

# Test Report No.50073669 001

## Appendix D: Radiated and Mains Spurious Emission Data

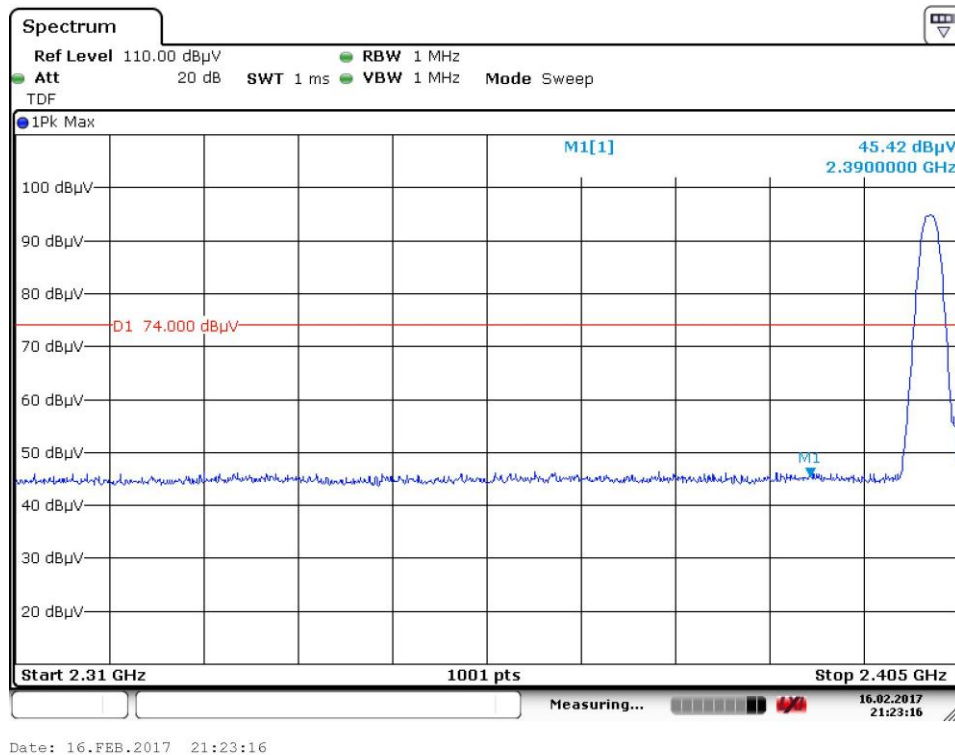
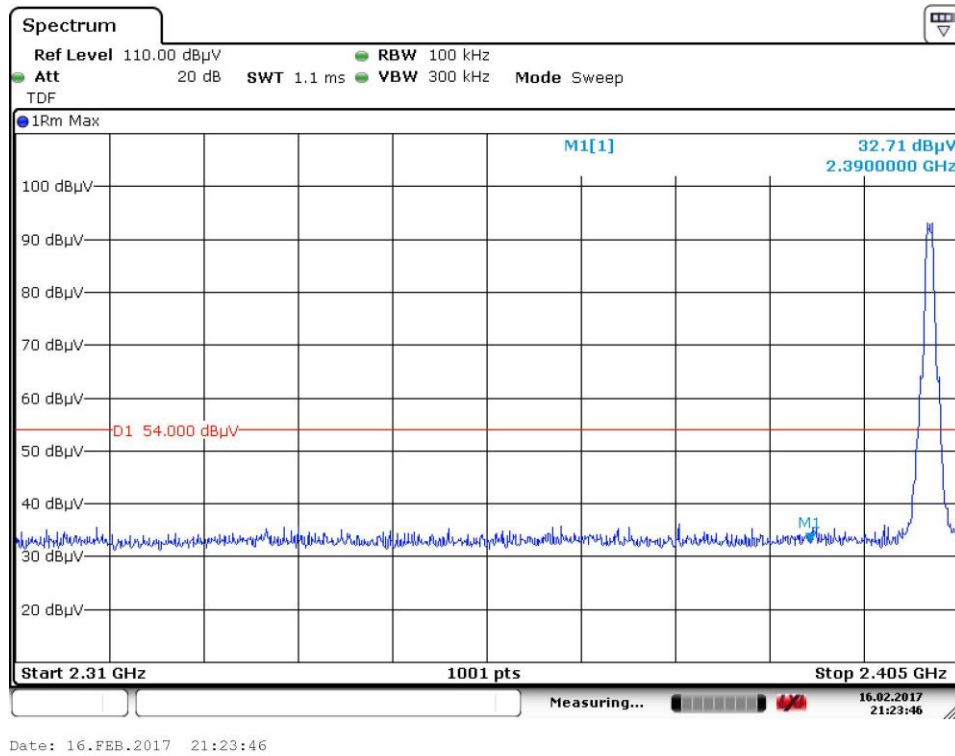
(File: 50073669 AppendixD)

### Contents

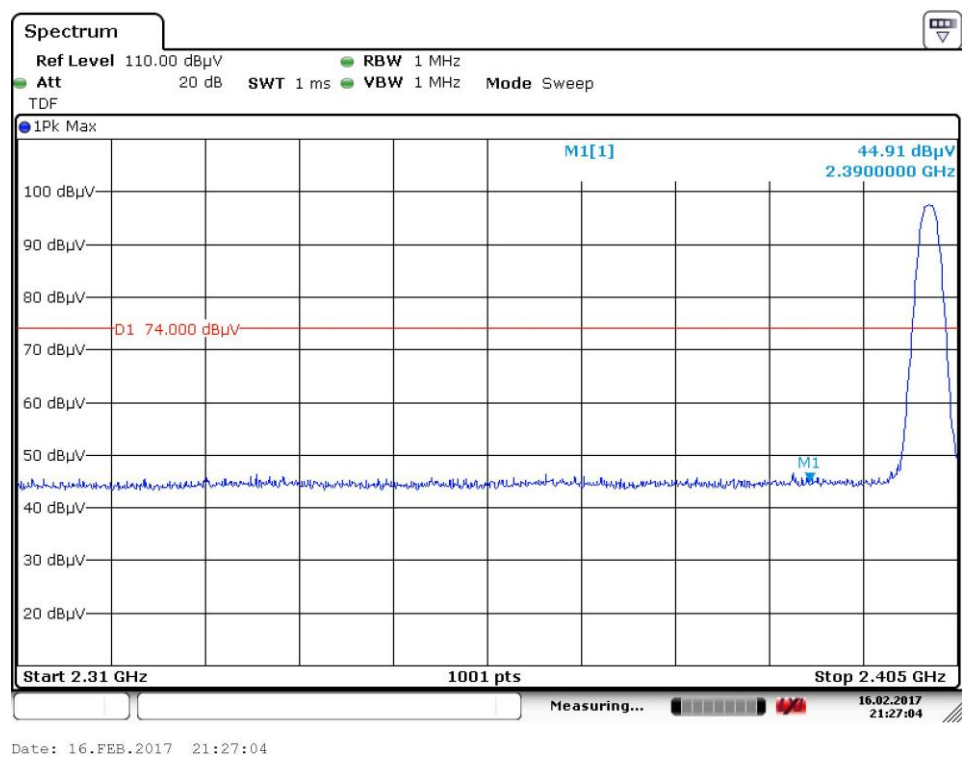
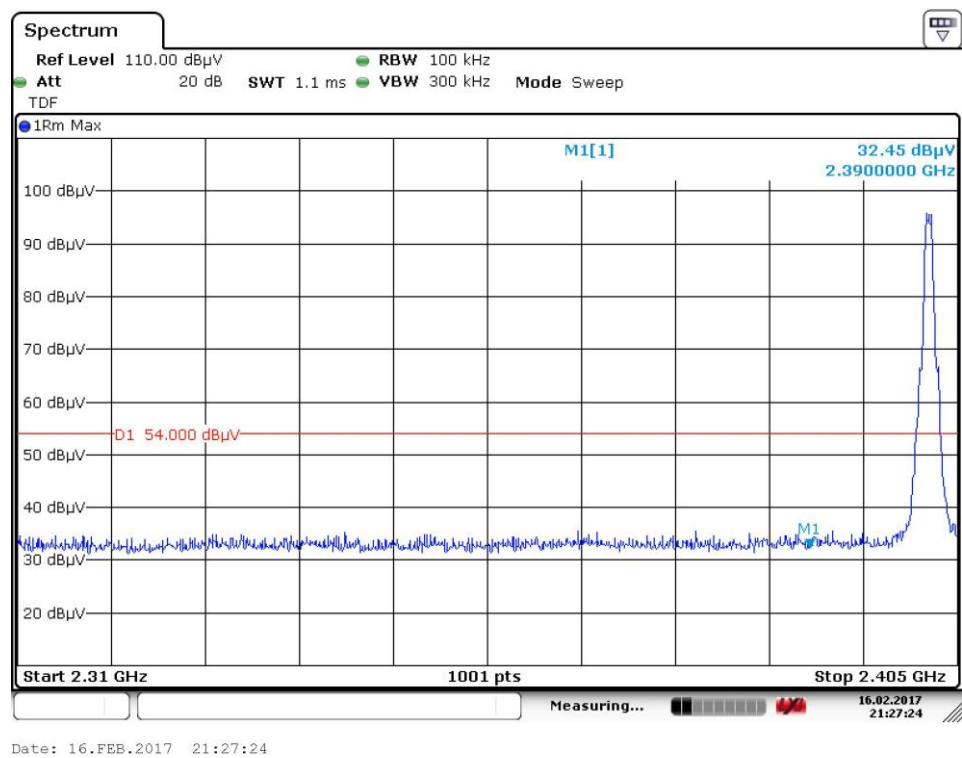
Spurious Emissions, Band Edges, 2.35-2.5G .....	2
Spurious Emissions, TX Mode, 1-18G.....	6
Spurious Emissions, TX Mode, 18-26G.....	12
Spurious Emissions, TX Mode, 30M-1G .....	18
Spurious Emissions, TX Mode, 9K-30M .....	20
Spurious Emissions, RX Mode, 1-18G .....	22
Spurious Emissions, RX Mode, 18-26G .....	24
Spurious Emissions, RX Mode, 30M-1G.....	26
Spurious Emissions, RX Mode, 9K-30M.....	27
Spurious Emissions, Mains, 150kHz - 30MHz .....	29

# Radiated Bandedge (GFSK)

## Low Channel (Hor)

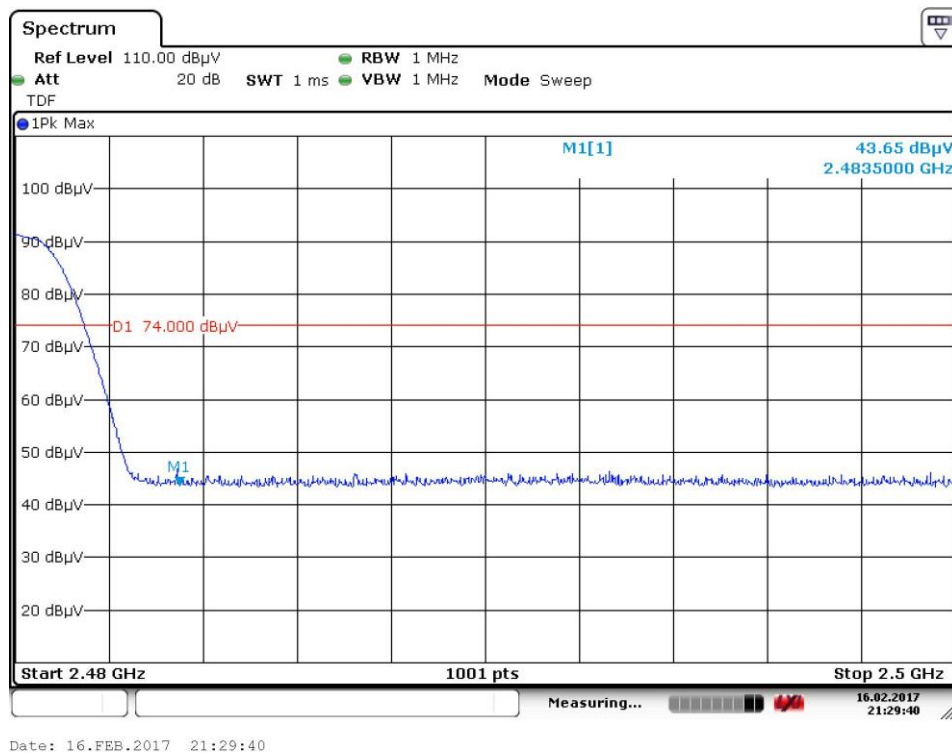
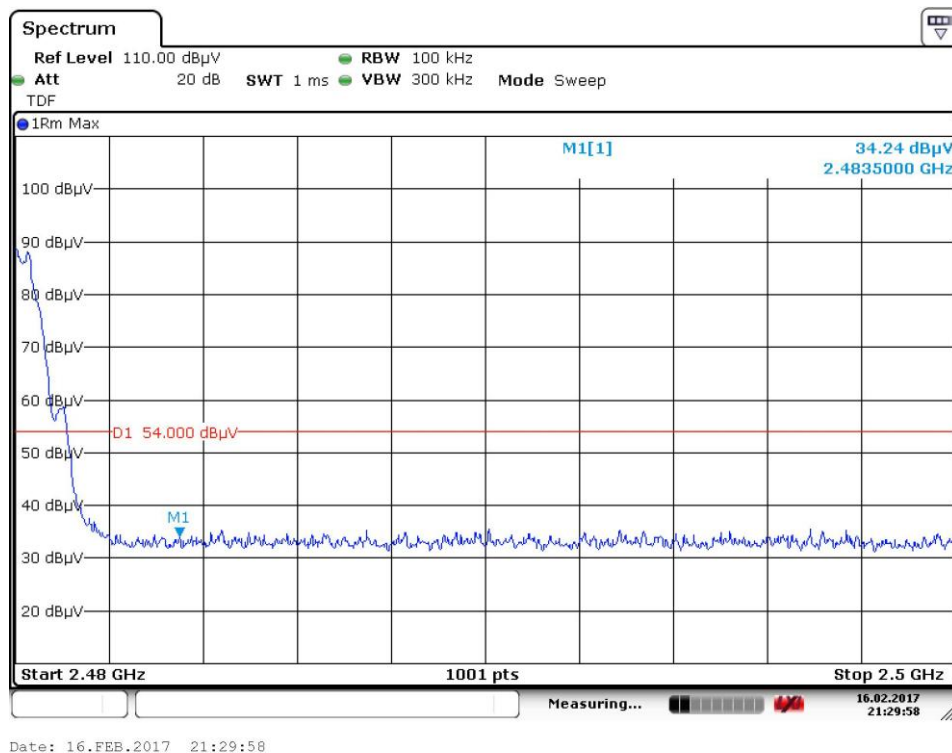


Low Channel (Ver)

