

Test Report No.50041604 001

Appendix D: Radiated Emission Data

(File: 50041604AppendixD)

Contents

Radiated Emissions, Fundamental and Band Edges	2
Spurious Emissions, TX Mode, 1-18G.....	12
Spurious Emissions, TX Mode, 18-26G.....	27
Spurious Emissions, TX Mode, 30M-1G	33
Spurious Emissions, RX Mode, 1-18G	35
Spurious Emissions, RX Mode, 18-26G	37
Spurious Emissions, RX Mode, 30M-1G.....	39
Radiated Emissions, Fundamental and Band Edges (Second Source).....	41
Spurious Emissions, TX Mode, 1-18G (Second Source).....	51
Spurious Emissions, TX Mode, 18-26G (Second Source).....	57
Spurious Emissions, TX Mode, 30M-1G (Second Source).....	63
Spurious Emissions, RX Mode, 1G-18G (Second Source).....	65
Spurious Emissions, RX Mode, 18G-26G (Second Source).....	67
Spurious Emissions, RX Mode, 30M-1G (Second Source)	69

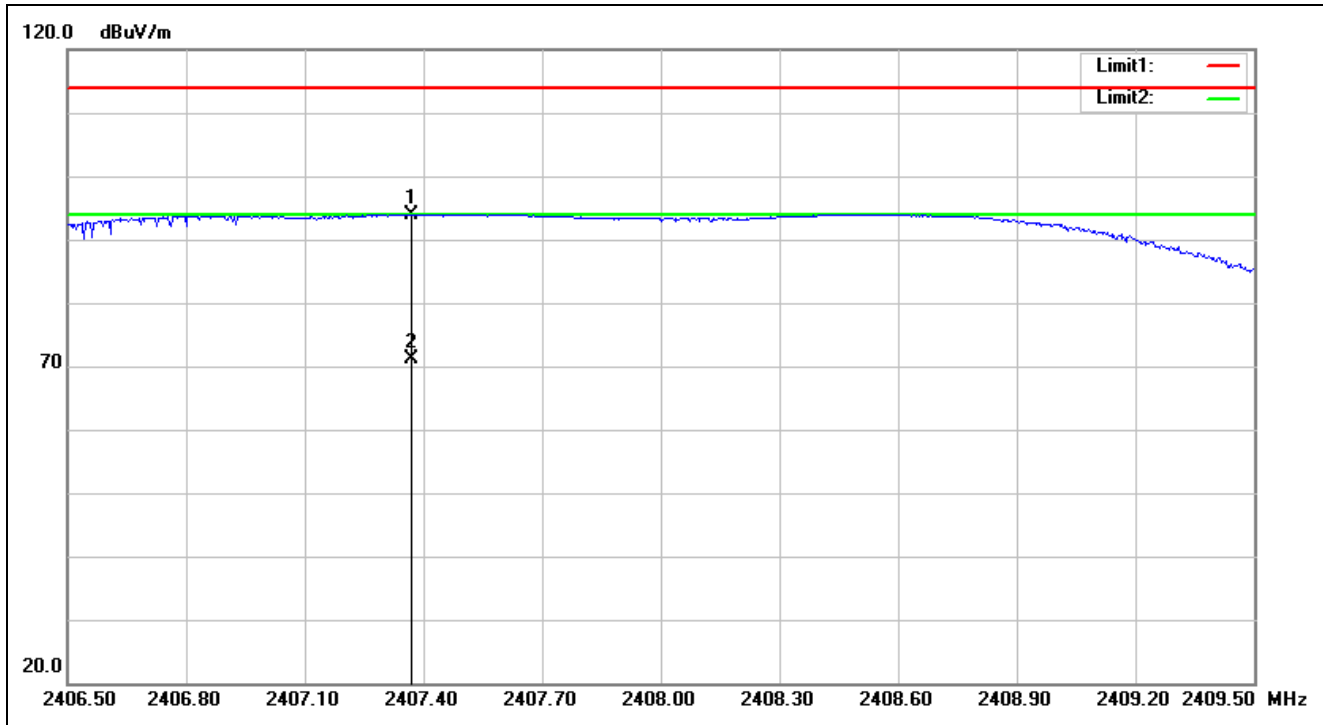
Radiated Emissions, Fundamental and Band Edges



TUV Taiwan

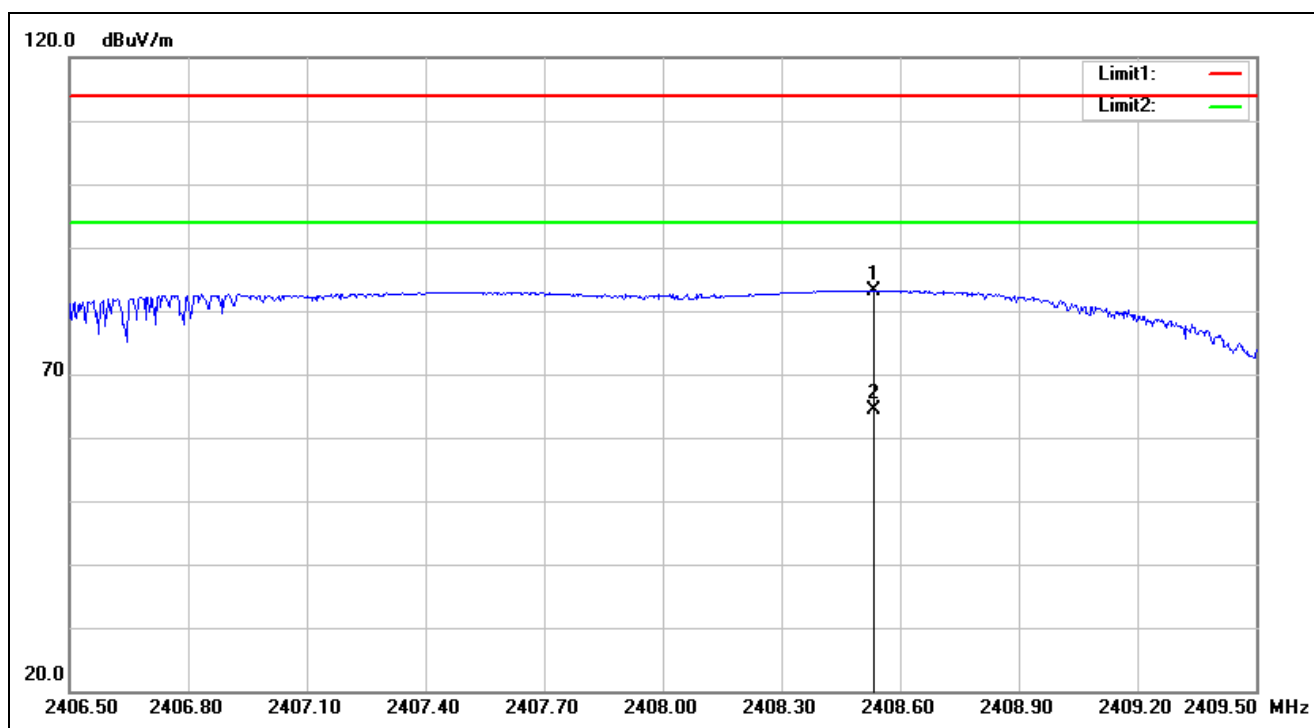
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



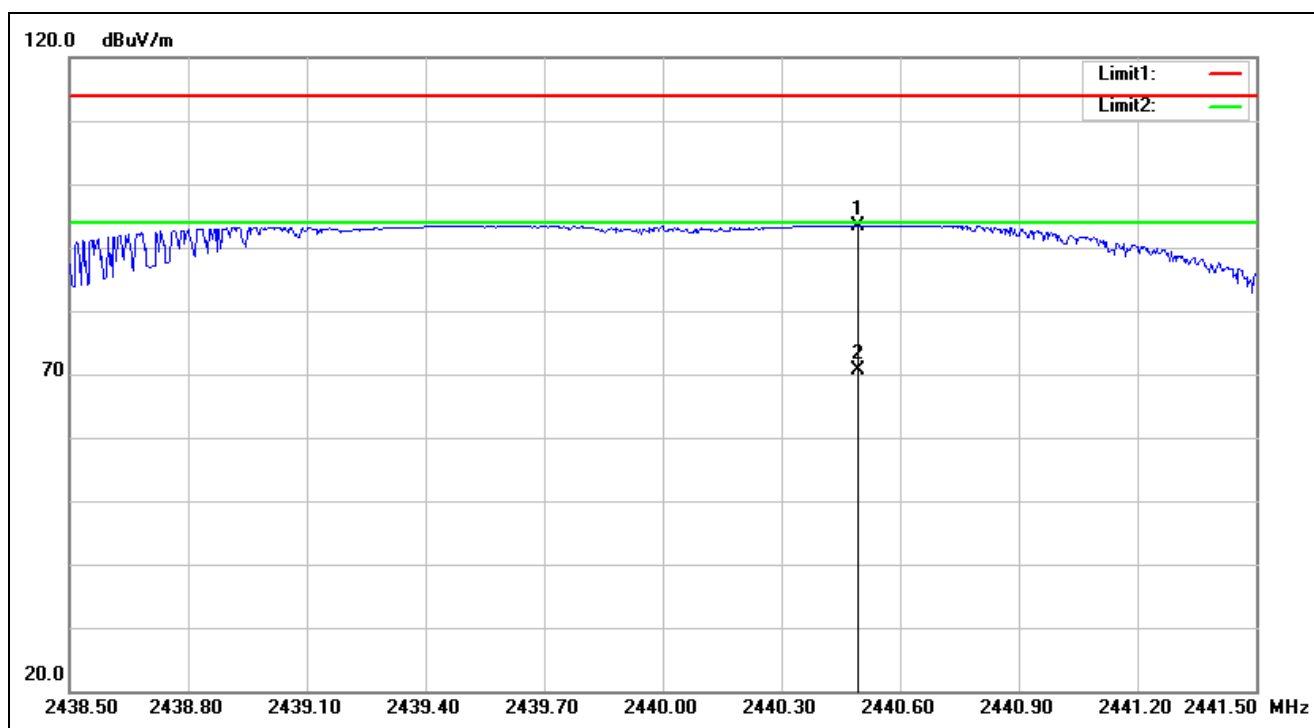
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 21:23:16
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2408-Fundamental		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2407.370	-7.72	101.57	93.85	114.00	-20.15	peak	215	161	
2	2407.370	-7.72	78.79	71.07	94.00	-22.93	AVG	215	161	



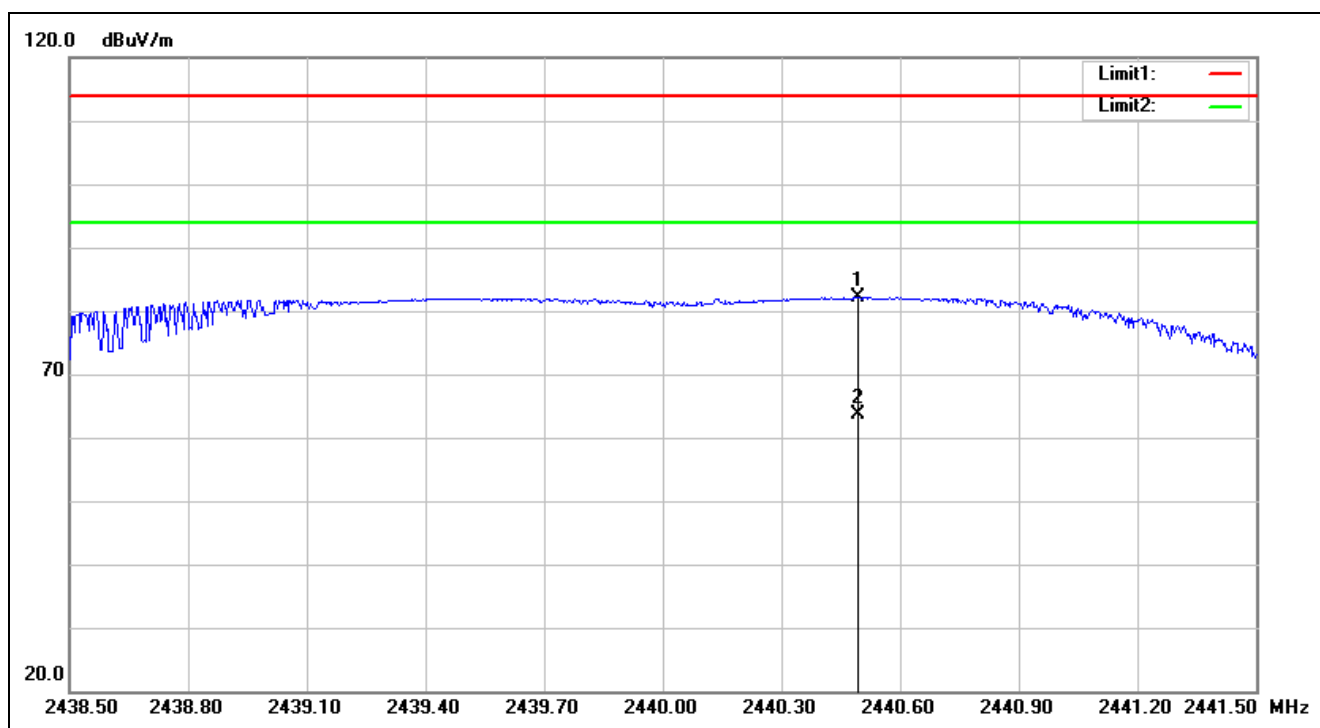
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 21:28:25
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2408-Fundamental		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2408.534	-7.72	90.88	83.16	114.00	-30.84	peak	292	0	
2	2408.534	-7.72	72.12	64.40	114.00	-49.60	peak	292	0	



