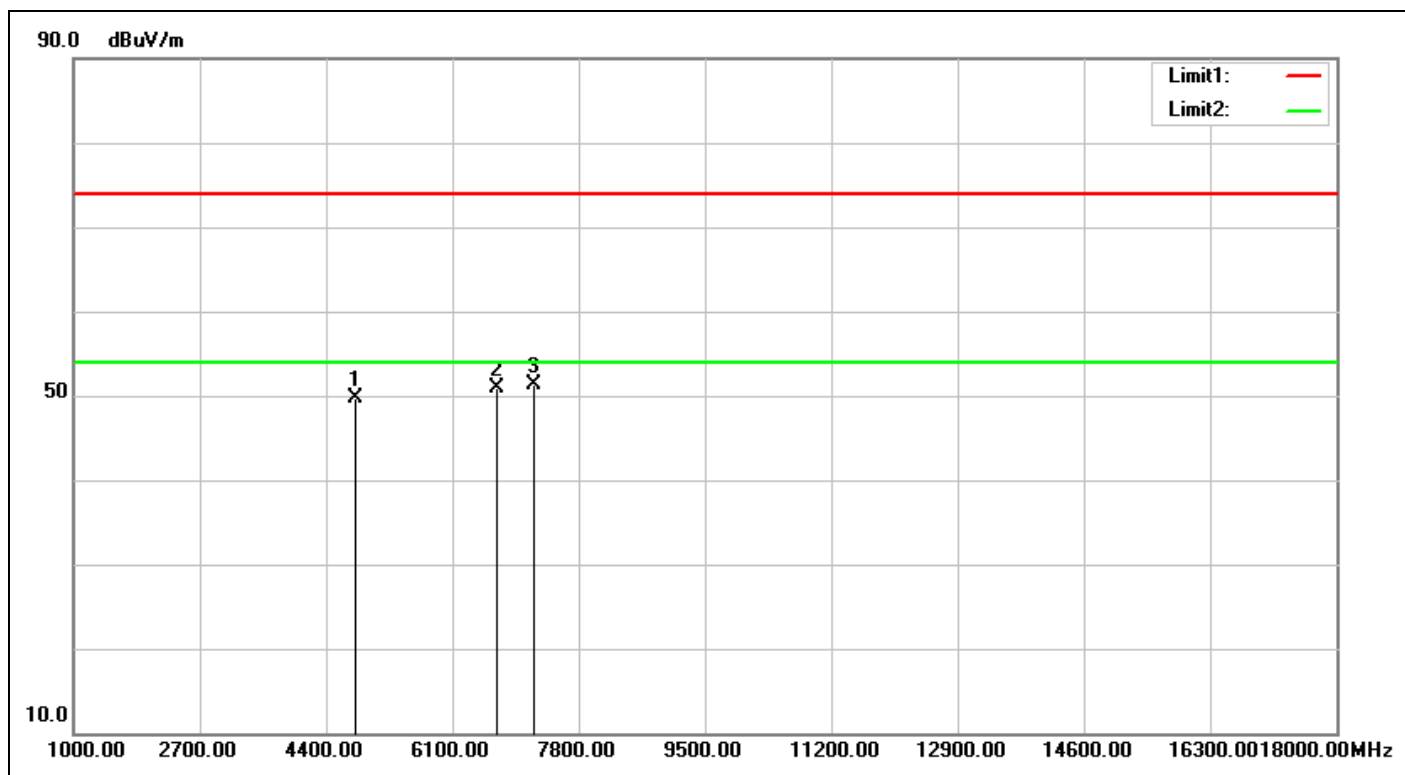
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Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2480+2479-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.51	51.19	48.68	74.00	-25.32	peak			
2	7222.000	5.62	45.82	51.44	74.00	-22.56	peak	100	80	
3	7440.000	6.36	43.38	49.74	74.00	-24.26	peak			



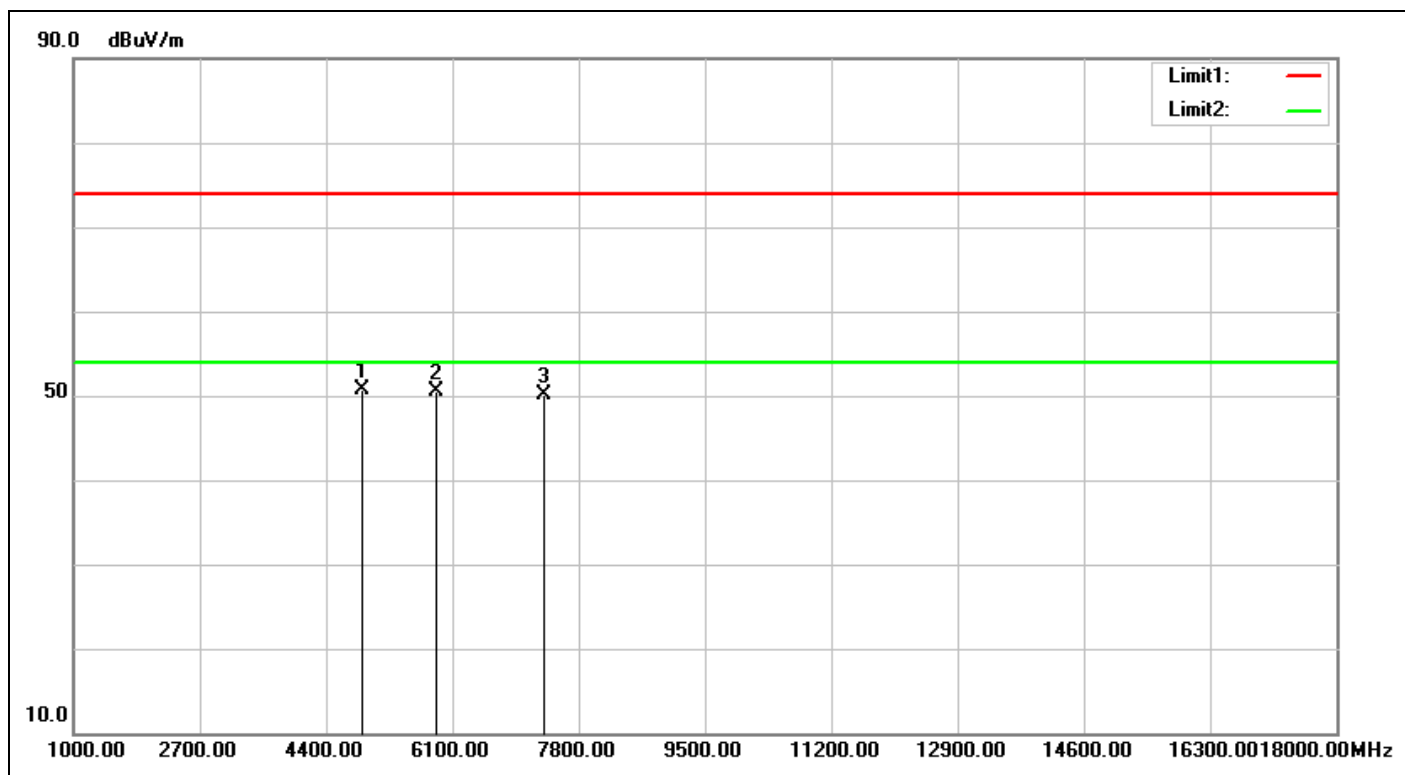
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:11:12
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2402+2403-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.86	53.84	50.98	74.00	-23.02	peak	100	87	
2	6695.000	5.35	45.78	51.13	74.00	-22.87	peak	100	265	
3	7206.000	5.56	44.62	50.18	74.00	-23.82	peak			



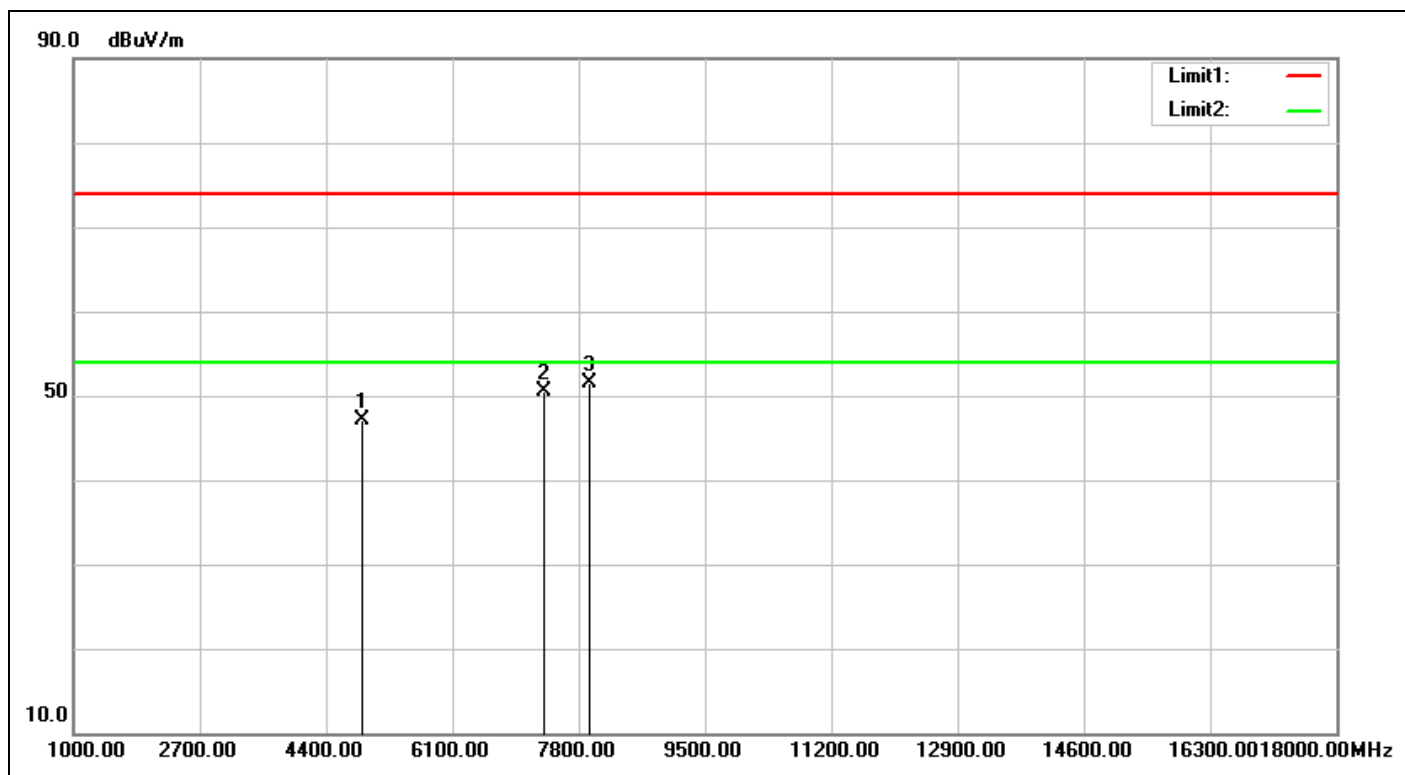
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 17:12:14
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%)	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2402+2403-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.86	52.49	49.63	74.00	-24.37	peak	100	39	
2	6695.000	5.35	45.53	50.88	74.00	-23.12	peak	100	11	
3	7206.000	5.56	45.68	51.24	74.00	-22.76	peak			



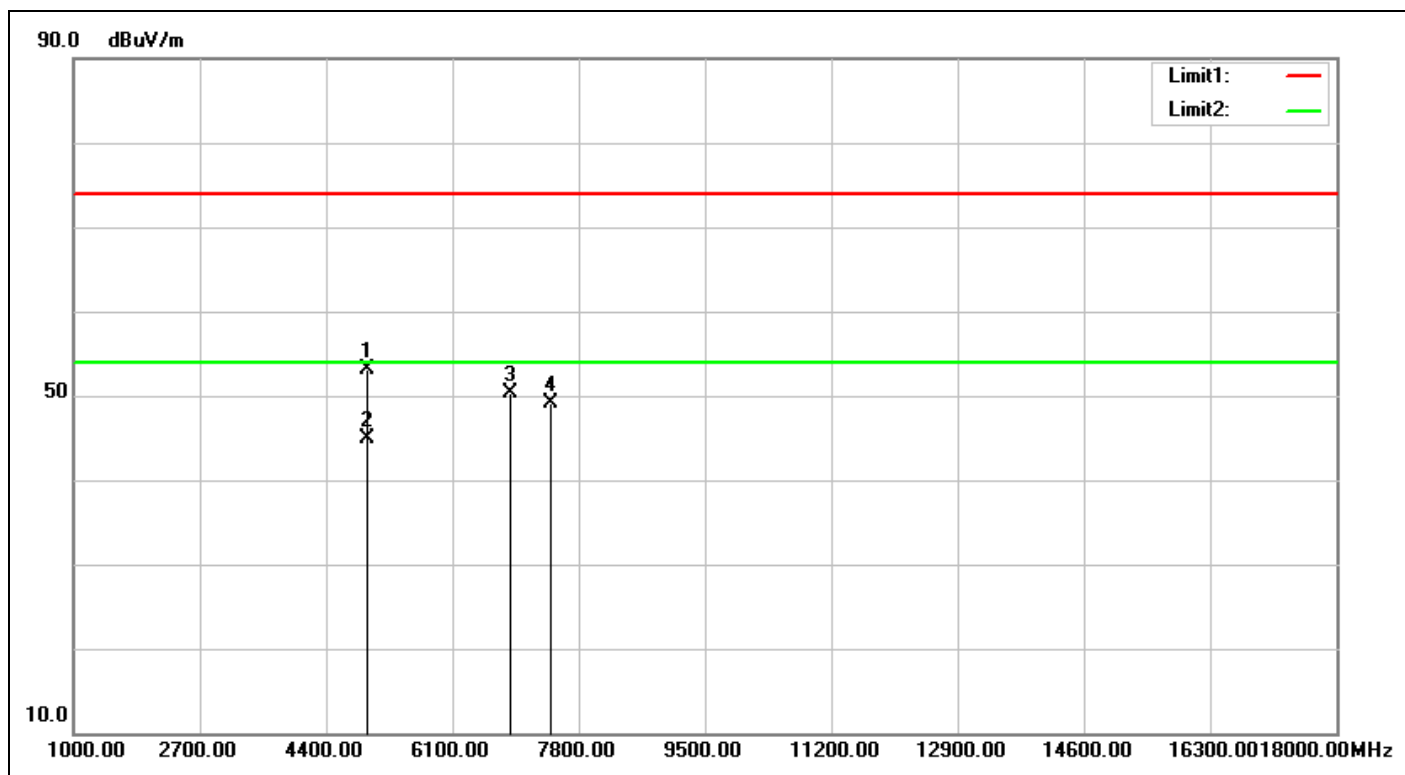
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:07:43
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4884.000	-2.67	53.40	50.73	74.00	-23.27	peak	100	81	
2	5879.000	3.15	47.38	50.53	74.00	-23.47	peak	100	103	
3	7326.000	5.98	44.03	50.01	74.00	-23.99	peak			