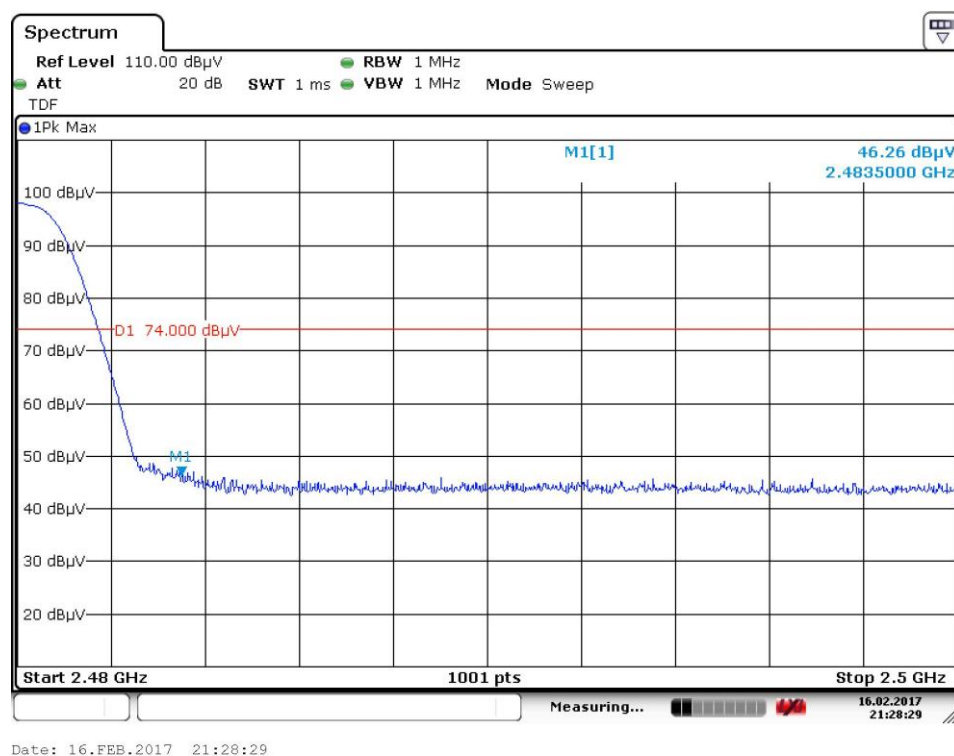
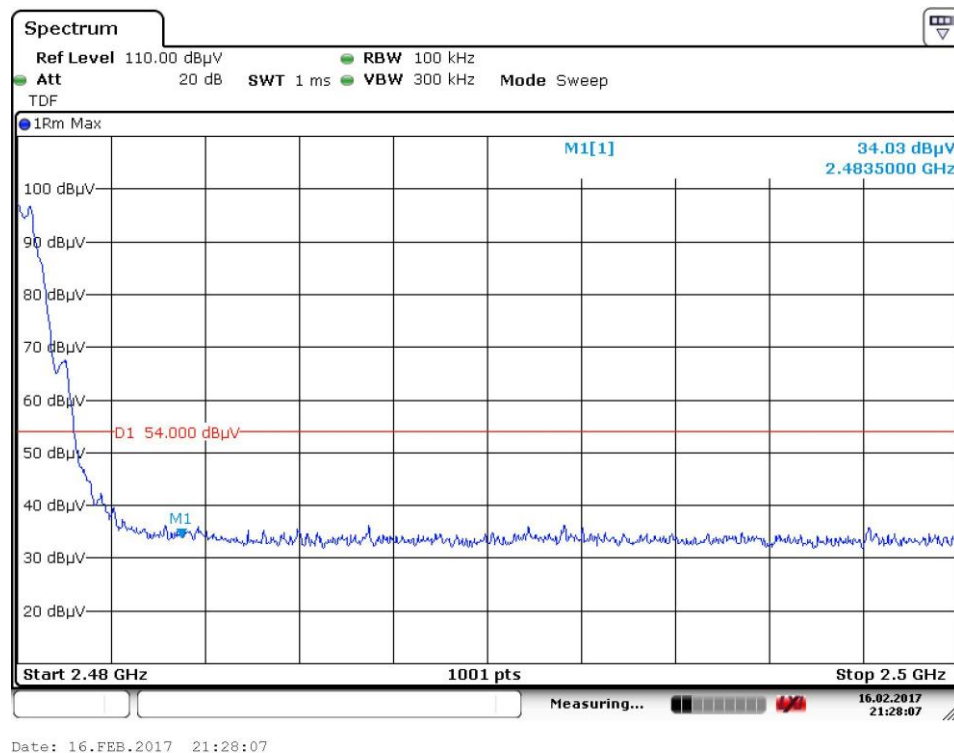


# Radiated Bandedge (GFSK)

## High Channel (Hor)



## High Channel (Ver)



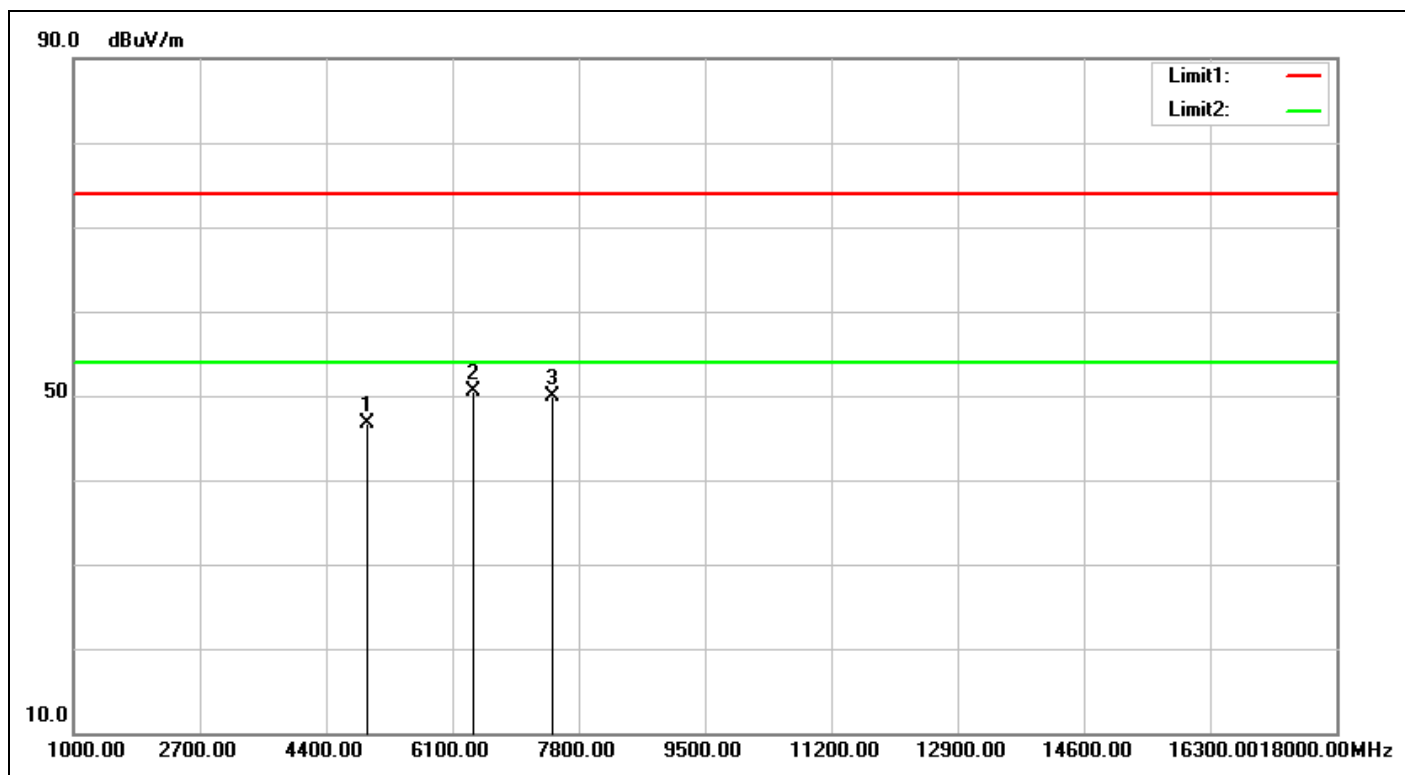
## Spurious Emissions, TX Mode, 1-18G



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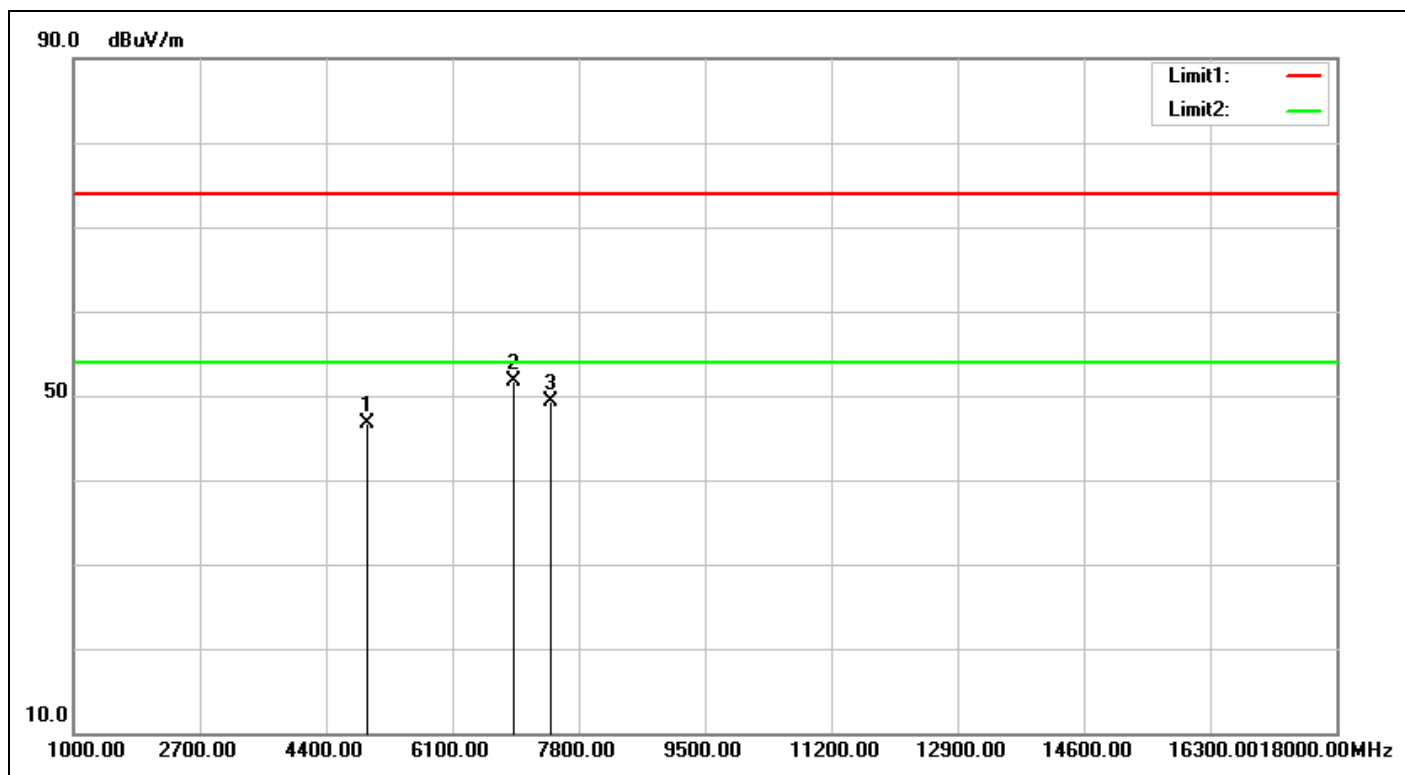
11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

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



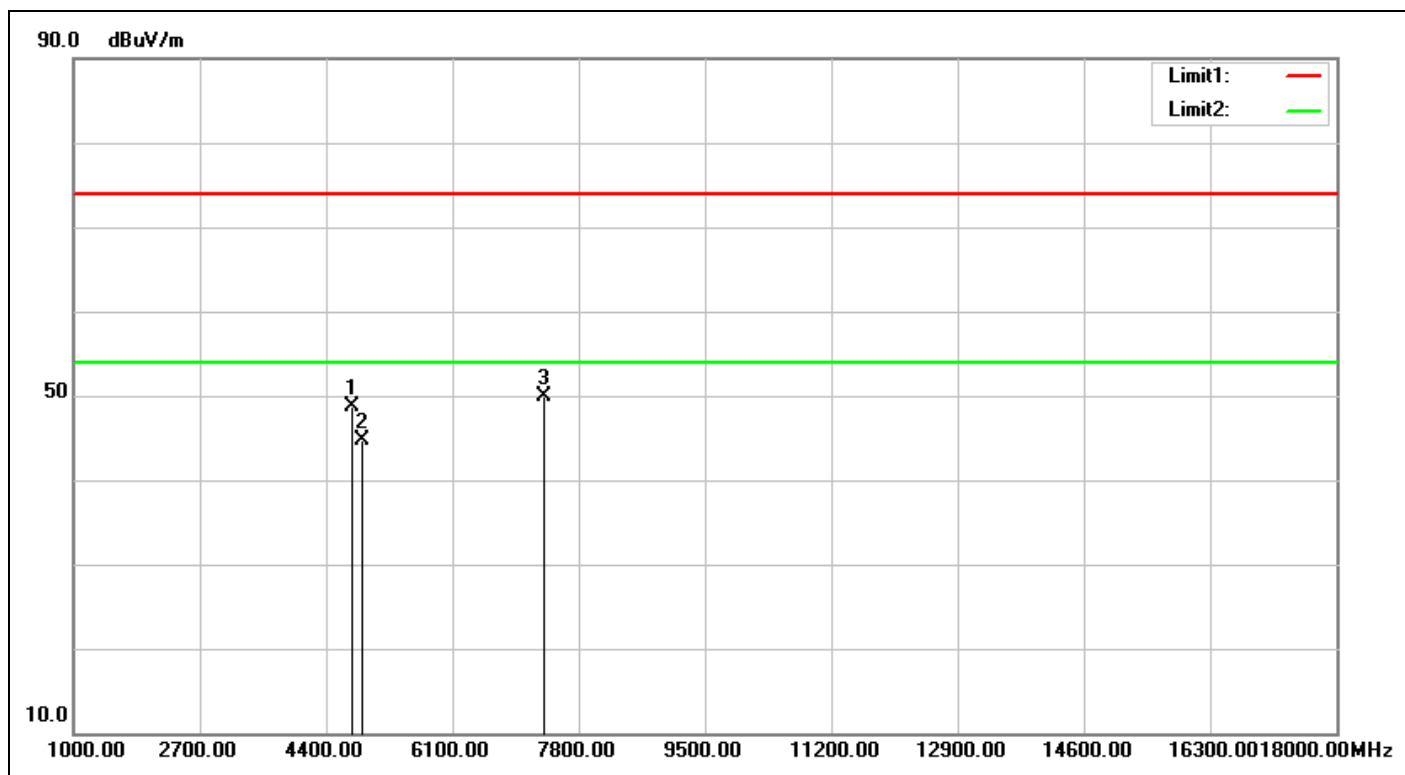
<b>Service No.:</b>	<b>114058593(MH1-AAA)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 21:30:47</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2480-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	4960.000	-2.31	48.99	46.68	74.00	-27.32	peak		0	
2	6389.000	5.18	45.23	50.41	74.00	-23.59	peak		0	
3	7440.000	6.28	43.53	49.81	74.00	-24.19	peak		0	