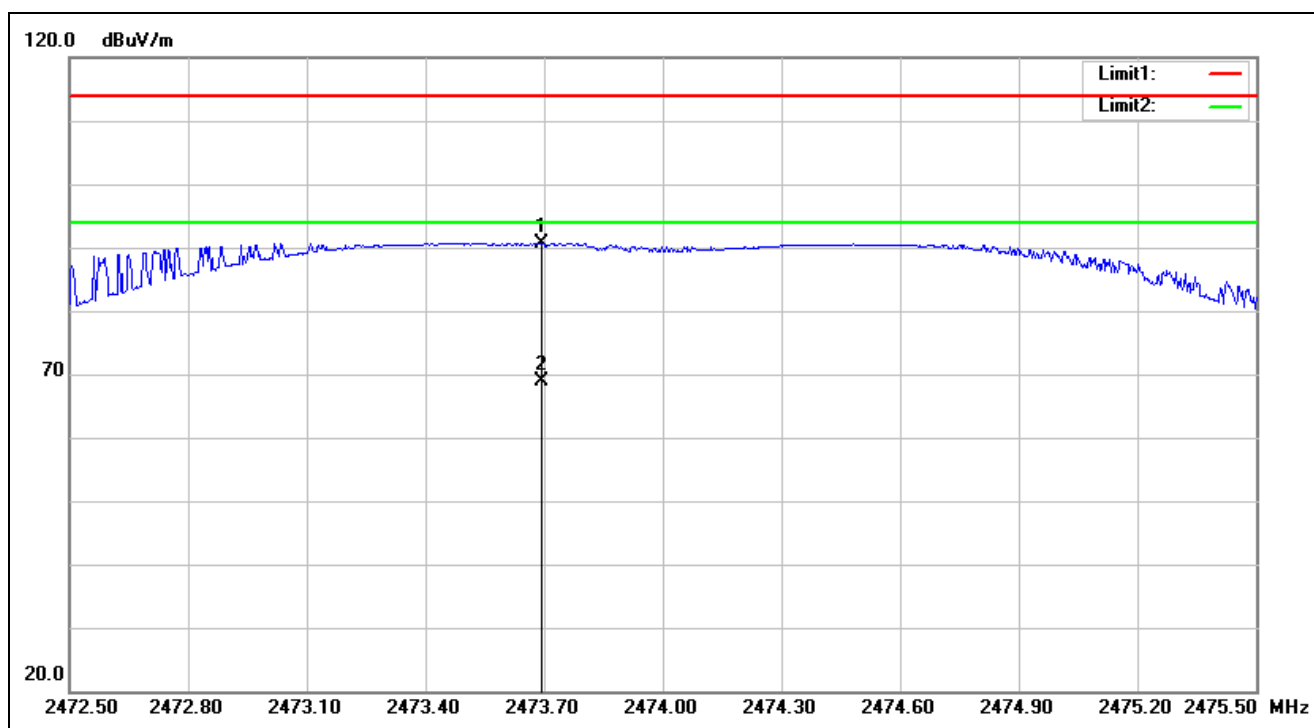
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 21:32:07
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2440-Fundamental		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2440.495	-7.68	101.16	93.48	114.00	-20.52	peak			
2	2440.495	-7.68	78.38	70.70	94.00	-23.30	AVG			



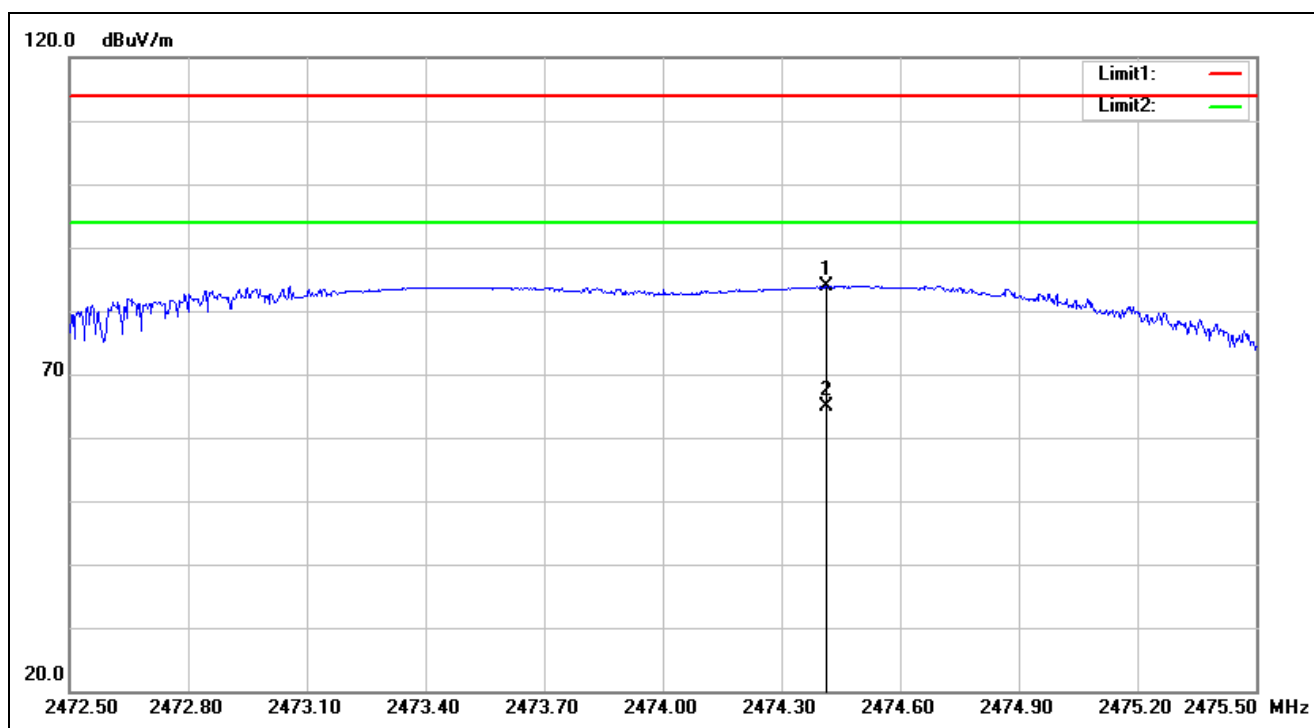
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 21:30:18
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2440-Fundamental		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2440.492	-7.68	89.76	82.08	114.00	-31.92	peak			
2	2440.492	-7.68	71.36	63.68	114.00	-50.32	peak			



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 21:33:20
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2474-Fundamental		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2473.694	-7.66	98.30	90.64	114.00	-23.36	peak			
2	2473.694	-7.66	76.55	68.89	94.00	-25.11	AVG			



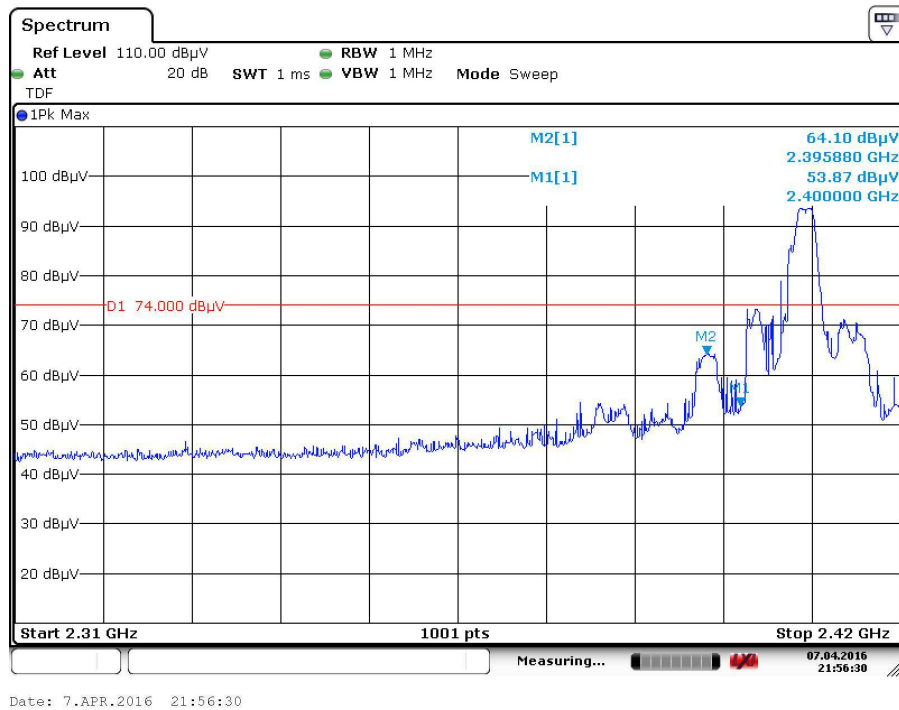
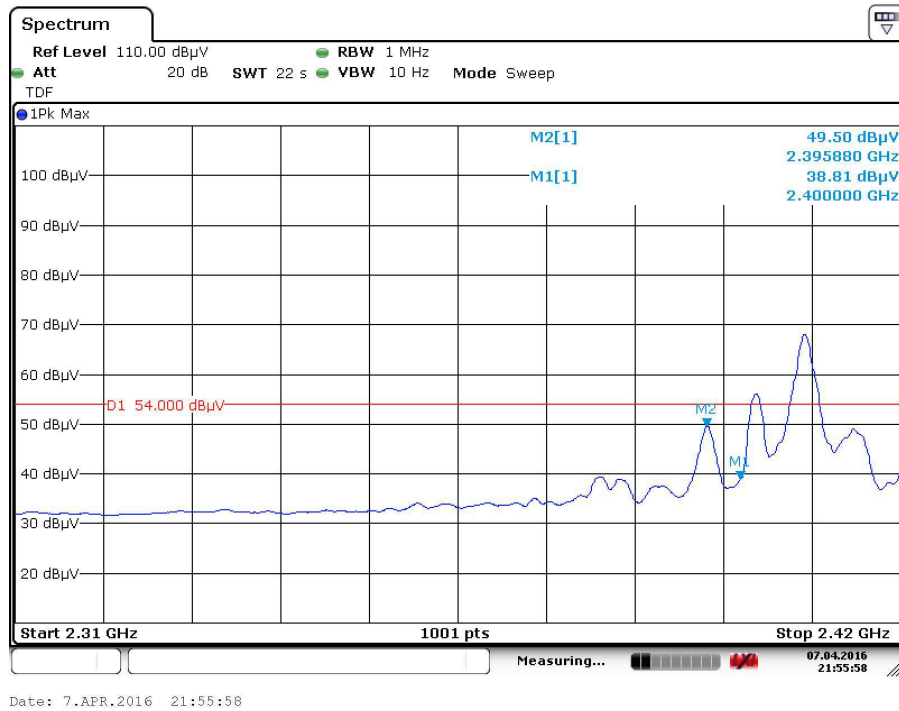
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 21:36:16
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2474-Fundamental		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2474.414	-7.66	91.49	83.83	114.00	-30.17	peak			
2	2474.414	-7.66	72.45	64.79	114.00	-49.21	peak			

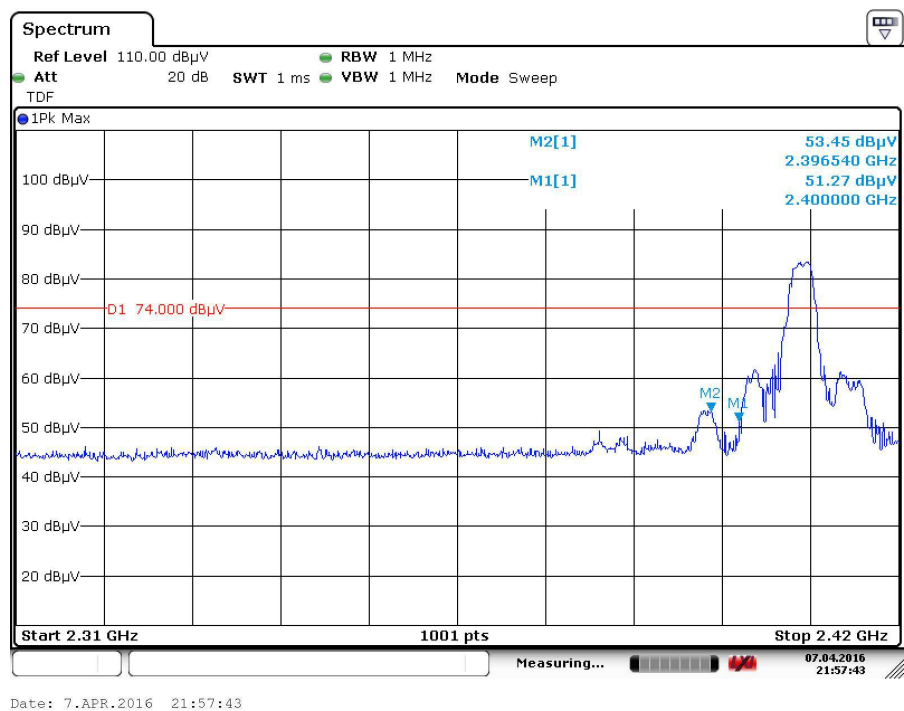
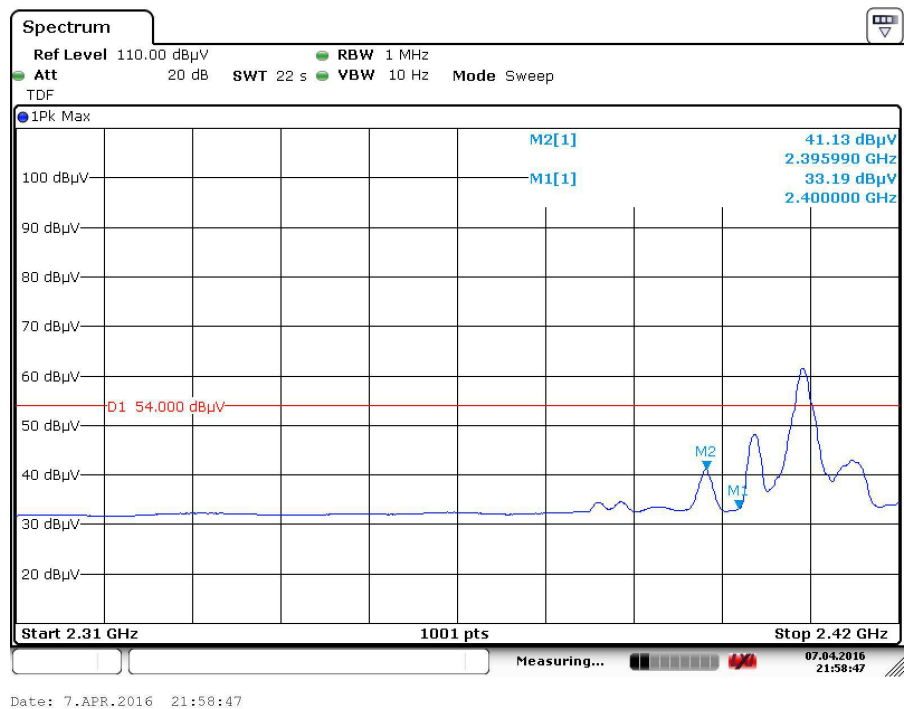
Radiated Bandedge

Radiated Emissions, Fundamental and Band Edges

Low Channel (Hor)

