

# Test Report No.50092946 001

## Appendix D: Radiated Spurious Emission Data

(File: 50092946AppendixD)

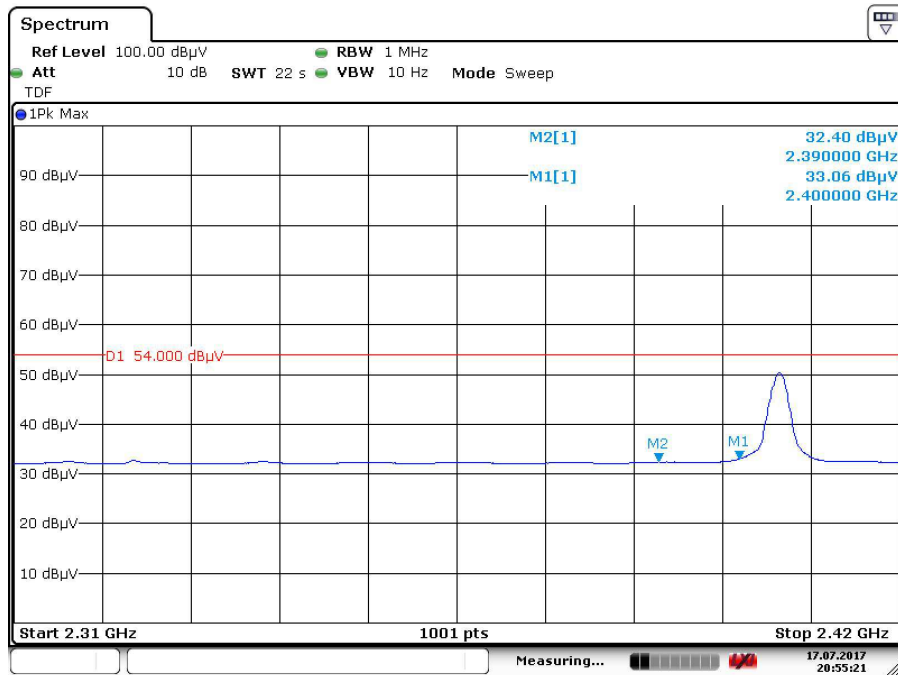
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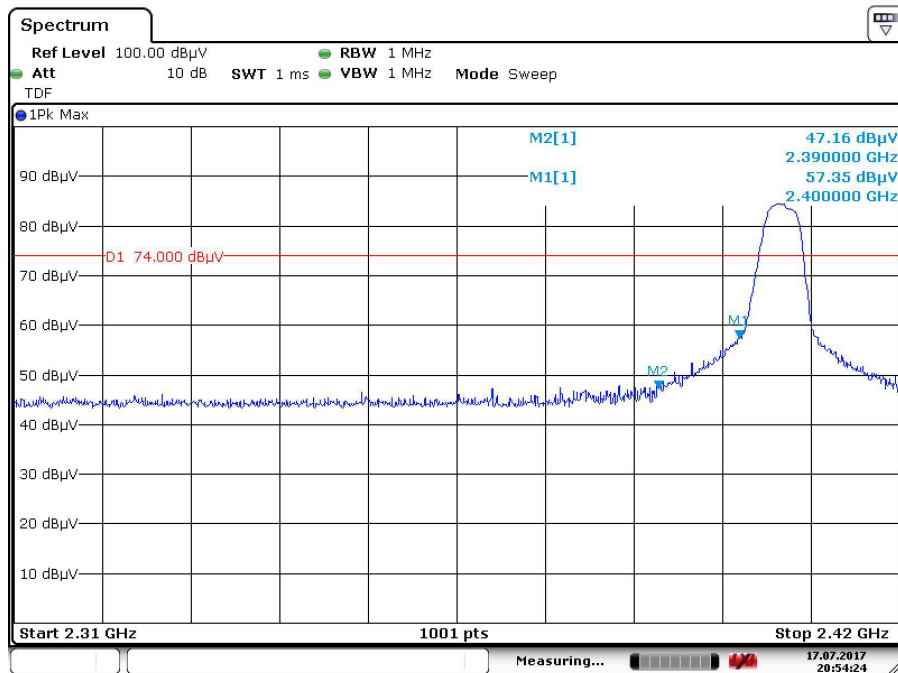
# Spurious Emissions, Band Edges, 2.35-2.5G

## Radiated Bandedge

### Low Channel (Hor)



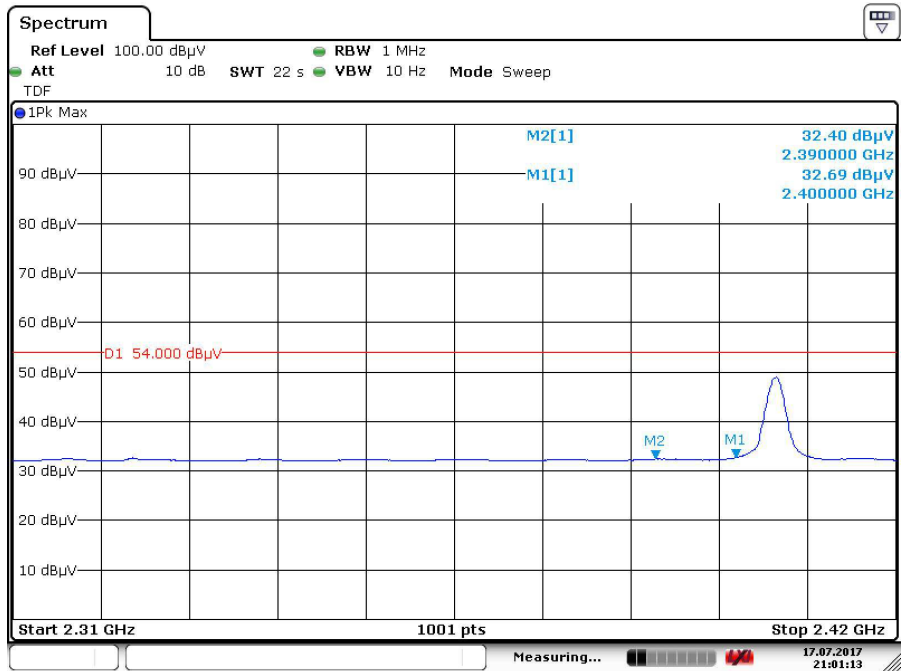
Date: 17.JUL.2017 20:55:21



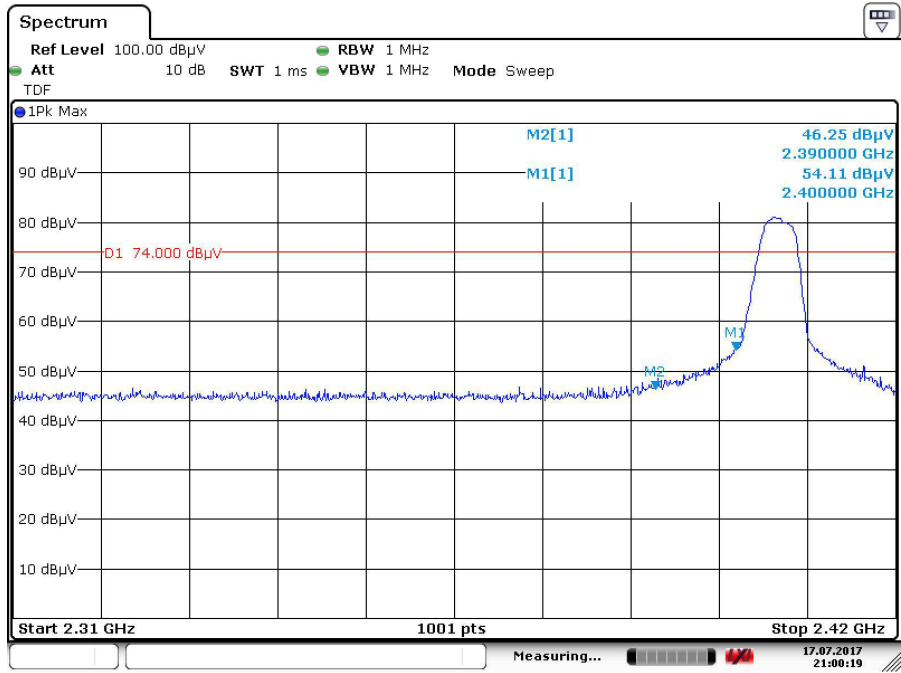
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# Spurious Emissions, Band Edge, 2.35-2.5G

# Low Channel (Ver)



Date: 17.JUL.2017 21:01:13

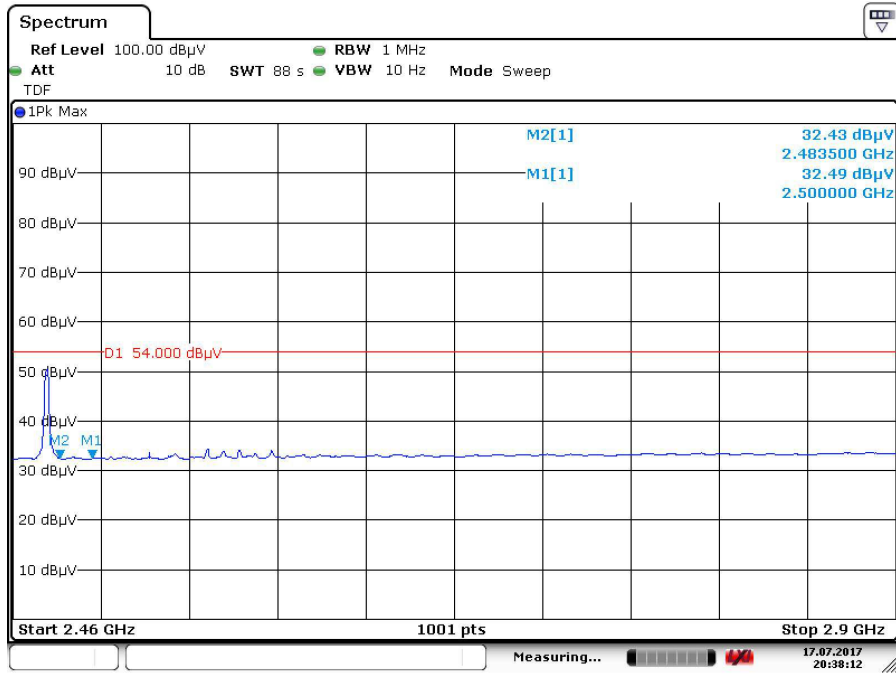


Date: 17.JUL.2017 21:00:19

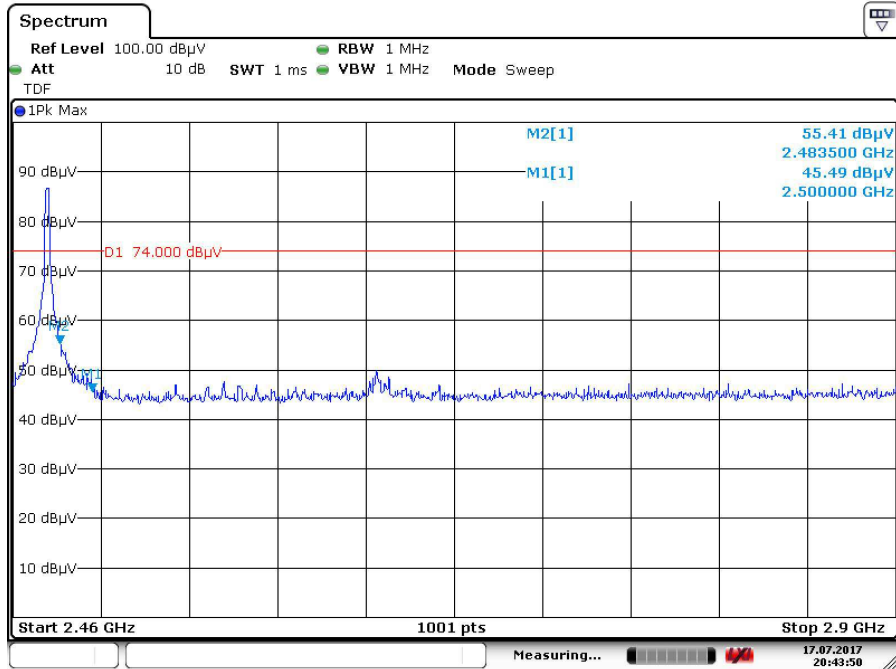
## Spurious Emissions, Band Edge, 2.35-2.5G