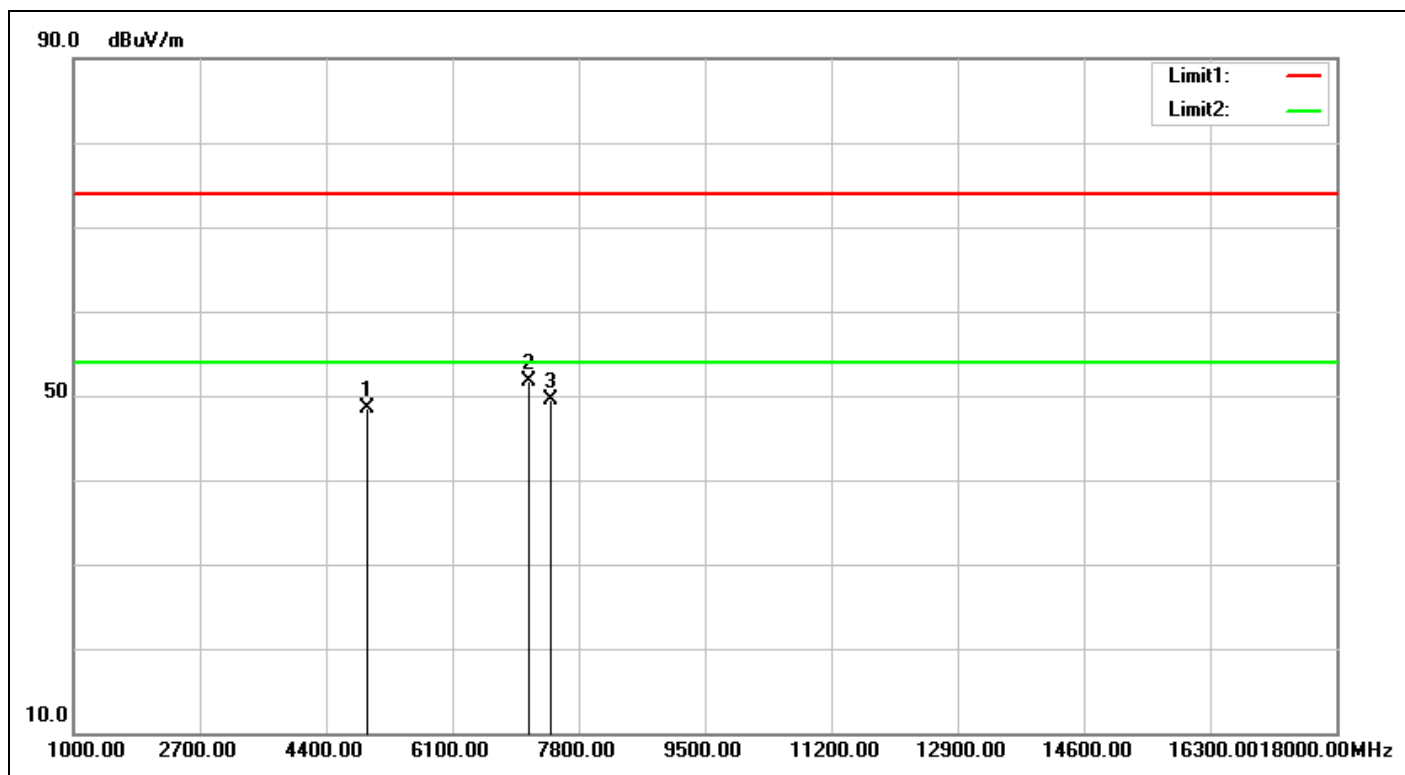
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Test item:	Radiation Emission	Test Time:	2017/6/1 17:08:46
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4884.000	-2.67	49.83	47.16	74.00	-26.84	peak	100	143	
2	7326.000	5.98	44.59	50.57	74.00	-23.43	peak			
3	7953.000	6.49	44.92	51.41	74.00	-22.59	peak	100	240	



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:02:16
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%)	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2480+2479-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.51	55.68	53.17	74.00	-20.83	peak			
2	4960.000	-2.51	47.51	45.00	54.00	-9.00	AVG			
3	6882.000	5.06	45.27	50.33	74.00	-23.67	peak	100	48	
4	7440.000	6.36	42.67	49.03	74.00	-24.97	peak			



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 17:03:18
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2480+2479-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.51	50.96	48.45	74.00	-25.55	peak			
2	7137.000	5.34	46.40	51.74	74.00	-22.26	peak	100	343	
3	7440.000	6.36	43.12	49.48	74.00	-24.52	peak			

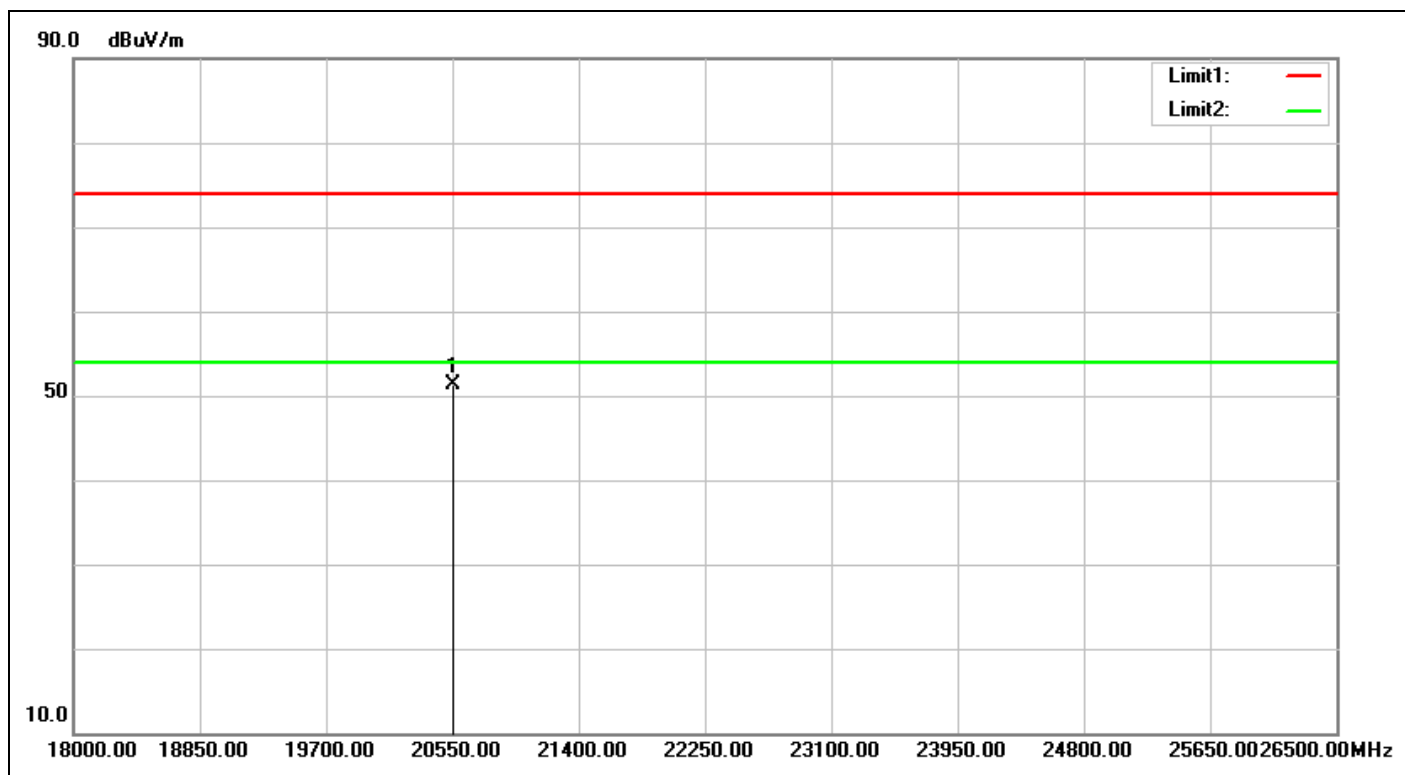
Spurious Emissions, TX Mode, 18-26G



TUV Taiwan

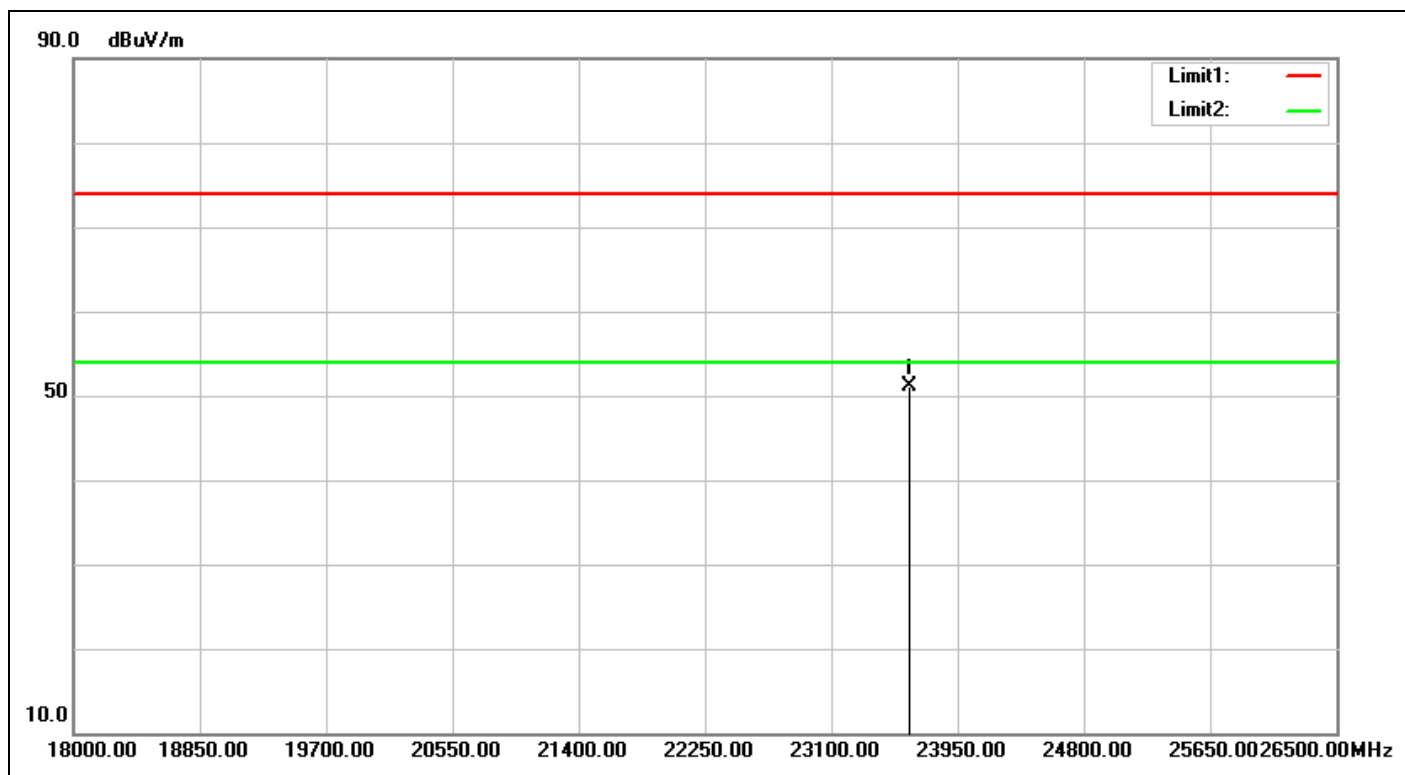
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