<b>Service No.:</b>	<b>114058593(MH1-AAA)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 21:31:50</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%)</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2480-TX</b>		
<b>Remark:</b>			

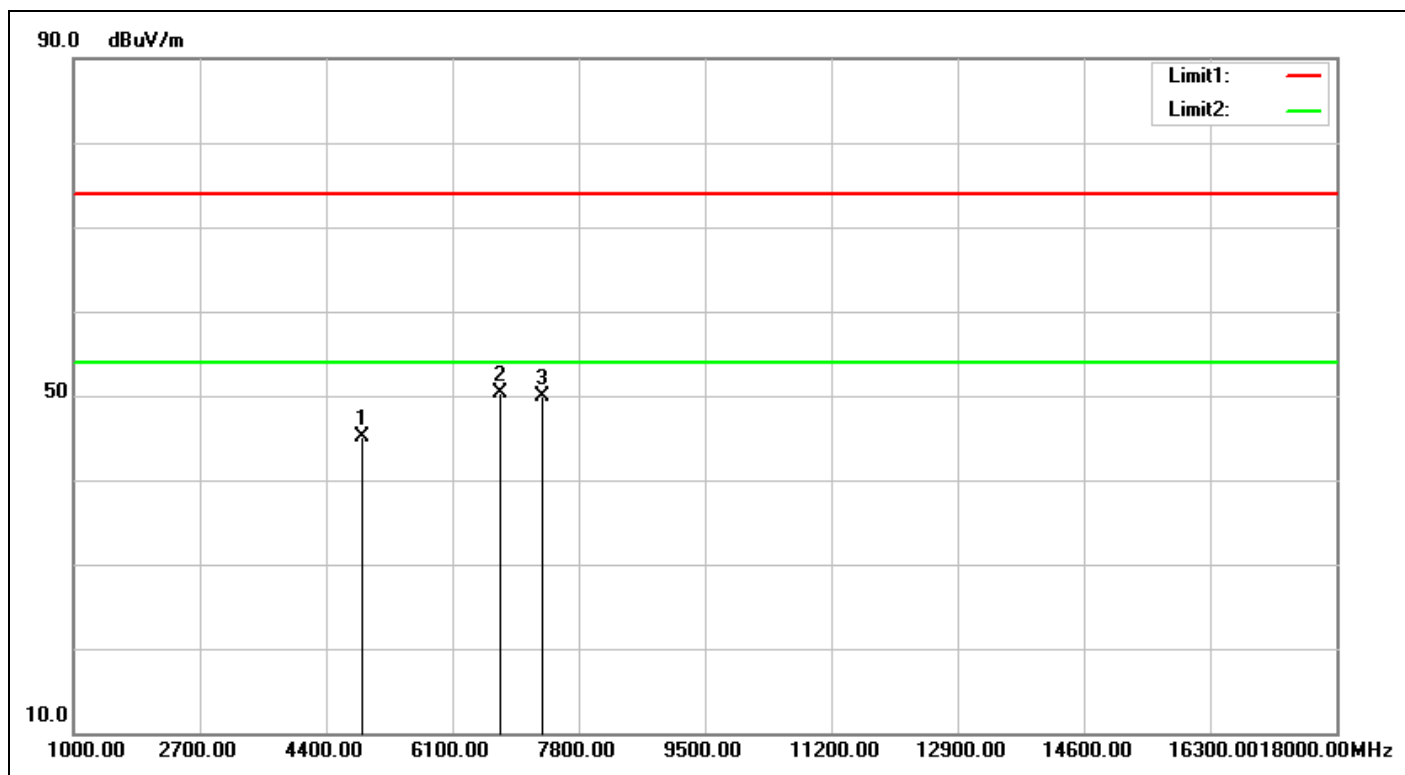
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	4960.000	-2.31	48.98	46.67	74.00	-27.33	peak			
2	6916.000	5.07	46.56	51.63	74.00	-22.37	peak	100	39	
3	7440.000	6.28	42.96	49.24	74.00	-24.76	peak			



<b>Service No.:</b>	<b>114058593(MH1-AAA)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 21:34:28</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2440-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	4757.000	-2.76	51.56	48.80	74.00	-25.20	peak	100	17	
2	4880.000	-2.48	47.24	44.76	74.00	-29.24	peak			
3	7320.000	5.93	44.03	49.96	74.00	-24.04	peak			

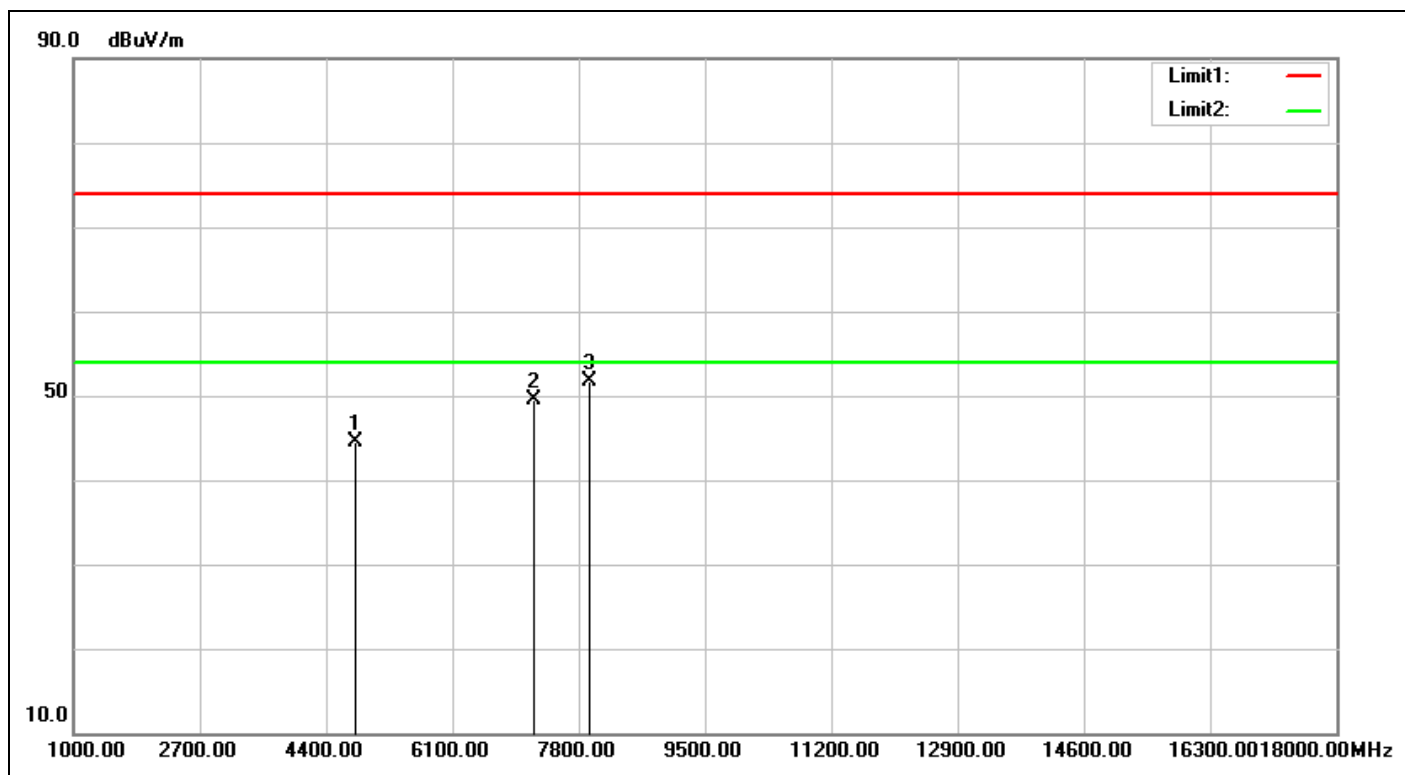




**Service No.:** 114058593(MH1-AAA)-LE  
**Test Standard:** FCC Above 1G PEAK  
**Test item:** Radiation Emission  
**Applicant:** Molekule  
**Product:** Molekule Home One Air Purifier  
**Model No.:** MH1-AAA  
**Test Mode:** 2440-TX  
**Remark:**

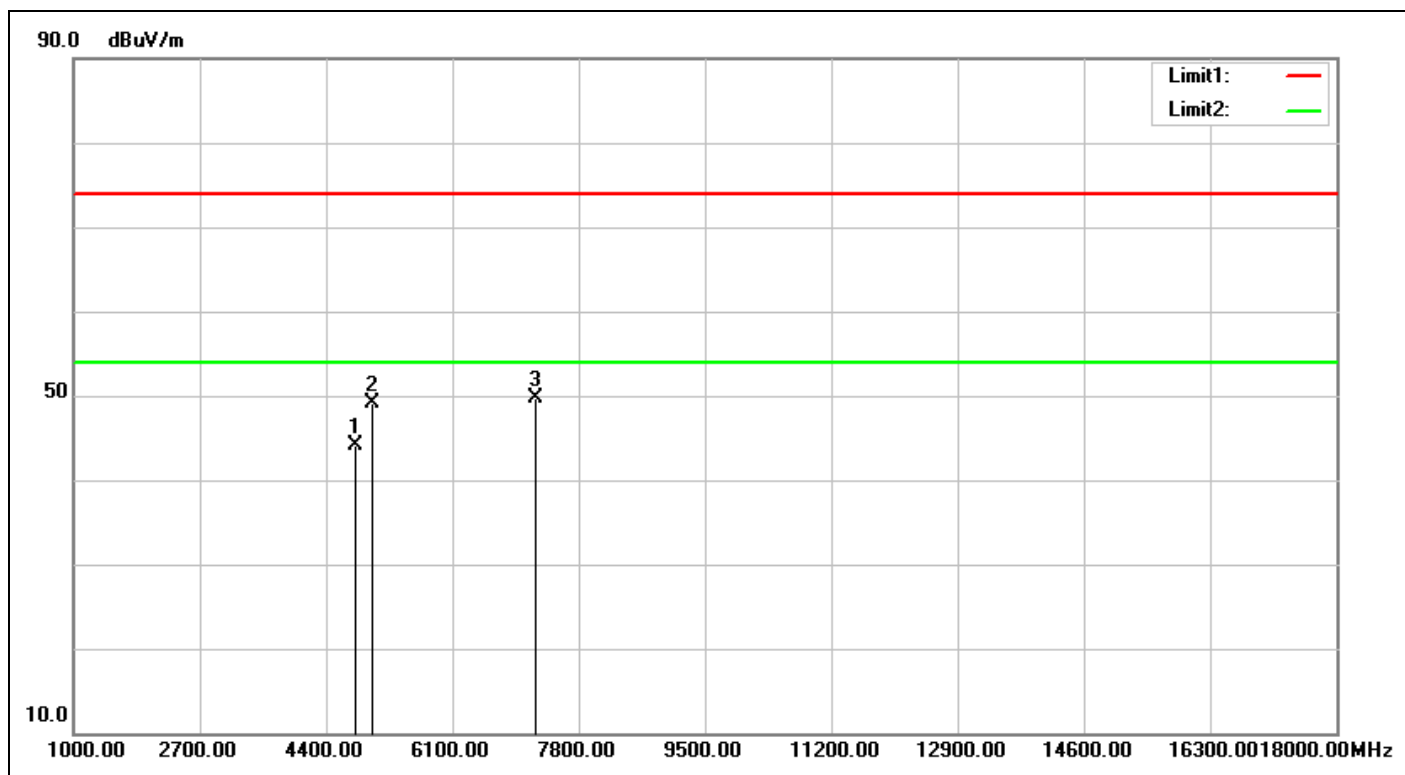
**Test Distance:** 3m  
**Ant. Polarization:** Vertical  
**Test Time:** 2017/2/16 21:35:31  
**Test Rating:** AC 120V/60Hz  
**Temp.(°C)/Hum.(%):** 20.6(°C)/52%  
**Test Engineer:** George Yang

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	4880.000	-2.48	47.58	45.10	74.00	-28.90	peak			
2	6746.000	5.26	44.99	50.25	74.00	-23.75	peak	100	270	
3	7320.000	5.93	43.93	49.86	74.00	-24.14	peak			



<b>Service No.:</b>	<b>114058593(MH1-AAA)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 21:37:13</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%)</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2402-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	4804.000	-2.66	47.10	44.44	74.00	-29.56	peak			
2	7206.000	5.58	43.83	49.41	74.00	-24.59	peak			
3	7953.000	6.39	45.22	51.61	74.00	-22.39	peak	100	286	



<b>Service No.:</b>	<b>114058593(MH1-AAA)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 21:38:15</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2402-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	4804.000	-2.66	46.69	44.03	74.00	-29.97	peak			
2	5029.000	-2.05	51.12	49.07	74.00	-24.93	peak	100	295	
3	7206.000	5.58	44.04	49.62	74.00	-24.38	peak			