# Radiated Bandedge

## High Channel (Hor)



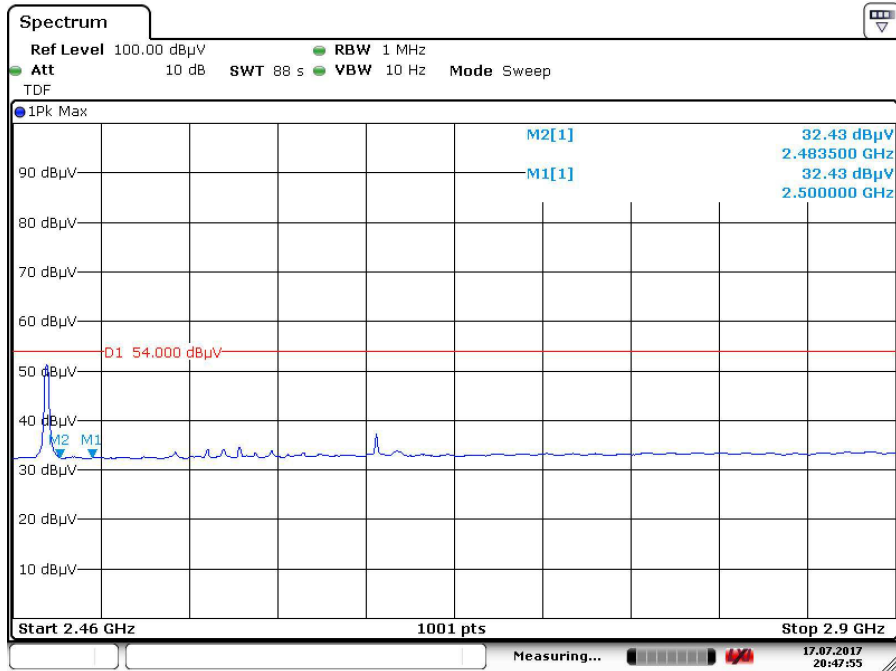
Date: 17.JUL.2017 20:38:12



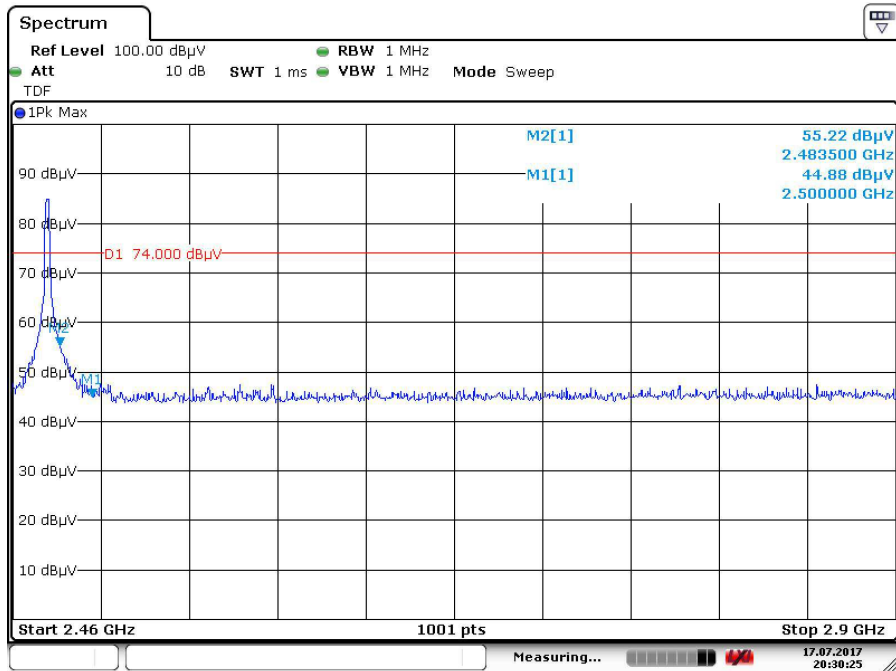
Date: 17.JUL.2017 20:43:50

## Spurious Emissions, Band Edge, 2.35-2.5G

# High Channel (Ver)



Date: 17.JUL.2017 20:47:55



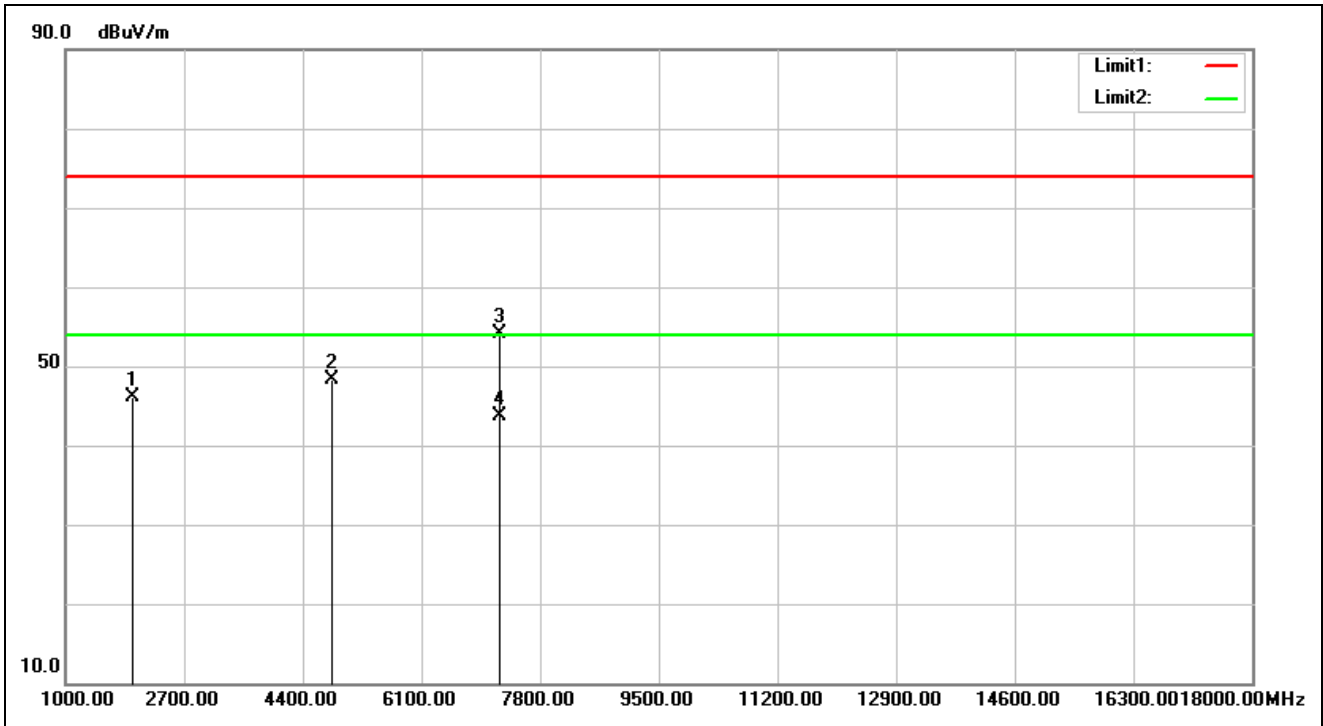
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# Spurious Emissions, Band Edge, 2.35-2.5G

# Spurious Emissions, TX Mode, 1-18G

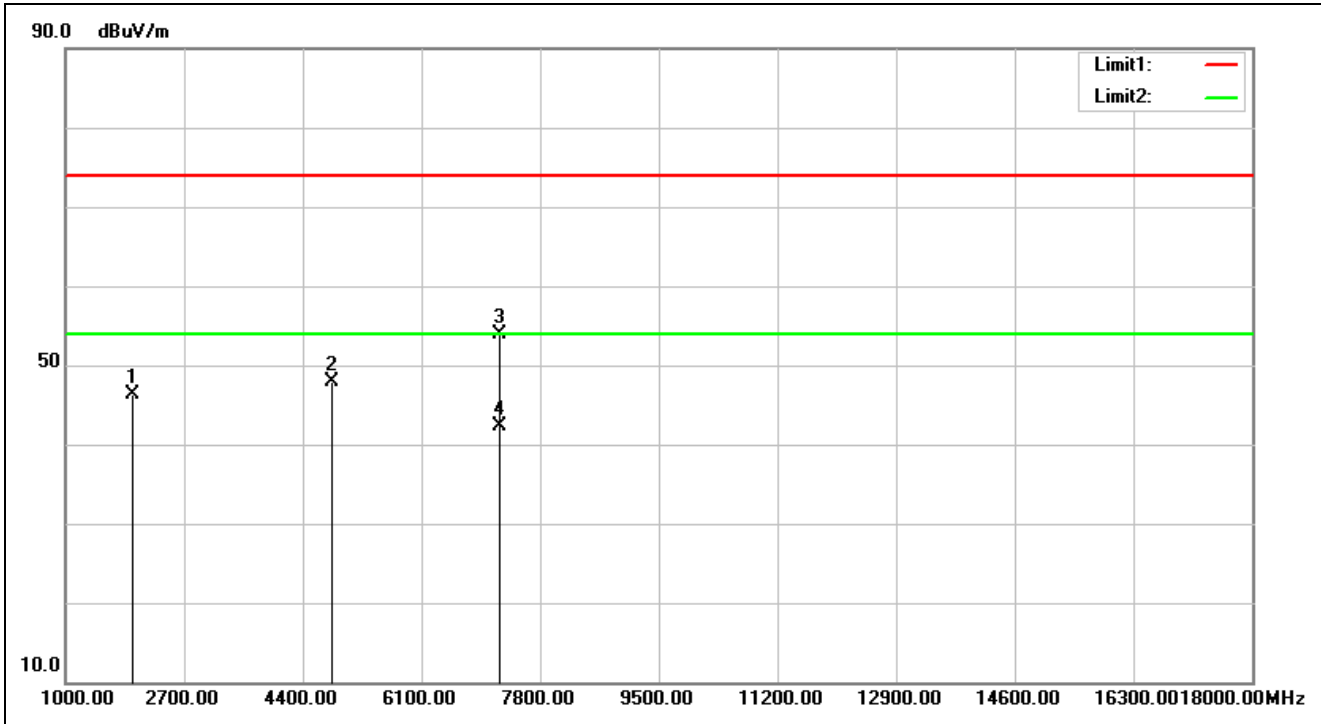


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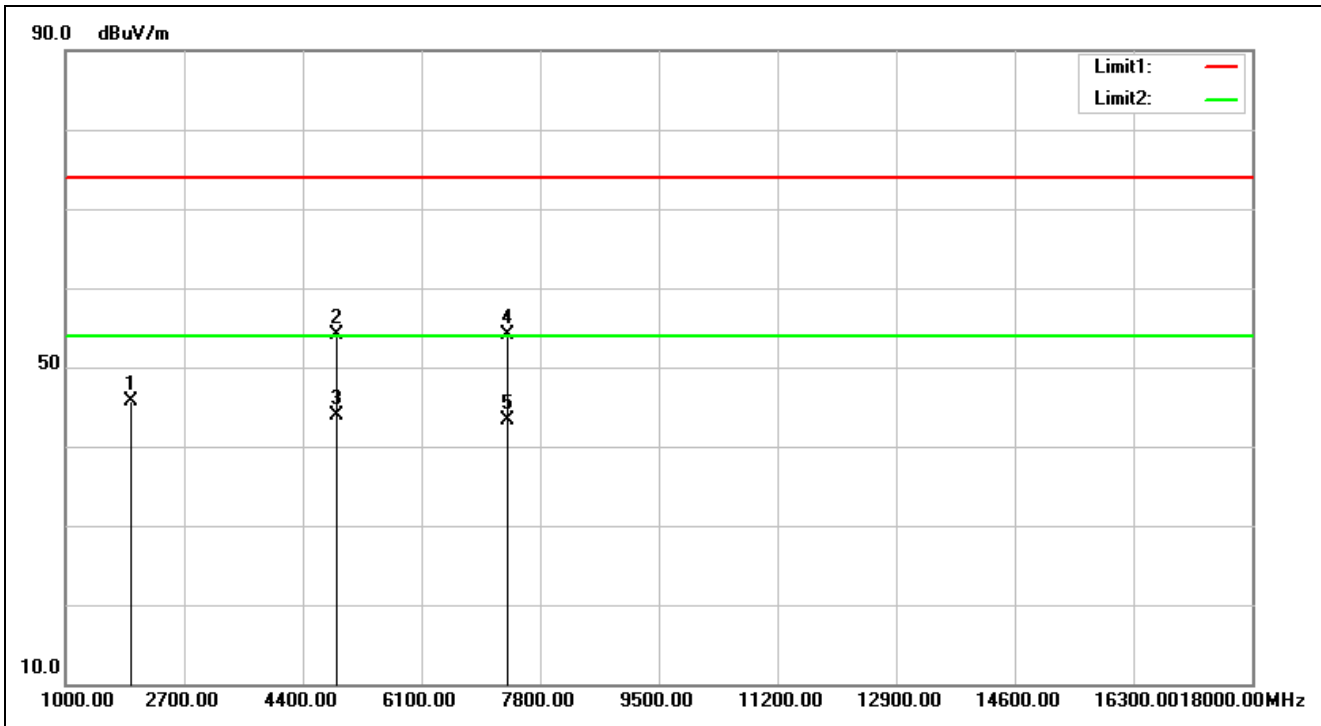
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:02:46</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2405</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	1952.000	-5.41	51.45	46.04	74.00	-27.96	peak	100	241	
2	4810.000	0.45	47.94	48.39	74.00	-25.61	peak	100	103	
3	7215.000	9.14	44.90	54.04	74.00	-19.96	peak	100	75	
4	7215.000	9.14	34.58	43.72	54.00	-10.28	AVG	100	75	