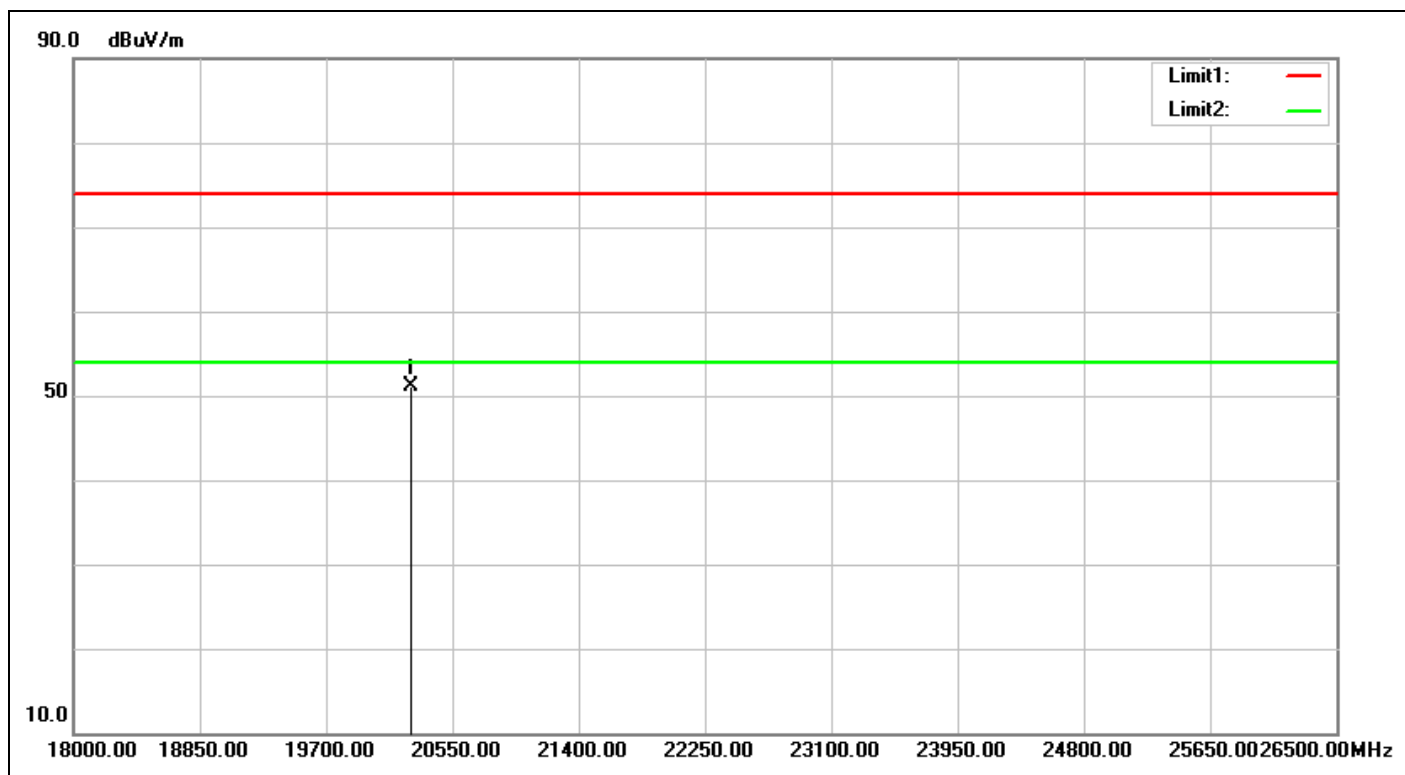
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:21:54
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2402+2403-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20550.000	31.75	19.47	51.22	74.00	-22.78	peak			



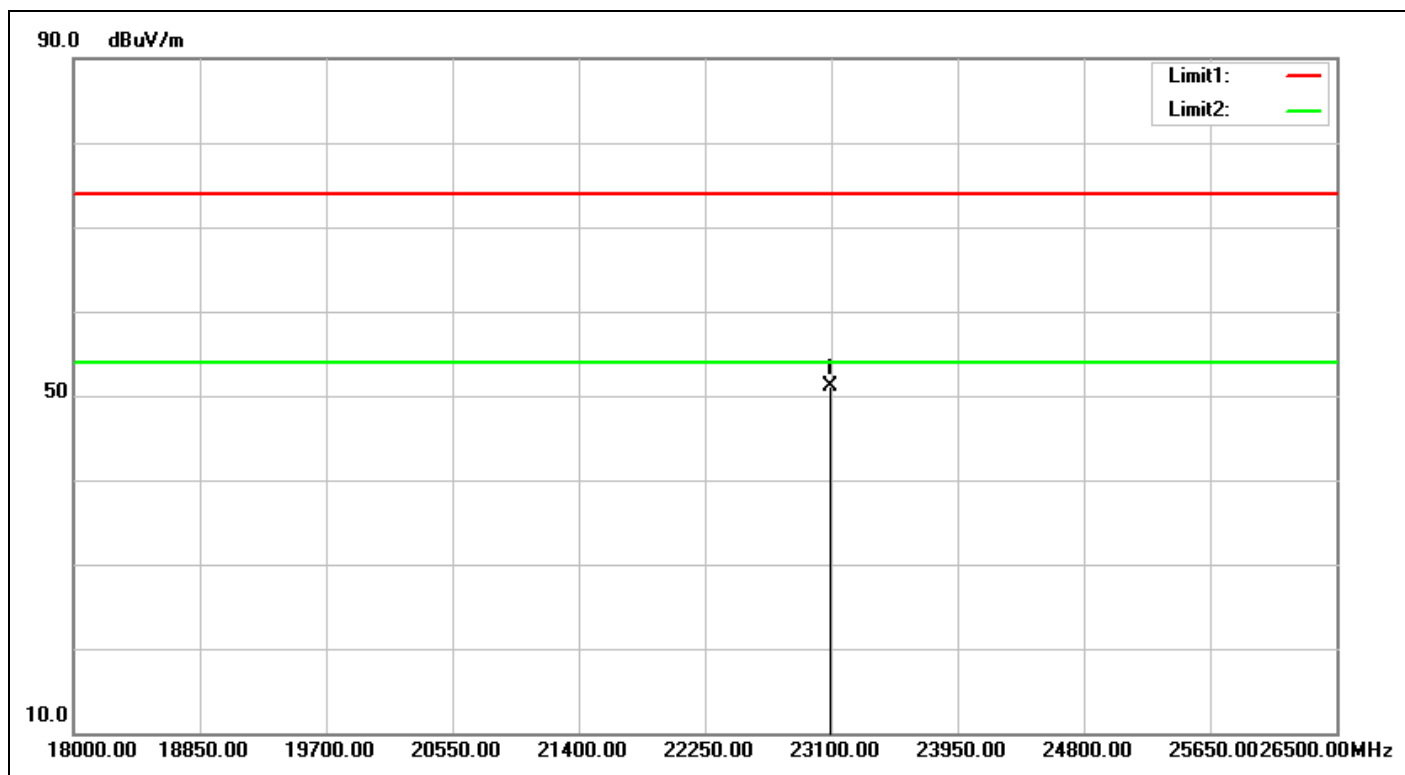
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 17:22:04
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2402+2403-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23627.000	32.60	18.55	51.15	74.00	-22.85	peak			



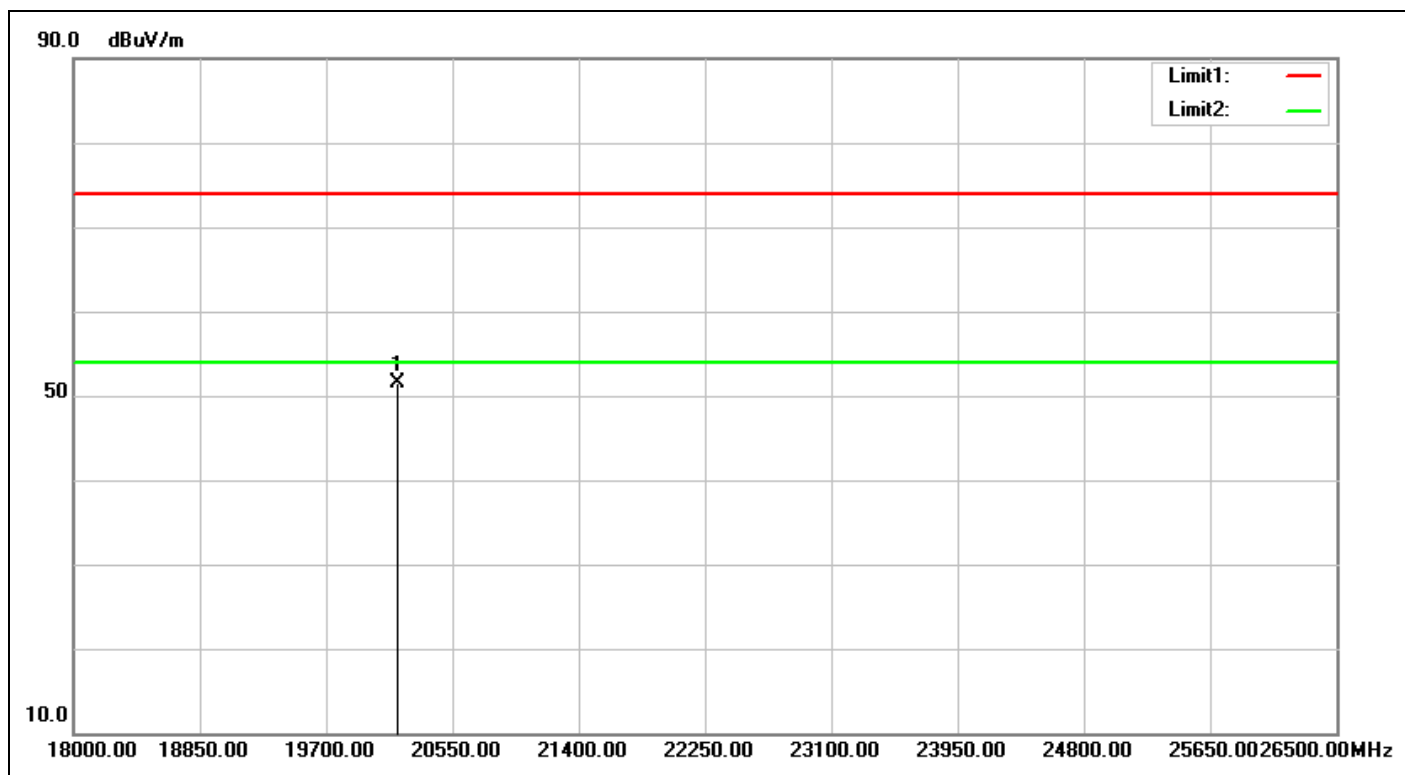
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:22:18
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20269.500	31.62	19.47	51.09	74.00	-22.91	peak			



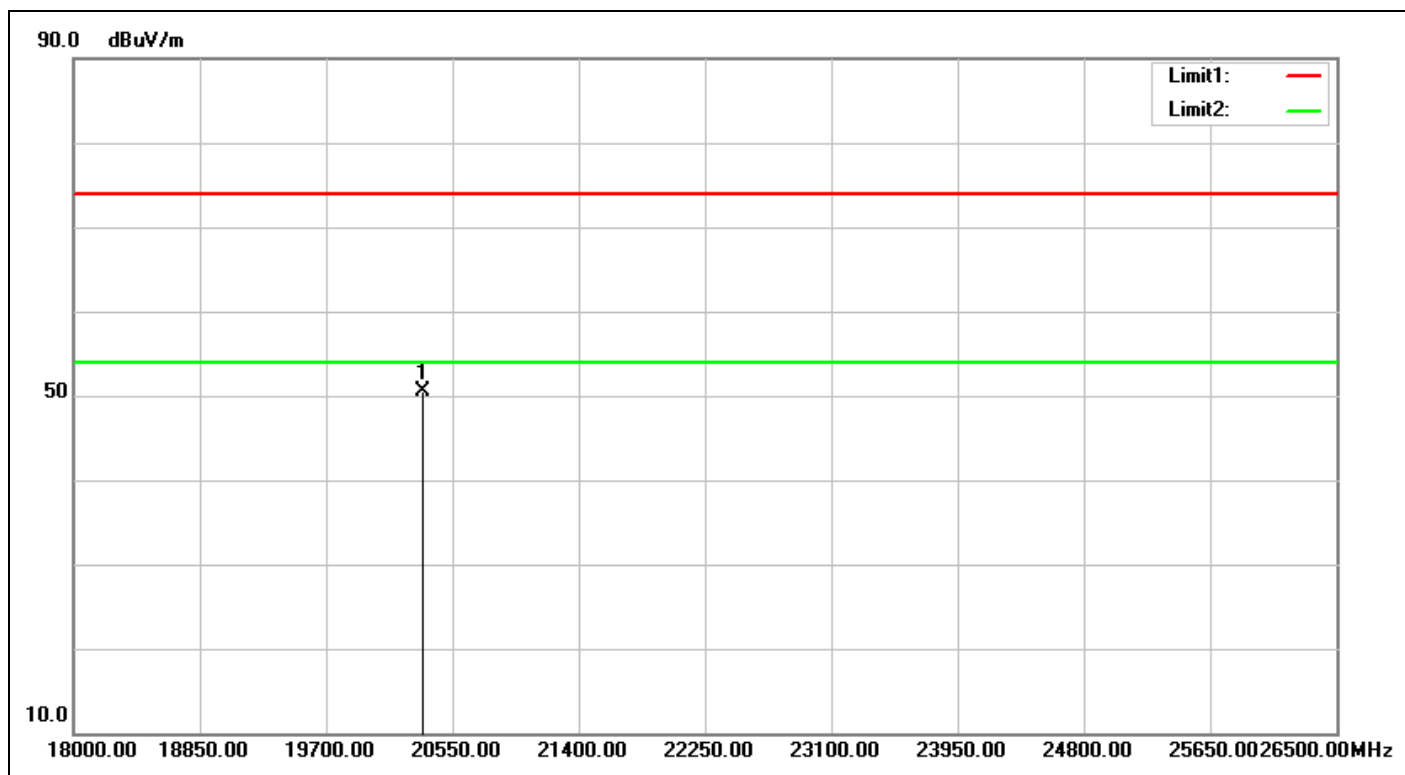
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 17:22:27
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23091.500	32.56	18.52	51.08	74.00	-22.92	peak			