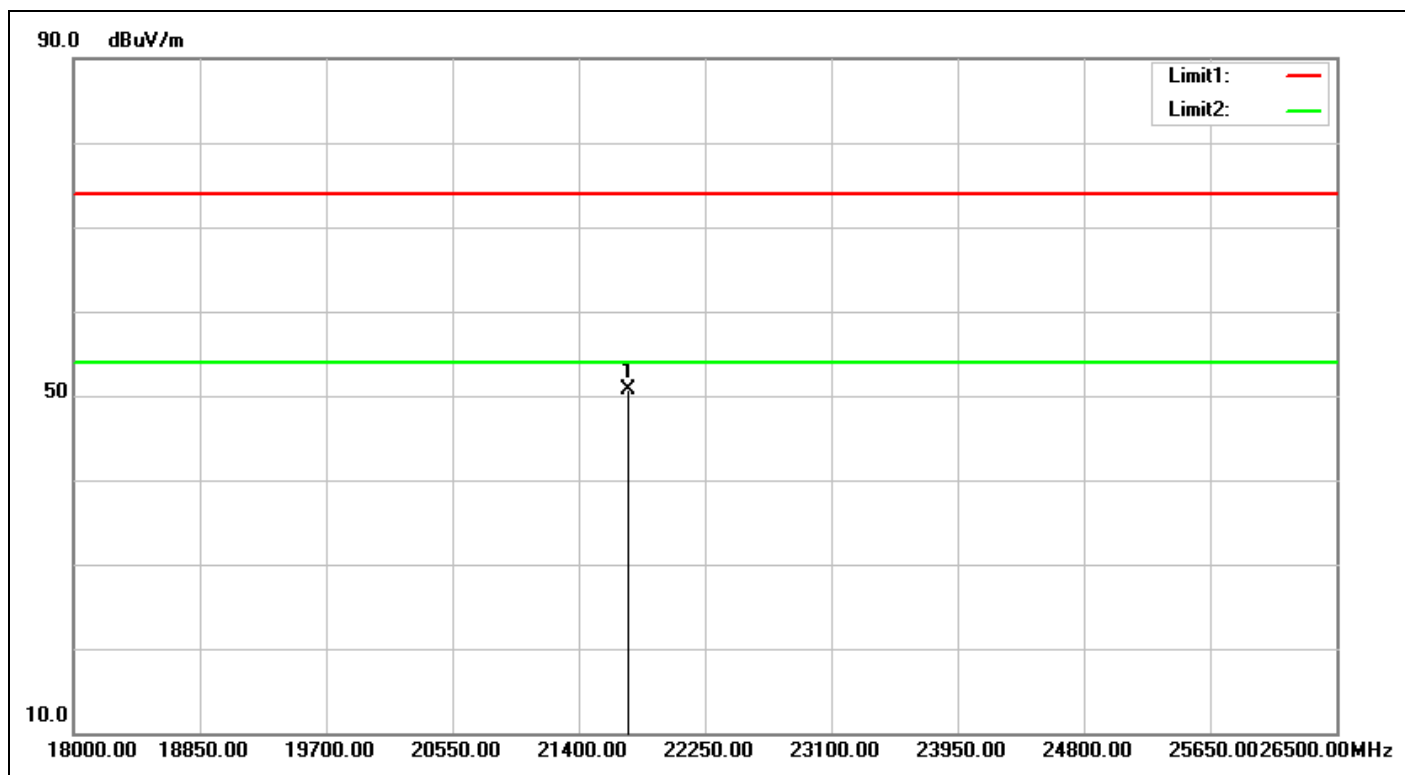
# Spurious Emissions, TX Mode, 18-26G



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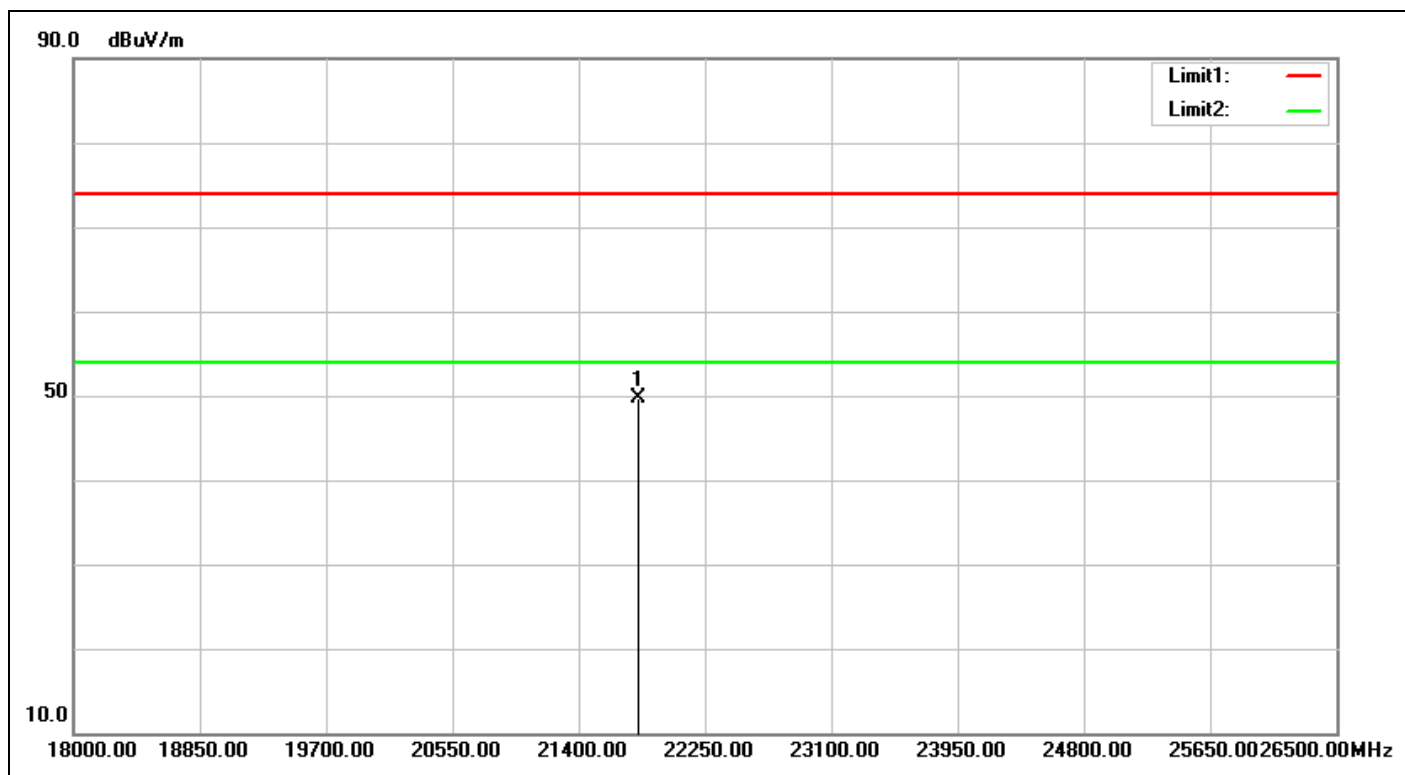
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114058593(MH1-AAA)-LE	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/2/16 22:46:41
Applicant:	Molekule	Test Rating:	AC 120V/60Hz
Product:	Molekule Home One Air Purifier	Temp.(°C)/Hum.(%)	20.6(°C)/52%
Model No.:	MH1-AAA	Test Engineer:	George Yang
Test Mode:	2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	21731.500	32.85	17.84	50.69	74.00	-23.31	peak		0	



**Service No.:** 114058593(MH1-AAA)-LE

**Test Standard:** FCC Above 1G PEAK

**Test item:** Radiation Emission

**Applicant:** Molekule

**Product:** Molekule Home One Air Purifier

**Model No.:** MH1-AAA

**Test Mode:** 2402-TX

**Remark:**

**Test Distance:** 3m

**Ant. Polarization:** Vertical

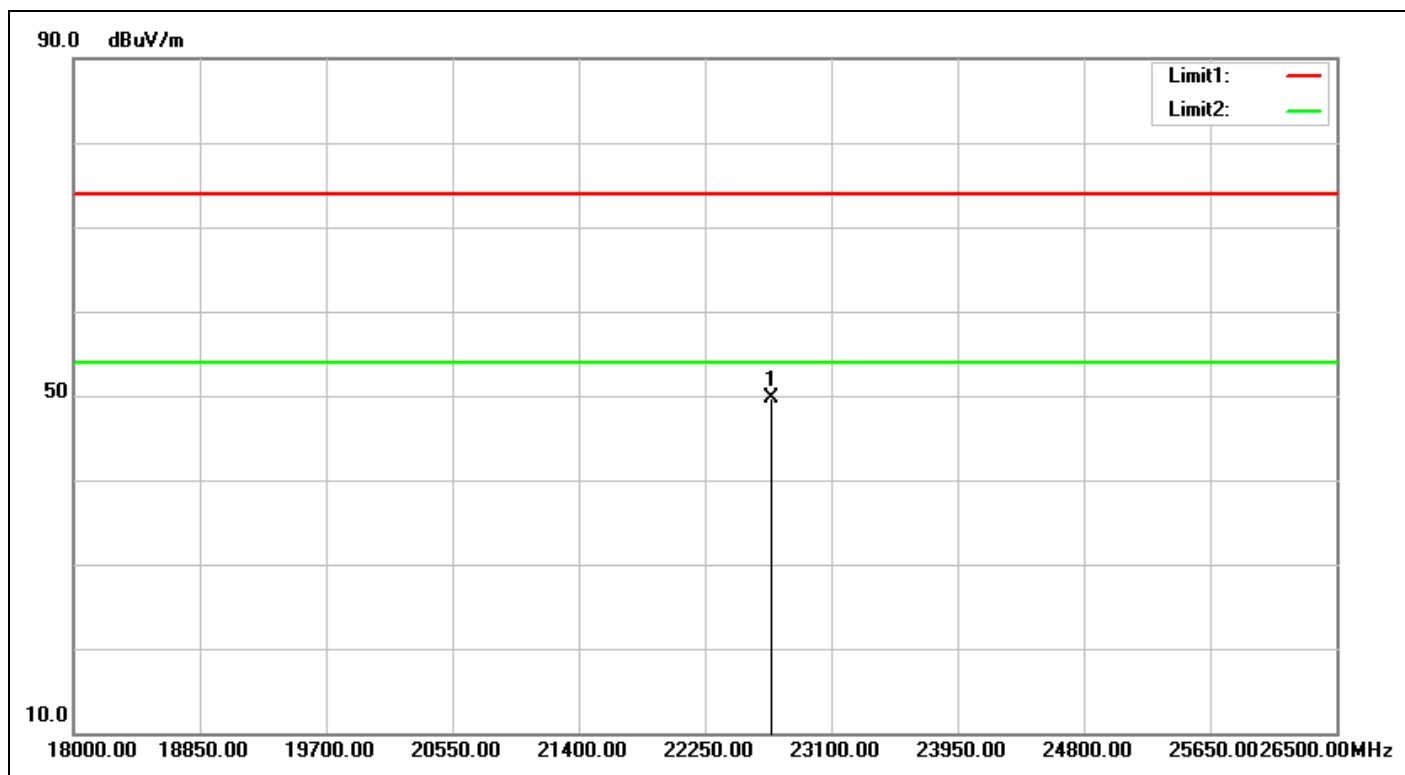
**Test Time:** 2017/2/16 22:46:49

**Test Rating:** AC 120V/60Hz

**Temp.(°C)/Hum.(%):** 20.6(°C)/52%

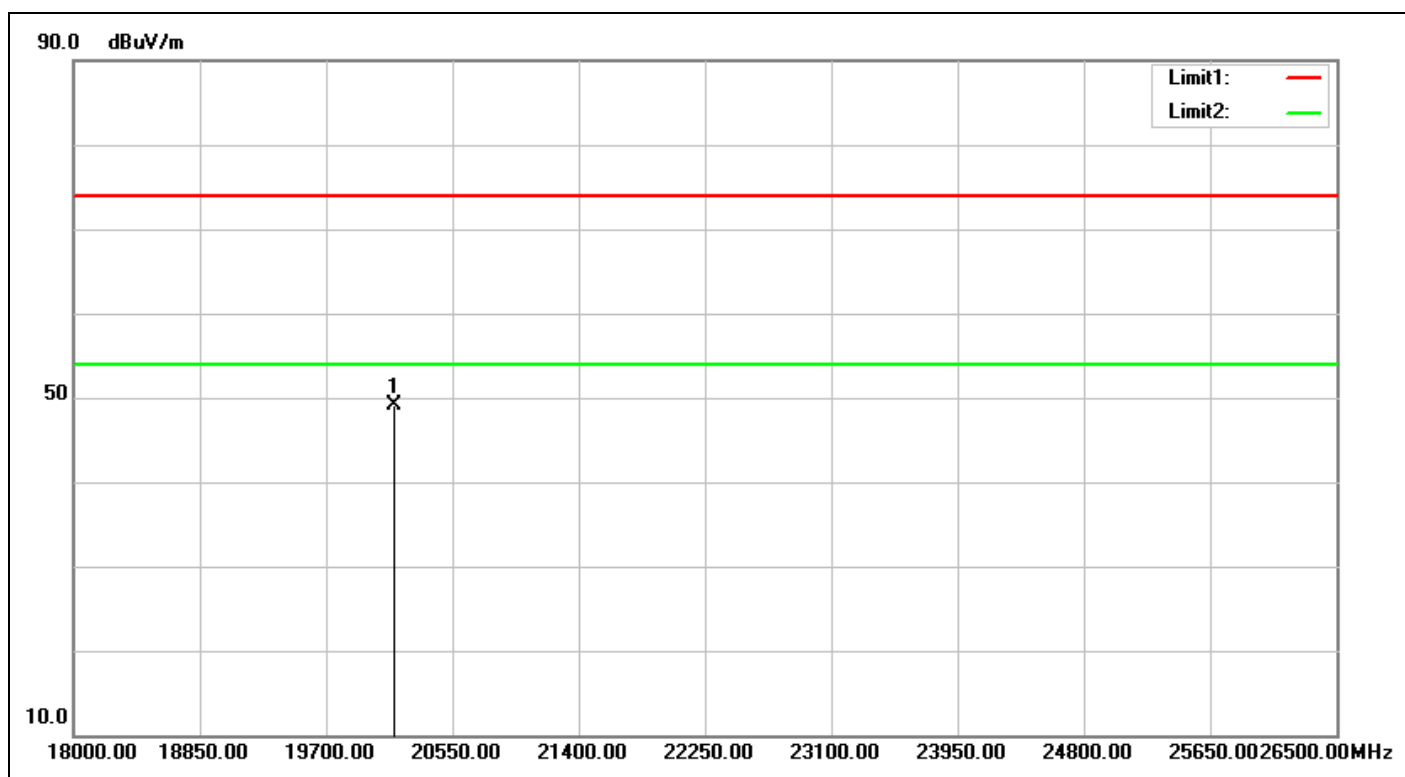
**Test Engineer:** George Yang

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	21799.500	32.92	16.77	49.69	74.00	-24.31	peak			



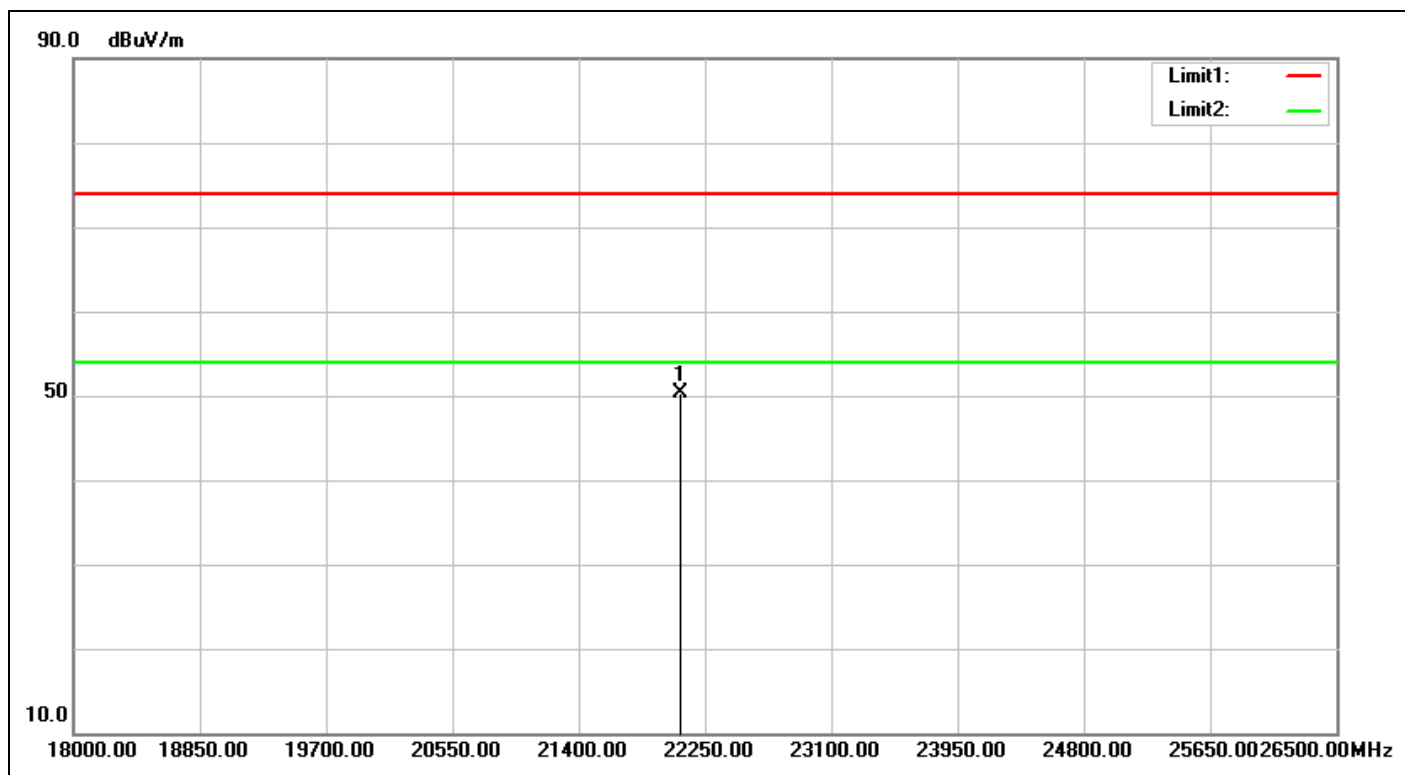
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<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 22:47:01</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2440-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	22700.500	32.73	17.01	49.74	74.00	-24.26	peak			



