

# Test Report No.10054947 001

## Appendix D: Radiated and Mains Spurious Emission Data

(File: 10054947AppendixD)

### Contents

Emissions, Fundamental.....	2
Spurious Emissions, TX Mode, 9K-30M .....	3
Spurious Emissions, TX Mode, 30M-1G .....	5
Emission Mask .....	7

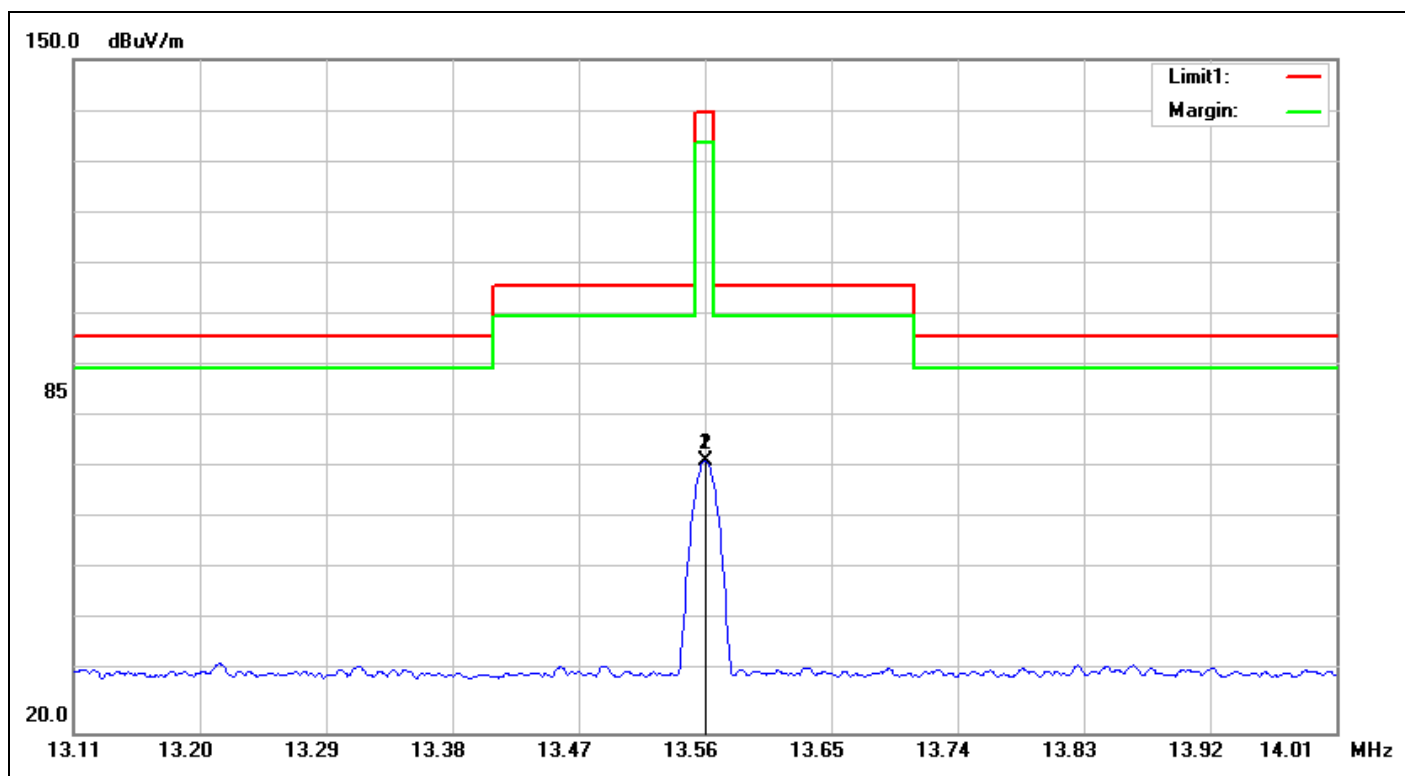
## Emissions, Fundamental



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Service No.:	114045559-NCC	Test Distance:	1.2m
Test Standard:	NCC_3.2_Fundamental_1.2m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2016/1/29 19:01:46
Applicant:	WEIDER	Test Rating:	DC 6V
Product:	WEIDER WDEL-9800 Digital sound insulation fire door motor lock	Temp.(°C)/Hum.(%):	18.6(°C)/64%
Model No.:	WDEL-9800	Test Engineer:	George Yang
Test Mode:	Fundamental		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	13.5600	20.94	51.57	72.51	135.90	-63.39	peak	100	94	
2	13.5600	20.94	51.56	72.50	135.90	-63.40	QP	100	94	