<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</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>2017/7/17 21:05:05</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2405</b>		
<b>Remark:</b>			

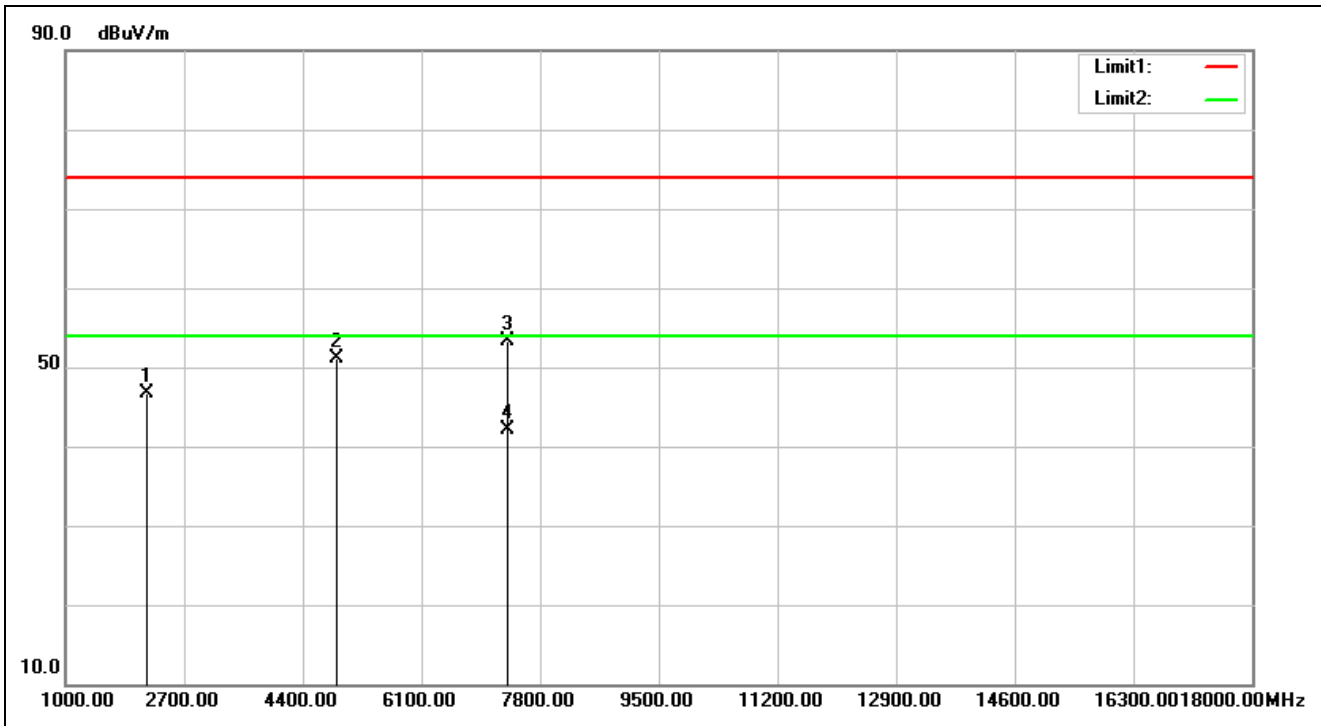
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1969.000	-5.30	51.55	46.25	74.00	-27.75	peak	100	83	
2	4810.000	0.45	47.54	47.99	74.00	-26.01	peak	100	359	
3	7215.000	9.14	44.73	53.87	74.00	-20.13	peak	200	136	
4	7215.000	9.14	33.21	42.35	54.00	-11.65	AVG	200	136	



<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</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>2017/7/17 21:17:14</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2442</b>		
<b>Remark:</b>			

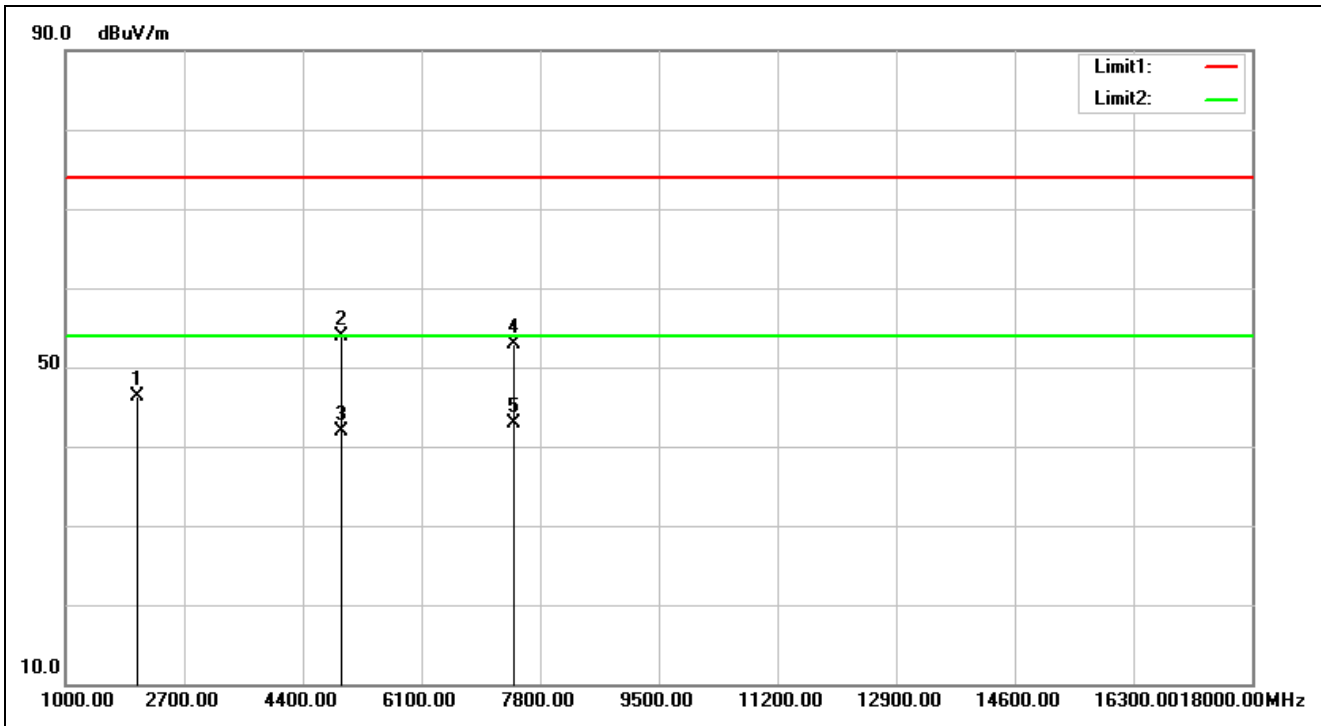
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1935.000	-5.54	51.27	45.73	74.00	-28.27	peak	100	56	
2	4884.000	0.68	53.52	54.20	74.00	-19.80	peak	100	213	
3	4884.000	0.68	43.21	43.89	54.00	-10.11	AVG	100	213	
4	7326.000	9.45	44.67	54.12	74.00	-19.88	peak	100	186	
5	7326.000	9.45	33.90	43.35	54.00	-10.65	AVG	100	186	





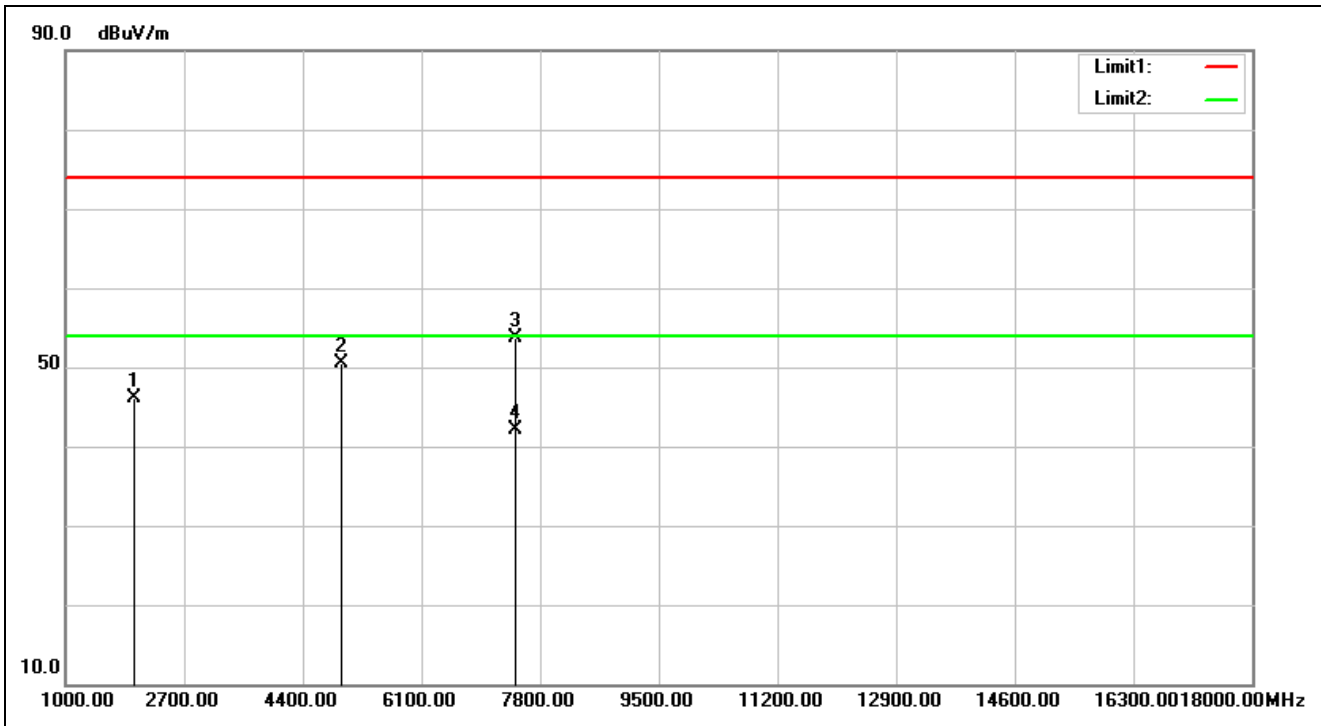
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:18:16</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2442</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	2156.000	-5.00	51.69	46.69	74.00	-27.31	peak	100	360	
2	4884.000	0.68	50.52	51.20	74.00	-22.80	peak	100	64	
3	7326.000	9.45	43.90	53.35	74.00	-20.65	peak	100	254	
4	7326.000	9.45	32.72	42.17	54.00	-11.83	AVG	100	254	



Service No.:	114066822(B219MR, 26503A, 26504A)	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/7/17 21:26:24
Applicant:	Areson	Test Rating:	DC 3V
Product:	2.4GHz Wireless Mouse	Temp.(°C)/Hum.(%):	23.1(°C)/54%
Model No.:	B219MR, 26503A, 26504A	Test Engineer:	Kai Wang
Test Mode:	TX-2477		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2020.000	-5.05	51.36	46.31	74.00	-27.69	peak	100	80	
2	4954.000	0.90	52.95	53.85	74.00	-20.15	peak	200	280	
3	4954.000	0.90	41.01	41.91	54.00	-12.09	AVG	200	280	
4	7431.000	9.76	43.20	52.96	74.00	-21.04	peak	100	202	
5	7431.000	9.76	33.08	42.84	54.00	-11.16	AVG	100	202	