<b>Service No.:</b>	<b>114058593(MH1-AAA)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 22:47:07</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2440-TX</b>		
<b>Remark:</b>			

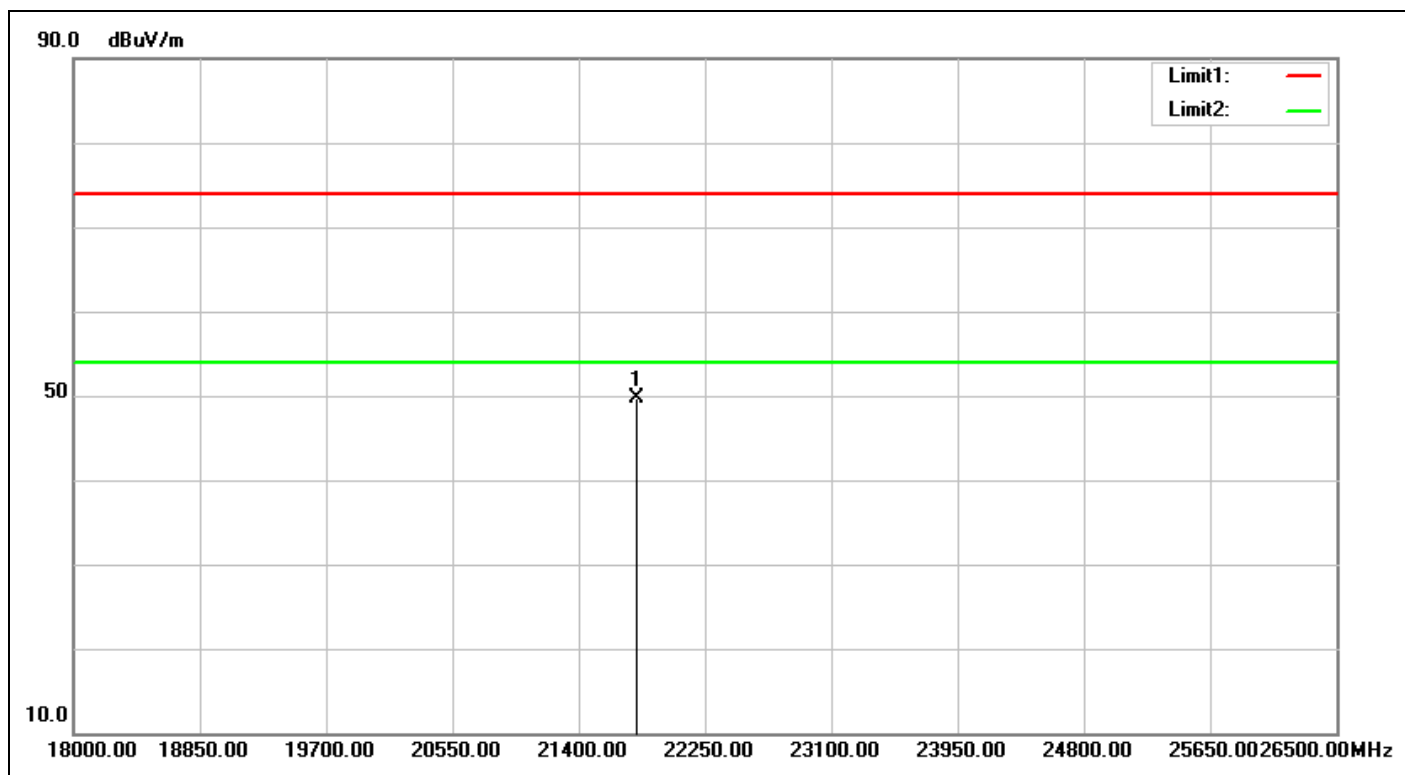
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	20159.000	31.55	17.48	49.03	74.00	-24.97	peak			



<b>Service No.:</b>	<b>114058593(MH1-AAA)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 22:47:20</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2480-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	22080.000	33.07	17.18	50.25	74.00	-23.75	peak		0	





<b>Service No.:</b>	<b>114058593(MH1-AAA)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 22:47:28</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2480-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	21791.000	32.92	16.78	49.70	74.00	-24.30	peak			

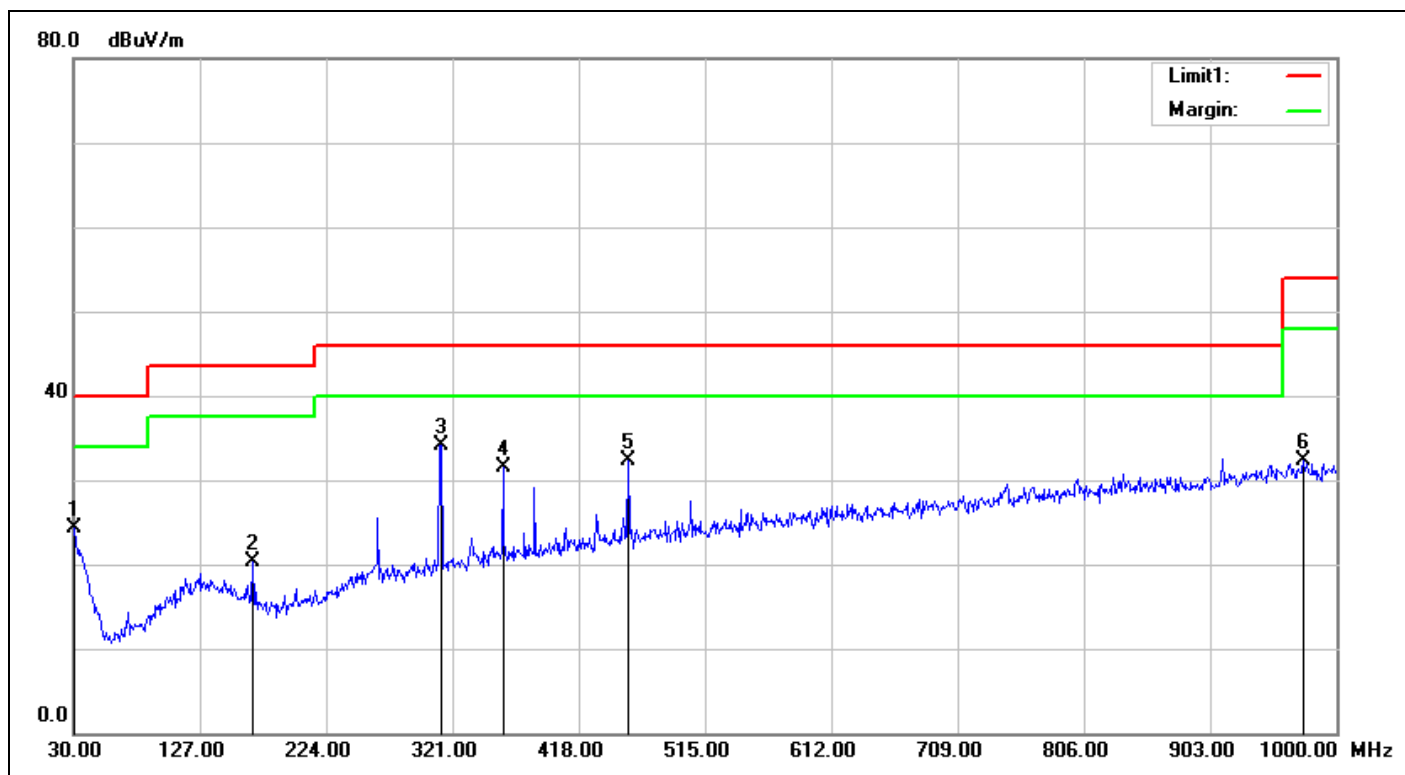
# Spurious Emissions, TX Mode, 30M-1G



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

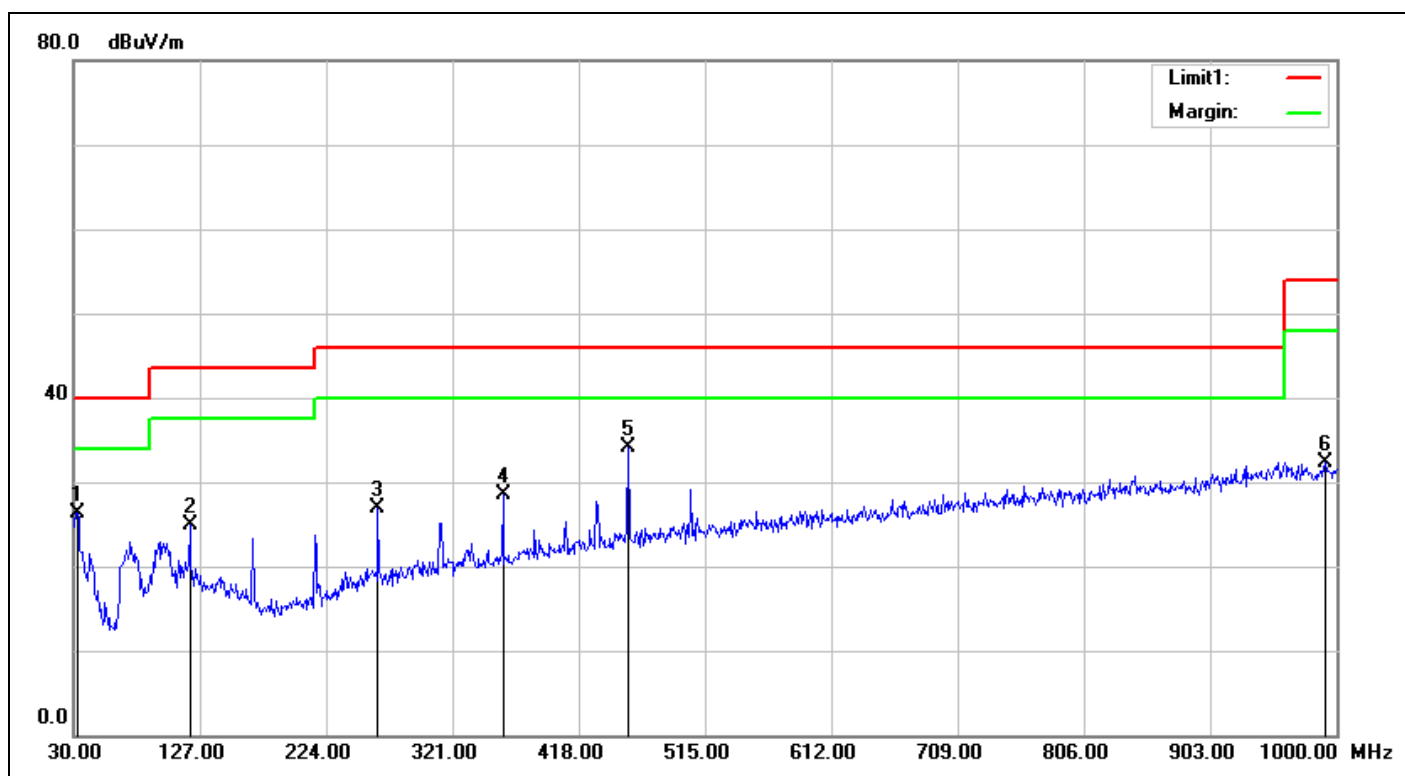
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.: 114058593(MH1-AAA)-LE  
 Test Standard: FCC Class B 3M Radiation  
 Test item: Radiation Emission  
 Applicant: Molekule  
 Product: Molekule Home One Air Purifier  
 Model No.: MH1-AAA  
 Test Mode: 2440-TX  
 Remark:

Test Distance: 3m  
 Ant. Polarization: Horizontal  
 Test Time: 2017/2/16 23:07:40  
 Test Rating: AC 120V/60Hz  
 Temp.(°C)/Hum.(%): 20.6(°C)/52%  
 Test Engineer: George Yang

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	30.9700	-0.62	24.90	24.28	40.00	-15.72	QP	100	180	
2	167.7400	-8.76	29.09	20.33	43.50	-23.17	QP	100	269	
3	312.2700	-4.23	38.40	34.17	46.00	-11.83	QP	100	250	
4	359.8000	-3.30	34.75	31.45	46.00	-14.55	QP	100	87	
5	455.8300	-1.94	34.29	32.35	46.00	-13.65	QP	100	67	
6	974.7800	5.60	26.68	32.28	54.00	-21.72	QP	100	269	



Service No.: 114058593(MH1-AAA)-LE  
 Test Standard: FCC Class B 3M Radiation  
 Test item: Radiation Emission  
 Applicant: Molekule  
 Product: Molekule Home One Air Purifier  
 Model No.: MH1-AAA  
 Test Mode: 2440-TX  
 Remark:

Test Distance: 3m  
 Ant. Polarization: Vertical  
 Test Time: 2017/2/16 23:08:43  
 Test Rating: AC 120V/60Hz  
 Temp.(°C)/Hum.(%): 20.6(°C)/52%  
 Test Engineer: George Yang

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	32.9100	-1.74	28.10	26.36	40.00	-13.64	QP	100	40	
2	119.2400	-7.40	32.33	24.93	43.50	-18.57	QP	100	182	
3	263.7700	-5.05	31.94	26.89	46.00	-19.11	QP	100	357	
4	359.8000	-3.30	31.83	28.53	46.00	-17.47	QP	100	265	
5	455.8300	-1.94	36.13	34.19	46.00	-11.81	QP	100	174	
6	991.2700	5.75	26.56	32.31	54.00	-21.69	QP	100	83	