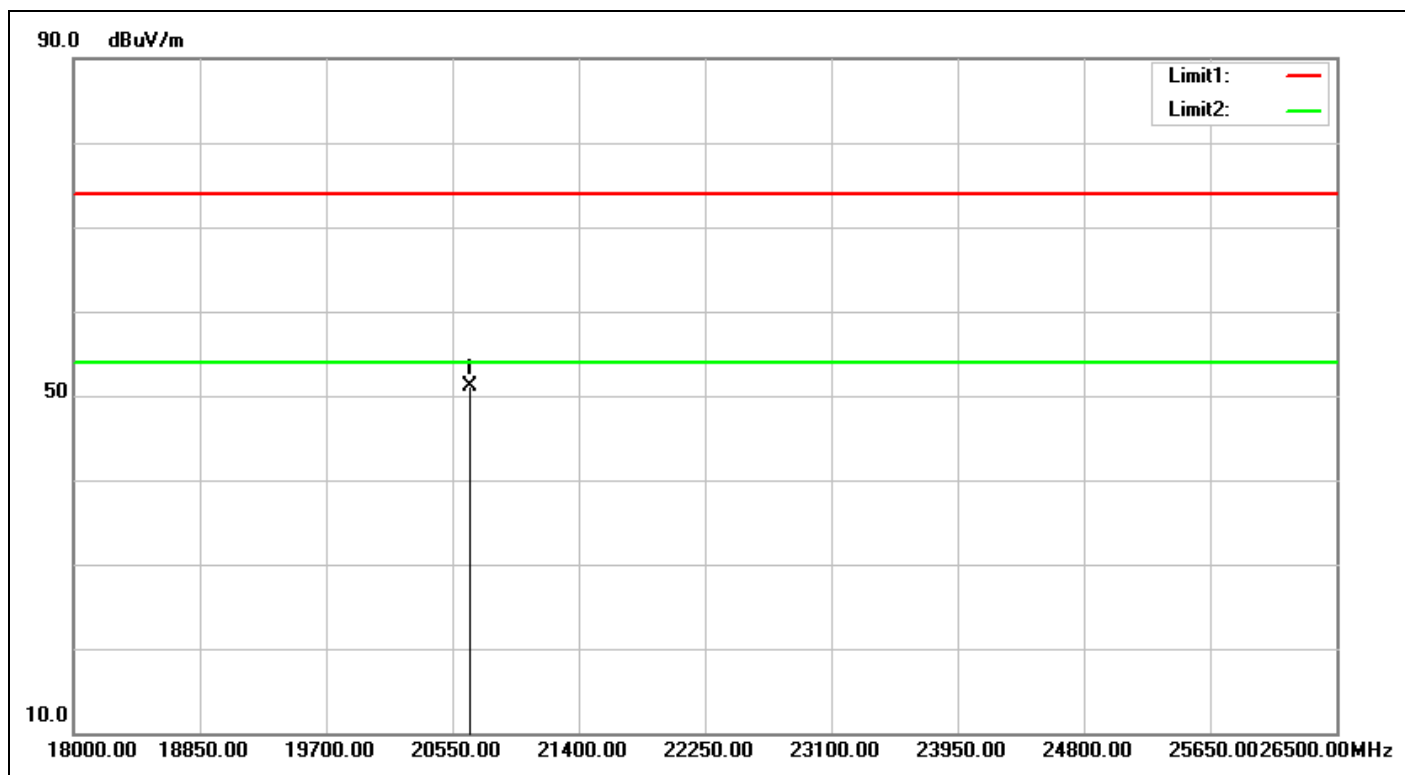
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:22:42
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2480+2479-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20176.000	31.57	19.96	51.53	74.00	-22.47	peak			



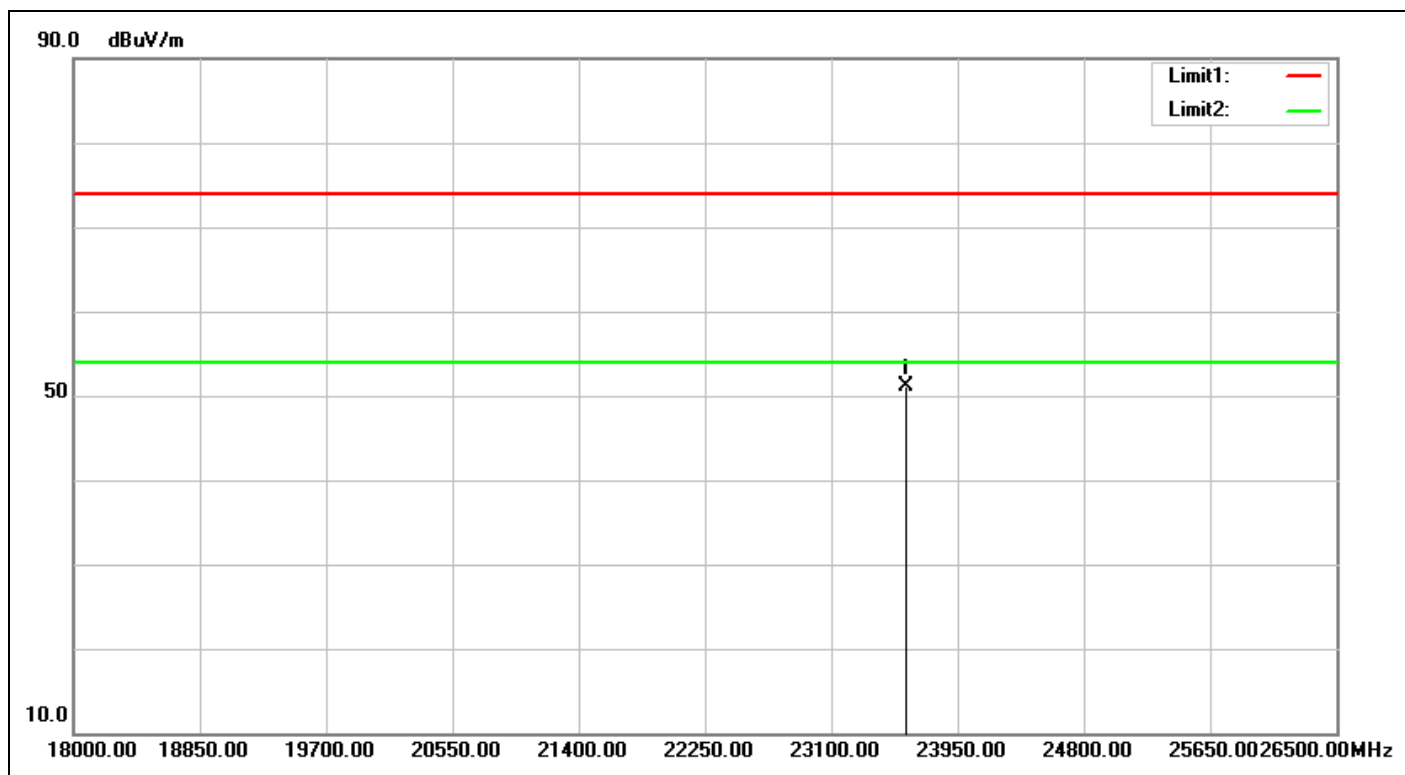
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 17:22:53
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2480+2479-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20346.000	31.66	18.89	50.55	74.00	-23.45	peak			



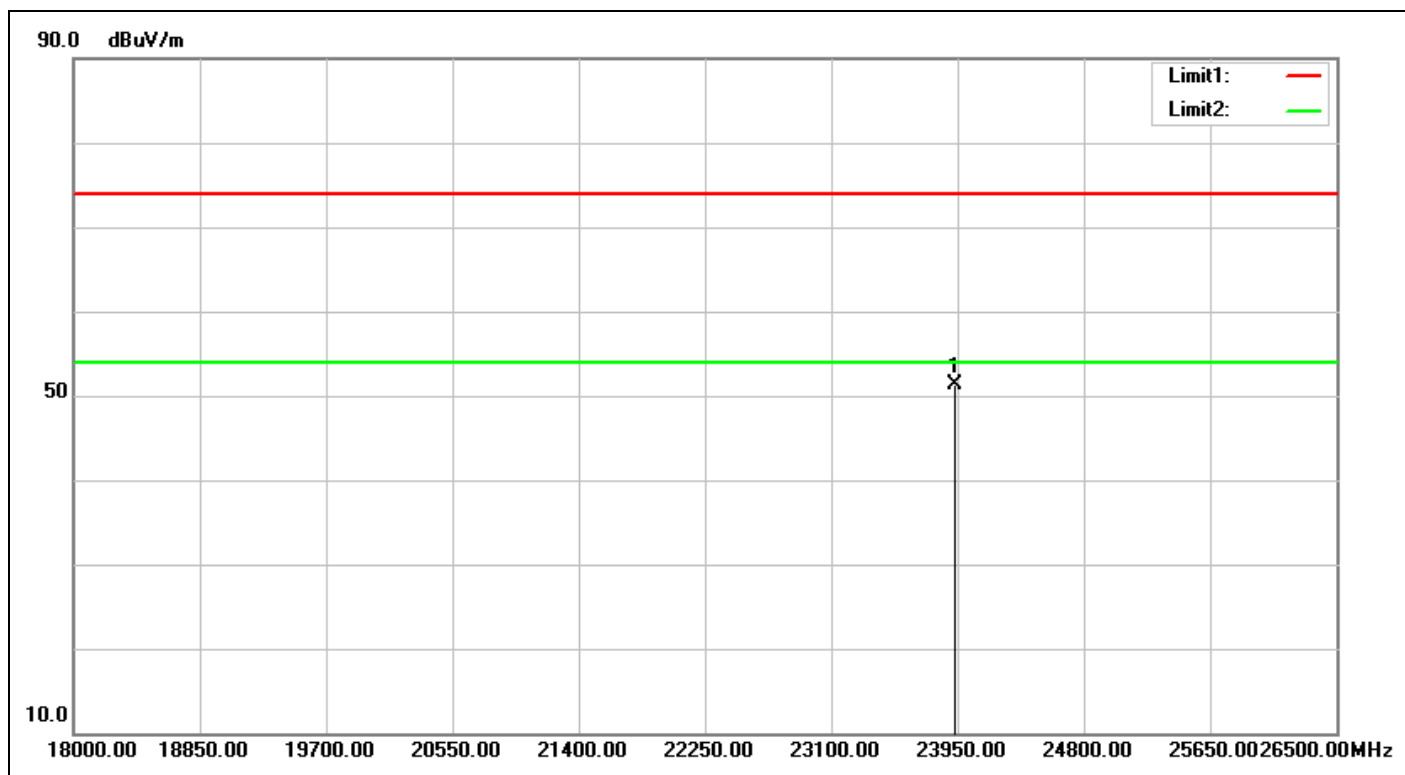
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:23:54
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2402+2403-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20669.000	31.80	19.40	51.20	74.00	-22.80	peak			



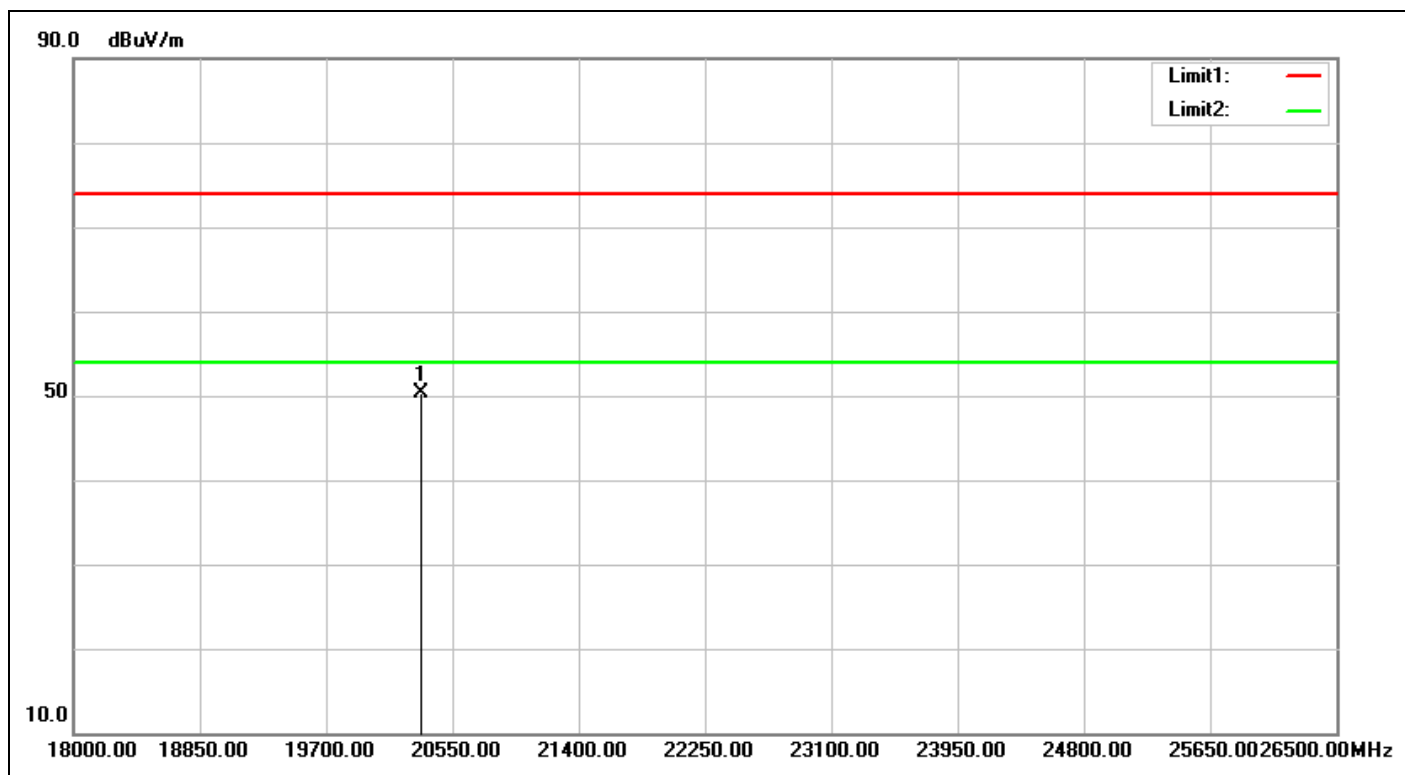
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 17:24:01
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2402+2403-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23601.500	32.64	18.45	51.09	74.00	-22.91	peak			