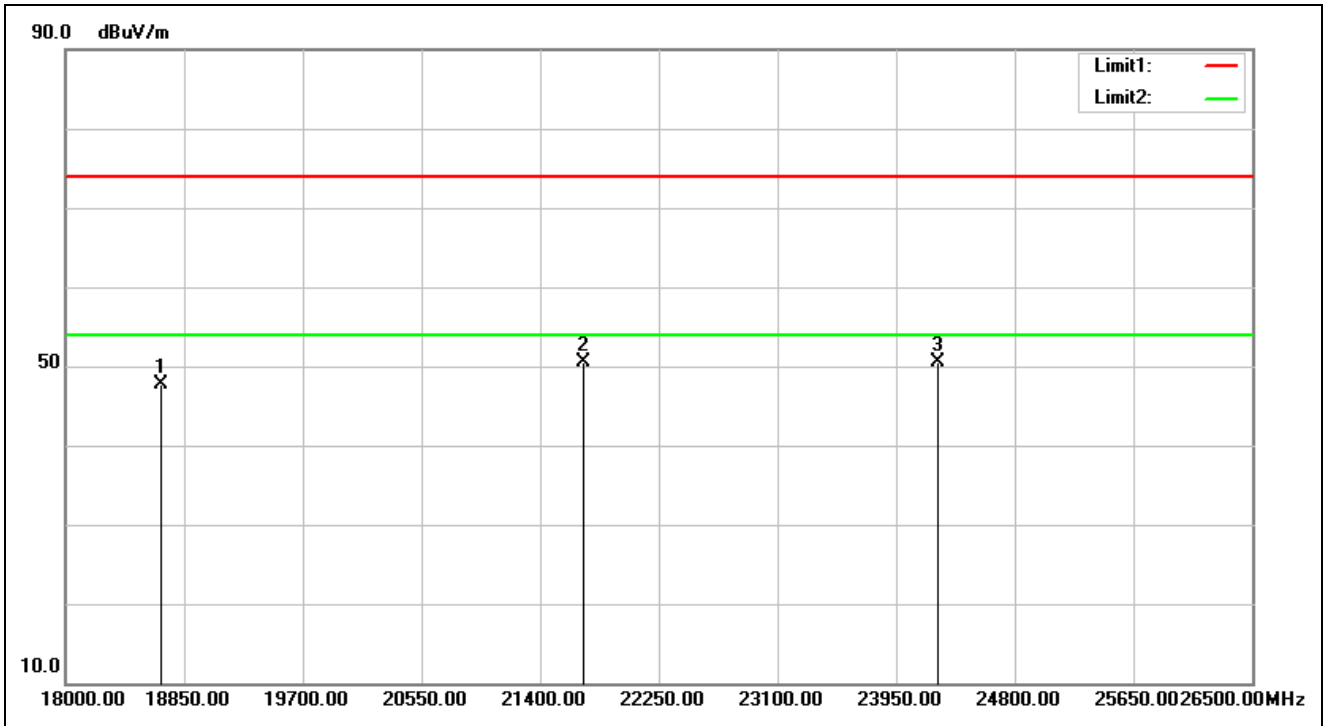
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:28:26</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2477</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	1986.000	-5.16	51.33	46.17	74.00	-27.83	peak	100	310	
2	4954.000	0.90	49.68	50.58	74.00	-23.42	peak	100	252	
3	7431.000	9.76	43.97	53.73	74.00	-20.27	peak	100	274	
4	7431.000	9.76	32.32	42.08	54.00	-11.92	AVG	100	274	

# Spurious Emissions, TX Mode, 18-26G

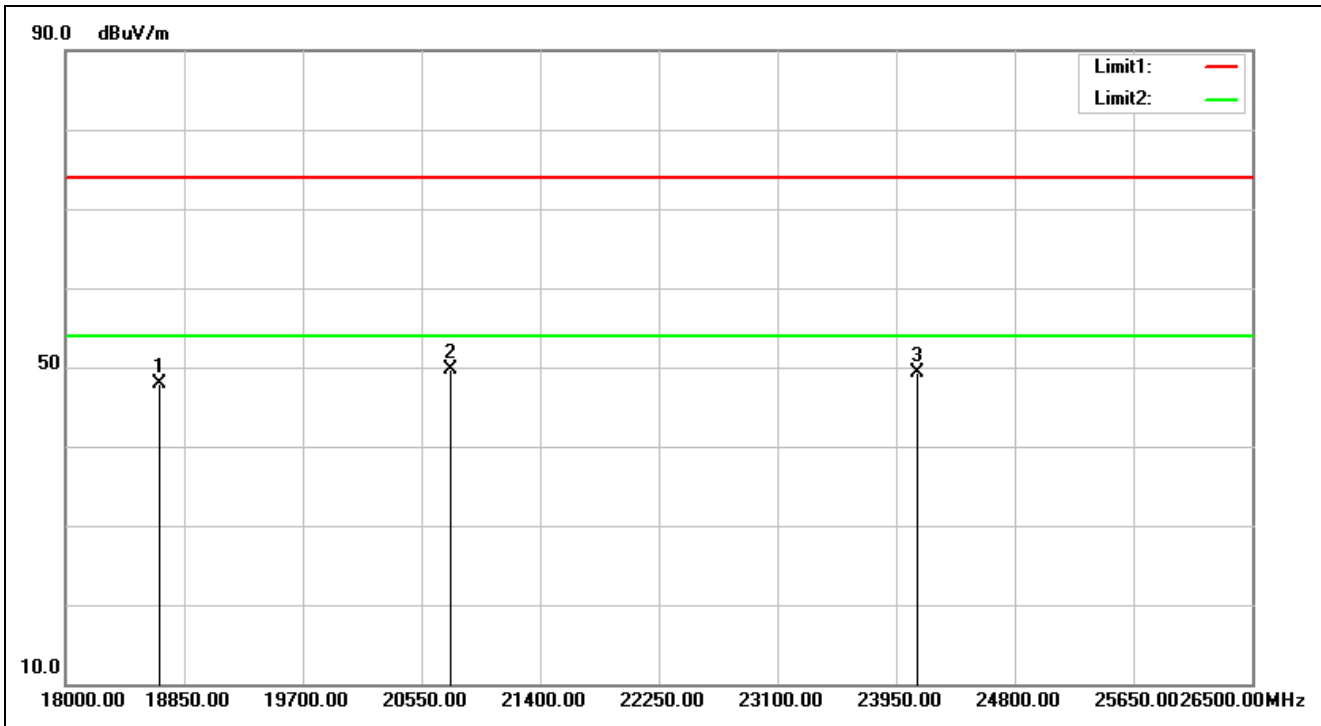


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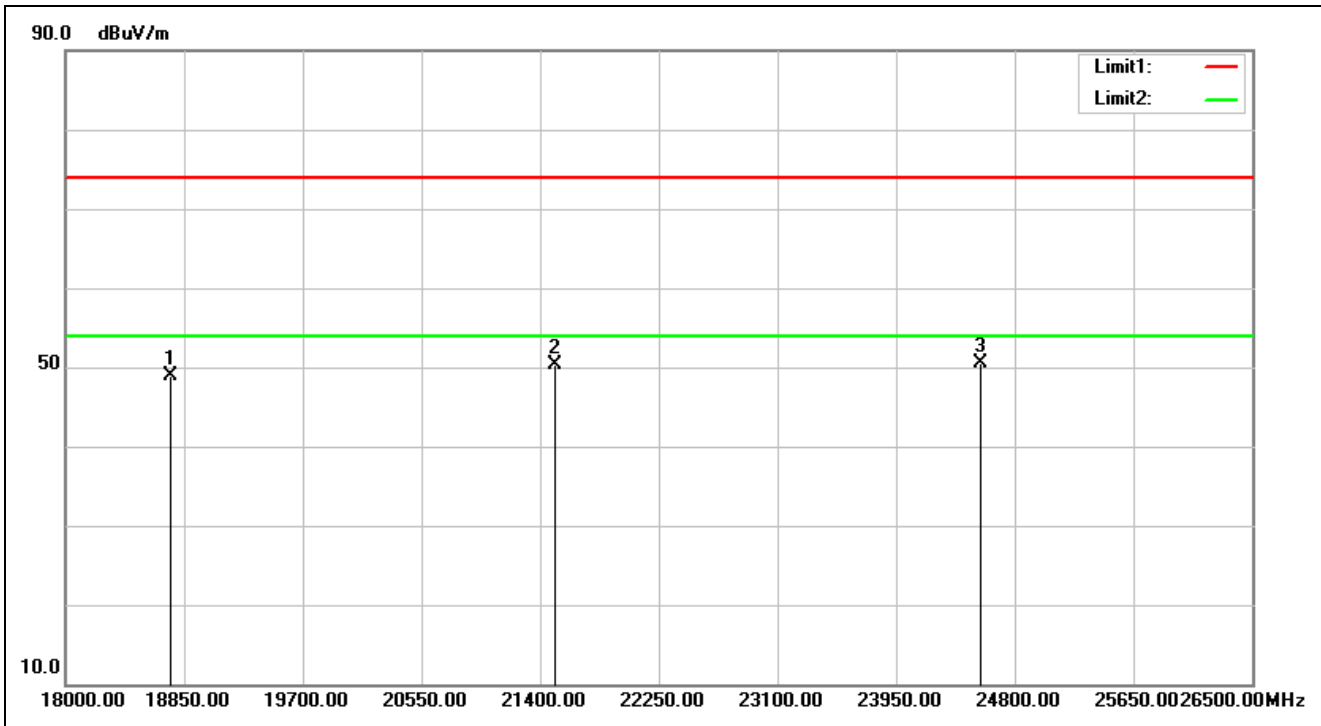
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:45:31</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2405</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	18688.500	29.80	17.94	47.74	74.00	-26.26	peak	100	70	
2	21714.500	33.45	17.00	50.45	74.00	-23.55	peak	100	251	
3	24247.500	33.21	17.39	50.60	74.00	-23.40	peak	100	260	



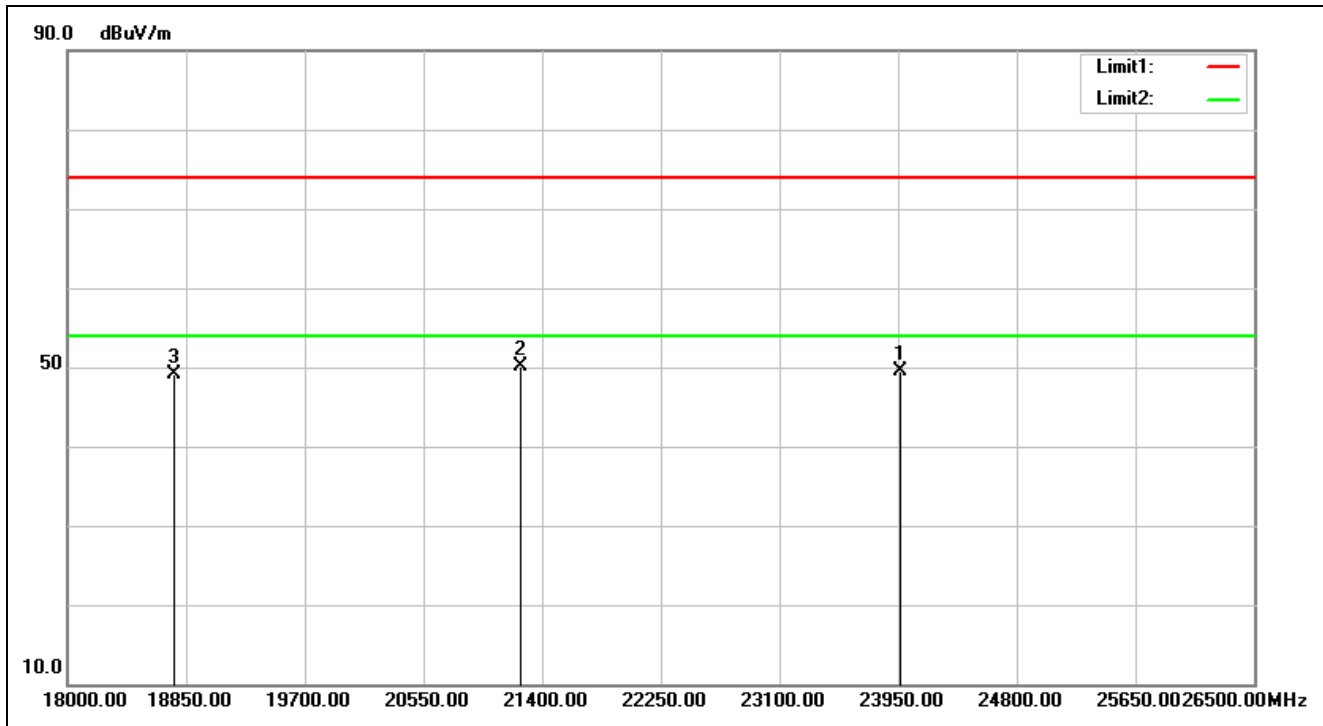
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:46:34</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2405</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	18671.500	29.77	18.22	47.99	74.00	-26.01	peak	100	89	
2	20762.500	32.34	17.45	49.79	74.00	-24.21	peak	100	221	
3	24103.000	33.02	16.28	49.30	74.00	-24.70	peak	100	233	