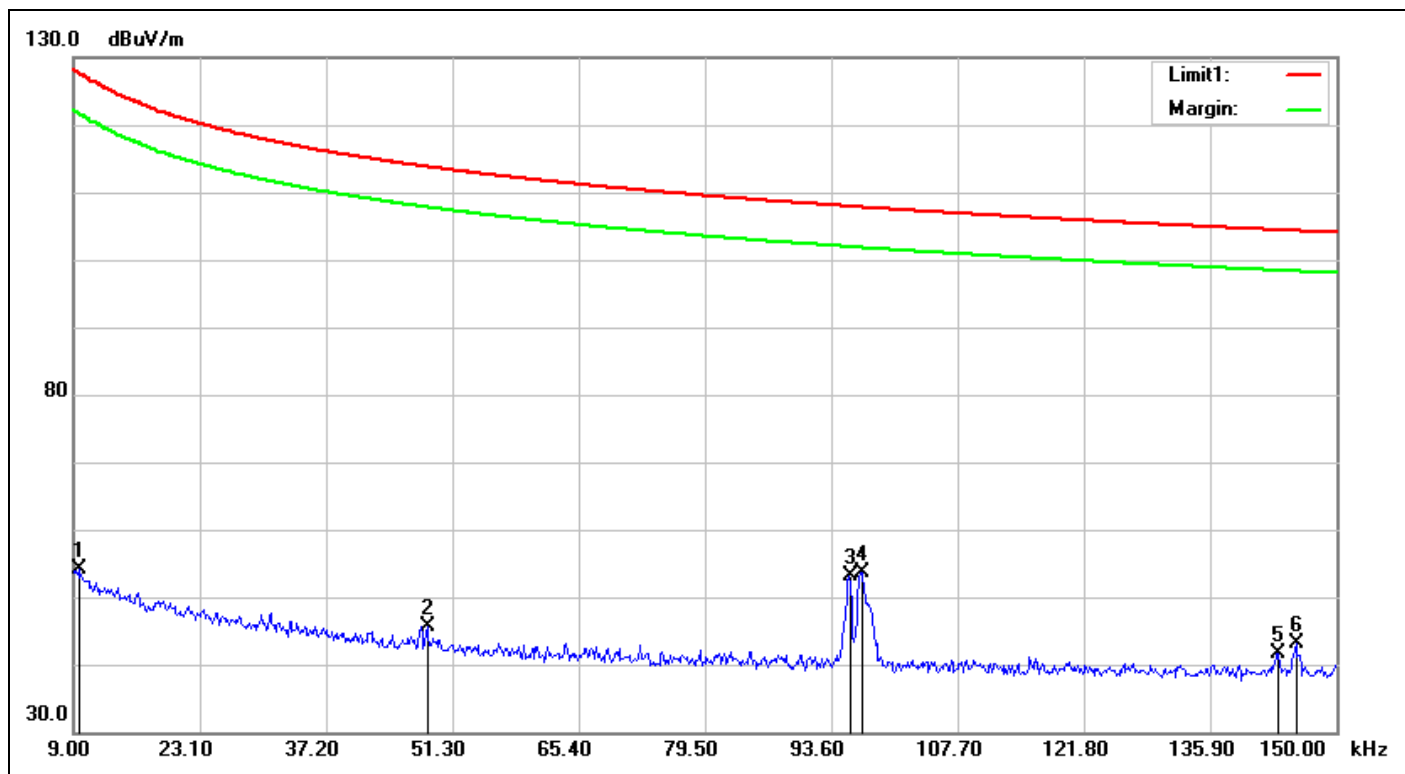
# Spurious Emissions, TX Mode, 9K-30M



TUV Taiwan

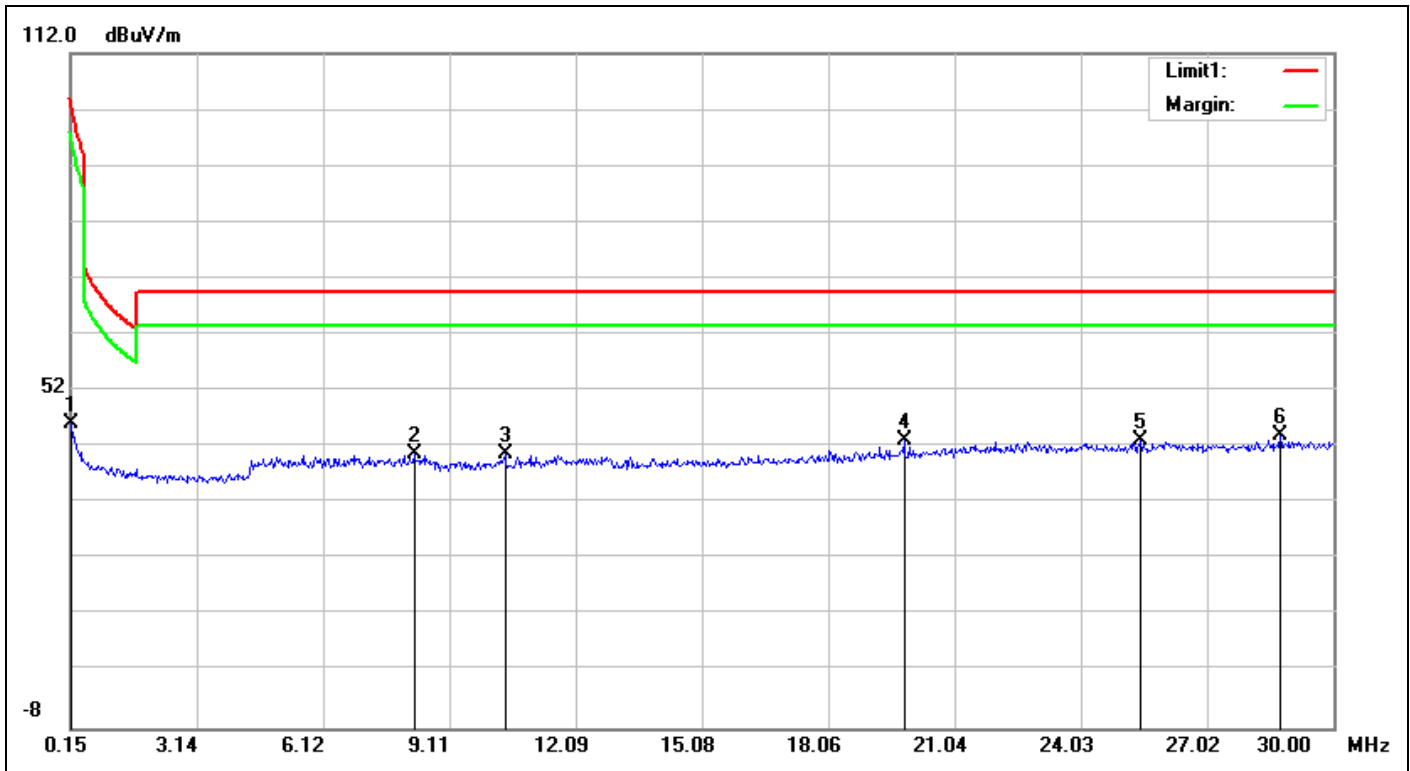
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114058593(TBD)-LE	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/3/6 21:00:29
Applicant:	Molekule	Test Rating:	AC 120V/60Hz
Product:	Molekule Home One Air Purifier	Temp.(°C)/Hum.(%)	21.2(°C)/64%
Model No.:	MH1-AAA	Test Engineer:	George Yang
Test Mode:	2440-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	20.06	34.04	54.10	127.75	-73.65	QP	100	219	
2	0.0485	19.29	26.35	45.64	113.76	-68.12	QP	100	312	
3	0.0956	18.88	34.20	53.08	107.91	-54.83	QP	100	259	
4	0.0970	18.86	34.82	53.68	107.78	-54.10	QP	100	39	
5	0.1435	18.81	22.83	41.64	104.40	-62.76	QP	100	1	
6	0.1455	18.80	24.23	43.03	104.28	-61.25	QP	100	360	



<b>Service No.:</b>	<b>114058593(TBD)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC15.209_9k-1G_3m</b>	<b>Ant. Polarization:</b>	
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/3/6 21:06:35</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>21.2(°C)/64%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2440-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	18.77	27.26	46.03	102.47	-56.44	QP	100	74	
2	8.2692	20.11	20.58	40.69	69.50	-28.81	QP	100	3	
3	10.4184	20.44	20.26	40.70	69.50	-28.80	QP	100	93	
4	19.8510	21.53	21.62	43.15	69.50	-26.35	QP	100	306	
5	25.4330	21.95	21.09	43.04	69.50	-26.46	QP	100	359	
6	28.7463	22.18	22.00	44.18	69.50	-25.32	QP	100	26	

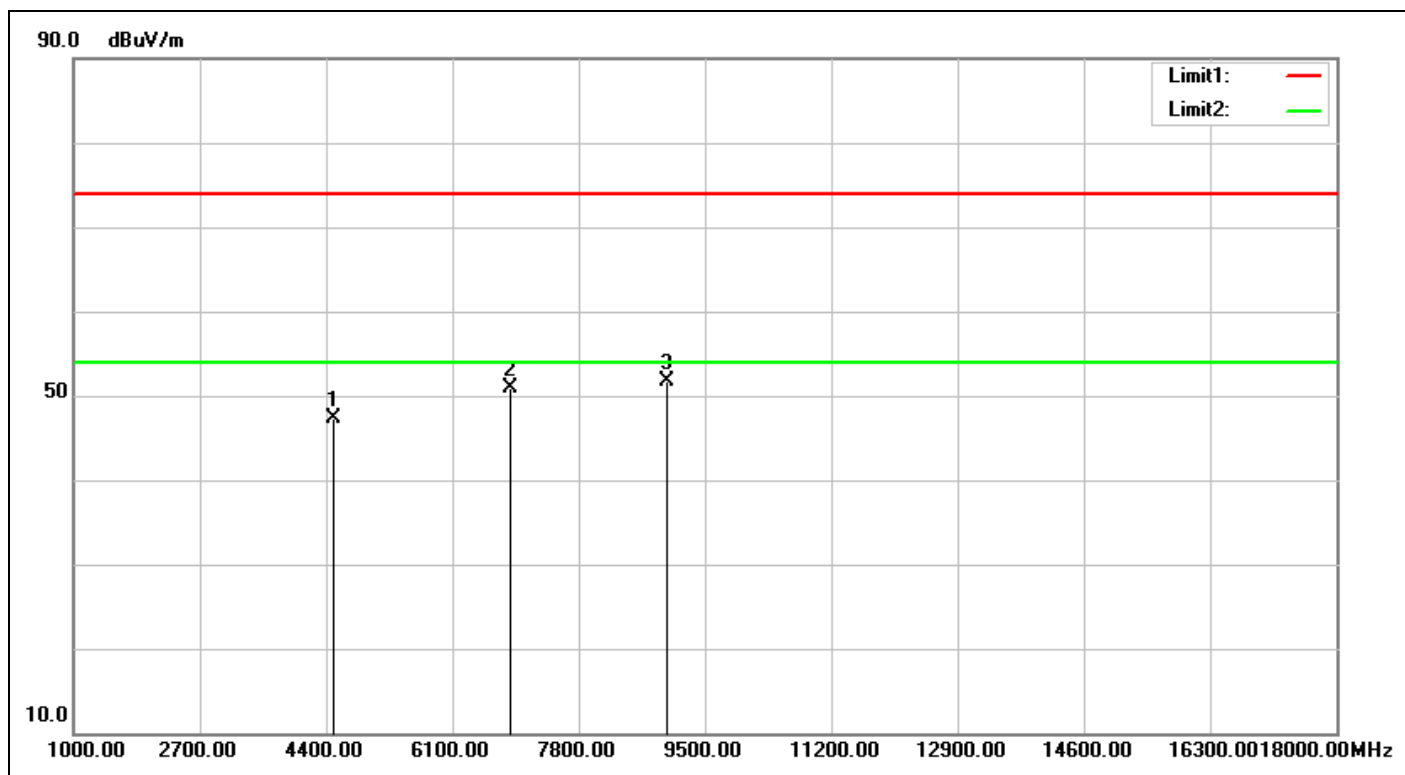
# Spurious Emissions, RX Mode, 1-18G



**TUV Taiwan**

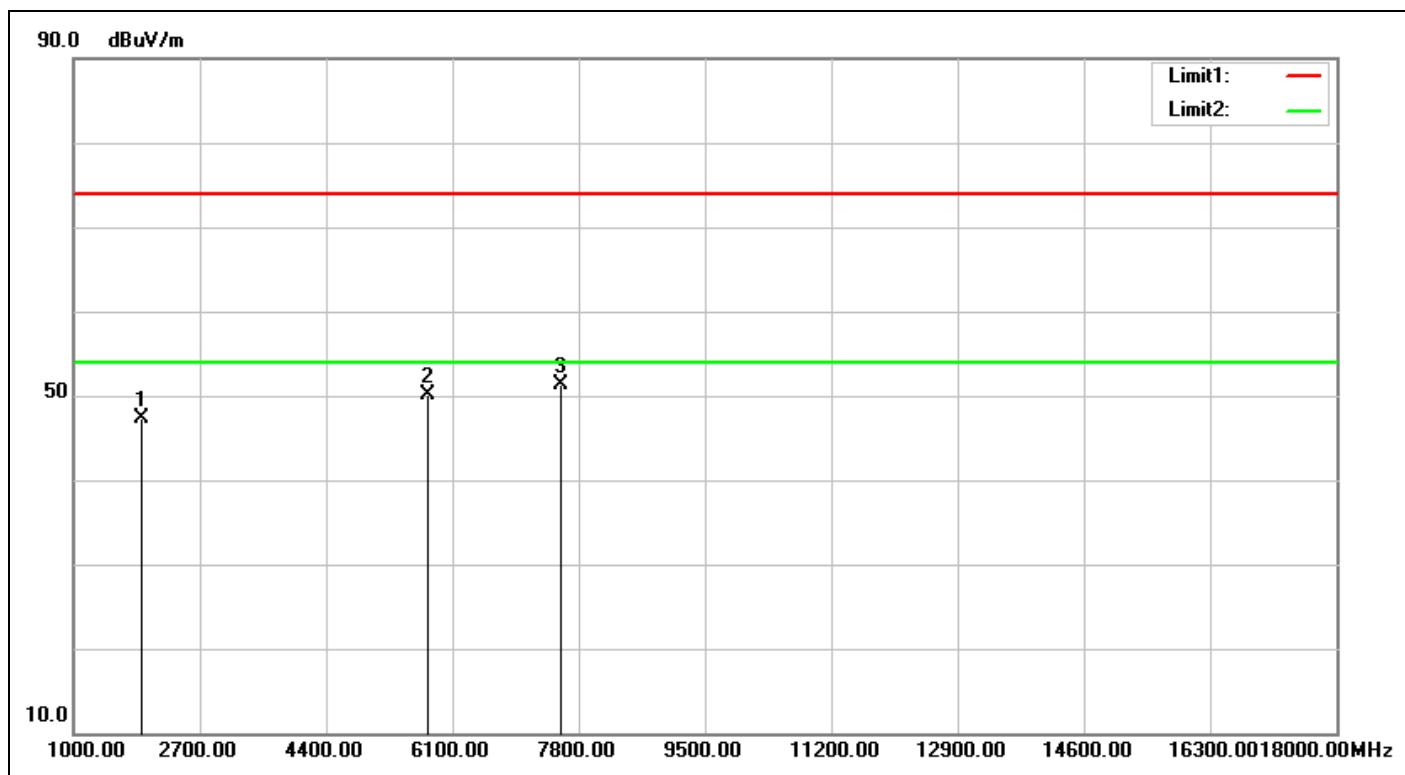
**11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105**