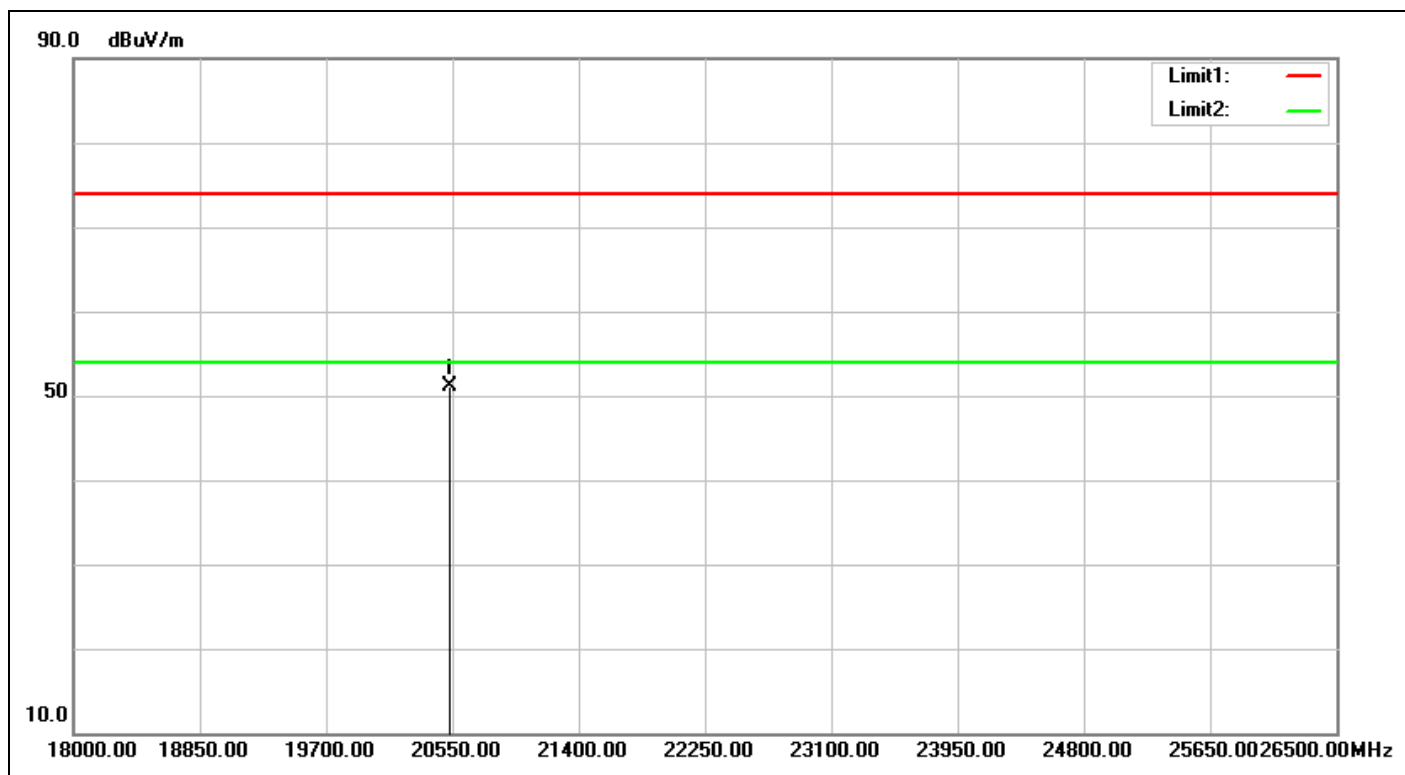
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:23:29
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23933.000	32.00	19.38	51.38	74.00	-22.62	peak			



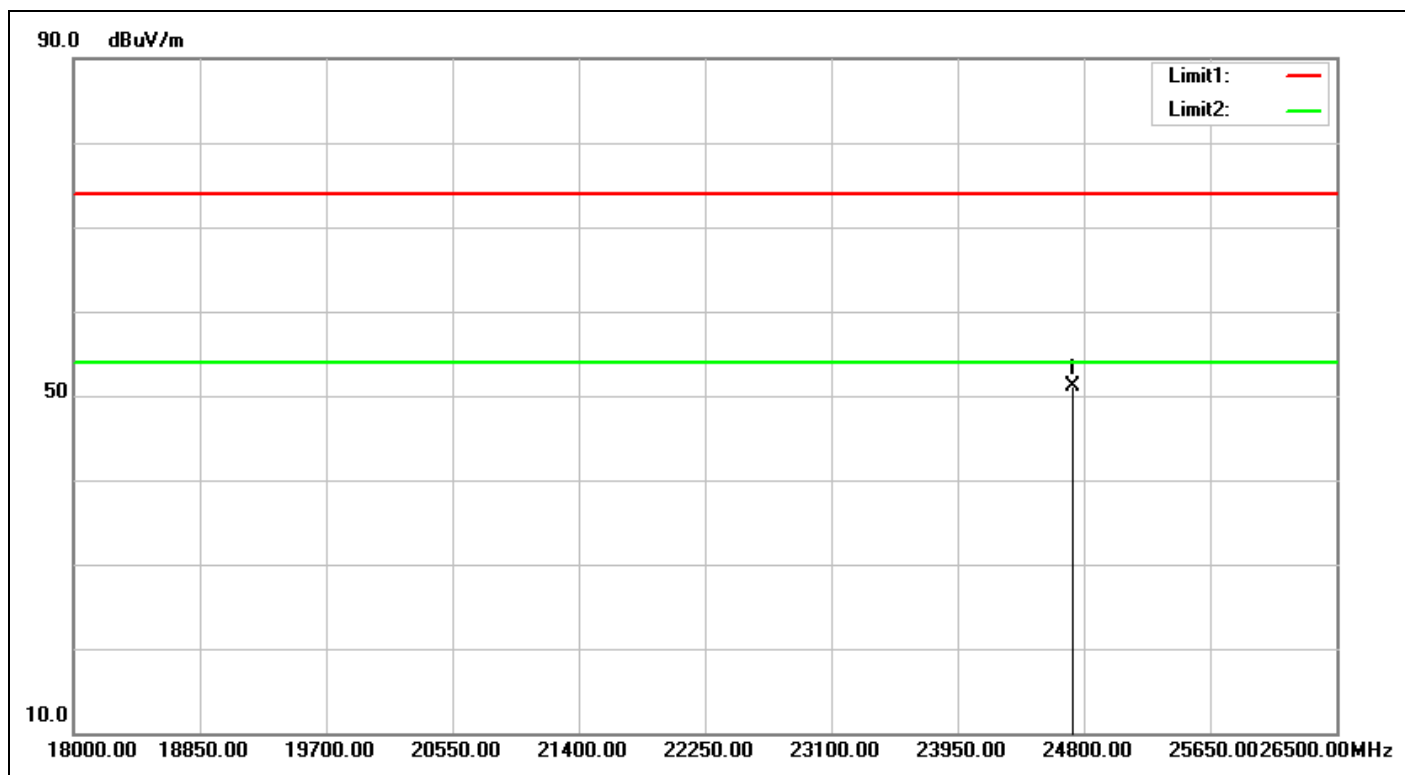
Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 17:23:38
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20337.500	31.65	18.62	50.27	74.00	-23.73	peak			



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:23:06
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2480+2479-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20533.000	31.74	19.29	51.03	74.00	-22.97	peak			



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 17:23:14
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	3DH5-2480+2479-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24723.500	33.39	17.70	51.09	74.00	-22.91	peak			

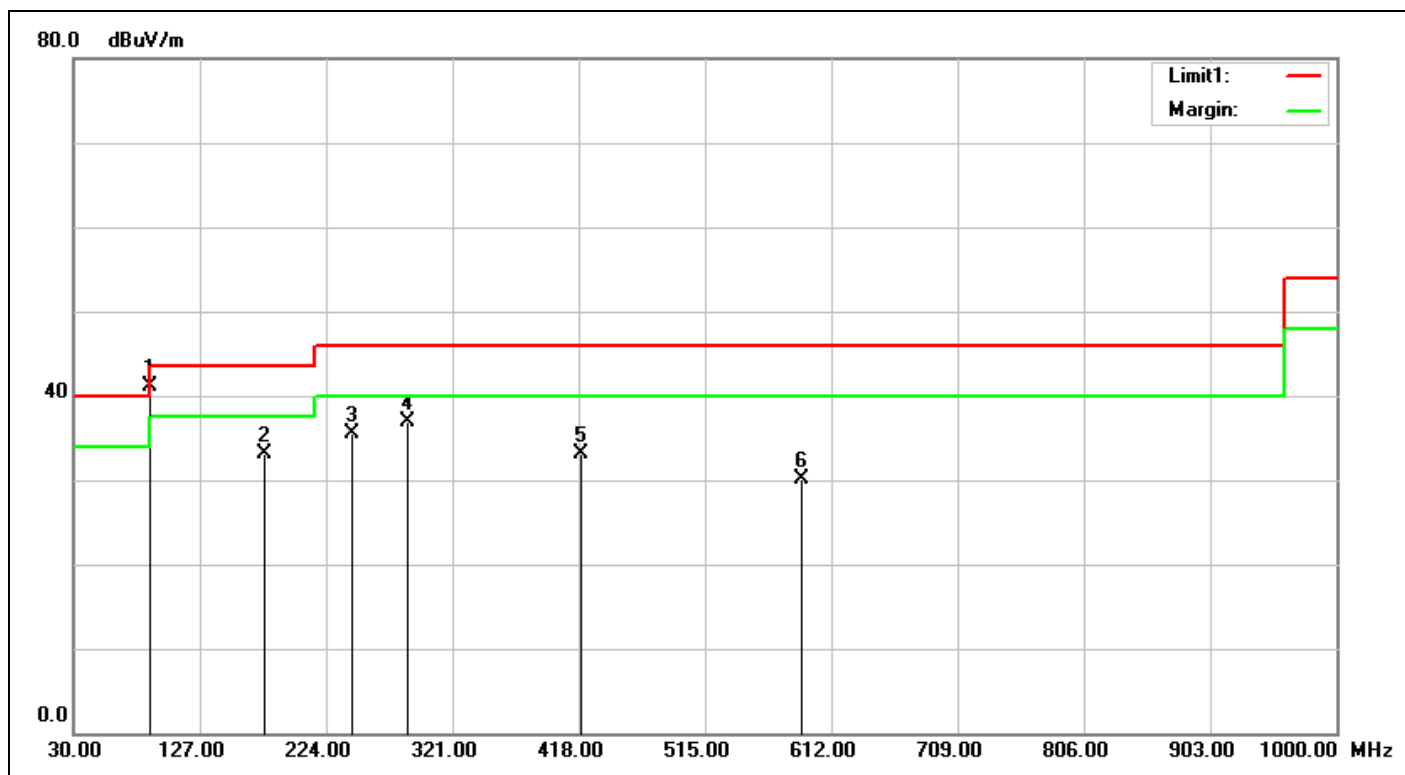
Spurious Emissions, TX Mode, 30M-1G



TUV Taiwan

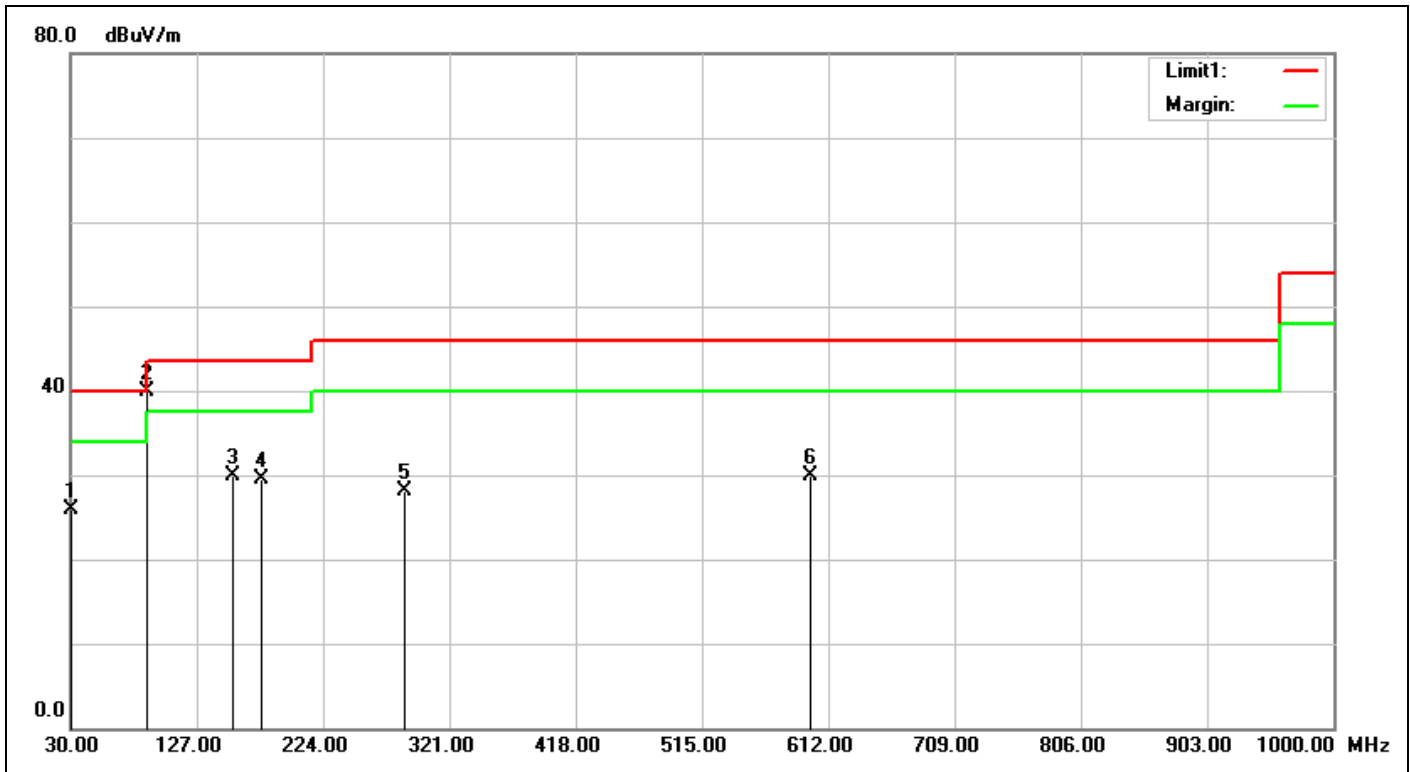
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 18:16:15
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	88.2000	-11.05	52.15	41.10	43.50	-2.40	QP	100	209	
2	176.4700	-9.40	42.58	33.18	43.50	-10.32	QP	100	209	
3	243.4000	-6.36	41.80	35.44	46.00	-10.56	QP	100	161	
4	287.0500	-4.82	41.72	36.90	46.00	-9.10	QP	100	41	
5	419.9400	-2.40	35.59	33.19	46.00	-12.81	QP	100	72	
6	588.7200	-0.17	30.29	30.12	46.00	-15.88	QP	100	203	