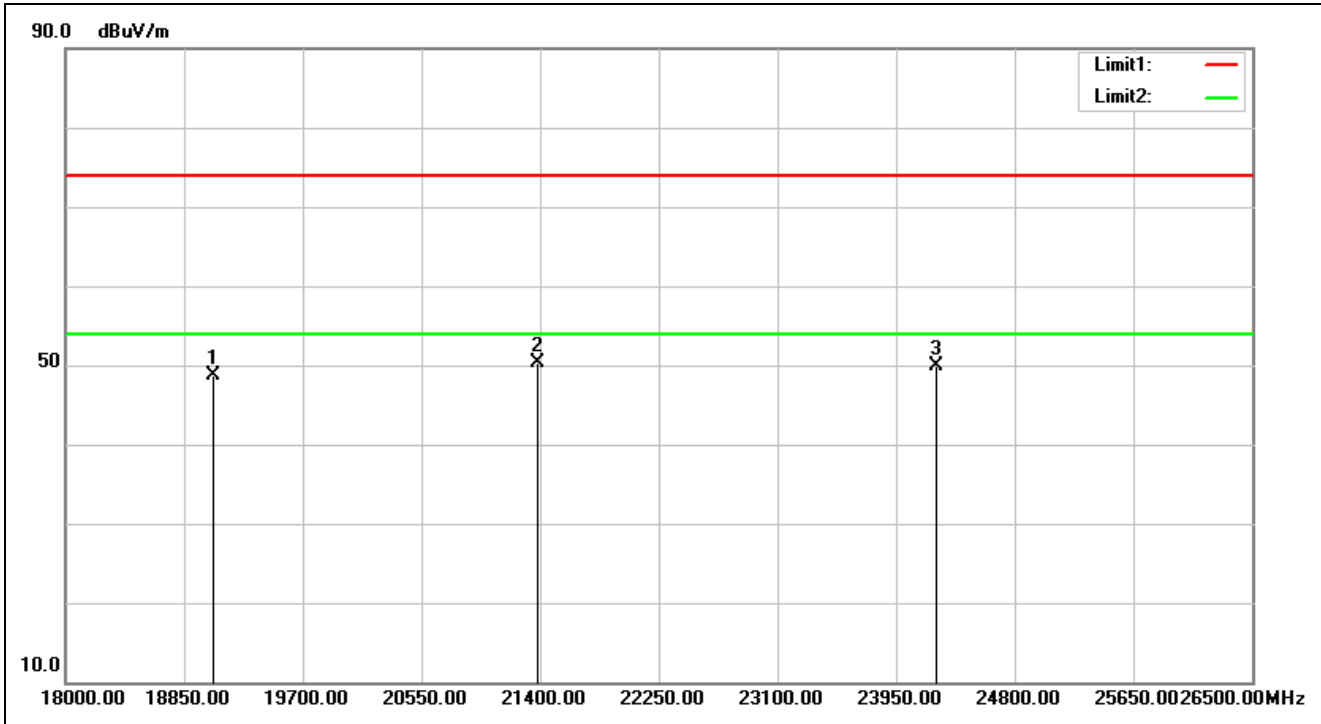
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:48:09</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2442</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	18756.500	29.92	18.96	48.88	74.00	-25.12	peak	100	203	
2	21510.500	33.24	17.13	50.37	74.00	-23.63	peak	100	50	
3	24553.500	33.65	16.76	50.41	74.00	-23.59	peak	100	105	



<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</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>2017/7/17 21:49:11</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2442</b>		
<b>Remark:</b>			

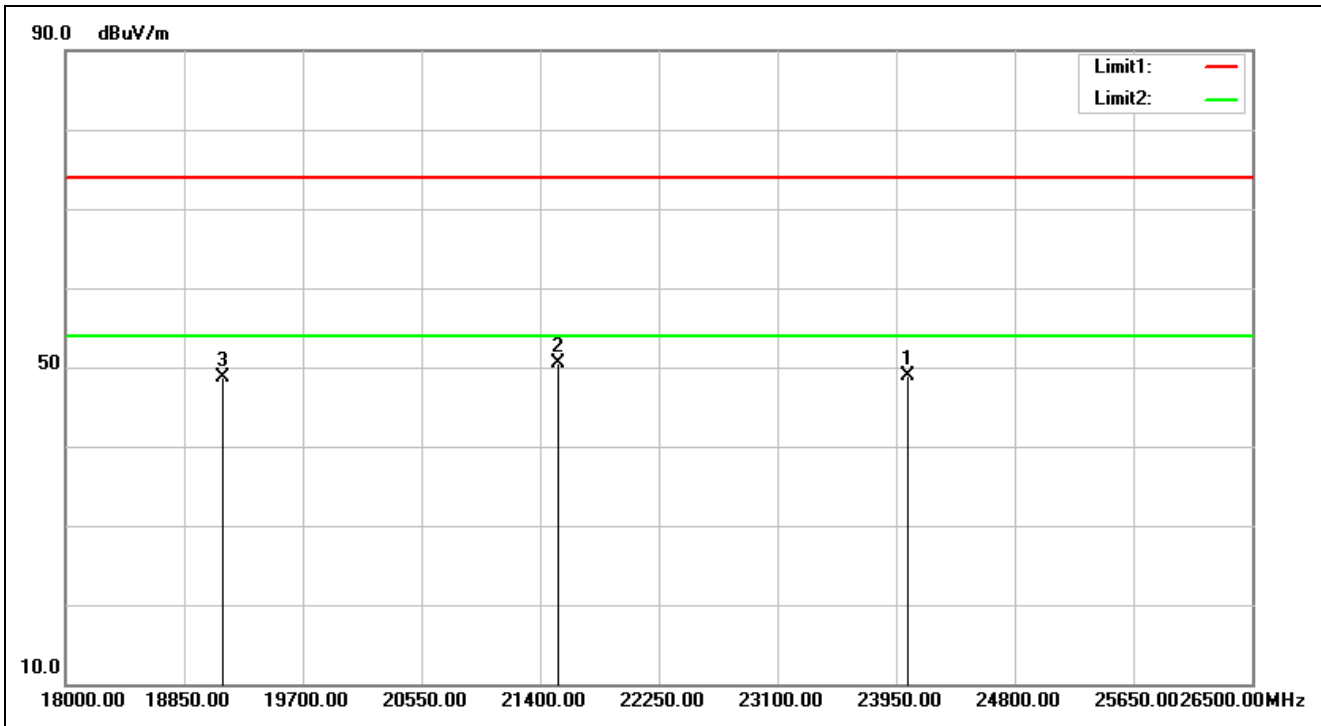
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23967.000	32.94	16.52	49.46	74.00	-24.54	peak	100	176	
2	21247.000	32.87	17.28	50.15	74.00	-23.85	peak	100	135	
3	18765.000	29.92	19.13	49.05	74.00	-24.95	peak	100	49	



<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</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>2017/7/17 21:51:16</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2477</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	19062.500	30.42	18.35	48.77	74.00	-25.23	peak	100	135	
2	21383.000	33.07	17.24	50.31	74.00	-23.69	peak	100	284	
3	24239.000	33.20	16.80	50.00	74.00	-24.00	peak	100	247	





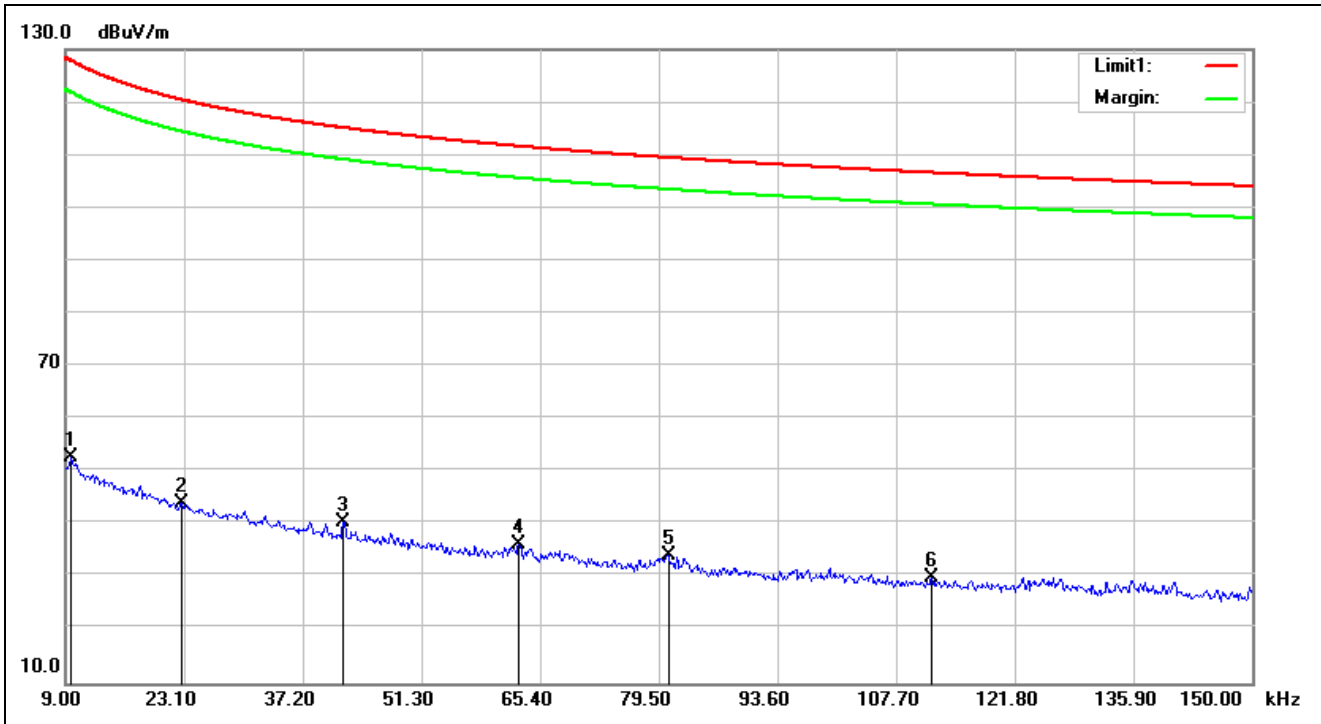
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:52:18</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2477</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	24035.000	32.92	16.04	48.96	74.00	-25.04	peak	100	74	
2	21527.500	33.26	17.17	50.43	74.00	-23.57	peak	100	105	
3	19130.500	30.55	18.17	48.72	74.00	-25.28	peak	100	16	

# Spurious Emissions, TX Mode, 9K-1G



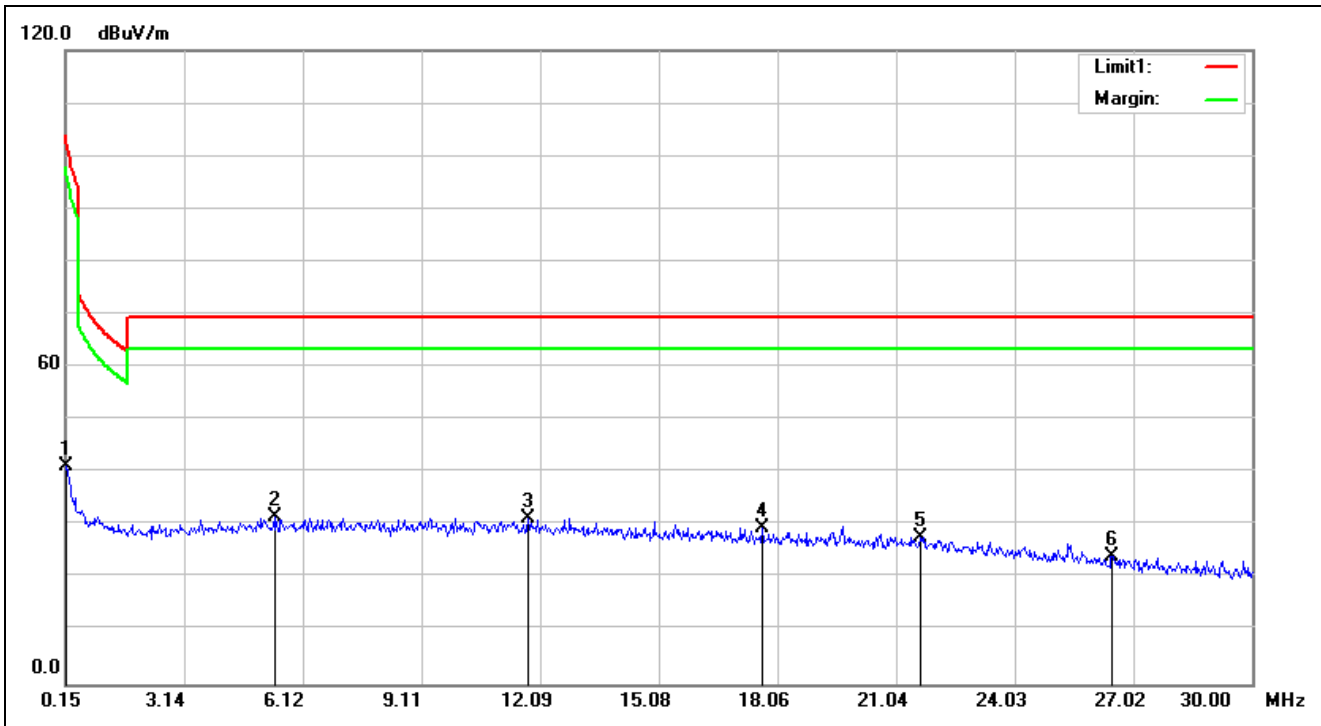
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<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC15.209_9k-1G_3m</b>	<b>Ant. Polarization:</b>	
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 18:45:55</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2442</b>		
<b>Remark:</b>			