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



<b>Service No.:</b>	<b>114058593(MH1-AAA)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 21:41:32</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2440-RX</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	4502.000	-3.34	50.58	47.24	74.00	-26.76	peak	100	349	
2	6882.000	5.11	45.89	51.00	74.00	-23.00	peak			
3	8990.000	6.90	44.80	51.70	74.00	-22.30	peak	100	216	



<b>Service No.:</b>	<b>114058593(MH1-AAA)-LE</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/2/16 21:42:35</b>
<b>Applicant:</b>	<b>Molekule</b>	<b>Test Rating:</b>	<b>AC 120V/60Hz</b>
<b>Product:</b>	<b>Molekule Home One Air Purifier</b>	<b>Temp.(°C)/Hum.(%)</b>	<b>20.6(°C)/52%</b>
<b>Model No.:</b>	<b>MH1-AAA</b>	<b>Test Engineer:</b>	<b>George Yang</b>
<b>Test Mode:</b>	<b>2440-RX</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	1918.000	-7.67	55.01	47.34	74.00	-26.66	peak	100	108	
2	5777.000	2.36	47.76	50.12	74.00	-23.88	peak	100	12	
3	7562.000	6.45	44.78	51.23	74.00	-22.77	peak	100	171	

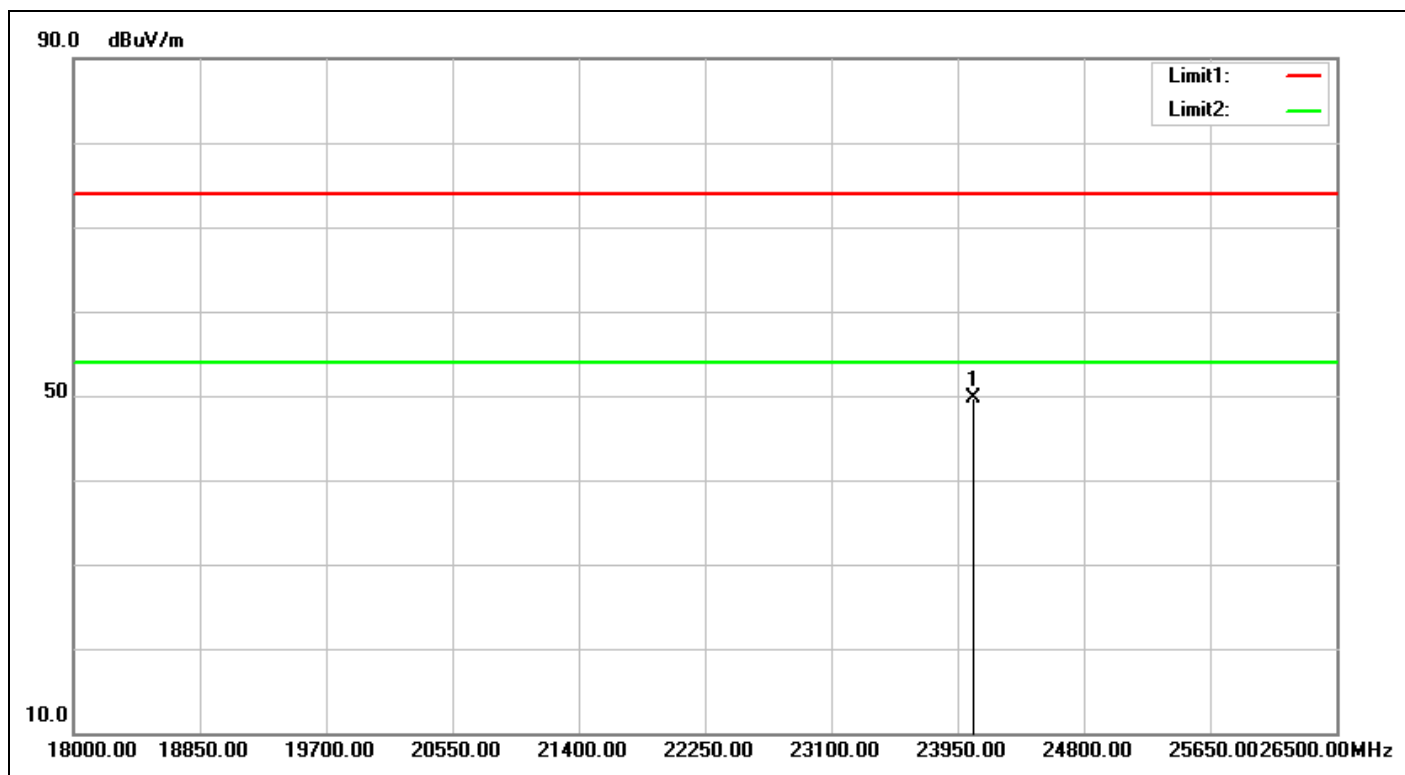
# Spurious Emissions, RX Mode, 18-26G



**TUV Taiwan**

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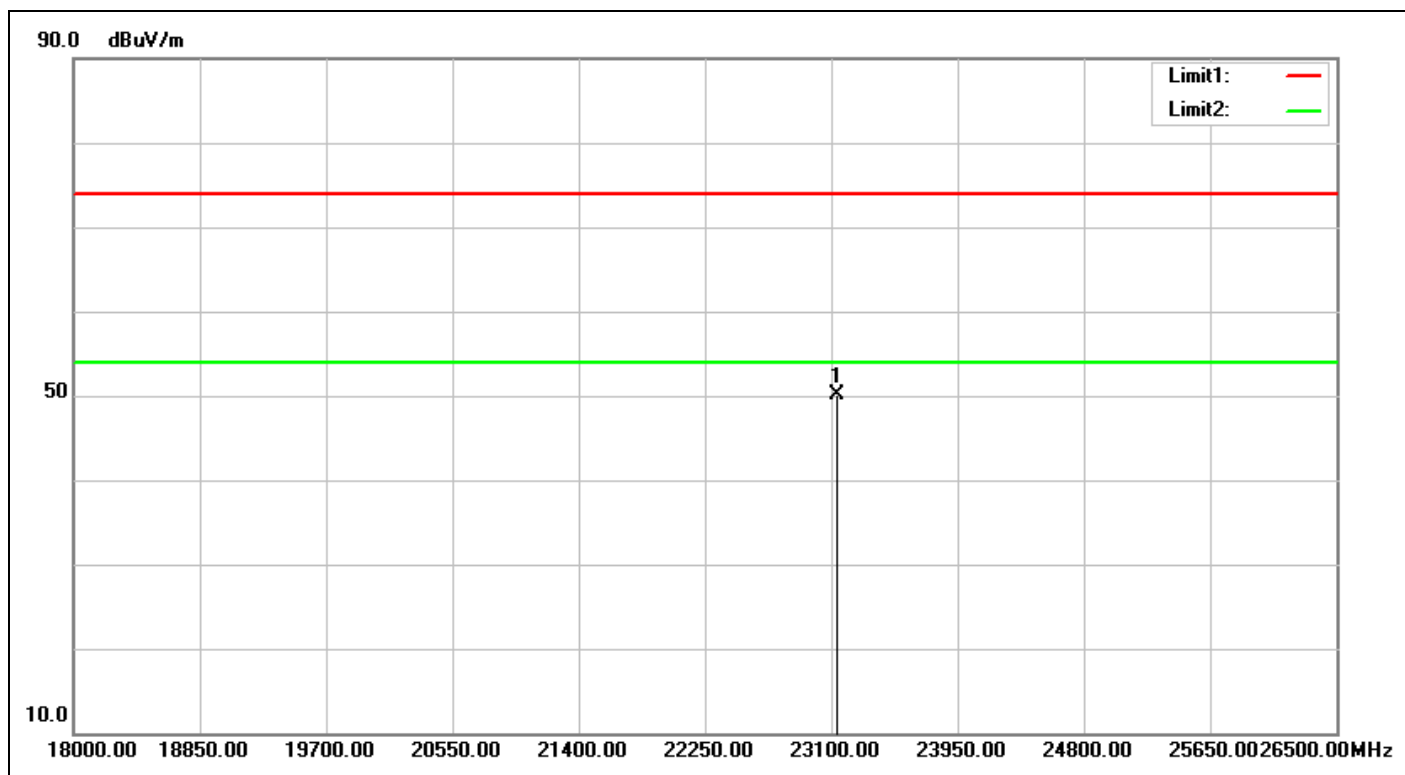
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114058593(MH1-AAA)-LE	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/2/16 22:47:42
Applicant:	Molekule	Test Rating:	AC 120V/60Hz
Product:	Molekule Home One Air Purifier	Temp.(°C)/Hum.(%)	20.6(°C)/52%
Model No.:	MH1-AAA	Test Engineer:	George Yang
Test Mode:	2440-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	24060.500	32.00	17.69	49.69	74.00	-24.31	peak			





**Service No.:** 114058593(MH1-AAA)-LE

**Test Standard:** FCC Above 1G PEAK

**Test item:** Radiation Emission

**Applicant:** Molekule

**Product:** Molekule Home One Air Purifier

**Model No.:** MH1-AAA

**Test Mode:** 2440-RX

**Remark:**

**Test Distance:** 3m

**Ant. Polarization:** Vertical

**Test Time:** 2017/2/16 22:47:50

**Test Rating:** AC 120V/60Hz

**Temp.(°C)/Hum.(%):** 20.6(°C)/52%

**Test Engineer:** George Yang

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	23134.000	32.59	17.57	50.16	74.00	-23.84	peak			

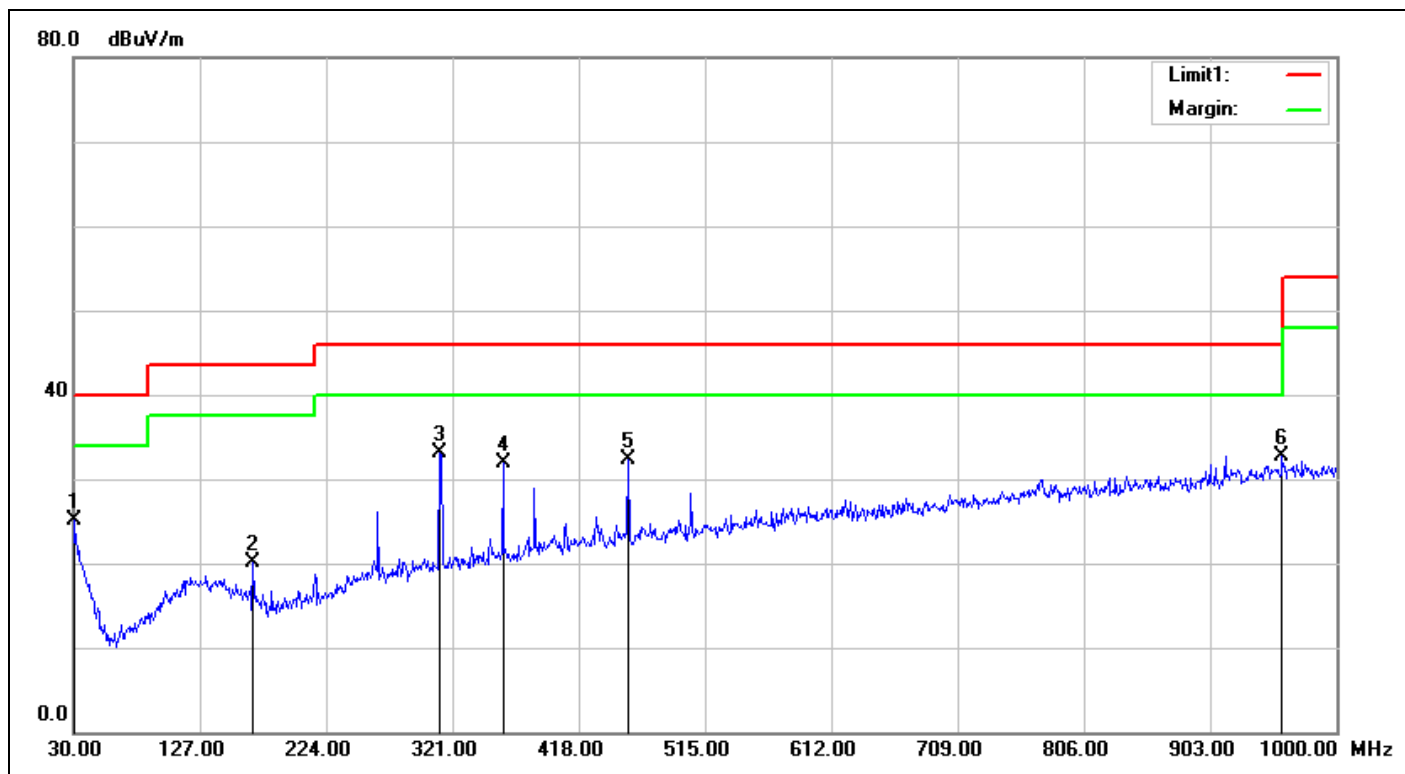
# Spurious Emissions, RX Mode, 30M-1G



**TUV Taiwan**

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

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



Service No.: 114058593(MH1-AAA)-LE  
 Test Standard: FCC Class B 3M Radiation  
 Test item: Radiation Emission  
 Applicant: Molekule  
 Product: Molekule Home One Air Purifier  
 Model No.: MH1-AAA  
 Test Mode: 2440-RX  
 Remark:

Test Distance: 3m  
 Ant. Polarization: Horizontal  
 Test Time: 2017/2/16 23:10:20  
 Test Rating: AC 120V/60Hz  
 Temp.(°C)/Hum.(%): 20.6(°C)/52%  
 Test Engineer: George Yang

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	25.14	25.07	40.00	-14.93	QP	100	135	
2	167.7400	-8.76	28.90	20.14	43.50	-23.36	QP	100	95	
3	311.3000	-4.24	37.44	33.20	46.00	-12.80	QP	100	239	
4	359.8000	-3.30	35.19	31.89	46.00	-14.11	QP	100	100	
5	455.8300	-1.94	34.15	32.21	46.00	-13.79	QP	100	66	
6	958.2900	5.45	27.34	32.79	46.00	-13.21	QP	100	188	