## Spurious Emissions, TX Mode, 30-1GHz

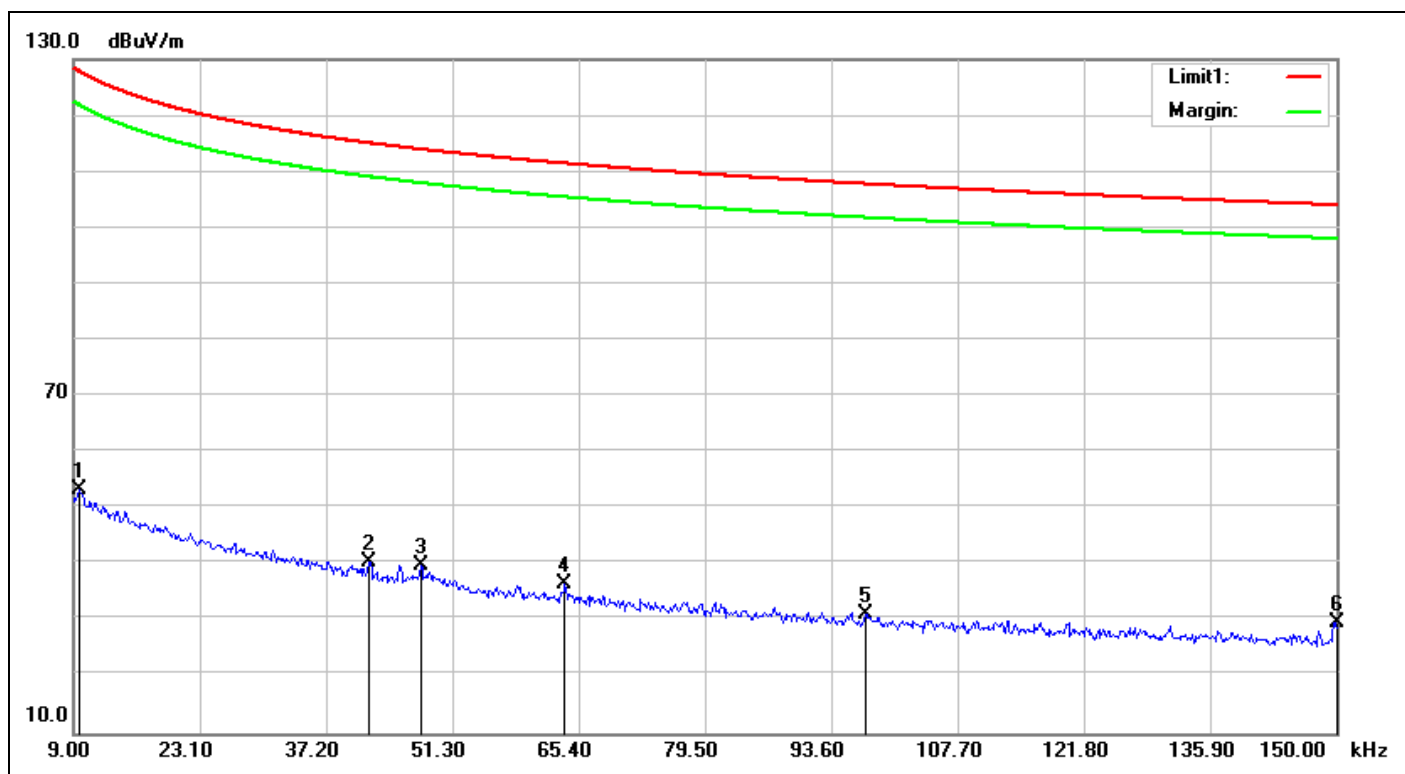
## Spurious Emissions, TX Mode, 9K-30M



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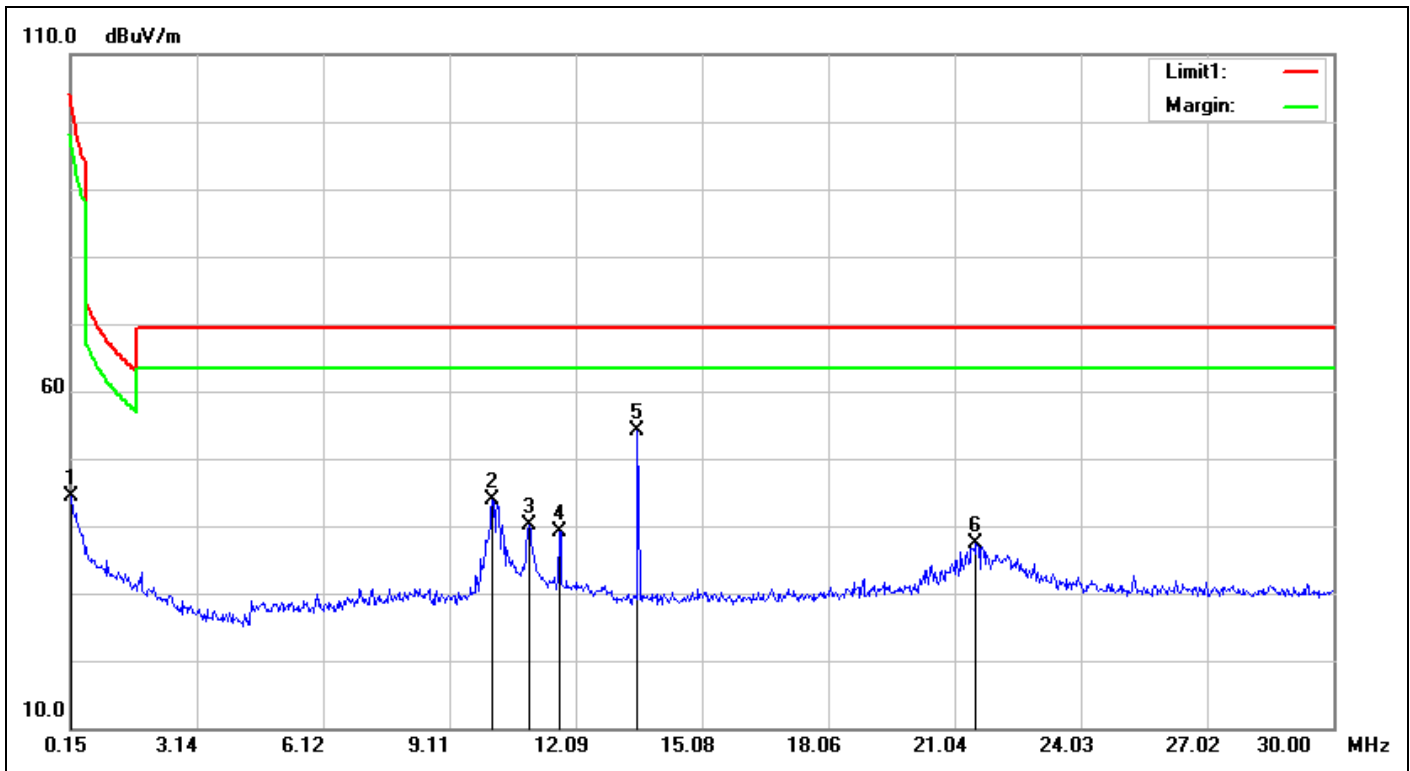
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Service No.:	114045559-NCC	Test Distance:	3m
Test Standard:	NCC_3.2_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2016/1/28 20:52:25
Applicant:	WEIDER	Test Rating:	DC 6V
Product:	WEIDER WDEL-9800 Digital sound insulation fire door motor lock	Temp.(°C)/Hum.(%):	19.6(°C)/63%
Model No.:	WDEL-9800	Test Engineer:	George Yang
Test Mode:	13.56MHz-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0096	20.31	33.17	53.48	127.84	-74.36	QP	100	102	
2	0.0420	19.94	20.54	40.48	115.07	-74.59	QP	100	11	
3	0.0478	19.71	20.17	39.88	113.95	-74.07	QP	100	104	
4	0.0638	19.52	16.99	36.51	111.45	-74.94	QP	100	75	
5	0.0974	19.26	11.86	31.12	107.78	-76.66	QP	100	333	
6	0.1500	19.25	10.38	29.63	104.05	-74.42	QP	100	304	