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 18:17:19
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.07	25.93	25.86	40.00	-14.14	QP	100	351	
2	88.2000	-11.05	50.91	39.86	43.50	-3.64	QP	100	57	
3	154.1600	-7.66	37.63	29.97	43.50	-13.53	QP	100	265	
4	176.4700	-9.40	38.97	29.57	43.50	-13.93	QP	100	228	
5	287.0500	-4.82	32.85	28.03	46.00	-17.97	QP	100	89	
6	598.4200	-0.02	29.99	29.97	46.00	-16.03	QP	100	172	

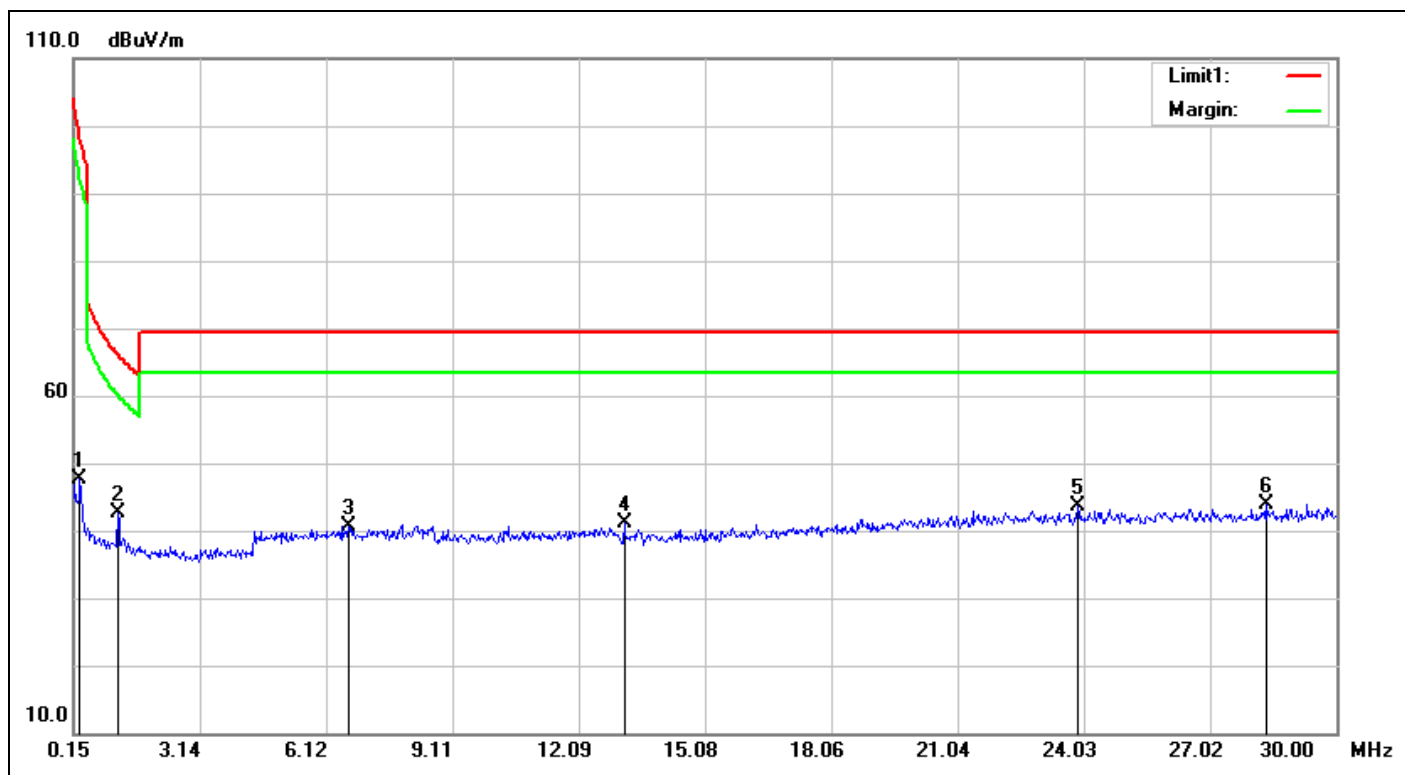
Spurious Emissions, TX Mode, 150K-30M



TUV Taiwan

11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 18:25:11
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.2992	18.67	28.93	47.60	98.08	-50.48	QP	100	249	
2	1.1947	19.04	23.47	42.51	66.08	-23.57	QP	100	249	
3	6.6573	19.87	20.87	40.74	69.50	-28.76	QP	100	129	
4	13.1646	20.76	20.30	41.06	69.50	-28.44	QP	100	287	
5	23.8807	21.83	21.77	43.60	69.50	-25.90	QP	100	5	
6	28.3284	22.16	21.82	43.98	69.50	-25.52	QP	100	3	

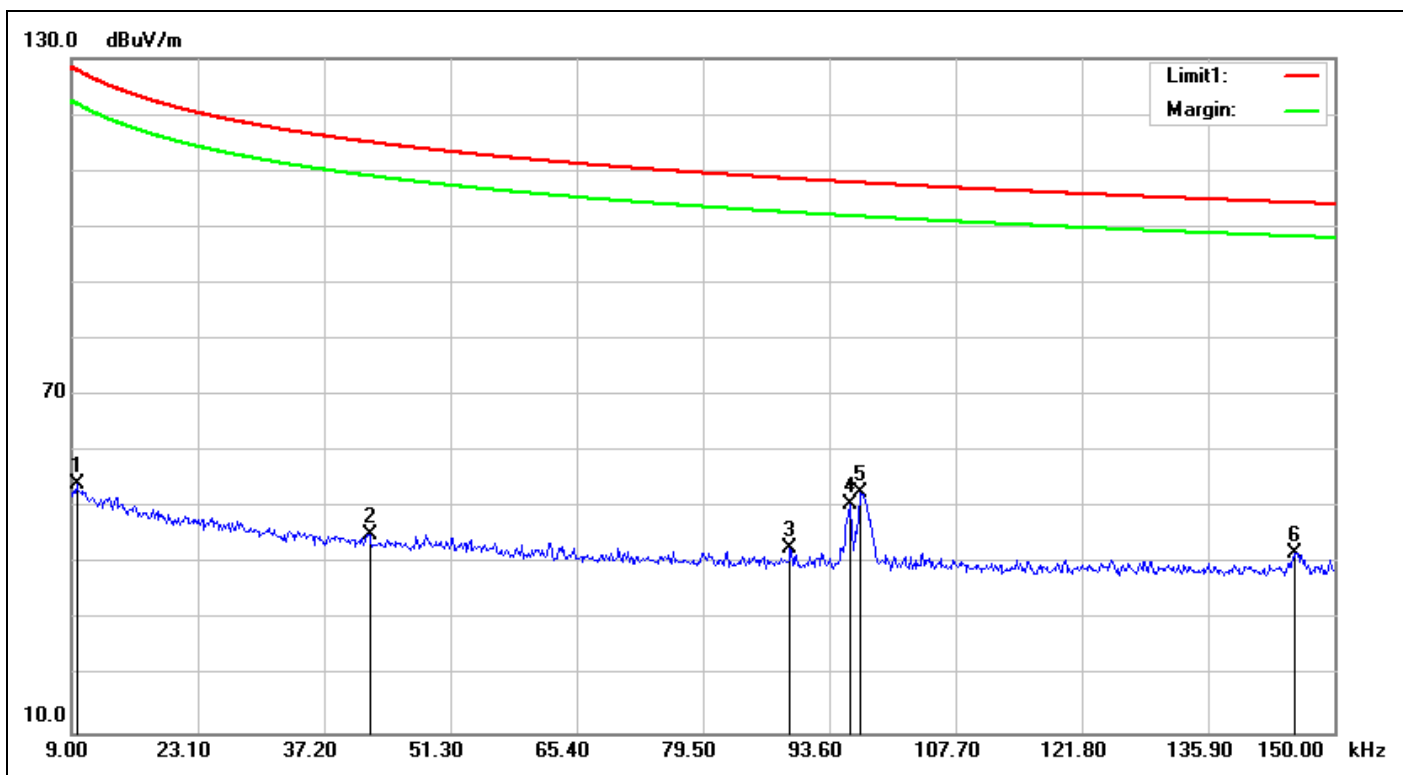
Spurious Emissions, TX Mode, 9K-150K



TUV Taiwan

11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 18:21:49
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0095	19.93	34.22	54.15	128.03	-73.88	peak	100	80	
2	0.0422	19.61	25.79	45.40	115.09	-69.69	peak	100	70	
3	0.0892	18.93	24.06	42.99	108.59	-65.60	peak	100	43	
4	0.0958	18.87	31.82	50.69	107.97	-57.28	peak	100	265	
5	0.0971	18.86	34.01	52.87	107.85	-54.98	peak	100	153	
6	0.1456	18.80	23.17	41.97	104.33	-62.36	peak	100	43	