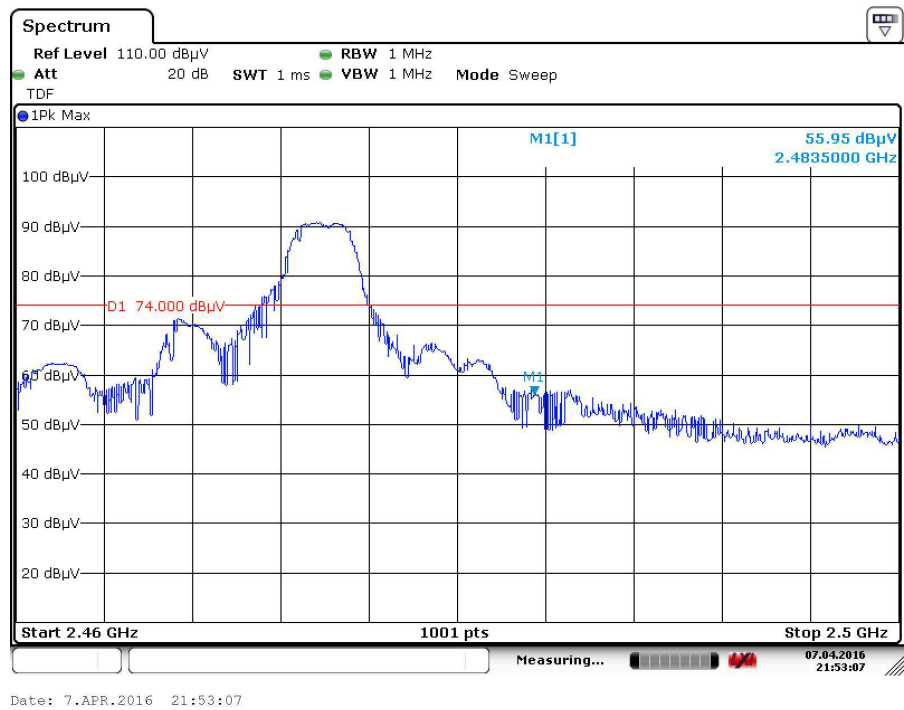
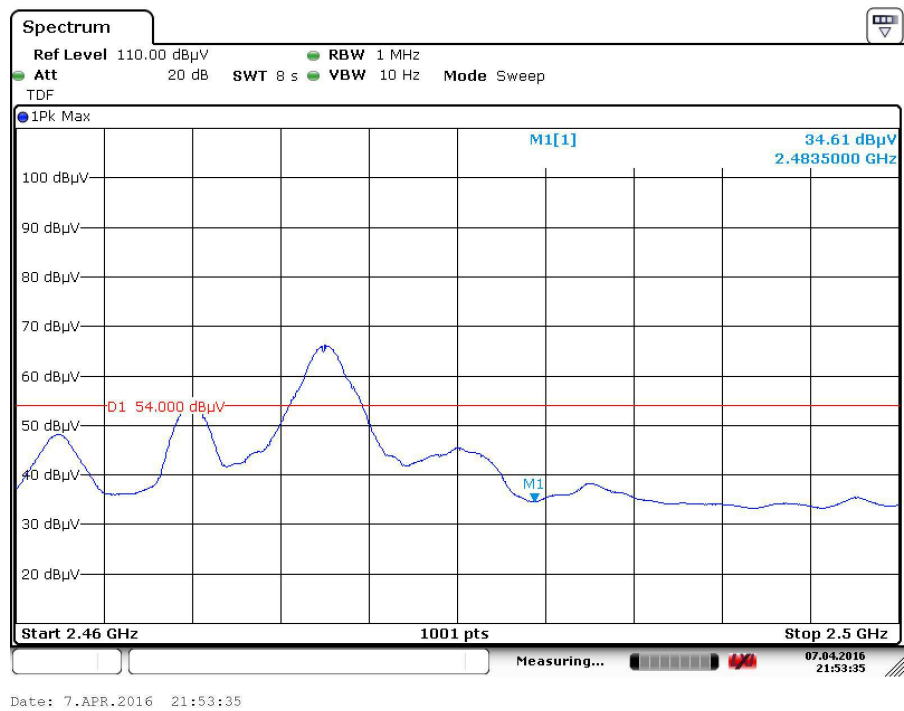


Low Channel (Ver)

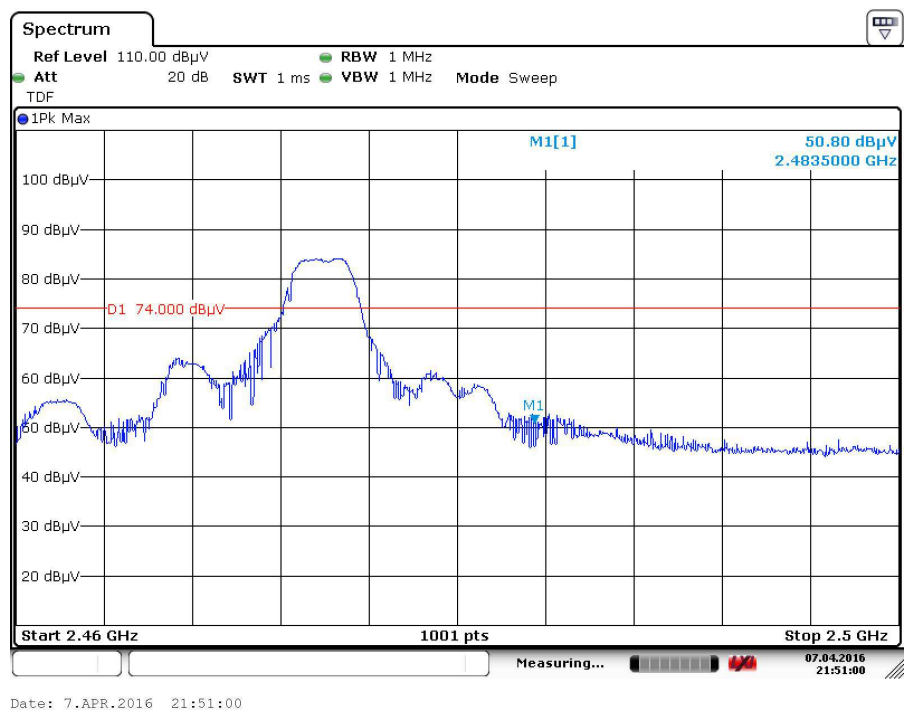
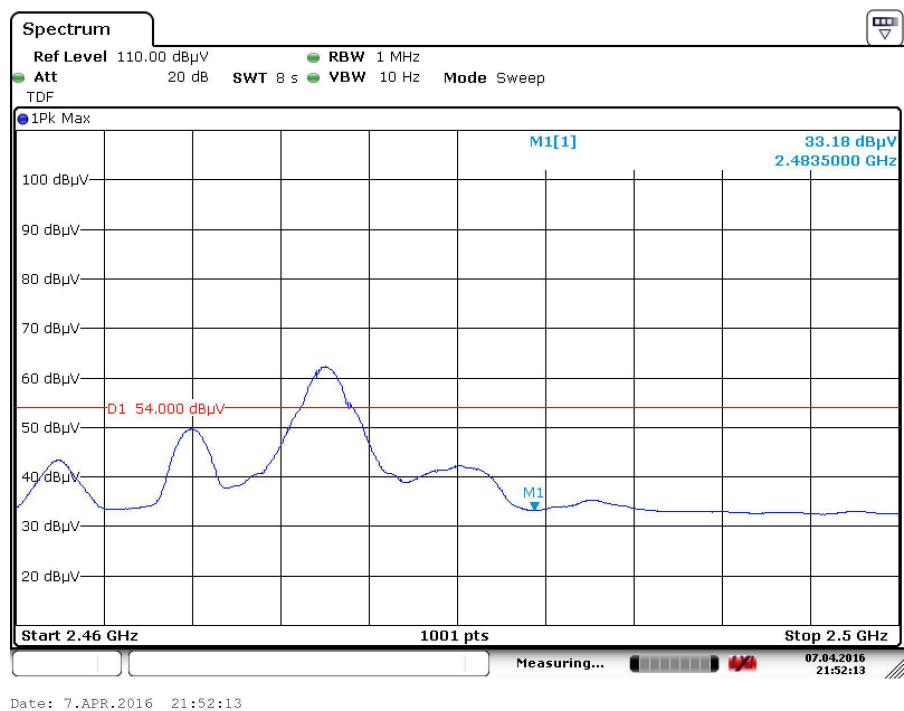


Radiated Bandedge (GFSK)

High Channel (Hor)



High Channel (Ver)



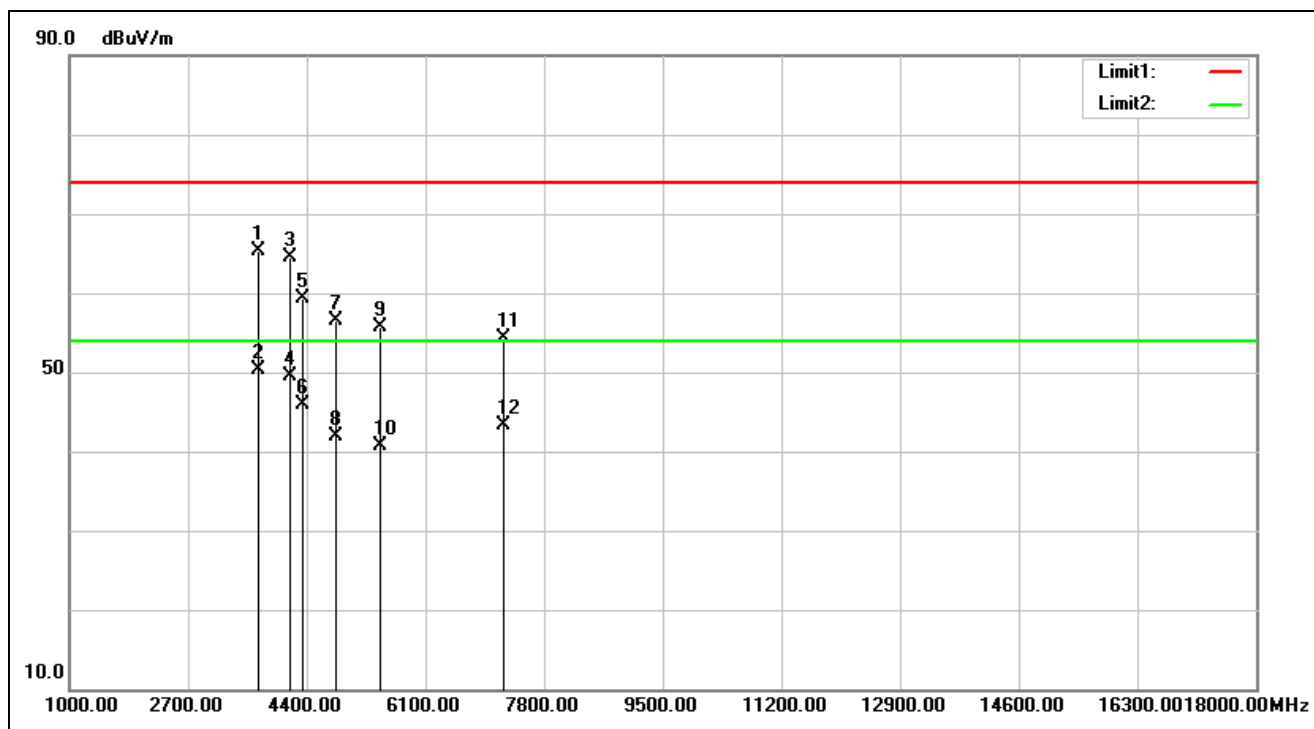
Spurious Emissions, TX Mode, 1-18G



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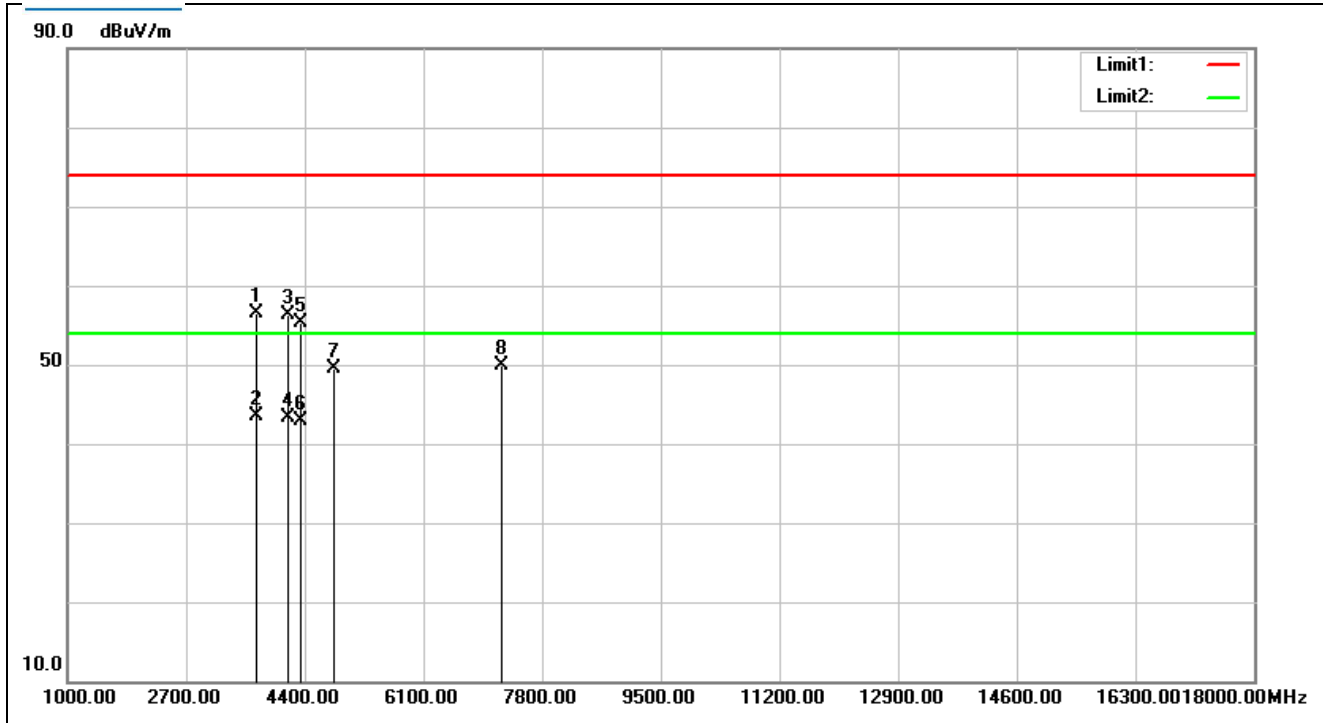
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Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 20:02:08
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2408-TX		
Remark:			