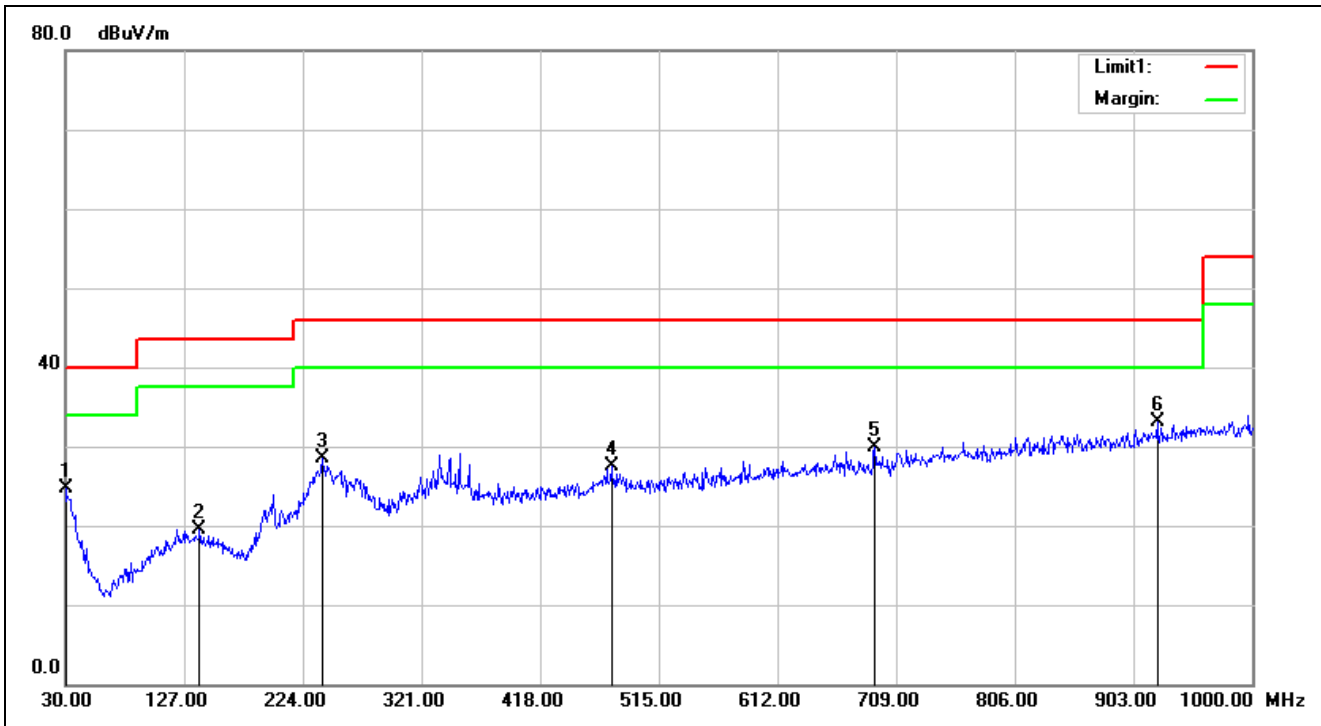
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0097	19.81	33.08	52.89	127.85	-74.96	QP	100	218	
2	0.0228	20.06	23.92	43.98	120.43	-76.45	QP	100	304	
3	0.0420	19.71	20.74	40.45	115.13	-74.68	QP	100	168	
4	0.0629	19.35	16.85	36.20	111.62	-75.42	QP	100	132	
5	0.0806	19.25	14.89	34.14	109.47	-75.33	QP	100	117	
6	0.1119	19.12	10.73	29.85	106.62	-76.77	QP	100	68	

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



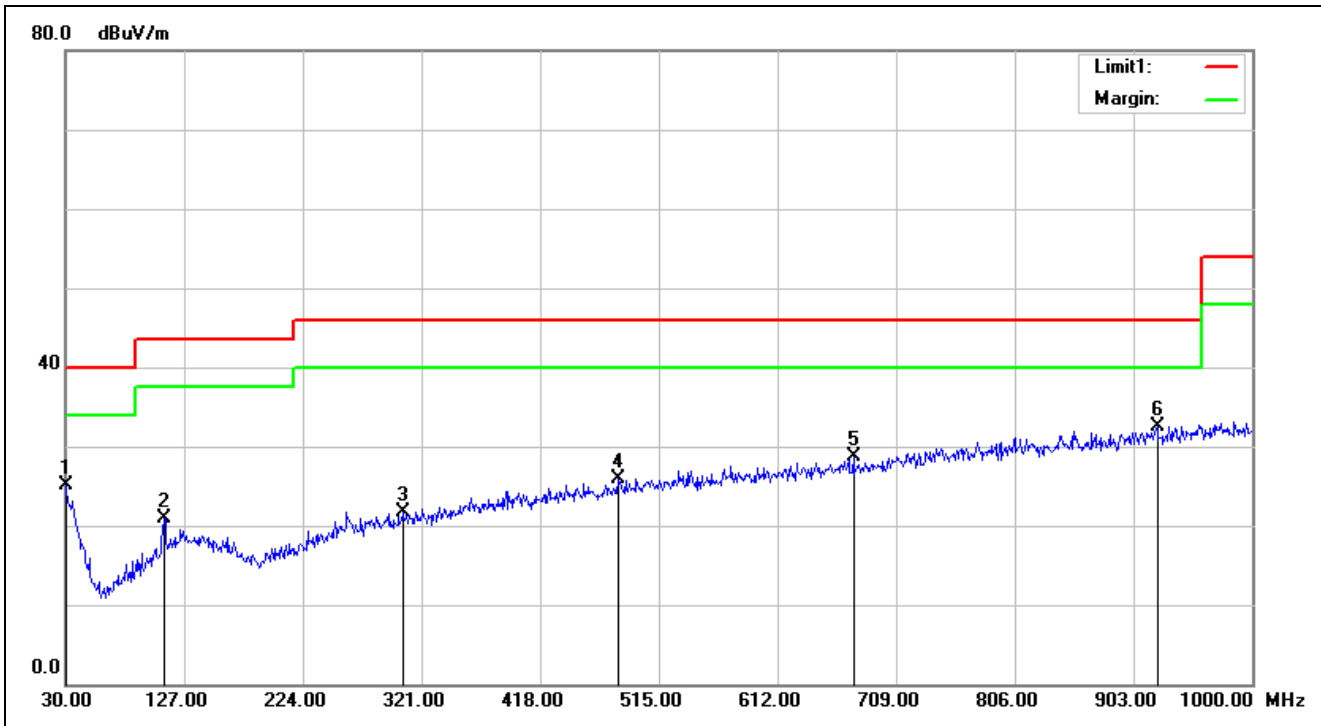
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC15.209_9k-1G_3m</b>	<b>Ant. Polarization:</b>	
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 18:49:27</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2442</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	0.1500	19.08	22.23	41.31	104.08	-62.77	QP	100	204	
2	5.4036	19.79	11.78	31.57	69.50	-37.93	QP	100	139	
3	11.7915	20.53	10.81	31.34	69.50	-38.16	QP	100	204	
4	17.6720	21.57	8.11	29.68	69.50	-39.82	QP	100	112	
5	21.6420	22.10	5.79	27.89	69.50	-41.61	QP	100	305	
6	26.4777	22.42	1.87	24.29	69.50	-45.21	QP	100	295	



<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Class B 3M Radiation</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 18:12:16</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2442</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	30.0000	-0.08	24.75	24.67	40.00	-15.33	QP	400	280	
2	139.6100	-7.06	26.55	19.49	43.50	-24.01	QP	100	167	
3	239.5200	-6.76	35.30	28.54	46.00	-17.46	QP	300	312	
4	476.1999	-1.59	29.05	27.46	46.00	-18.54	QP	200	268	
5	691.5399	0.99	28.90	29.89	46.00	-16.11	QP	200	225	
6	922.3999	4.72	28.43	33.15	46.00	-12.85	QP	200	235	



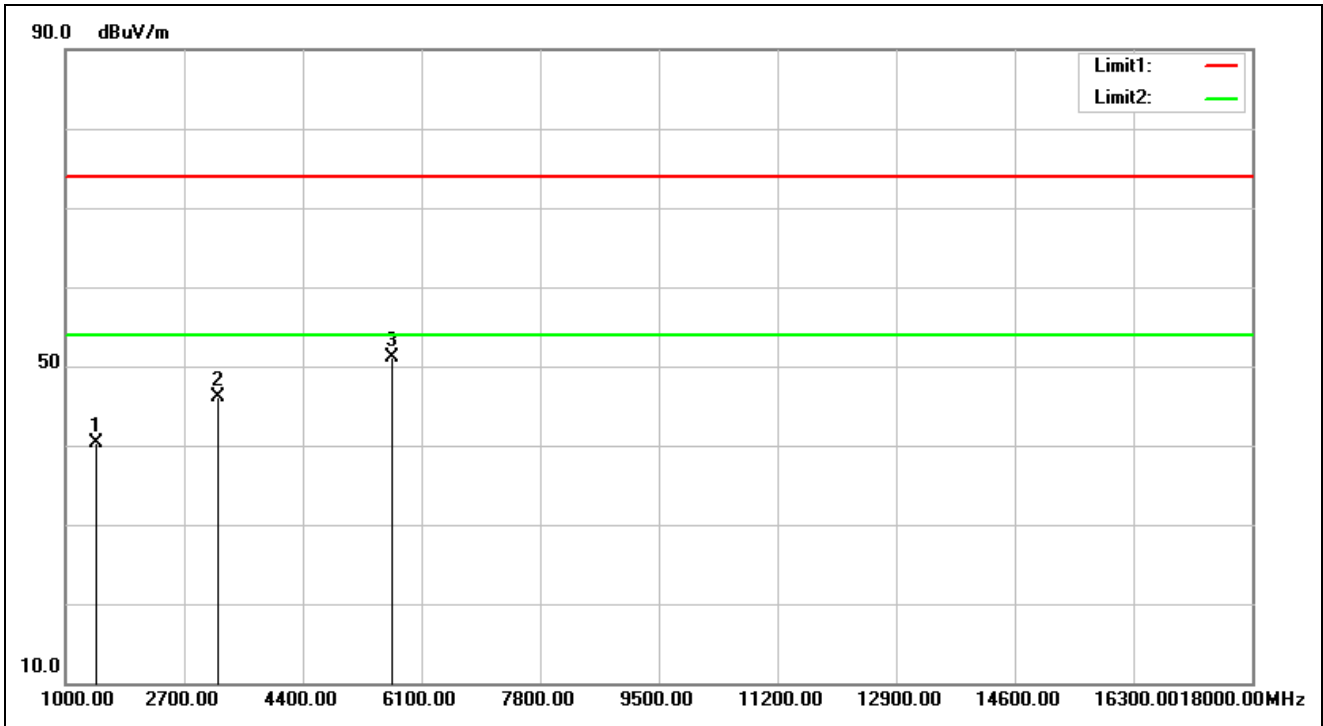
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Class B 3M Radiation</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 18:17:20</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>TX-2442</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	30.0000	-0.08	25.18	25.10	40.00	-14.90	QP	100	358	
2	110.5100	-8.22	29.05	20.83	43.50	-22.67	QP	300	86	
3	305.4800	-4.41	26.16	21.75	46.00	-24.25	QP	100	129	
4	482.0200	-1.52	27.51	25.99	46.00	-20.01	QP	100	11	
5	674.0800	0.79	27.96	28.75	46.00	-17.25	QP	200	257	
6	922.4000	4.72	27.77	32.49	46.00	-13.51	QP	100	164	