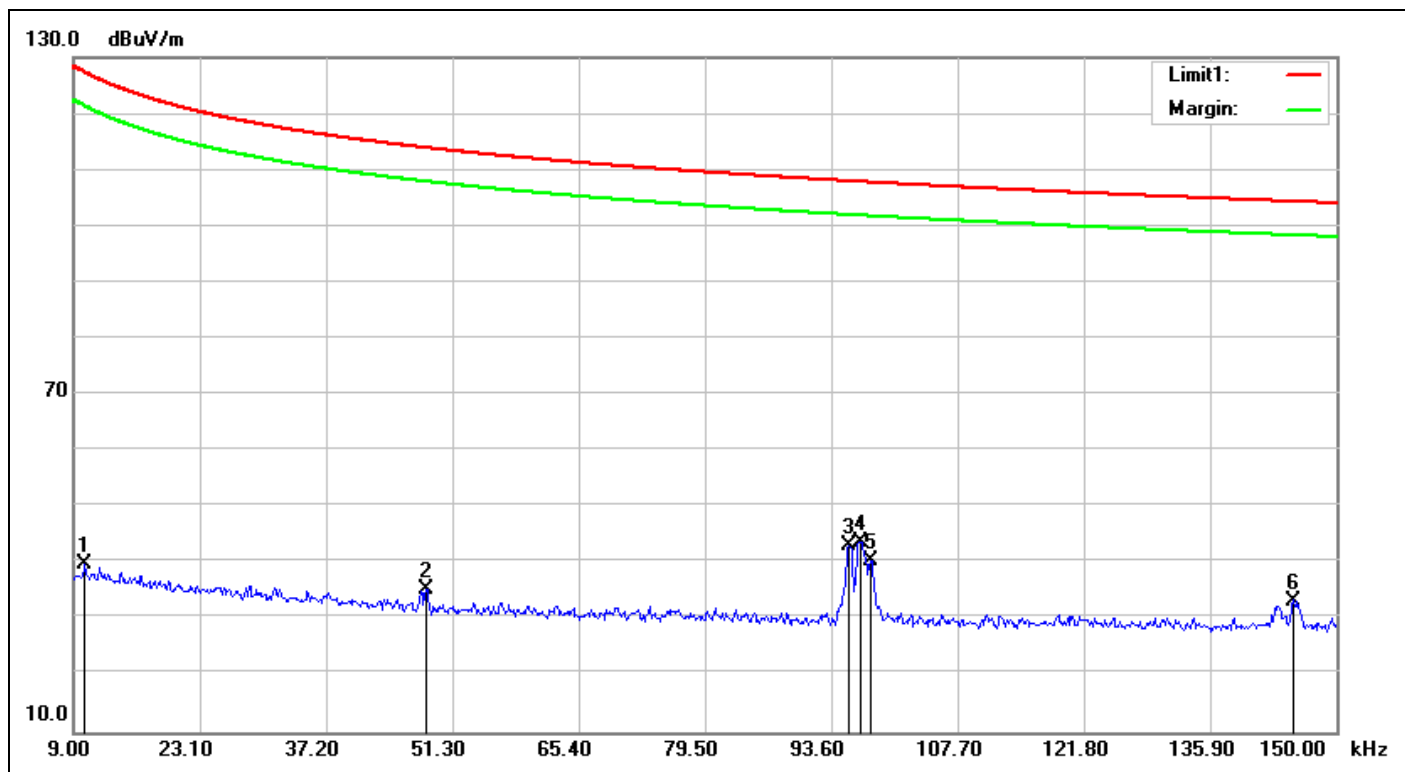
# Spurious Emissions, RX Mode, 9K-30M



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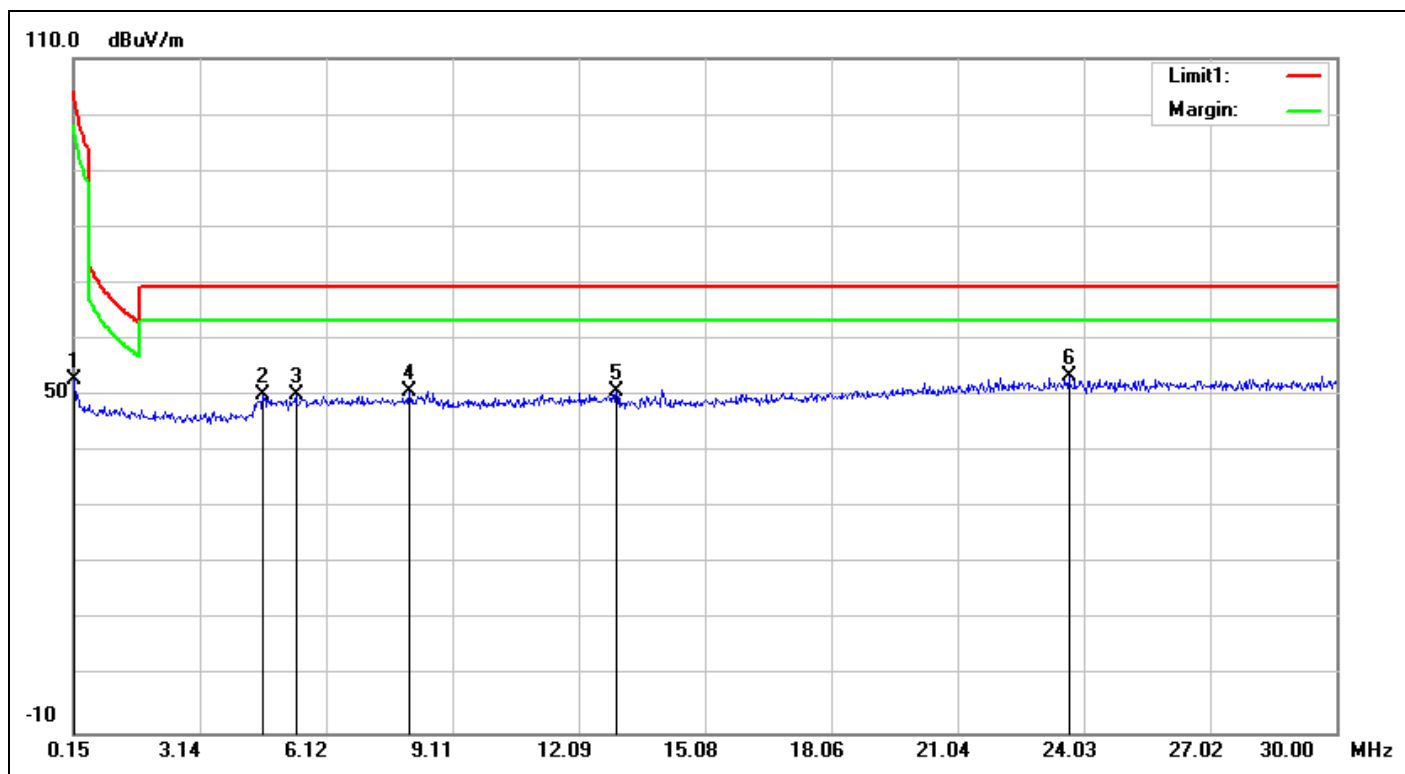
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Service No.: 114058593(MH1-AAA)-WiFi  
 Test Standard: FCC15.209\_9k-1G\_3m  
 Test item: Radiation Emission  
 Applicant: Molekule  
 Product: Molekule Home One Air Purifier  
 Model No.: MH1-AAA  
 Test Mode: RX  
 Remark:

Test Distance: 3m  
 Ant. Polarization:  
 Test Time: 2017/3/6 21:12:05  
 Test Rating: AC 120V/60Hz  
 Temp.(°C)/Hum.(%): 21.2(°C)/64%  
 Test Engineer: George Yang

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth ( ° )	Remark
1	0.0103	20.53	19.18	39.71	127.33	-87.62	QP	100	3	
2	0.0483	19.69	15.77	35.46	113.91	-78.45	QP	100	94	
3	0.0956	19.28	24.01	43.29	107.99	-64.70	QP	100	72	
4	0.0968	19.27	24.59	43.86	107.88	-64.02	QP	100	27	
5	0.0980	19.26	21.23	40.49	107.77	-67.28	QP	100	152	
6	0.1452	19.25	14.15	33.40	104.36	-70.96	QP	100	81	



**Service No.:** 114058593(MH1-AAA)-WiFi  
**Test Standard:** FCC15.209\_9k-1G\_3m  
**Test item:** Radiation Emission  
**Applicant:** Molekule  
**Product:** Molekule Home One Air Purifier  
**Model No.:** MH1-AAA  
**Test Mode:** RX  
**Remark:**

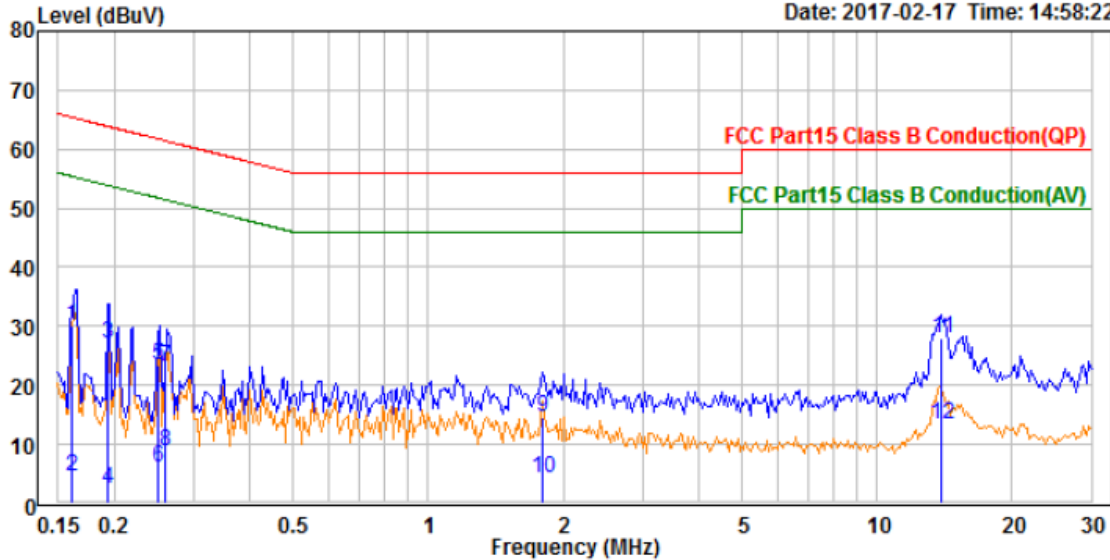
**Test Distance:** 3m  
**Ant. Polarization:**  
**Test Time:** 2017/3/6 21:15:02  
**Test Rating:** AC 120V/60Hz  
**Temp.(°C)/Hum.(%):** 21.2(°C)/64%  
**Test Engineer:** George Yang

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	33.54	52.79	102.50	-49.71	QP	100	351	
2	4.6275	19.58	30.60	50.18	69.50	-19.32	QP	100	160	
3	5.4036	19.76	30.32	50.08	69.50	-19.42	QP	100	351	
4	8.0901	20.18	30.54	50.72	69.50	-18.78	QP	100	243	
5	12.9855	20.87	29.85	50.72	69.50	-18.78	QP	100	360	
6	23.6718	21.95	31.42	53.37	69.50	-16.13	QP	100	320	

# Mains Spurious Emissions

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Date: 2017-02-17 Time: 14:58:22



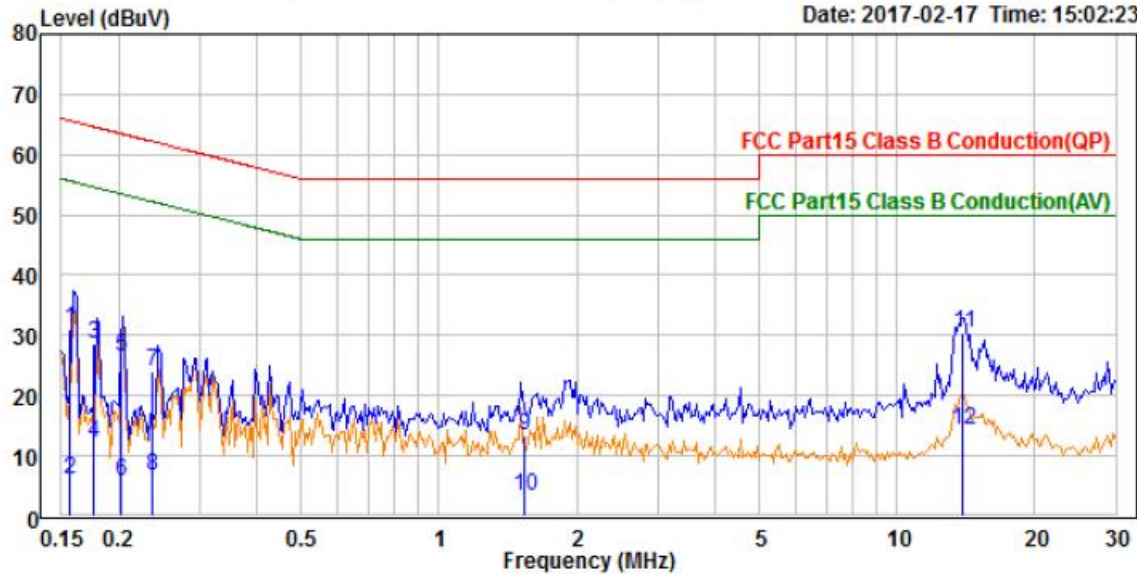
Trace: 1

Site : Conduction room  
Condition : FCC Part15 Class B Conduction(QP) line1  
Test Engineer: George Yang  
Applicant : Molekule  
Product : Molekule Home One Air Purifier  
Model No. : MH1-AAA  
Test Rating : 120Vac/60Hz  
Tmp/Hum : 24.3°C / 37%  
Memo : Mains

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.160	30.18	20.40	9.78	65.45	-35.27	QP
2	0.160	4.63	-5.15	9.78	55.45	-50.82	Average
3	0.193	26.93	17.17	9.76	63.93	-37.00	QP
4	0.193	2.54	-7.22	9.76	53.93	-51.39	Average
5	0.251	23.36	13.61	9.75	61.71	-38.35	QP
6	0.251	6.07	-3.68	9.75	51.71	-45.64	Average
7	0.259	23.14	13.39	9.75	61.47	-38.33	QP
8	0.259	8.89	-0.86	9.75	51.47	-42.58	Average
9	1.805	14.69	4.92	9.77	56.00	-41.31	QP
10	1.805	4.40	-5.37	9.77	46.00	-41.60	Average
11	13.954	27.95	18.04	9.91	60.00	-32.05	QP
12	13.954	13.38	3.47	9.91	50.00	-36.62	Average

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Date: 2017-02-17 Time: 15:02:23



Trace: 1

Site : Conduction room  
Condition : FCC Part15 Class B Conduction(QP) neutral  
Test Engineer: George Yang  
Applicant : Molekule  
Product : Molekule Home One Air Purifier  
Model No. : MH1-AAA  
Test Rating : 120Vac/60Hz  
Tmp/Hum : 24.3°C / 37%  
Memo : Mains

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.156	31.02	21.29	9.73	65.68	-34.66	QP
2	0.156	6.17	-3.56	9.73	55.68	-49.51	Average
3	0.176	28.54	18.84	9.70	64.67	-36.13	QP
4	0.176	12.04	2.34	9.70	54.67	-42.63	Average
5	0.203	26.31	16.62	9.69	63.48	-37.17	QP
6	0.203	5.66	-4.03	9.69	53.48	-47.82	Average
7	0.237	23.89	14.20	9.69	62.19	-38.30	QP
8	0.237	6.54	-3.15	9.69	52.19	-45.65	Average
9	1.538	13.25	3.54	9.71	56.00	-42.75	QP
10	1.538	3.28	-6.43	9.71	46.00	-42.72	Average
11	13.950	30.31	20.43	9.88	60.00	-29.69	QP
12	13.950	14.18	4.30	9.88	50.00	-35.82	Average