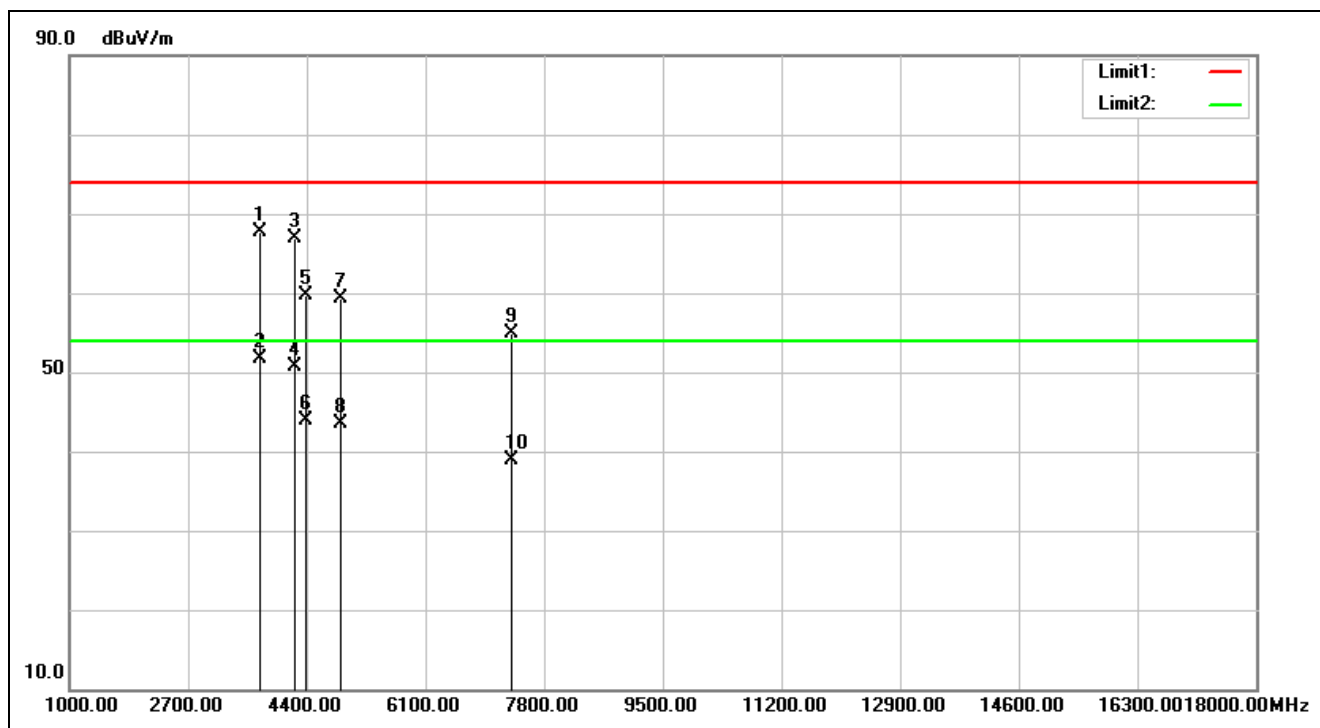
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3703.000	-5.89	71.20	65.31	74.00	-8.69	peak		0	
2	3703.000	-5.89	56.22	50.33	54.00	-3.67	AVG		0	
3	4162.000	-4.76	69.17	64.41	74.00	-9.59	peak		0	
4	4162.000	-4.76	54.23	49.47	54.00	-4.53	AVG		0	
5	4349.000	-4.05	63.44	59.39	74.00	-14.61	peak		0	

6	4349.000	-4.05	50.03	45.98	54.00	-8.02	AVG		0	
7	4816.000	-3.07	59.51	56.44	74.00	-17.56	peak	100	183	
8	4816.000	-3.07	45.04	41.97	54.00	-12.03	AVG	100	183	
9	5454.000	-0.45	56.07	55.62	74.00	-18.38	peak		0	
10	5454.000	-0.45	41.14	40.69	54.00	-13.31	AVG		0	
11	7222.000	4.79	49.60	54.39	74.00	-19.61	peak	100	219	
12	7222.000	4.79	38.46	43.25	54.00	-10.75	AVG	100	219	



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 20:03:11
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2408-TX		
Remark:			

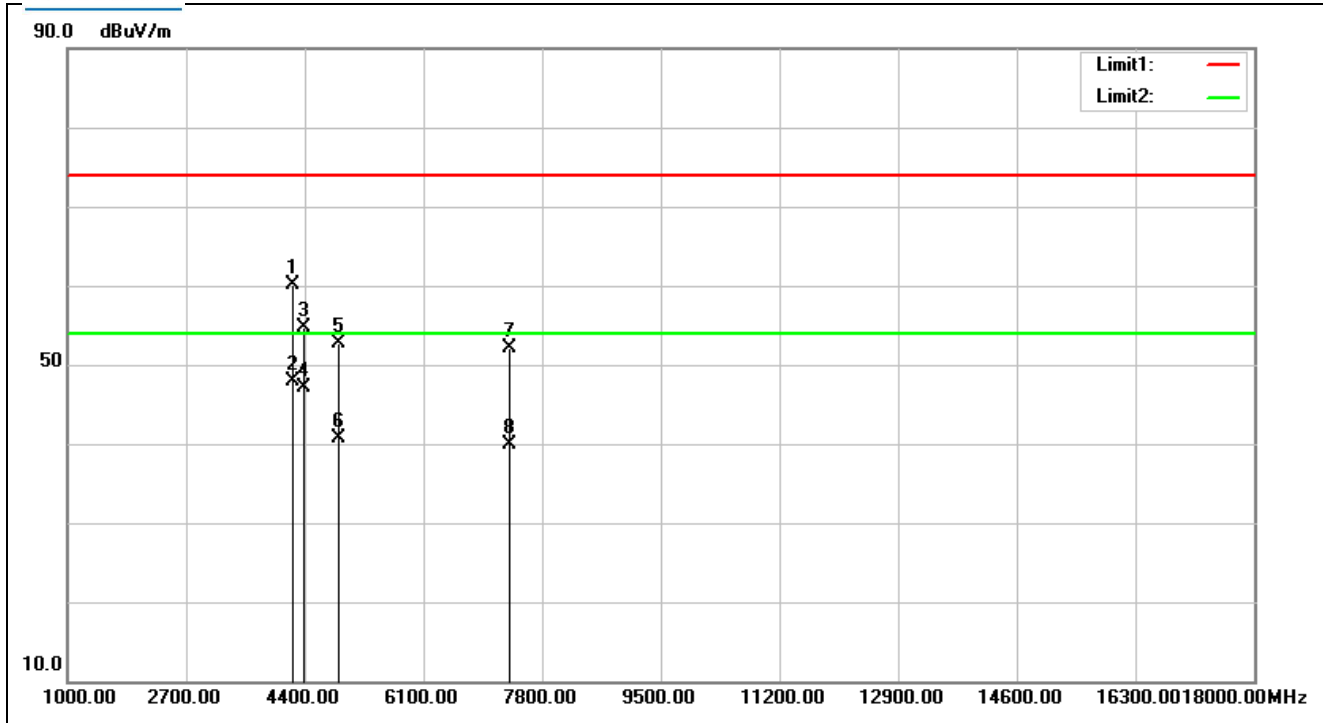
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3703.000	-5.89	62.32	56.43	74.00	-17.57	peak			
2	3703.000	-5.89	49.32	43.43	54.00	-10.57	AVG			
3	4162.000	-4.76	61.13	56.37	74.00	-17.63	peak			
4	4162.000	-4.76	48.15	43.39	54.00	-10.61	AVG			
5	4349.000	-4.05	59.45	55.40	74.00	-18.60	peak			
6	4349.000	-4.05	47.02	42.97	54.00	-11.03	AVG			
7	4816.000	-3.07	52.52	49.45	74.00	-24.55	peak	100	324	
8	7224.000	4.79	45.13	49.92	74.00	-24.08	peak			



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 20:13:07
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

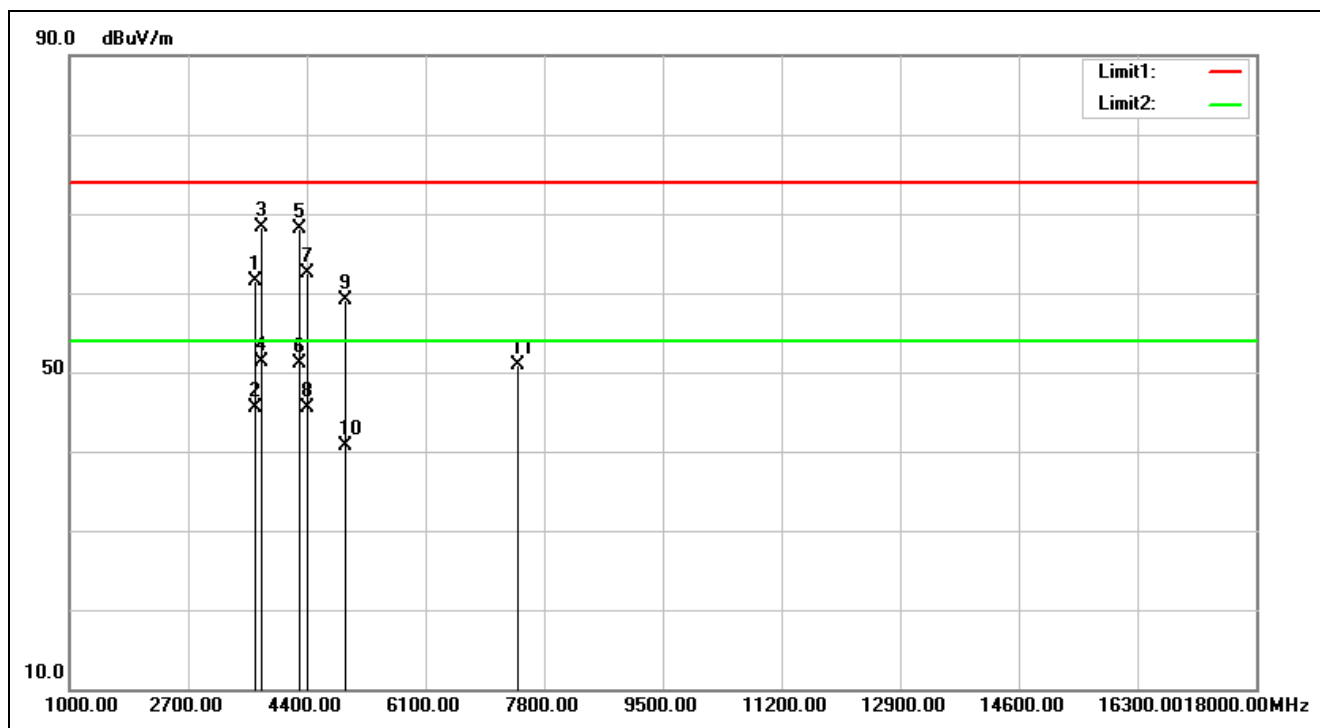
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3720.000	-5.86	73.49	67.63	74.00	-6.37	peak			
2	3720.000	-5.86	57.47	51.61	54.00	-2.39	AVG			
3	4230.000	-4.51	71.38	66.87	74.00	-7.13	peak			
4	4230.000	-4.51	55.22	50.71	54.00	-3.29	AVG			
5	4383.000	-3.93	63.65	59.72	74.00	-14.28	peak			
6	4383.000	-3.93	47.81	43.88	54.00	-10.12	AVG			
7	4880.000	-3.00	62.27	59.27	74.00	-14.73	peak	100	193	

8	4880.000	-3.00	46.53	43.53	54.00	-10.47	AVG	100	193	
9	7320.000	5.06	49.90	54.96	74.00	-19.04	peak	100	229	
10	7320.000	5.06	33.93	38.99	54.00	-15.01	AVG	100	229	



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 20:14:10
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	20.2(°C)/53%
Model No.:	Mouse	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	4230.000	-4.51	64.59	60.08	74.00	-13.92	peak			
2	4230.000	-4.51	52.51	48.00	54.00	-6.00	AVG			
3	4383.000	-3.93	58.73	54.80	74.00	-19.20	peak			
4	4383.000	-3.93	51.11	47.18	54.00	-6.82	AVG			
5	4880.000	-3.00	55.69	52.69	74.00	-21.31	peak	100	325	
6	4880.000	-3.00	43.71	40.71	54.00	-13.29	AVG	100	325	
7	7320.000	5.06	46.96	52.02	74.00	-21.98	peak	100	286	
8	7320.000	5.06	34.76	39.82	54.00	-14.18	AVG	100	286	



Service No.: 114048799-FCC

Test Distance: 3m

Test Standard: FCC Above 1G PEAK

Ant. Polarization: Horizontal

Test item: Radiation Emission

Test Time: 2016/4/7 20:48:10

Applicant: Acrox

Test Rating: DC 1.5V

Product: 2.4GHz mouse

Temp.(°C)/Hum.(%): 20.2(°C)/53%

Model No.: Mouse

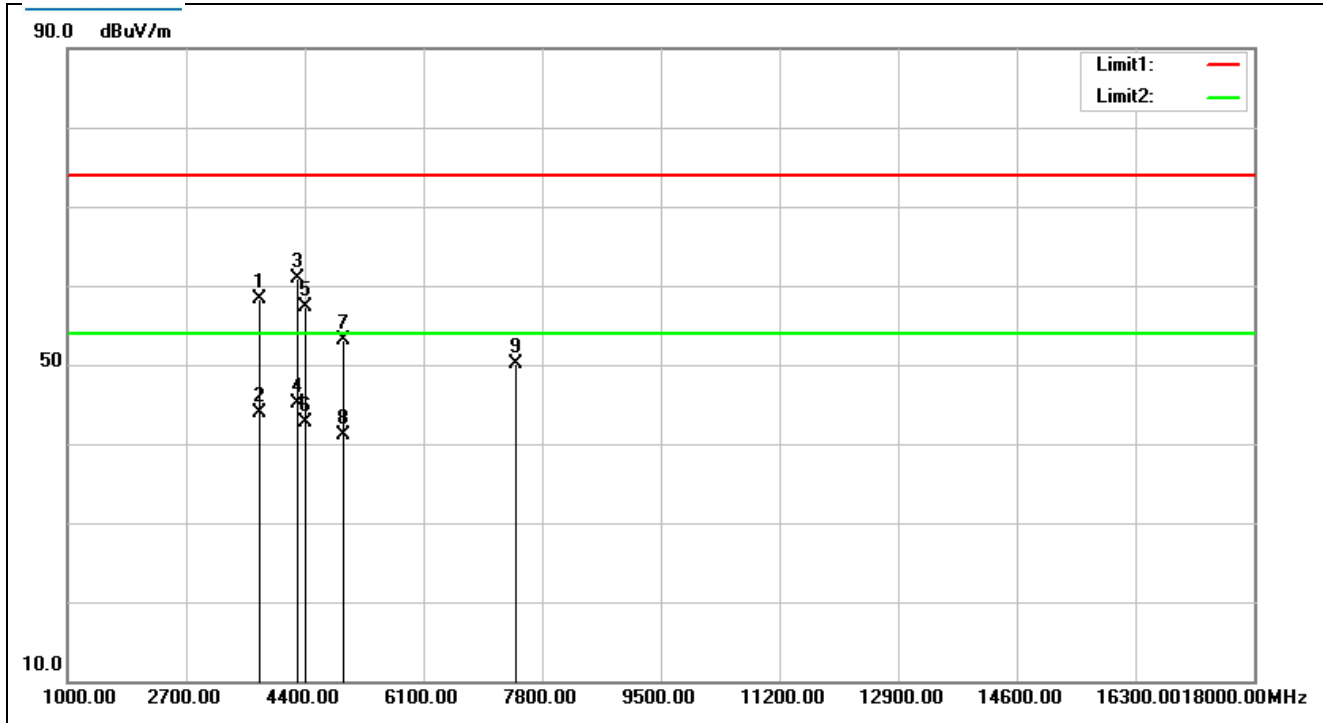
Test Engineer: George Yang

Test Mode: 2474-TX

Remark:

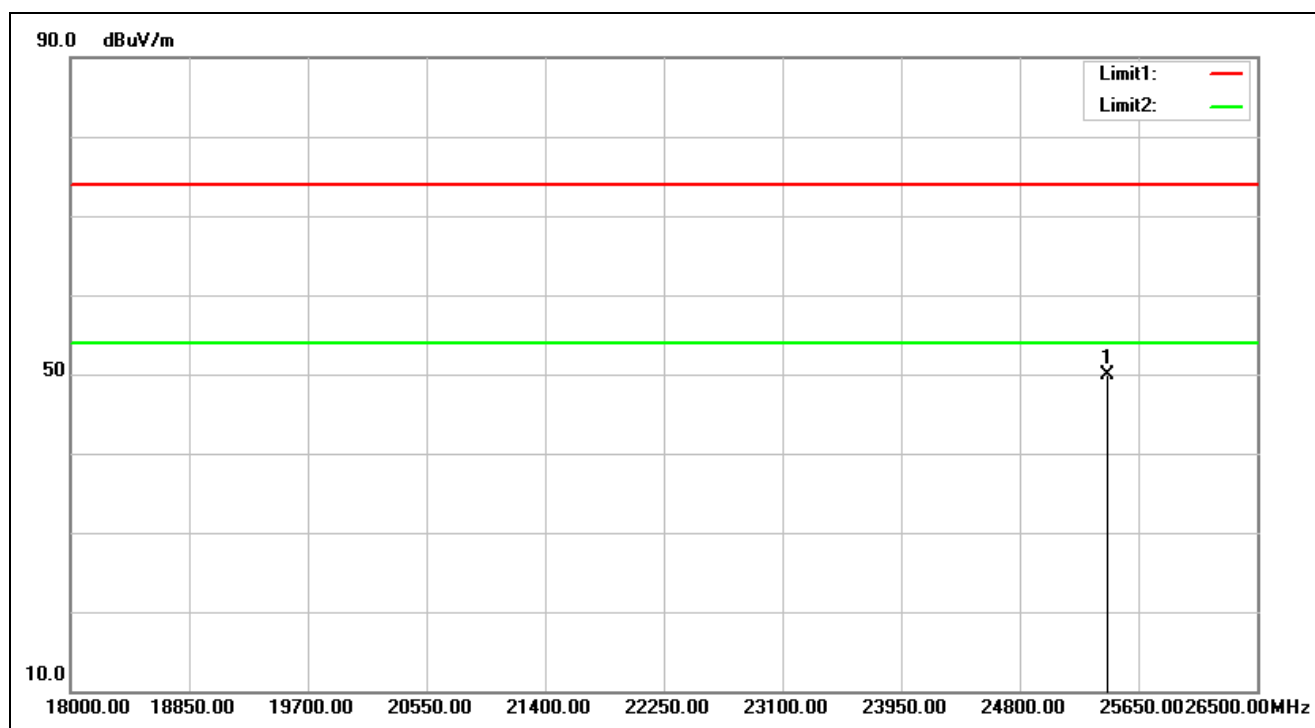
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3652.000	-5.42	66.97	61.55	74.00	-12.45	peak			
2	3652.000	-5.42	50.96	45.54	54.00	-8.46	AVG			
3	3754.000	-5.32	73.55	68.23	74.00	-5.77	peak			
4	3754.000	-5.32	56.61	51.29	54.00	-2.71	AVG			
5	4298.000	-3.85	72.03	68.18	74.00	-5.82	peak			
6	4298.000	-3.85	55.04	51.19	54.00	-2.81	AVG			
7	4400.000	-3.44	66.03	62.59	74.00	-11.41	peak			

8	4400.000	-3.44	49.04	45.60	54.00	-8.40	AVG			
9	4948.000	-1.92	61.02	59.10	74.00	-14.90	peak	100	185	
10	4948.000	-1.92	42.60	40.68	54.00	-13.32	AVG	100	185	
11	7422.000	6.40	44.47	50.87	74.00	-23.13	peak			



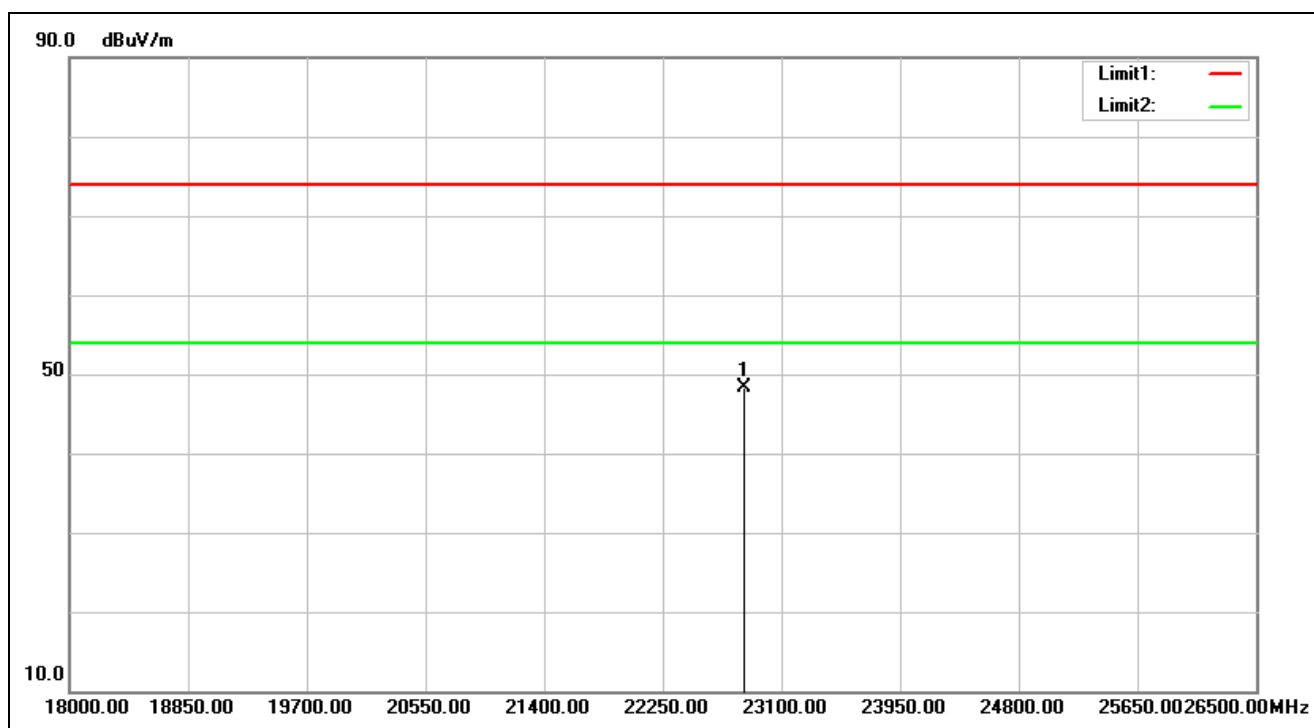
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 20:49:12
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2474-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3754.000	-5.32	63.62	58.30	74.00	-15.70	peak			
2	3754.000	-5.32	49.16	43.84	54.00	-10.16	AVG			
3	4301.000	-3.85	64.71	60.86	74.00	-13.14	peak	100	318	
4	4301.000	-3.85	49.03	45.18	54.00	-8.82	AVG	100	318	
5	4400.000	-3.44	60.70	57.26	74.00	-16.74	peak			
6	4400.000	-3.44	46.12	42.68	54.00	-11.32	AVG			
7	4948.000	-1.92	54.98	53.06	74.00	-20.94	peak	100	335	
8	4948.000	-1.92	42.93	41.01	54.00	-12.99	AVG	100	335	
9	7422.000	6.40	43.65	50.05	74.00	-23.95	peak			



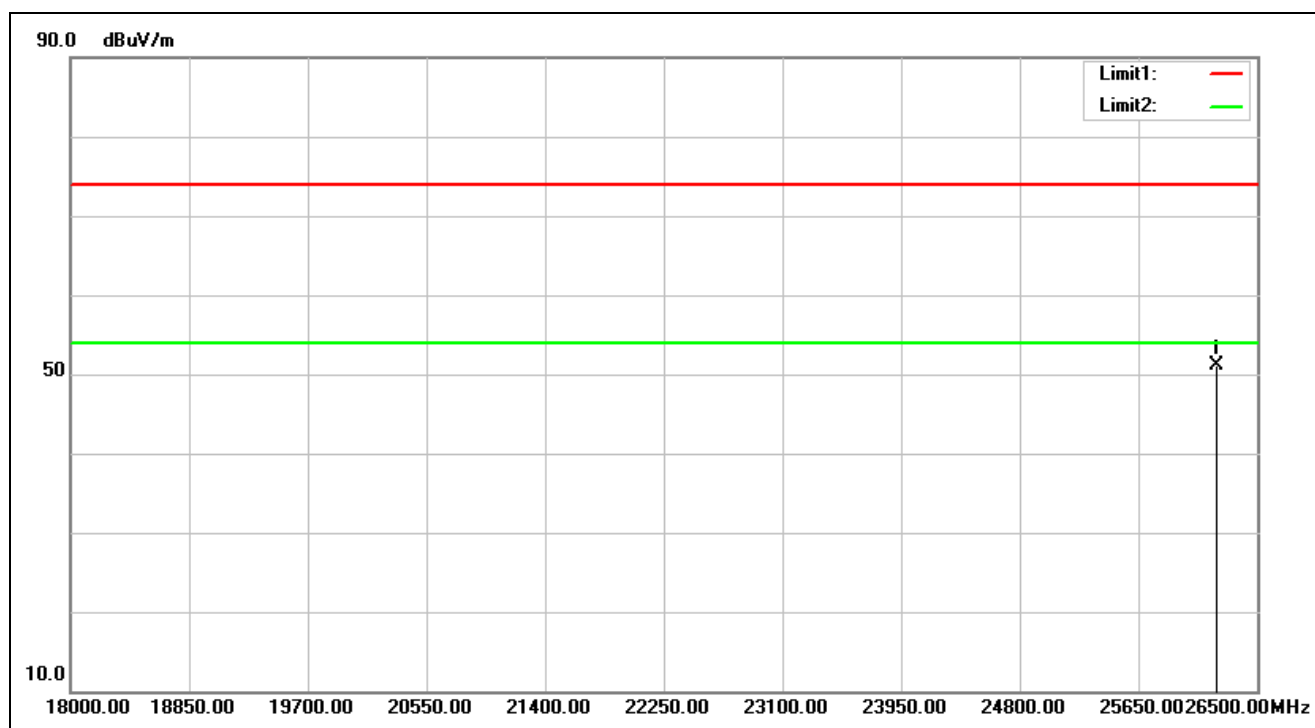
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 22:19:02
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2408-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25429.000	31.71	18.15	49.86	74.00	-24.14	peak		0	



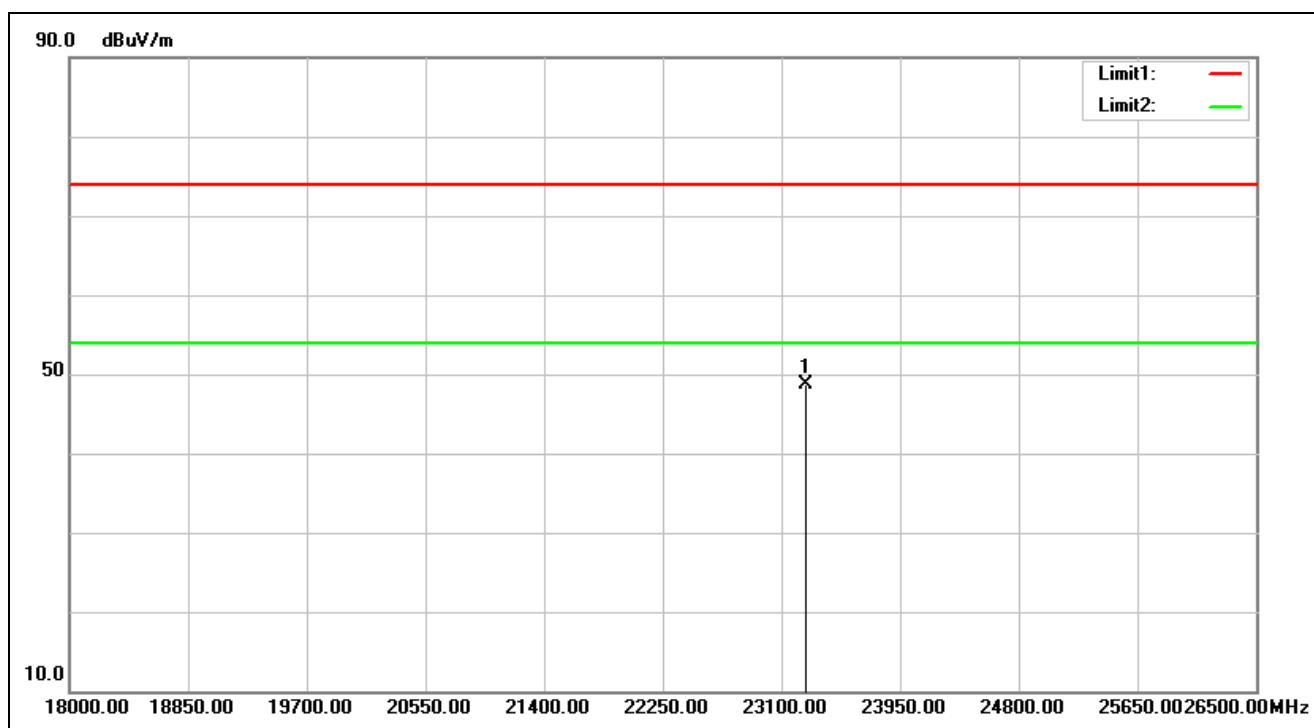
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 22:19:15
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2408-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22836.500	30.24	18.01	48.25	74.00	-25.75	peak			