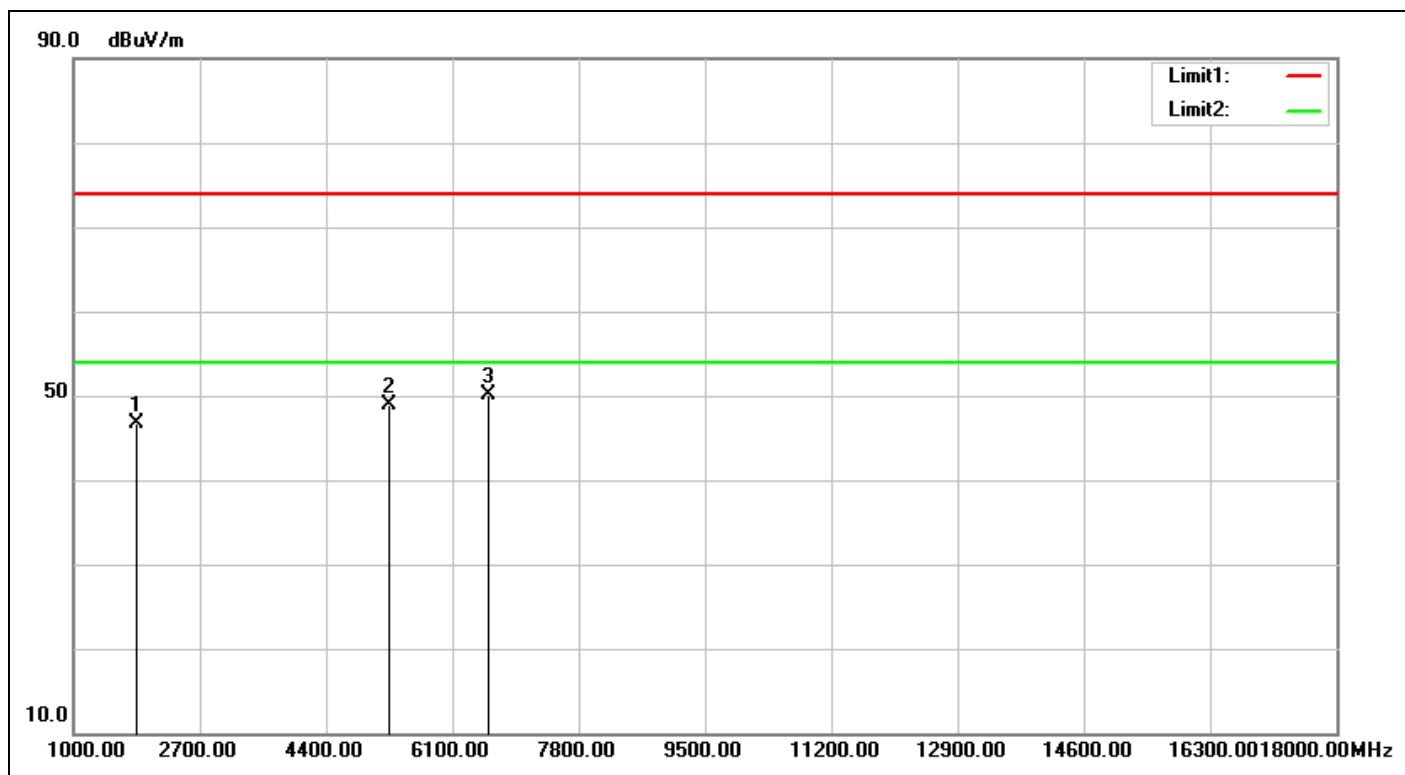
Spurious Emissions, RX Mode, 1-18G



TUV Taiwan

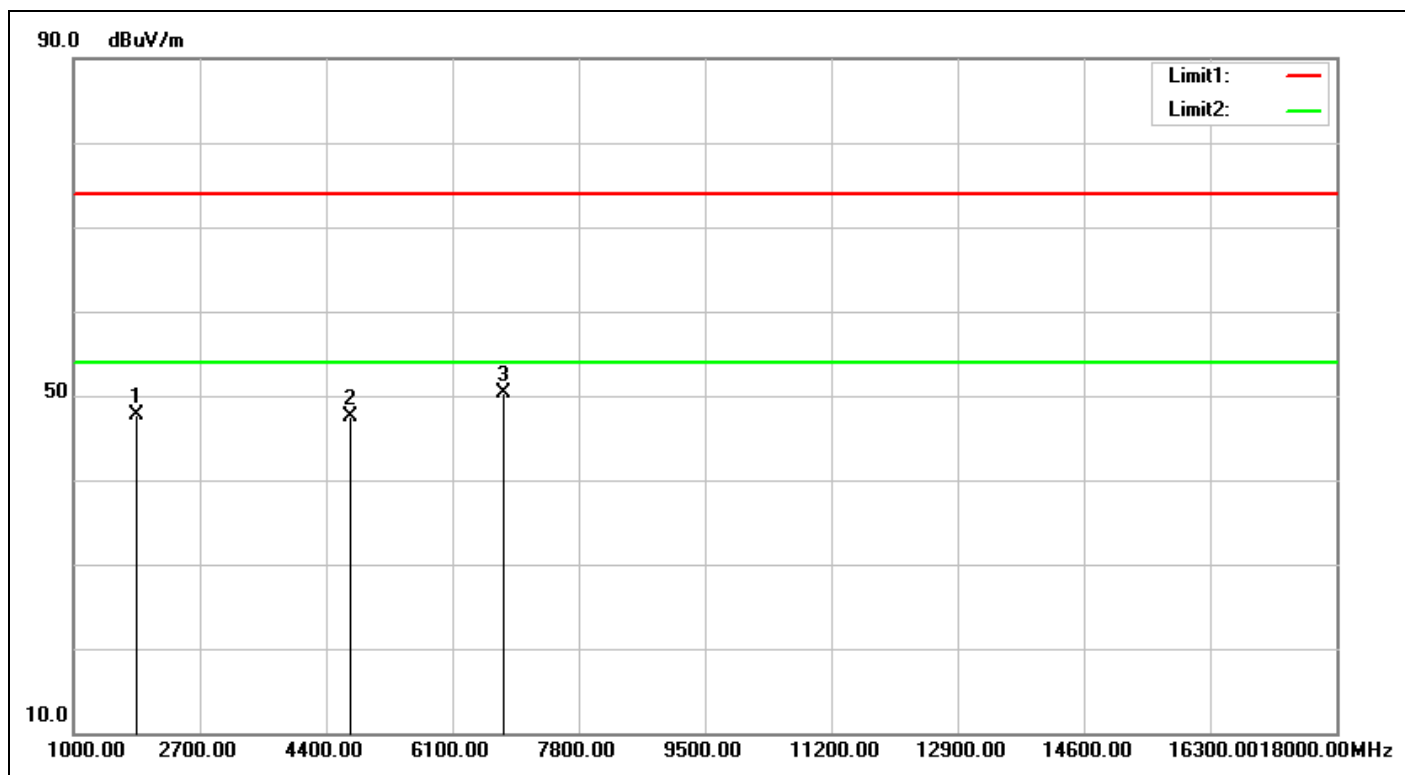
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:15:43
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1850.000	-8.68	55.45	46.77	74.00	-27.23	peak	100	251	
2	5250.000	-0.99	49.89	48.90	74.00	-25.10	peak	100	187	
3	6576.000	5.54	44.64	50.18	74.00	-23.82	peak	100	332	



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 17:16:46
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%)	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1850.000	-8.68	56.34	47.66	74.00	-26.34	peak	100	145	
2	4723.000	-3.04	50.47	47.43	74.00	-26.57	peak	100	2	
3	6797.000	5.19	45.05	50.24	74.00	-23.76	peak	100	90	

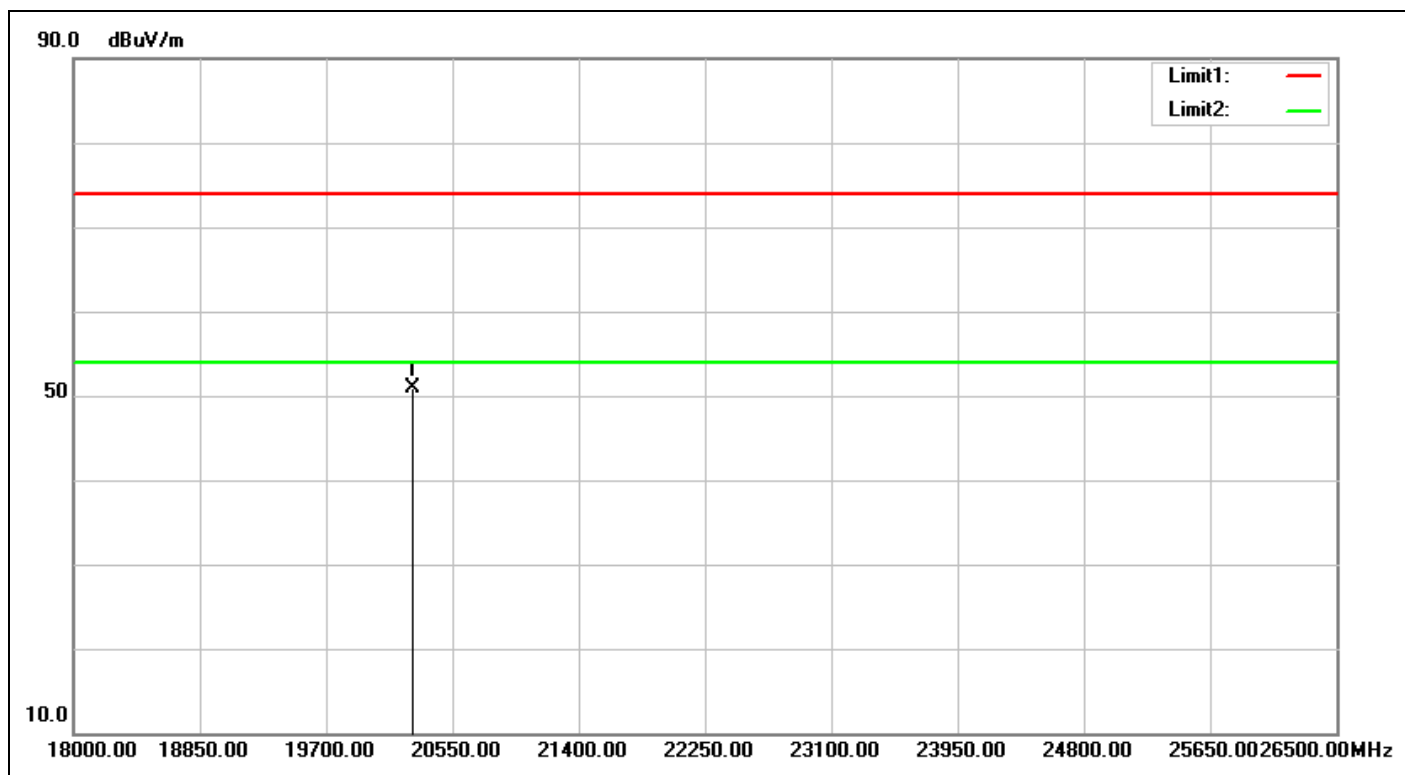
Spurious Emissions, RX Mode, 18-26G



TUV Taiwan

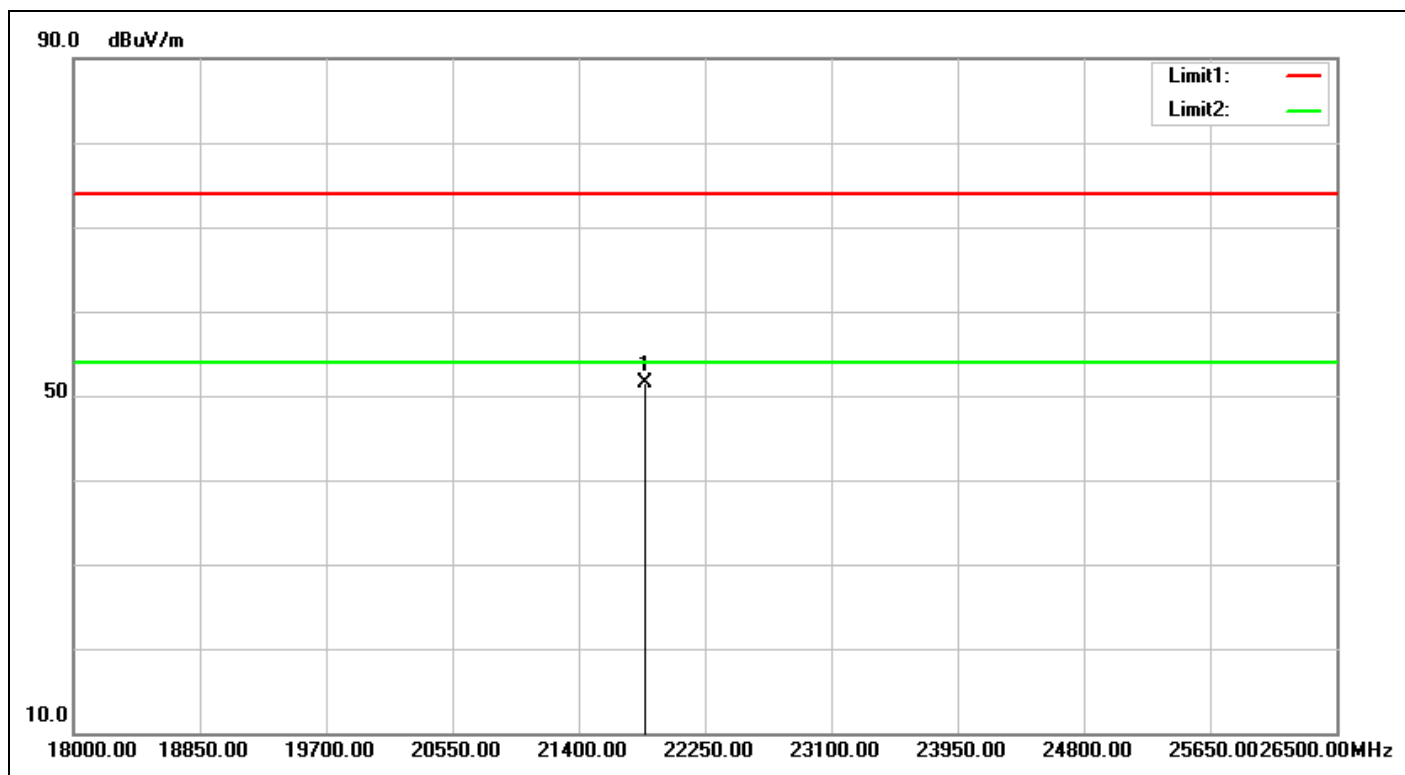
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Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 17:21:24
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20286.500	31.62	19.36	50.98	74.00	-23.02	peak		0	



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 17:21:36
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21850.500	32.97	18.46	51.43	74.00	-22.57	peak			