## Spurious Emissions, TX Mode, 30-1GHz



<b>Service No.:</b>	<b>114045559-NCC</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>NCC_3.2_9k-1G_3m</b>	<b>Ant. Polarization:</b>	
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2016/1/28 20:49:58</b>
<b>Applicant:</b>	<b>WEIDER</b>	<b>Test Rating:</b>	<b>DC 6V</b>
<b>Product:</b>	<b>WEIDER WDEL-9800 Digital sound insulation fire door motor lock</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>19.6(°C)/63%</b>
<b>Model No.:</b>	<b>WDEL-9800</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>13.56MHz-TX</b>		
<b>Remark:</b>			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	0.1799	19.25	25.02	44.27	102.47	-58.20	QP	100	232	
2	10.1198	20.50	23.45	43.95	69.50	-25.55	QP	100	360	
3	10.9855	20.62	19.39	40.01	69.50	-29.49	QP	100	40	
4	11.7020	20.70	18.45	39.15	69.50	-30.35	QP	100	107	
5	13.5526	20.94	33.24	54.18	69.50	-15.32	QP	100	3	
6	21.5525	21.83	15.43	37.26	69.50	-32.24	QP	100	2	

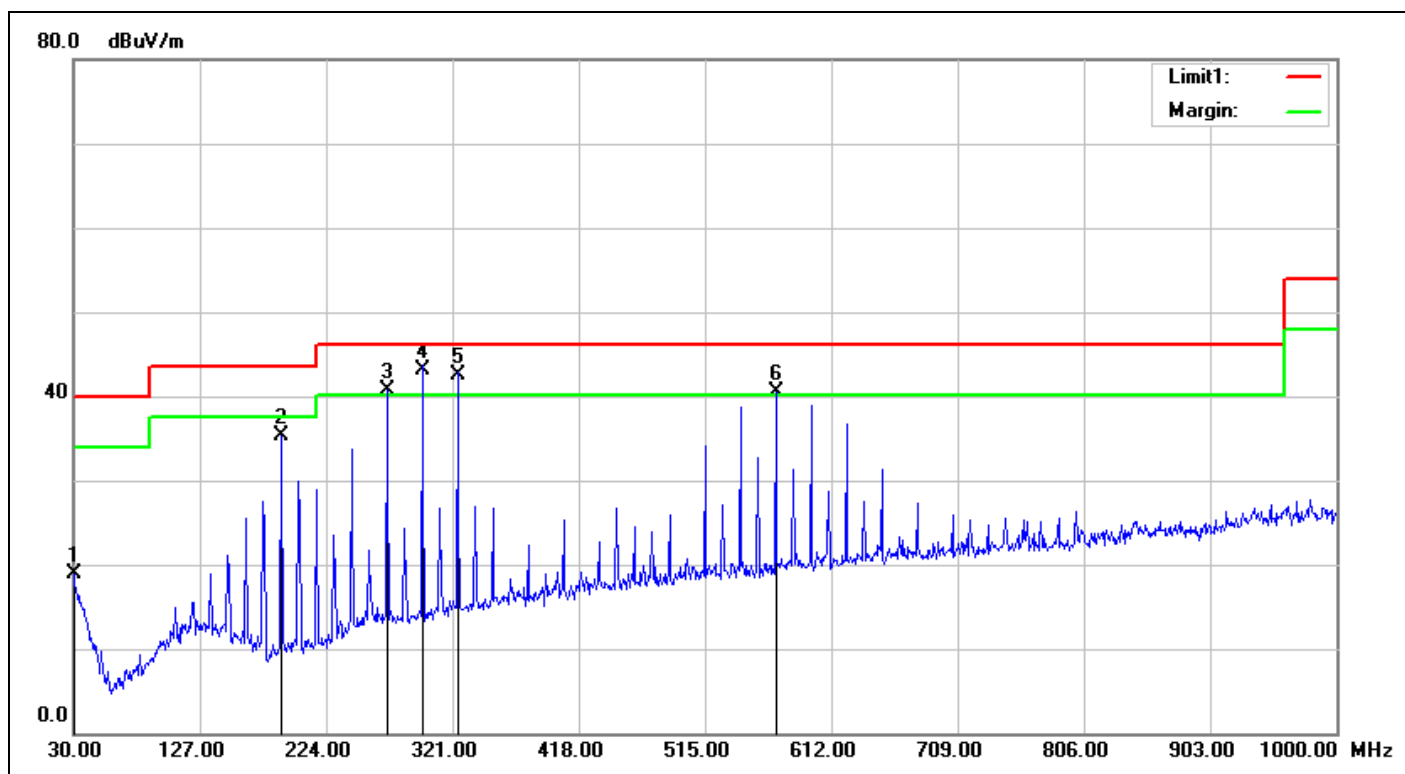
# Spurious Emissions, TX Mode, 30M-1G



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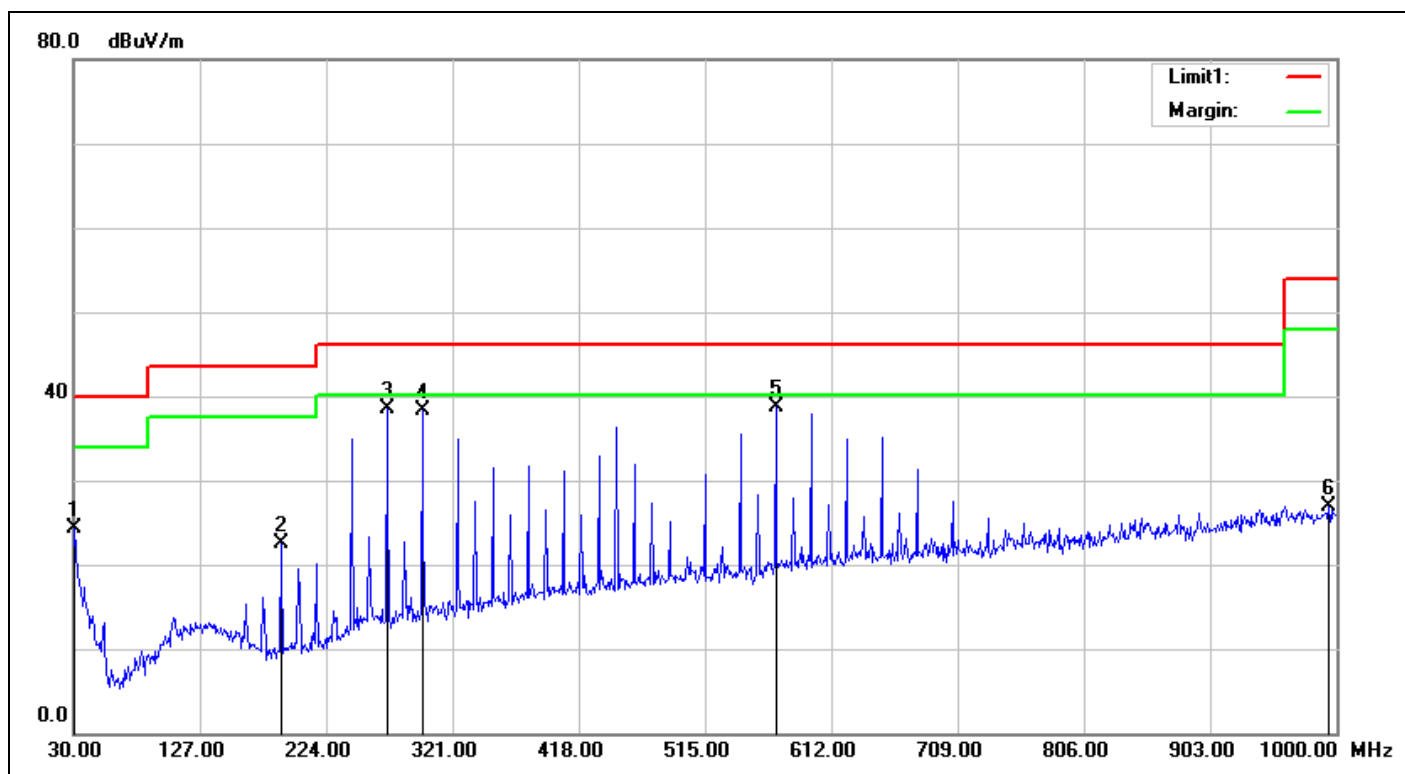
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Service No.:	114045559-NCC	Test Distance:	3m
Test Standard:	NCC_3.2_30M-40G_3m	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/1/28 20:30:25
Applicant:	WEIDER	Test Rating:	DC 6V
Product:	WEIDER WDEL-9800 Digital sound insulation fire door motor lock	Temp.(°C)/Hum.(%)	19.6(°C)/63%
Model No.:	WDEL-9800	Test Engineer:	George Yang
Test Mode:	13.56MHz-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	-5.85	24.81	18.96	40.00	-21.04	QP	100	280	
2	189.0800	-15.43	50.80	35.37	43.52	-8.15	QP	100	89	
3	270.5600	-11.34	51.95	40.61	46.02	-5.41	QP	100	288	
4	297.7200	-10.52	53.62	43.10	46.02	-2.92	QP	100	285	
5	324.8798	-9.93	52.53	42.60	46.02	-3.42	QP	100	89	
6	569.3200	-6.61	47.06	40.45	46.02	-5.57	QP	100	301	

## Spurious Emissions, TX Mode, 30-1GHz



Service No.:	114045559-NCC	Test Distance:	3m
Test Standard:	NCC_3.2_30M-40G_3m	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/1/28 20:31:29
Applicant:	WEIDER	Test Rating:	DC 6V
Product:	WEIDER WDEL-9800 Digital sound insulation fire door motor lock	Temp.(°C)/Hum.(%):	19.6(°C)/63%
Model No.:	WDEL-9800	Test Engineer:	George Yang
Test Mode:	13.56MHz-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.9700	-6.39	30.75	24.36	40.00	-15.64	QP	100	200	
2	189.0800	-15.43	37.88	22.45	43.52	-21.07	QP	100	189	
3	270.5600	-11.34	49.81	38.47	46.02	-7.55	QP	100	56	
4	297.7200	-10.52	48.83	38.31	46.02	-7.71	QP	100	91	
5	569.3200	-6.61	45.35	38.74	46.02	-7.28	QP	100	360	
6	994.1800	-0.05	26.96	26.91	54.00	-27.09	QP	100	112	