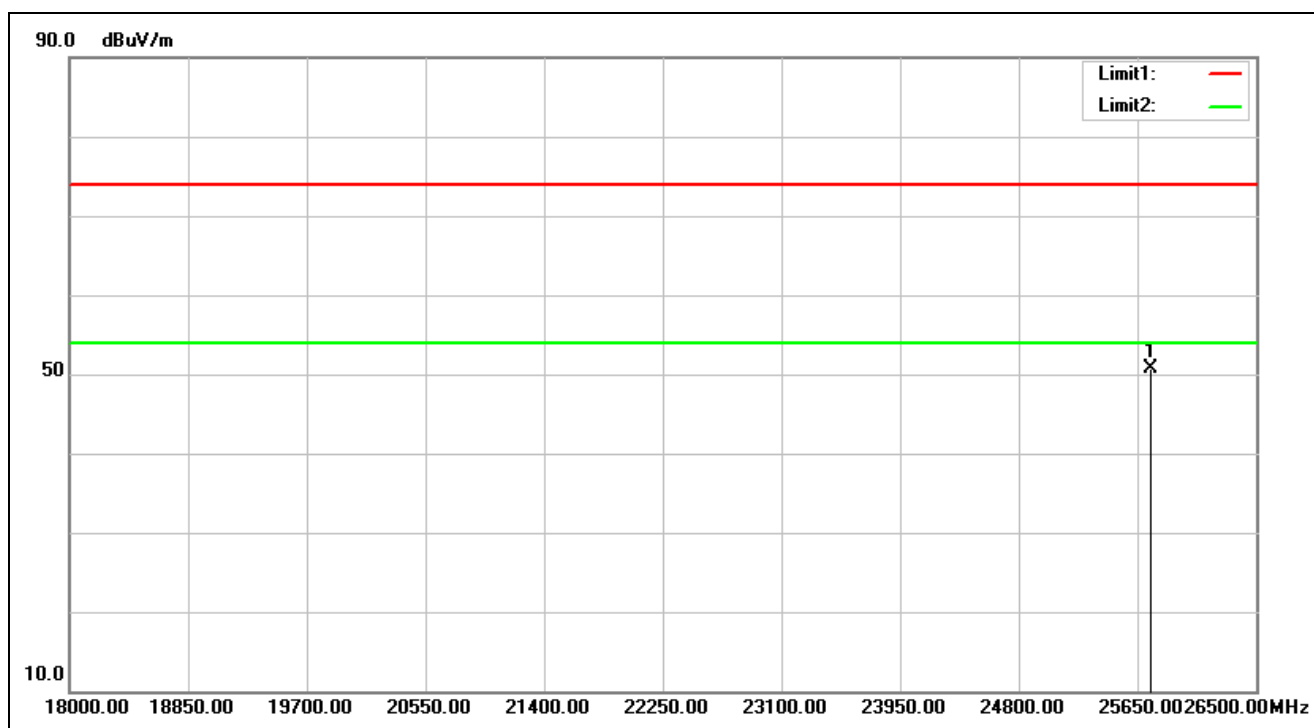
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 22:19:33
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
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	26211.000	32.03	19.15	51.18	74.00	-22.82	peak			



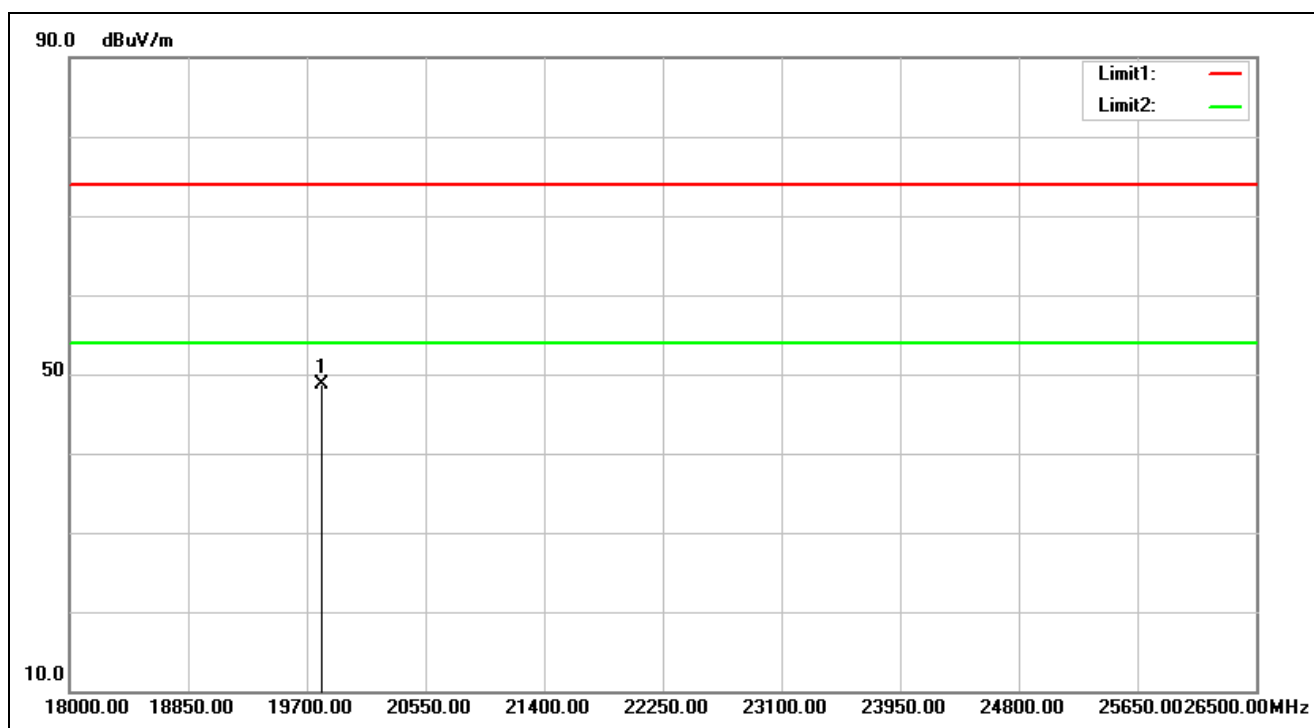
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 22:19:41
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test 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	23278.500	30.23	18.43	48.66	74.00	-25.34	peak			



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 22:20:00
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2474-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25743.500	32.12	18.51	50.63	74.00	-23.37	peak			



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 22:20:09
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2474-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19802.000	29.55	19.12	48.67	74.00	-25.33	peak			

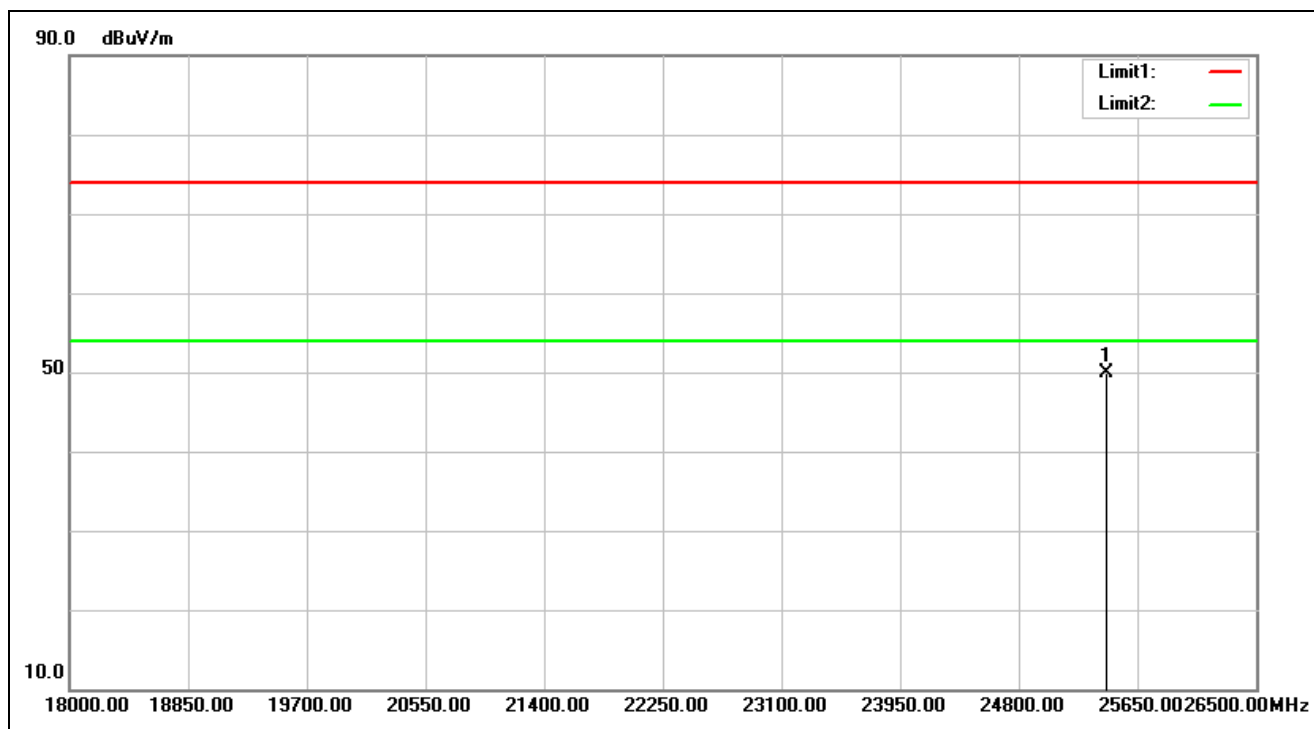
Spurious Emissions, TX Mode, 18-26G



TUV Taiwan

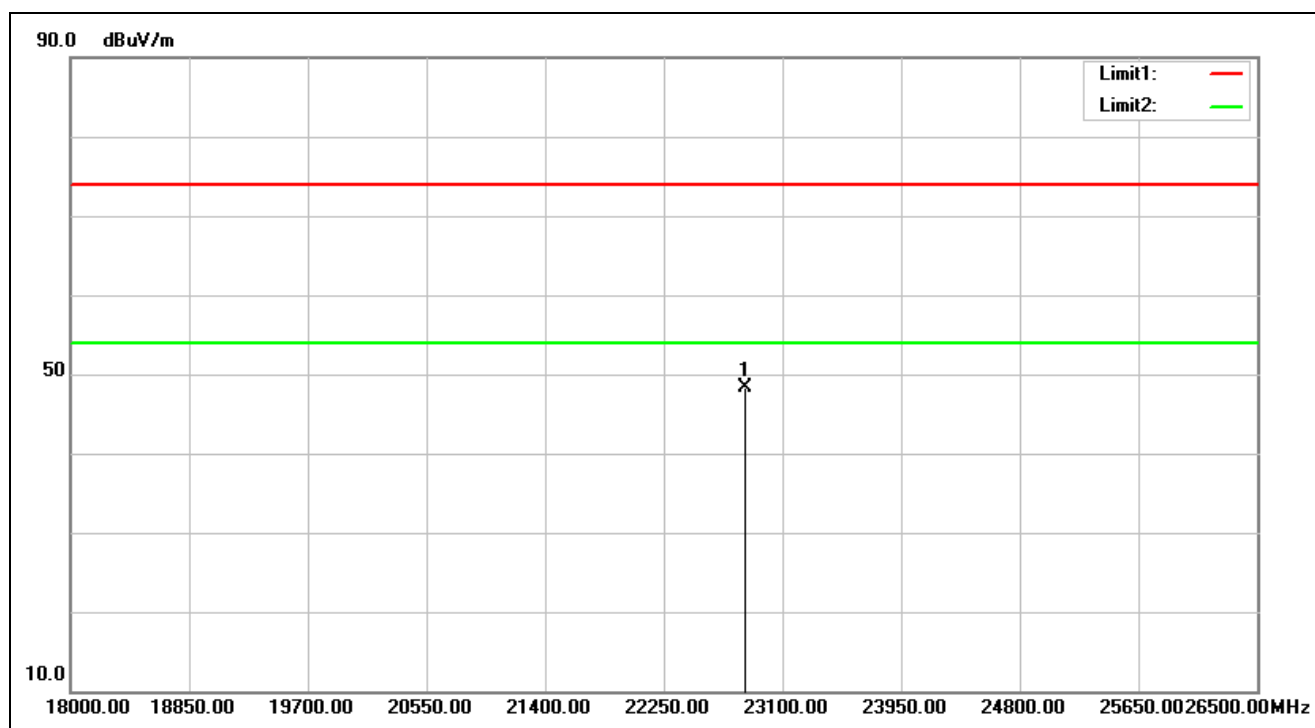
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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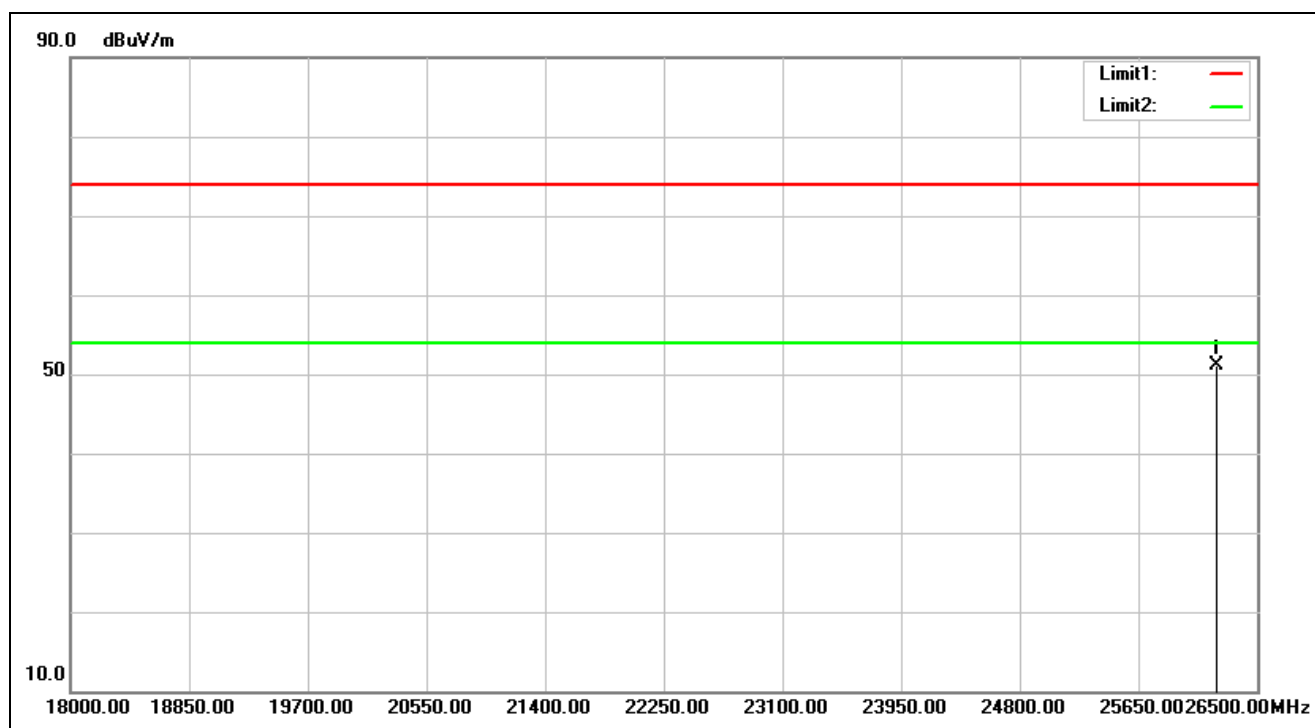
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 22:19:02
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2408-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25429.000	31.71	18.15	49.86	74.00	-24.14	peak		0	