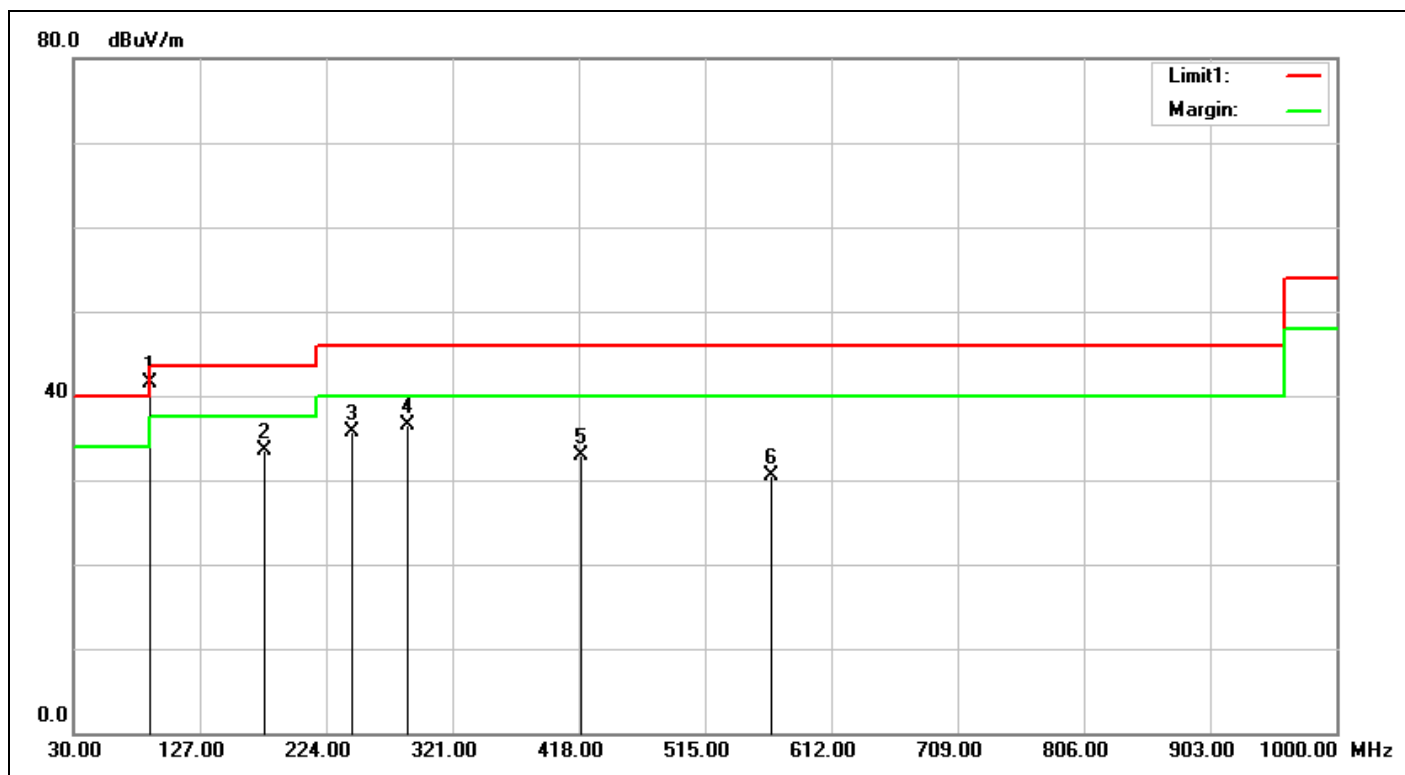
Spurious Emissions, RX Mode, 30M-1G



TUV Taiwan

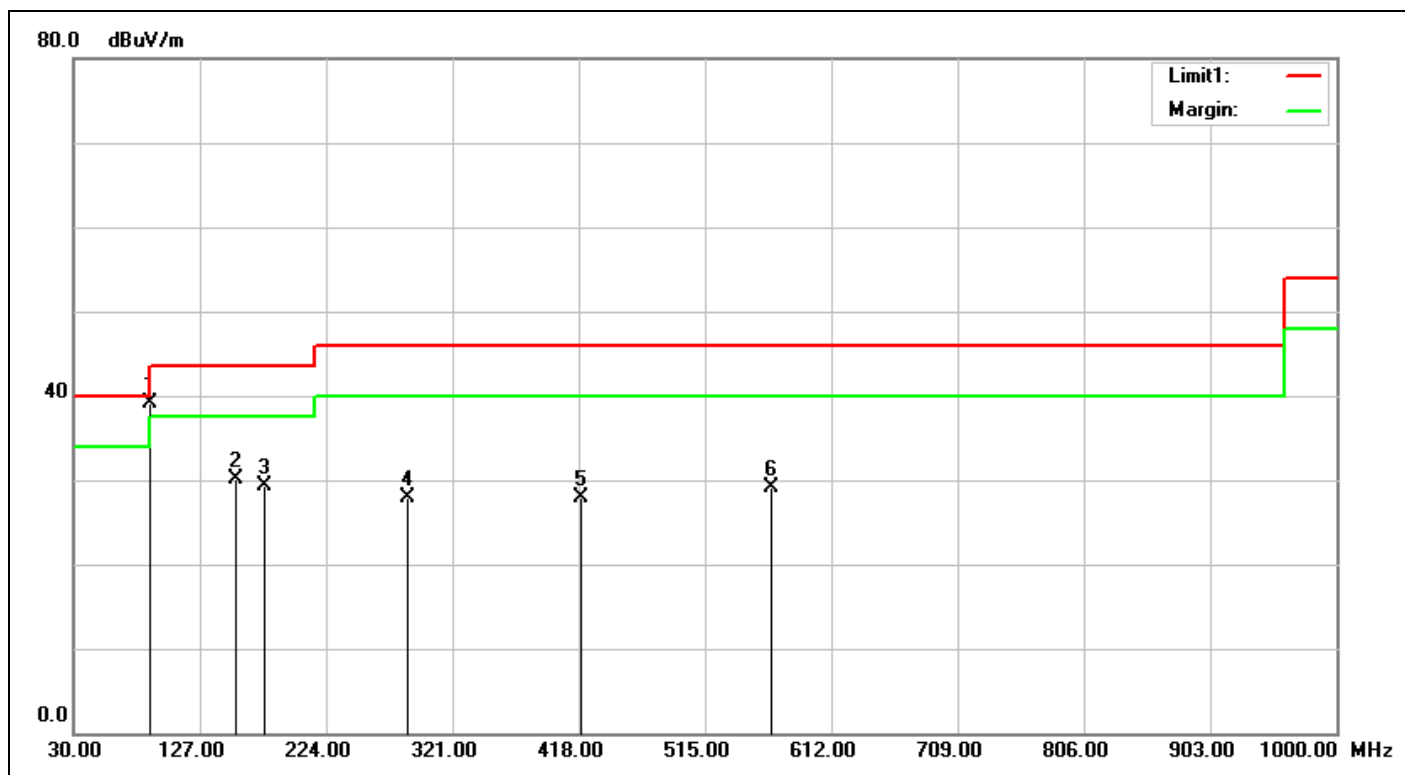
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Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/6/1 18:09:34
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	88.5000	-11.02	52.52	41.50	43.50	-2.00	QP	100	205	
2	176.4700	-9.40	42.87	33.47	43.50	-10.03	QP	100	205	
3	243.4000	-6.36	42.00	35.64	46.00	-10.36	QP	100	162	
4	287.0500	-4.82	41.28	36.46	46.00	-9.54	QP	100	37	
5	419.9400	-2.40	35.36	32.96	46.00	-13.04	QP	100	77	
6	566.4100	-0.52	30.99	30.47	46.00	-15.53	QP	100	210	



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/6/1 18:10:37
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	88.5000	-11.02	50.12	39.10	43.50	-4.40	QP	100	70	
2	154.1600	-7.66	37.84	30.18	43.50	-13.32	QP	100	254	
3	176.4700	-9.40	38.76	29.36	43.50	-14.14	QP	100	201	
4	287.0500	-4.82	32.77	27.95	46.00	-18.05	QP	100	99	
5	419.9400	-2.40	30.36	27.96	46.00	-18.04	QP	100	286	
6	566.4100	-0.52	29.70	29.18	46.00	-16.82	QP	100	289	

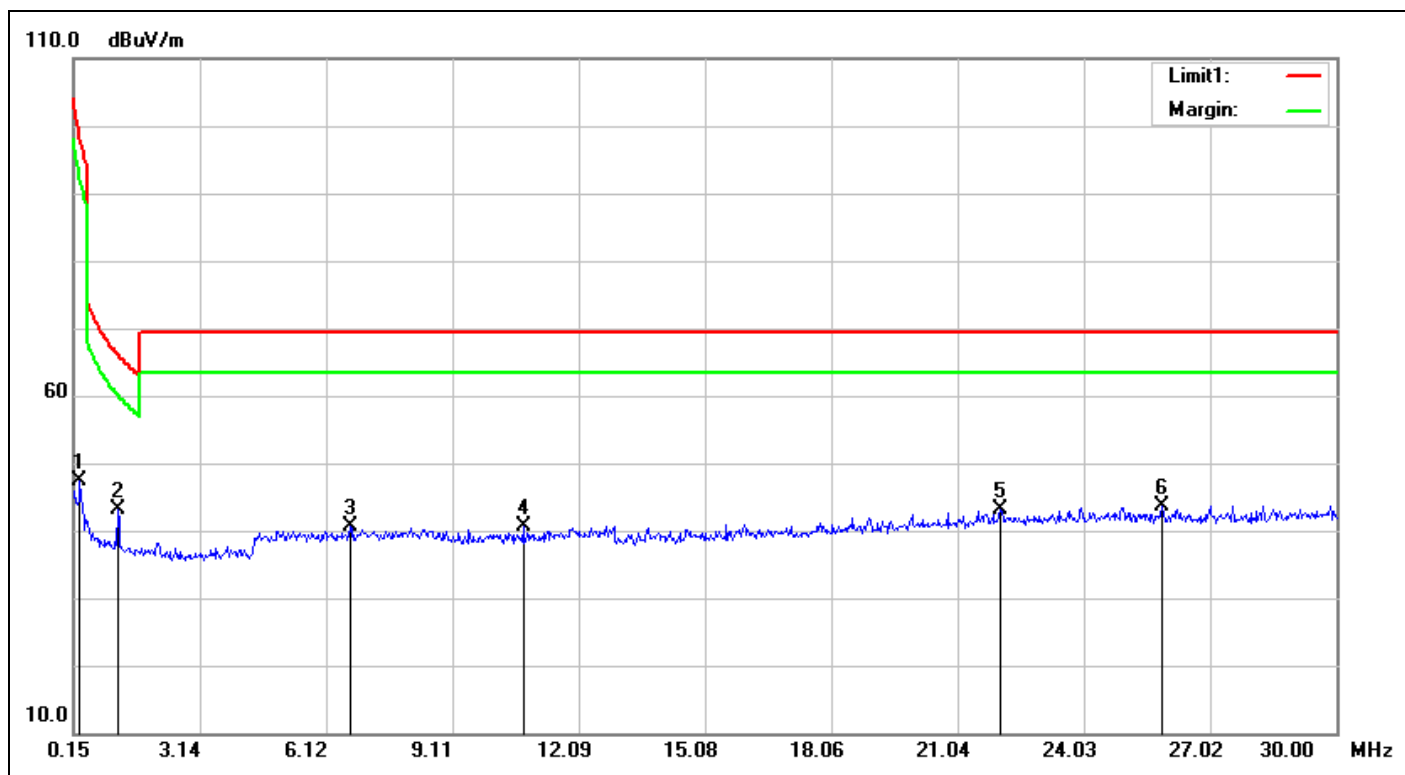
Spurious Emissions, RX Mode, 150K-30M



TUV Taiwan

11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 18:26:14
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%) :	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.2993	18.67	28.82	47.49	98.08	-50.59	QP	100	247	
2	1.1948	19.04	24.04	43.08	66.08	-23.00	QP	100	261	
3	6.6872	19.87	20.86	40.73	69.50	-28.77	QP	100	279	
4	10.7766	20.48	20.27	40.75	69.50	-28.75	QP	100	188	
5	22.0599	21.70	21.33	43.03	69.50	-26.47	QP	100	121	
6	25.8807	21.98	21.59	43.57	69.50	-25.93	QP	100	196	

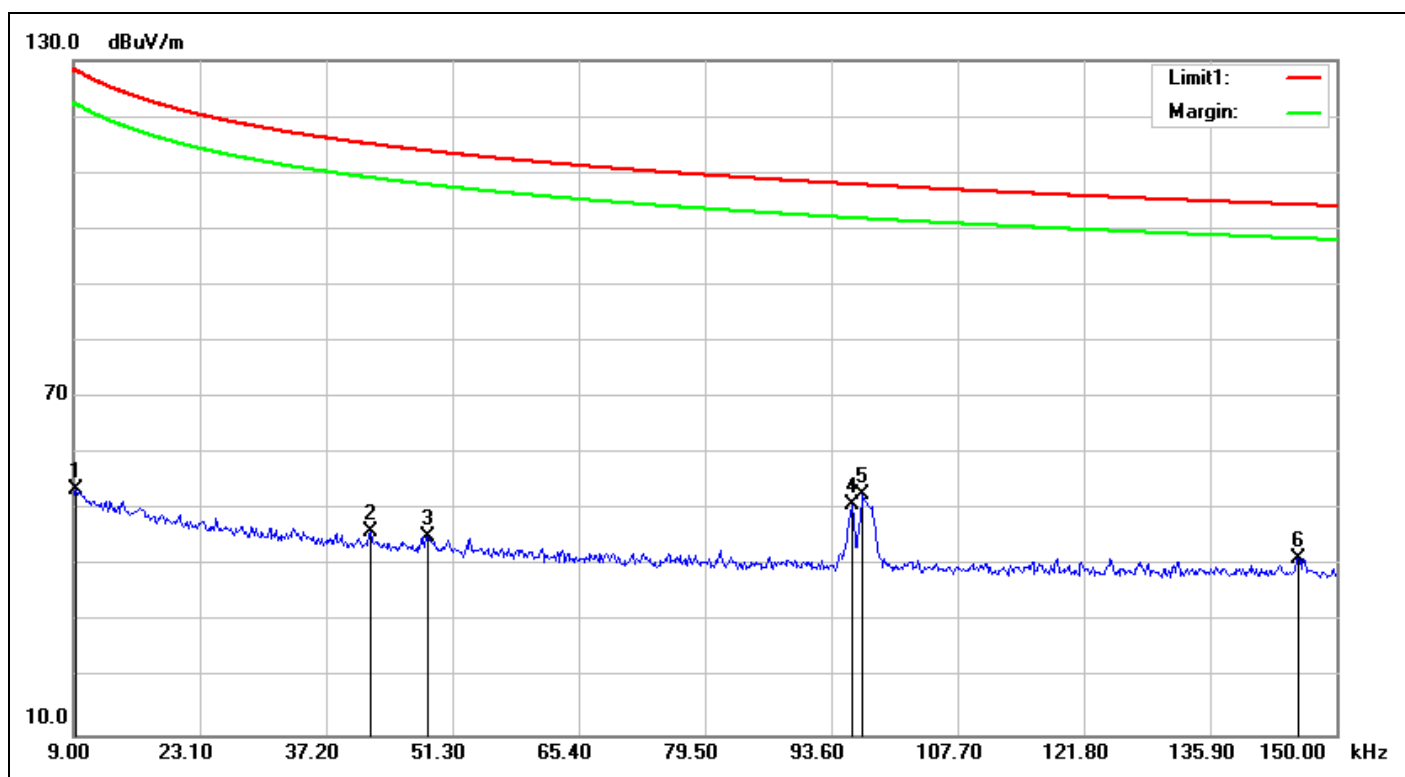
Spurious Emissions, RX Mode, 9K-150K



TUV Taiwan

11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

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Service No.:	114064731	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/6/1 18:22:53
Applicant:	Aesopower	Test Rating:	DC 5V
Product:	Troffer Light	Temp.(°C)/Hum.(%):	23(°C)/58%
Model No.:	CTB005	Test Engineer:	George Yang
Test Mode:	1DH5-2442+2443-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0093	19.77	33.84	53.61	128.22	-74.61	QP	100	135	
2	0.0421	19.62	26.60	46.22	115.11	-68.89	QP	100	17	
3	0.0485	19.30	26.02	45.32	113.88	-68.56	QP	100	186	
4	0.0959	18.87	32.22	51.09	107.96	-56.87	QP	100	360	
5	0.0971	18.86	33.88	52.74	107.85	-55.11	QP	100	242	
6	0.1458	18.80	22.67	41.47	104.32	-62.85	QP	100	247	