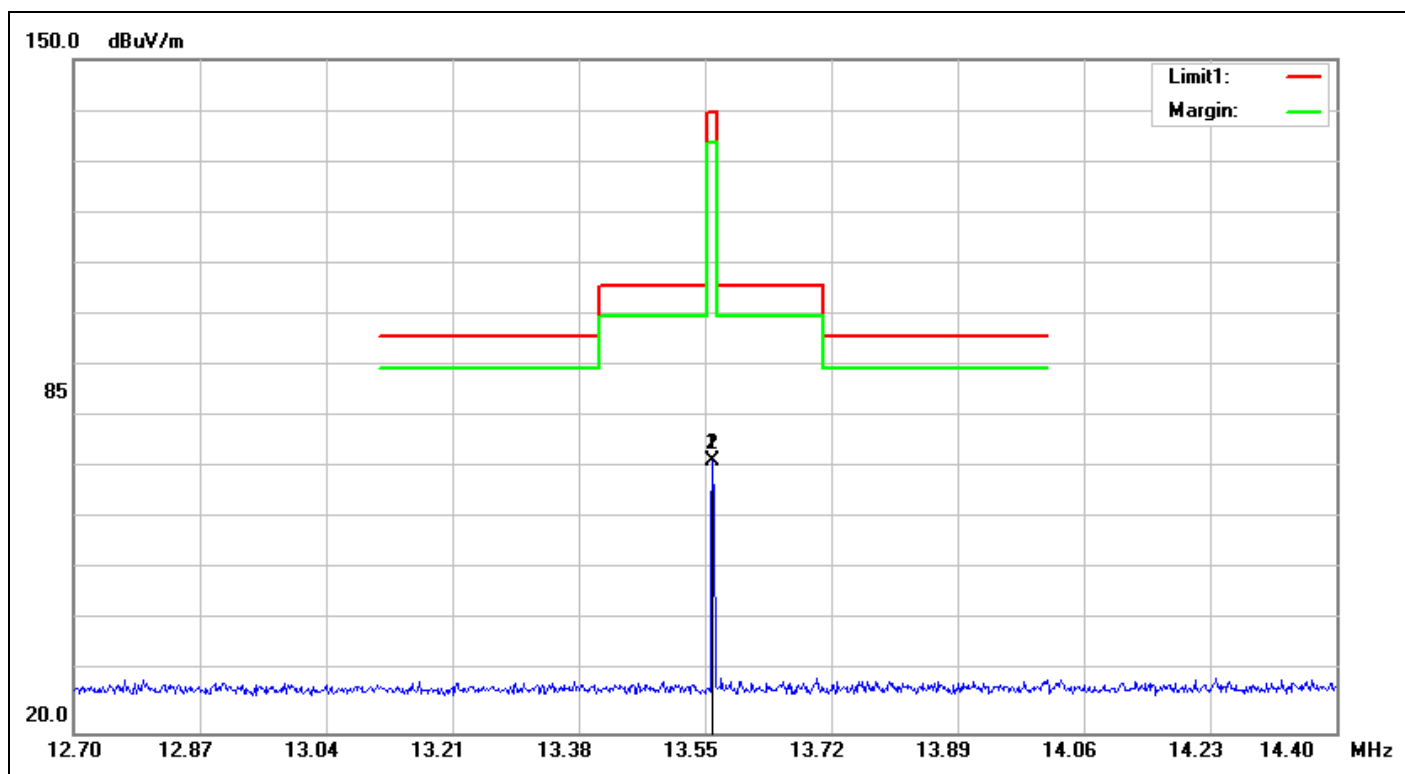
# Emission Mask



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Service No.:	114045559-NCC	Test Distance:	1.2m
Test Standard:	NCC_3.2_Fundamental_1.2m(dBuV/m)	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2016/1/29 19:20:37
Applicant:	WEIDER	Test Rating:	DC 6V
Product:	WEIDER WDEL-9800 Digital sound insulation fire door motor lock	Temp.(°C)/Hum.(%)	18.6(°C)/64%
Model No.:	WDEL-9800	Test Engineer:	George Yang
Test Mode:	Mask, RBW 1kHz		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	13.5602	20.94	51.59	72.53	135.90	-63.37	peak	100	94	
2	13.5602	20.94	51.56	72.50	135.90	-63.40	QP	100	94	