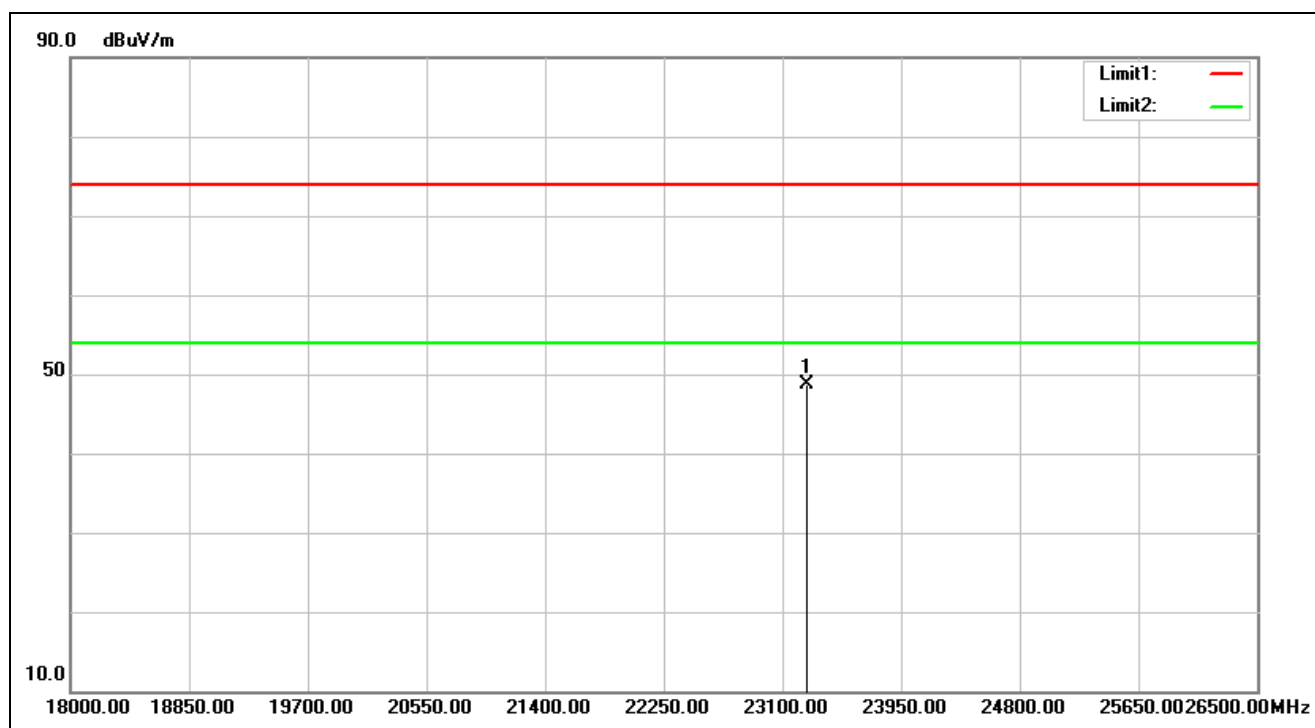
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 22:19:15
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2408-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22836.500	30.24	18.01	48.25	74.00	-25.75	peak			



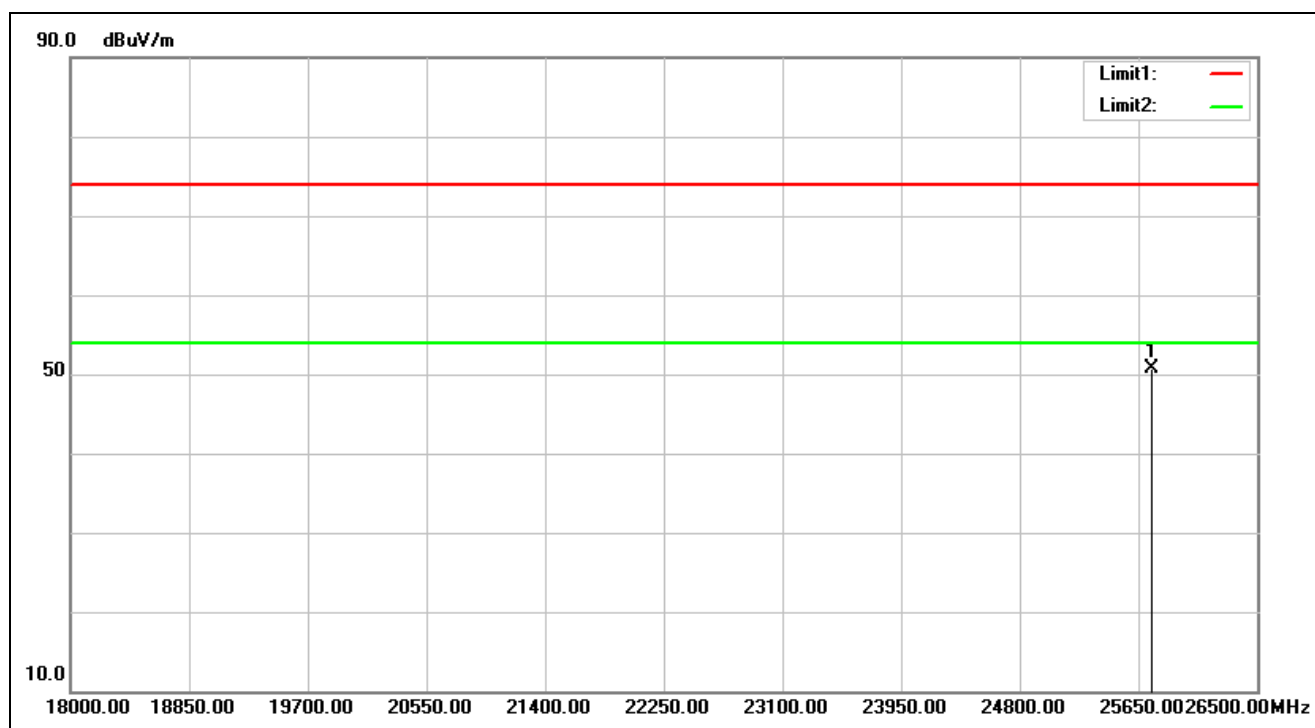
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 22:19:33
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
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	26211.000	32.03	19.15	51.18	74.00	-22.82	peak			



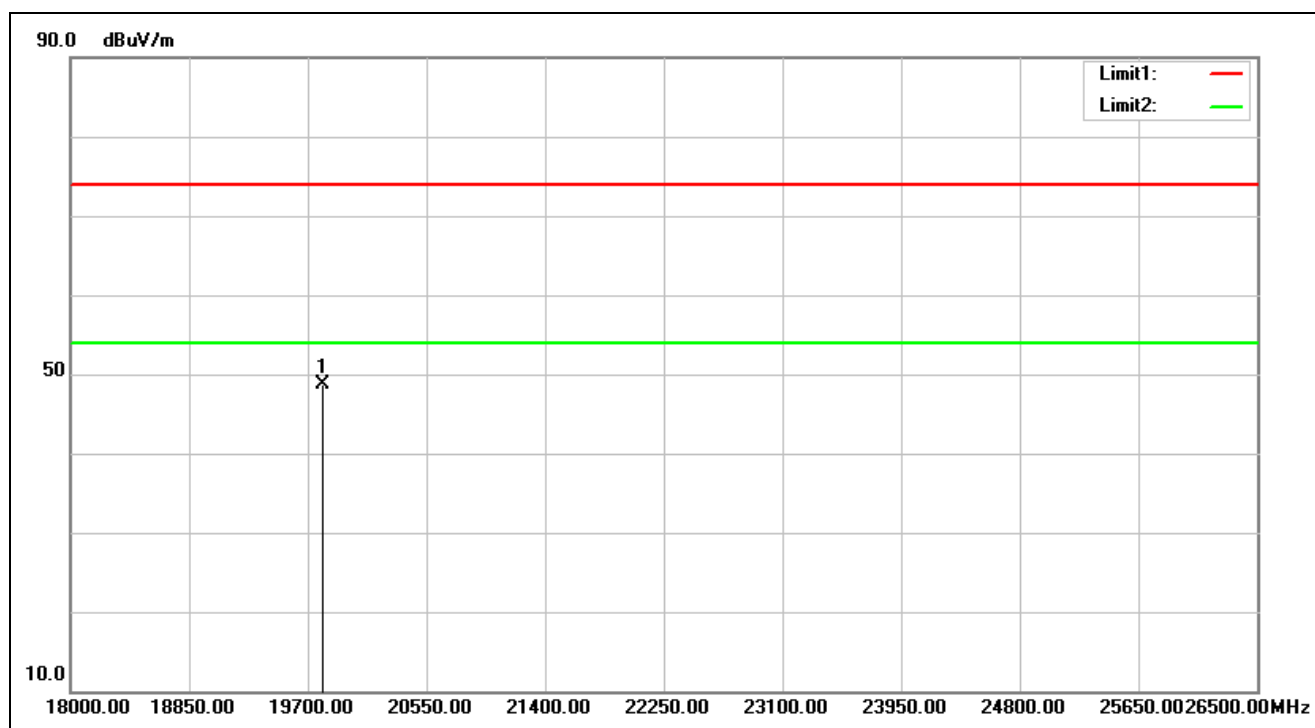
Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 22:19:41
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
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	23278.500	30.23	18.43	48.66	74.00	-25.34	peak			



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/7 22:20:00
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2474-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25743.500	32.12	18.51	50.63	74.00	-23.37	peak			



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/7 22:20:09
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	20.2(°C)/53%
Model No.:	Mouse	Test Engineer:	George Yang
Test Mode:	2474-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19802.000	29.55	19.12	48.67	74.00	-25.33	peak			