# Spurious Emissions, RX Mode, 1-18G

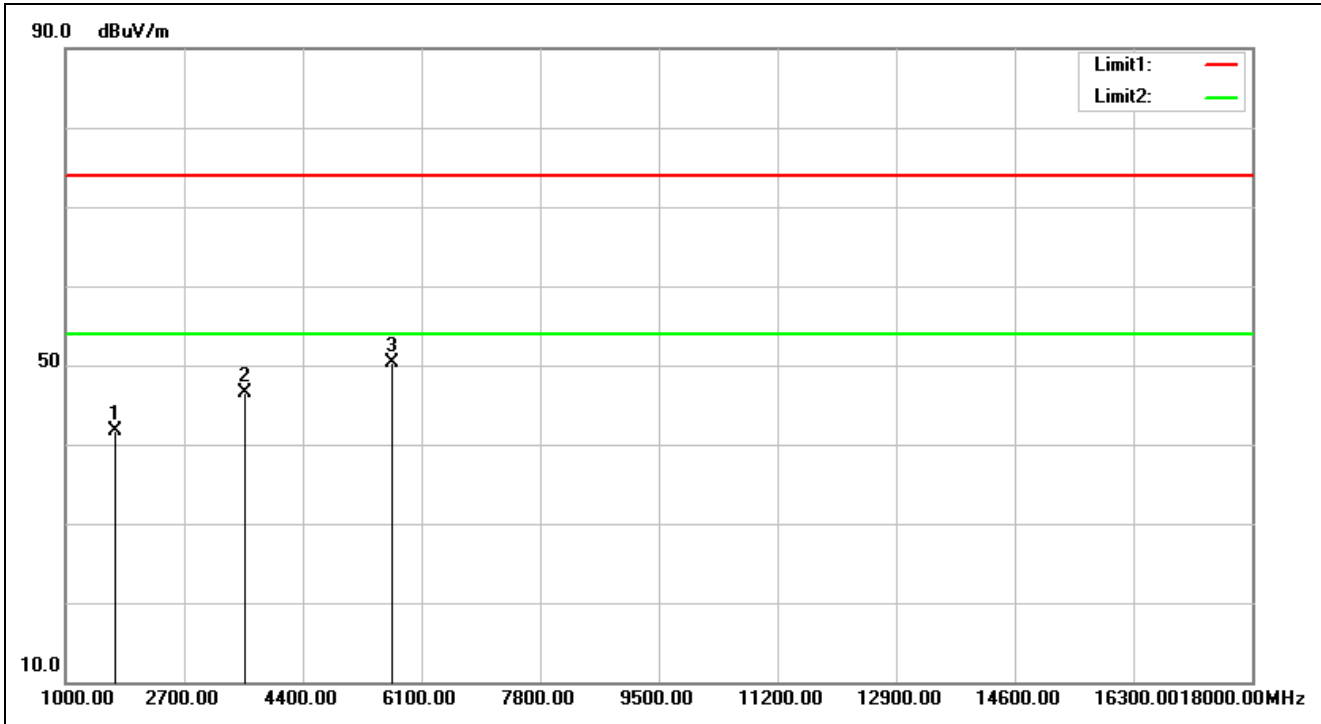


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<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:35:07</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>RX-2442</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	1442.000	-8.69	48.92	40.23	74.00	-33.77	peak	100	255	
2	3193.000	-3.83	49.91	46.08	74.00	-27.92	peak	100	12	
3	5675.000	4.71	46.31	51.02	74.00	-22.98	peak	100	340	



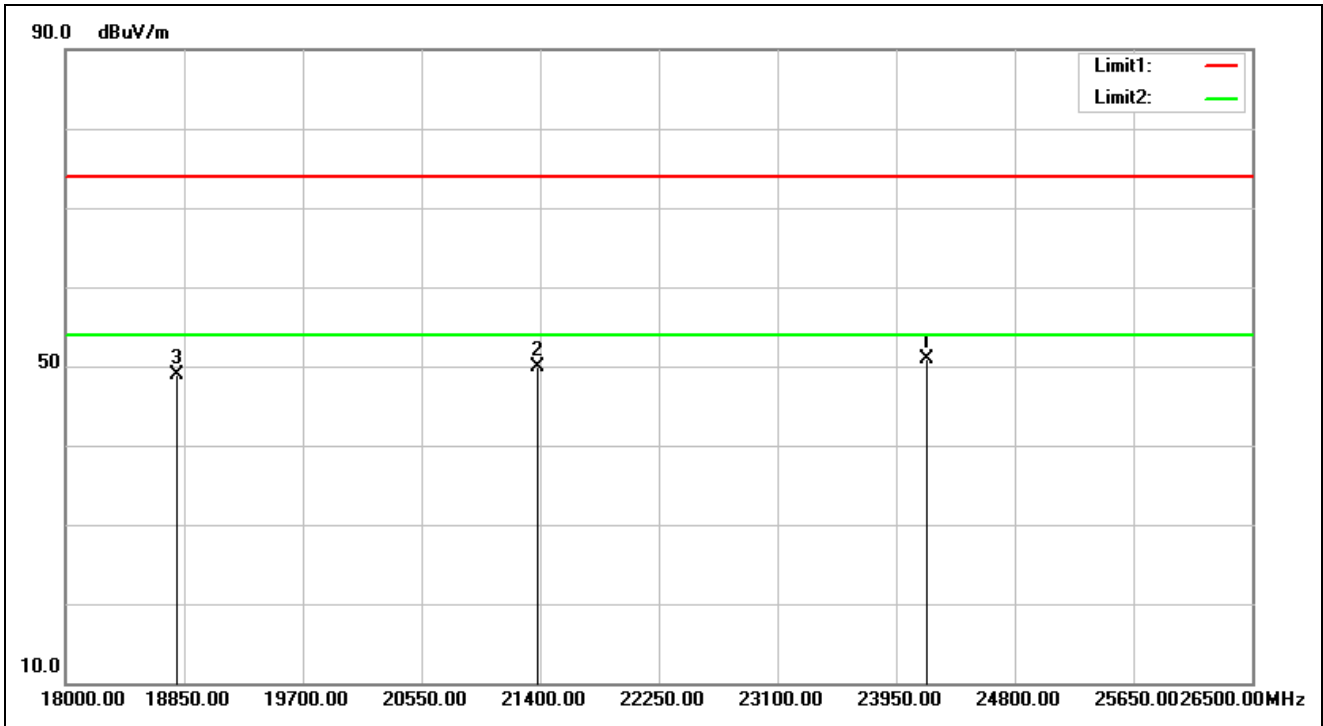
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:36:10</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>RX-2442</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	1714.000	-7.17	48.91	41.74	74.00	-32.26	peak	100	105	
2	3567.000	-3.39	49.95	46.56	74.00	-27.44	peak	100	100	
3	5675.000	4.71	45.60	50.31	74.00	-23.69	peak	100	213	

# Spurious Emissions, RX Mode, 18-26G



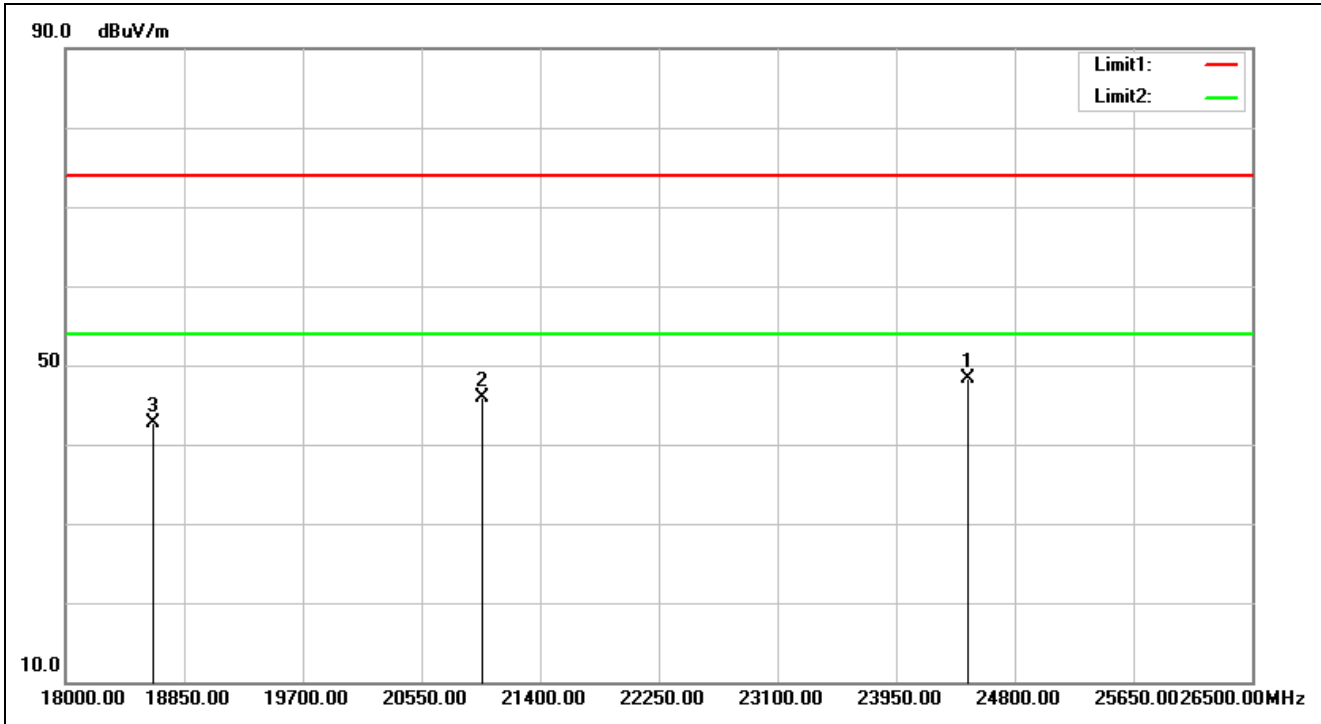
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<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:41:39</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>RX-2442</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	24171.000	33.10	17.79	50.89	74.00	-23.11	peak	100	189	
2	21383.000	33.07	16.77	49.84	74.00	-24.16	peak	100	203	
3	18799.000	29.98	19.01	48.99	74.00	-25.01	peak	100	81	





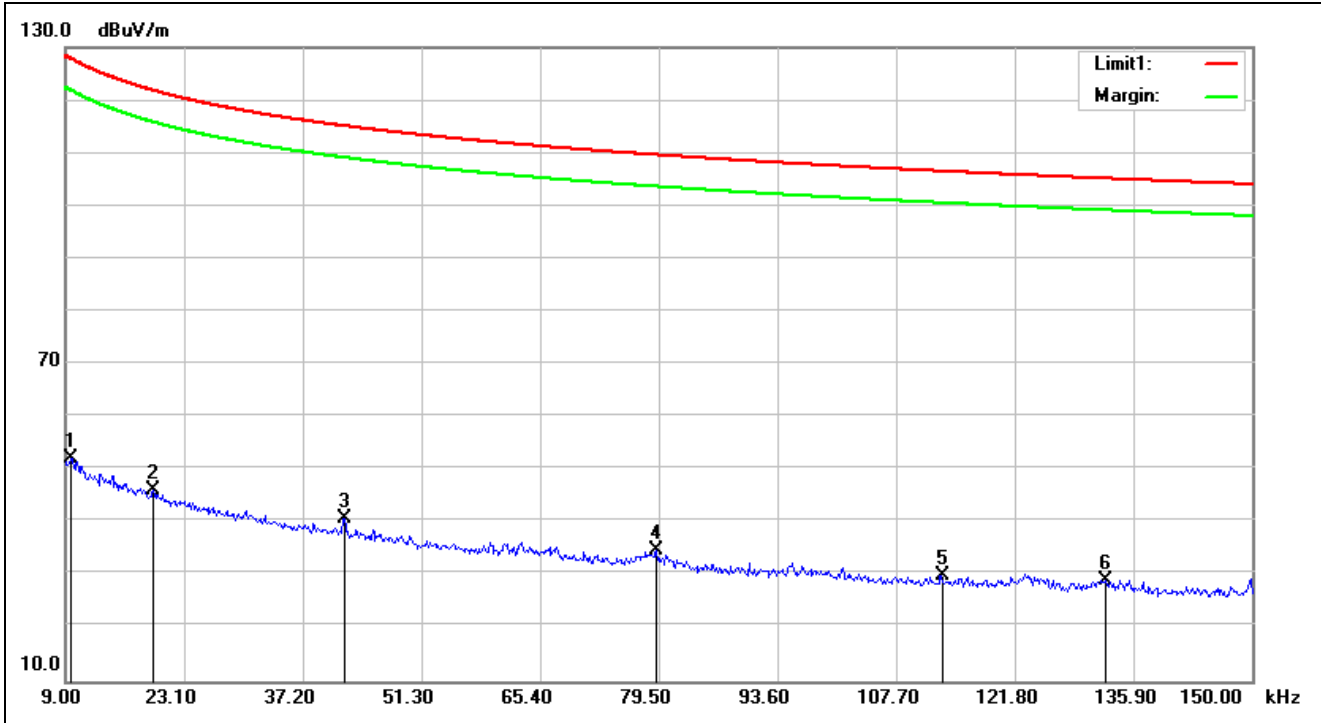
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Above 1G PEAK</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 21:42:42</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>RX-2442</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	24468.500	33.52	14.71	48.23	74.00	-25.77	peak	100	343	
2	20983.500	32.49	13.43	45.92	74.00	-28.08	peak	100	191	
3	18629.000	29.70	13.10	42.80	74.00	-31.20	peak	100	89	

# Spurious Emissions, RX Mode, 9K-1G



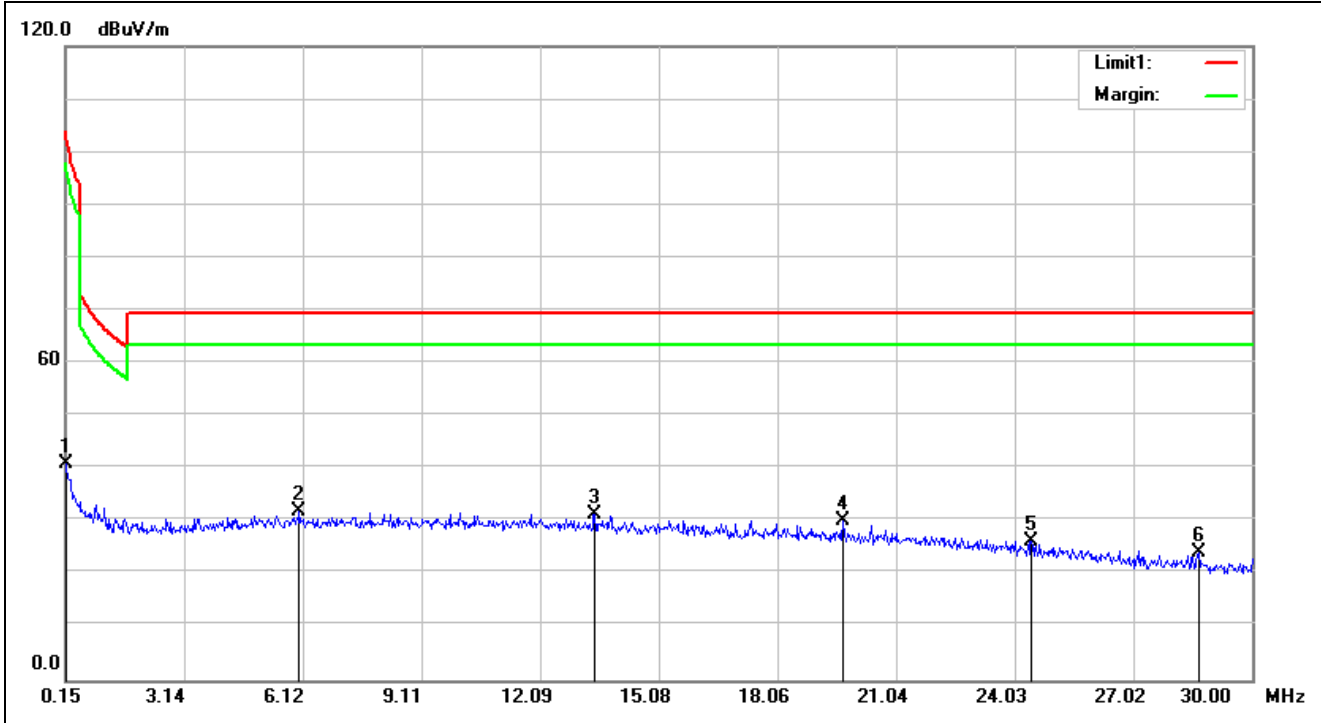
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<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC15.209_9k-1G_3m</b>	<b>Ant. Polarization:</b>	
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 18:38:57</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>RX-2442</b>		
<b>Remark:</b>			

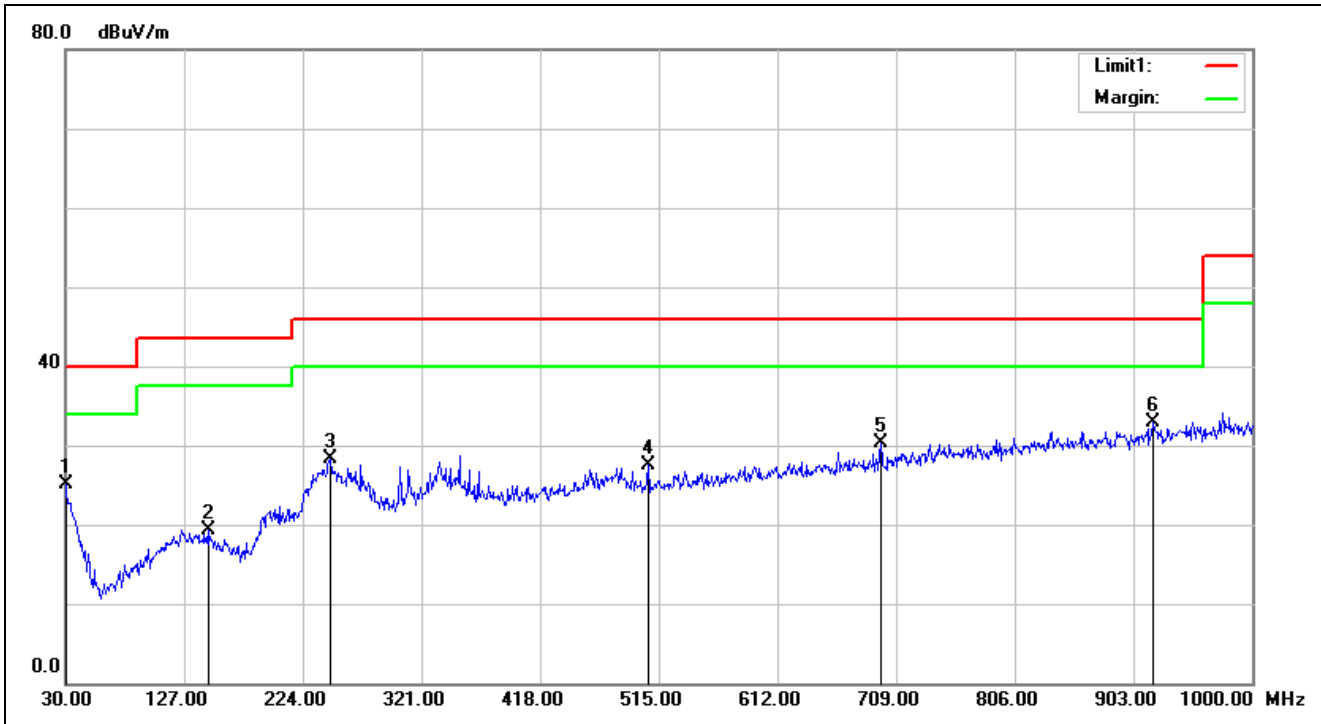
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0096	19.77	32.33	52.10	127.94	-75.84	QP	100	41	
2	0.0194	20.02	26.14	46.16	121.83	-75.67	QP	100	57	
3	0.0421	19.71	21.09	40.80	115.11	-74.31	QP	100	214	
4	0.0792	19.25	15.51	34.76	109.62	-74.86	QP	100	184	
5	0.1131	19.12	10.81	29.93	106.53	-76.60	QP	100	209	
6	0.1325	19.10	10.04	29.14	105.15	-76.01	QP	100	179	

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



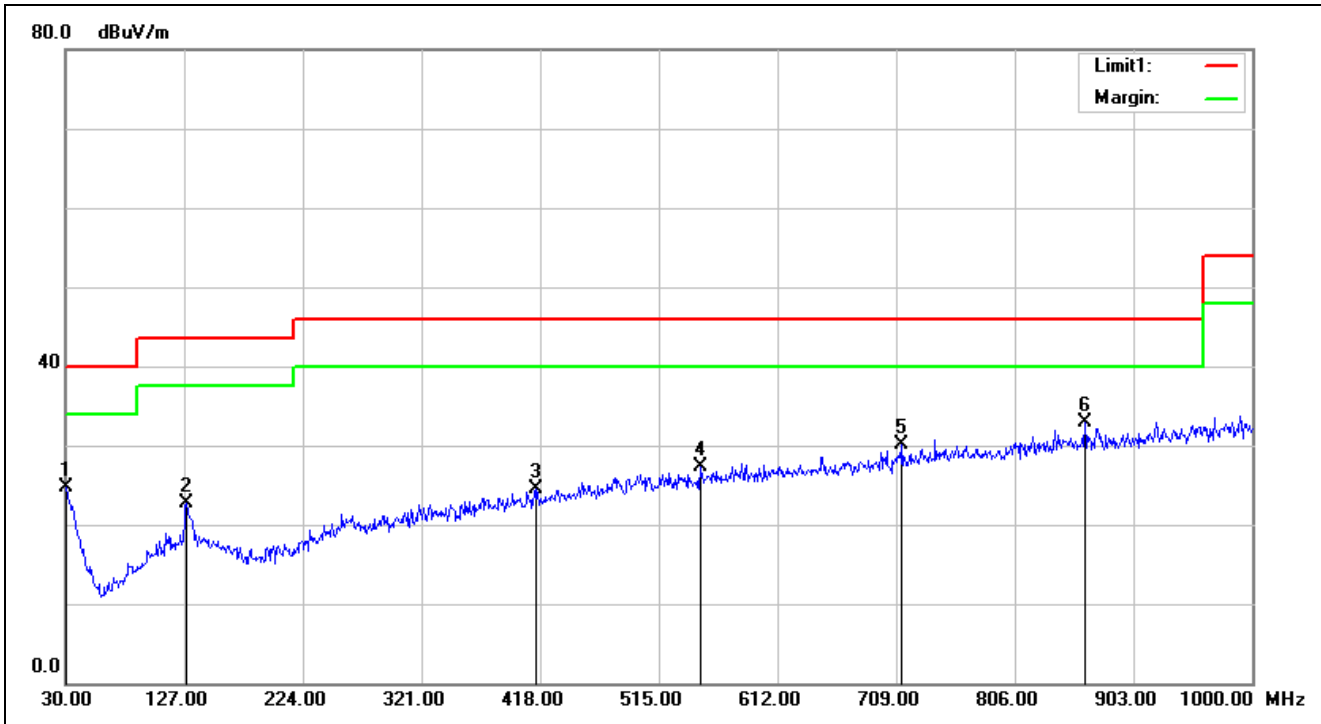
<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC15.209_9k-1G_3m</b>	<b>Ant. Polarization:</b>	
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 18:40:55</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>RX-2442</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	0.1500	19.08	21.92	41.00	104.08	-63.08	QP	100	307	
2	6.0305	19.85	12.25	32.10	69.50	-37.40	QP	100	30	
3	13.4333	20.82	10.52	31.34	69.50	-38.16	QP	100	310	
4	19.7018	21.93	8.15	30.08	69.50	-39.42	QP	100	184	
5	24.4479	22.28	3.85	26.13	69.50	-43.37	QP	100	328	
6	28.6568	22.56	1.49	24.05	69.50	-45.45	QP	100	83	



<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Class B 3M Radiation</b>	<b>Ant. Polarization:</b>	<b>Horizontal</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 18:25:39</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>RX-2442</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	30.0000	-0.08	25.16	25.08	40.00	-14.92	QP	400	253	
2	146.4000	-7.33	26.67	19.34	43.50	-24.16	QP	300	303	
3	246.3100	-6.12	34.47	28.35	46.00	-17.65	QP	300	354	
4	506.2700	-1.23	28.74	27.51	46.00	-18.49	QP	200	282	
5	696.3900	1.04	29.24	30.28	46.00	-15.72	QP	200	122	
6	919.4900	4.64	28.25	32.89	46.00	-13.11	QP	100	285	



<b>Service No.:</b>	<b>114066822(B219MR, 26503A, 26504A)</b>	<b>Test Distance:</b>	<b>3m</b>
<b>Test Standard:</b>	<b>FCC Class B 3M Radiation</b>	<b>Ant. Polarization:</b>	<b>Vertical</b>
<b>Test item:</b>	<b>Radiation Emission</b>	<b>Test Time:</b>	<b>2017/7/17 18:30:42</b>
<b>Applicant:</b>	<b>Areson</b>	<b>Test Rating:</b>	<b>DC 3V</b>
<b>Product:</b>	<b>2.4GHz Wireless Mouse</b>	<b>Temp.(°C)/Hum.(%):</b>	<b>23.1(°C)/54%</b>
<b>Model No.:</b>	<b>B219MR, 26503A, 26504A</b>	<b>Test Engineer:</b>	<b>Kai Wang</b>
<b>Test Mode:</b>	<b>RX-2442</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	30.0000	-0.08	24.85	24.77	40.00	-15.23	QP	100	307	
2	128.9400	-7.07	29.75	22.68	43.50	-20.82	QP	100	54	
3	414.1200	-2.35	26.84	24.49	46.00	-21.51	QP	100	121	
4	548.9500	-0.79	28.05	27.26	46.00	-18.74	QP	200	158	
5	713.8500	1.44	28.65	30.09	46.00	-15.91	QP	200	35	
6	863.2300	3.84	29.13	32.97	46.00	-13.03	QP	300	214	