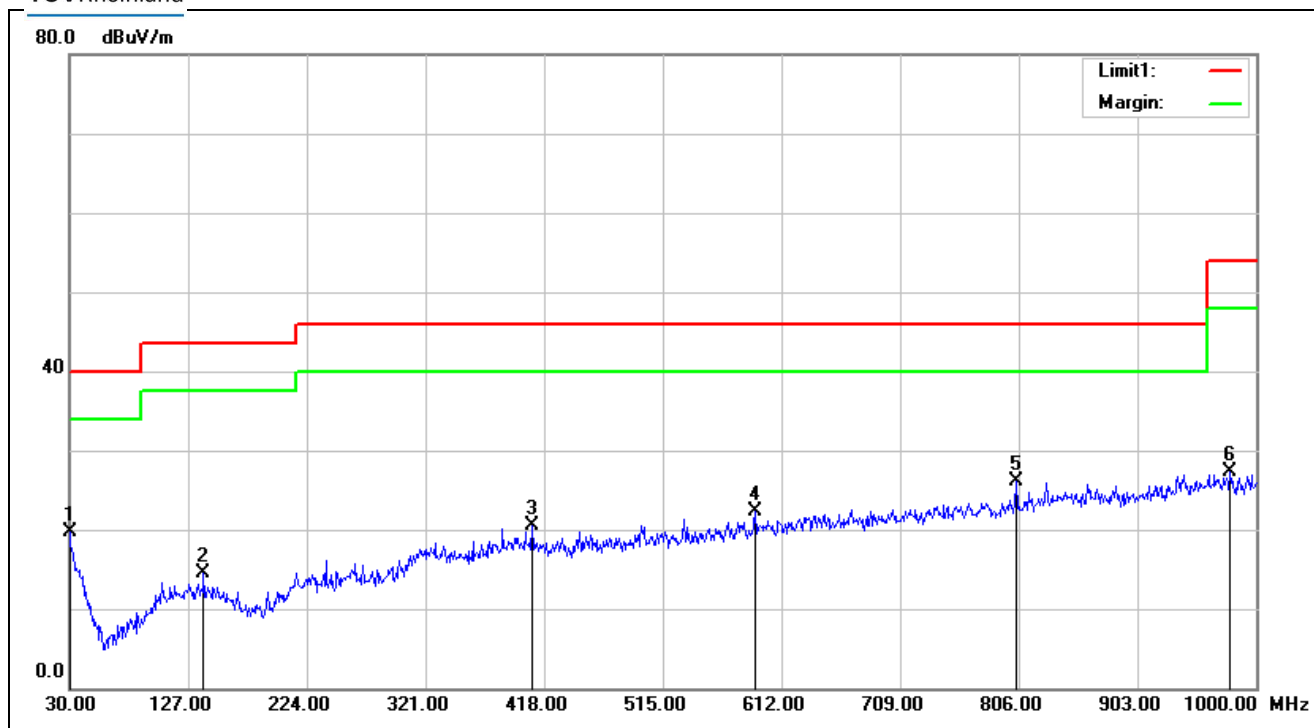
Spurious Emissions, TX Mode, 30M-1G



TUV Taiwan

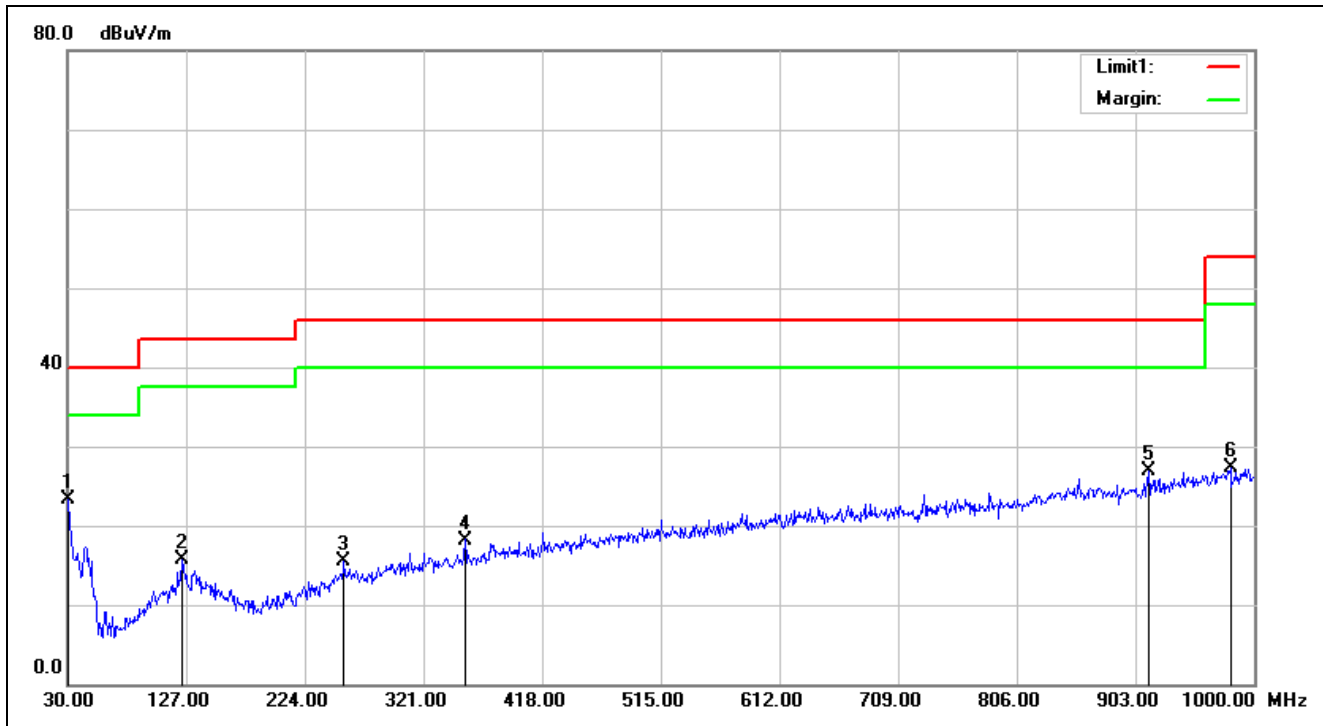
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Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/13 15:46:25
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	22.6(°C)/59%
Model No.:	Mouse	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	30.0000	-5.85	25.55	19.70	40.00	-20.30	QP	100	200	
2	139.6100	-12.70	27.27	14.57	43.50	-28.93	QP	100	205	
3	408.3000	-8.57	29.10	20.53	46.00	-25.47	QP	100	314	
4	590.6600	-6.18	28.47	22.29	46.00	-23.71	QP	100	282	
5	804.0599	-3.59	29.69	26.10	46.00	-19.90	QP	100	338	
6	978.6600	-0.22	27.50	27.28	54.00	-26.72	QP	100	226	



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/13 15:47:29
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%)	22.6(°C)/59%
Model No.:	Mouse	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	30.0000	-5.85	29.07	23.22	40.00	-16.78	QP	100	218	
2	124.0900	-12.87	28.53	15.66	43.50	-27.84	QP	100	245	
3	256.0100	-11.14	26.63	15.49	46.00	-30.51	QP	100	274	
4	354.9500	-9.31	27.51	18.20	46.00	-27.80	QP	100	314	
5	913.6700	-1.63	28.56	26.93	46.00	-19.07	QP	100	184	
6	980.6000	-0.19	27.44	27.25	54.00	-26.75	QP	100	338	

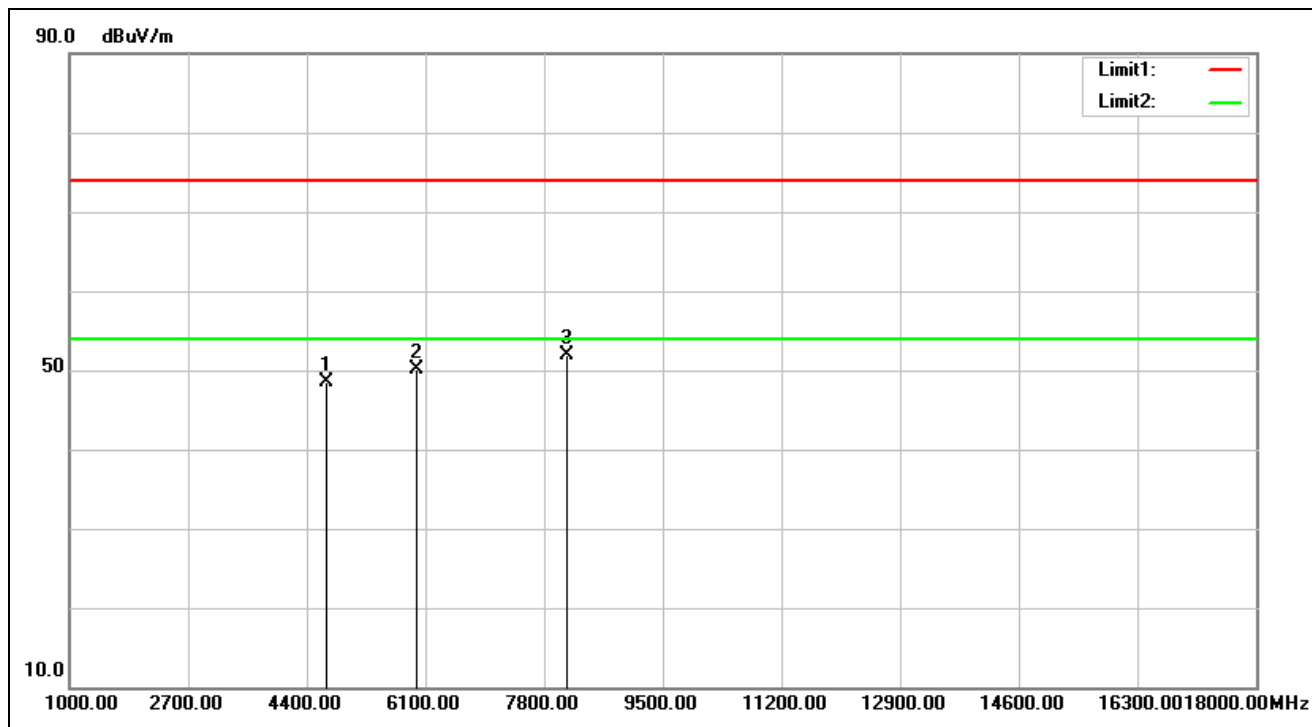
Spurious Emissions, RX Mode, 1-18G



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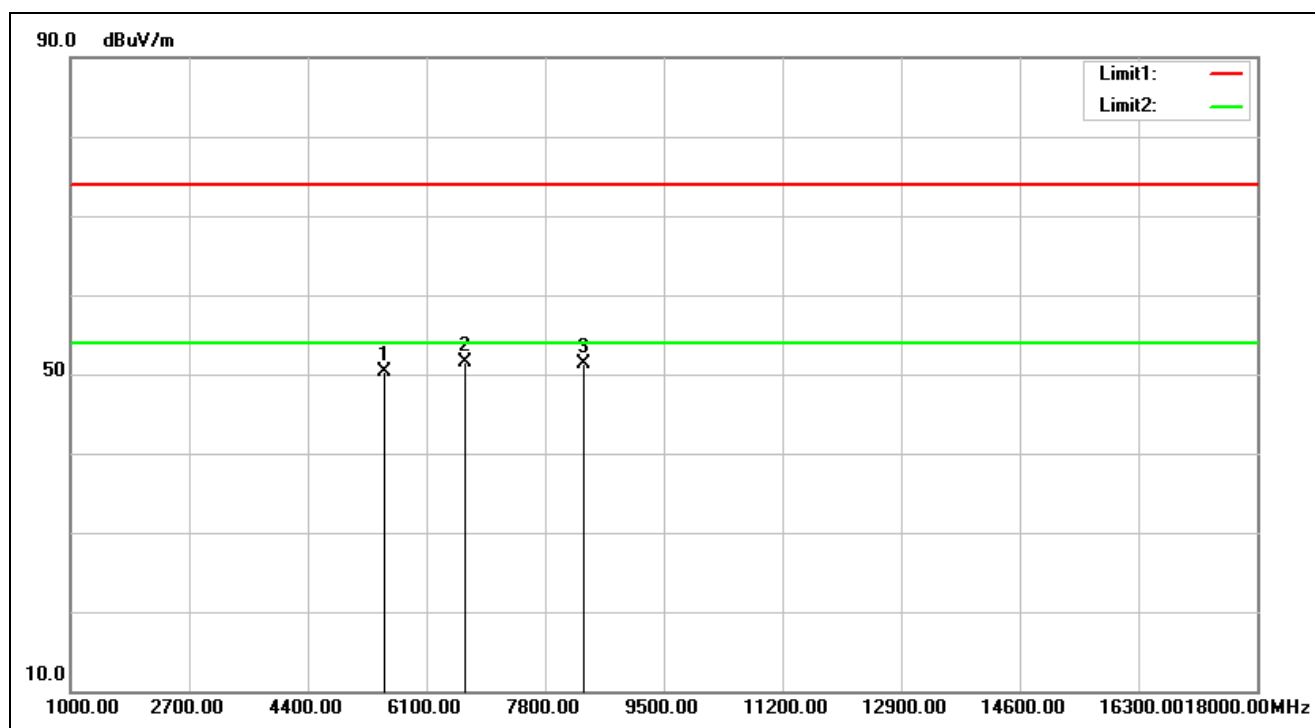
Tel: +886-2172-7000 fax: +886-2528-0018



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/14 19:22:21
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz mouse	Temp.(°C)/Hum.(%):	21.6(°C)/59%
Model No.:	Mouse	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	4672.000	-2.60	51.18	48.58	74.00	-25.42	peak	100	249	
2	5981.000	4.00	46.15	50.15	74.00	-23.85	peak	100	102	
3	8123.000	6.61	45.34	51.95	74.00	-22.05	peak	100	279	

Spurious Emissions, RX Mode, 18-26G



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/14 19:23:23
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz Mouse	Temp.(°C)/Hum.(%)	21.6(°C)/59%
Model No.:	Mouse	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	5505.000	0.87	49.52	50.39	74.00	-23.61	peak	100	22	
2	6644.000	5.78	45.78	51.56	74.00	-22.44	peak	100	191	
3	8344.000	6.68	44.57	51.25	74.00	-22.75	peak	100	357	

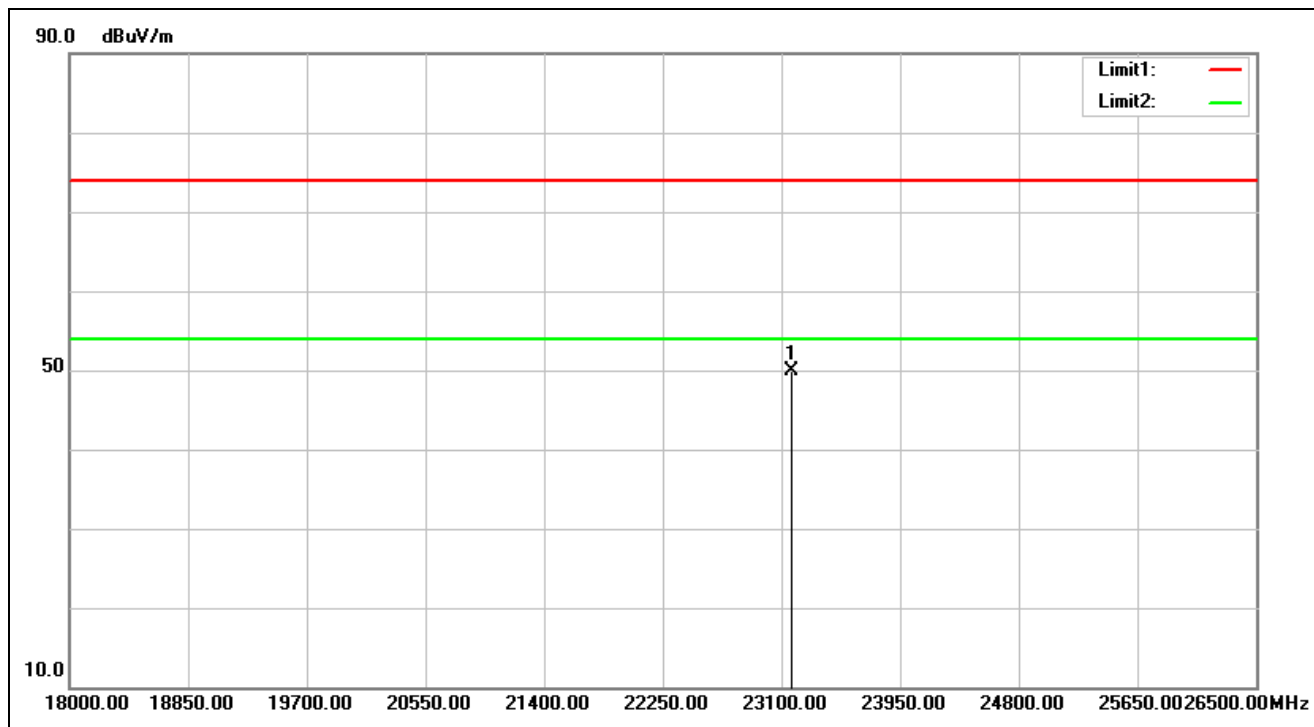
Spurious Emissions, RX Mode, 18-26G



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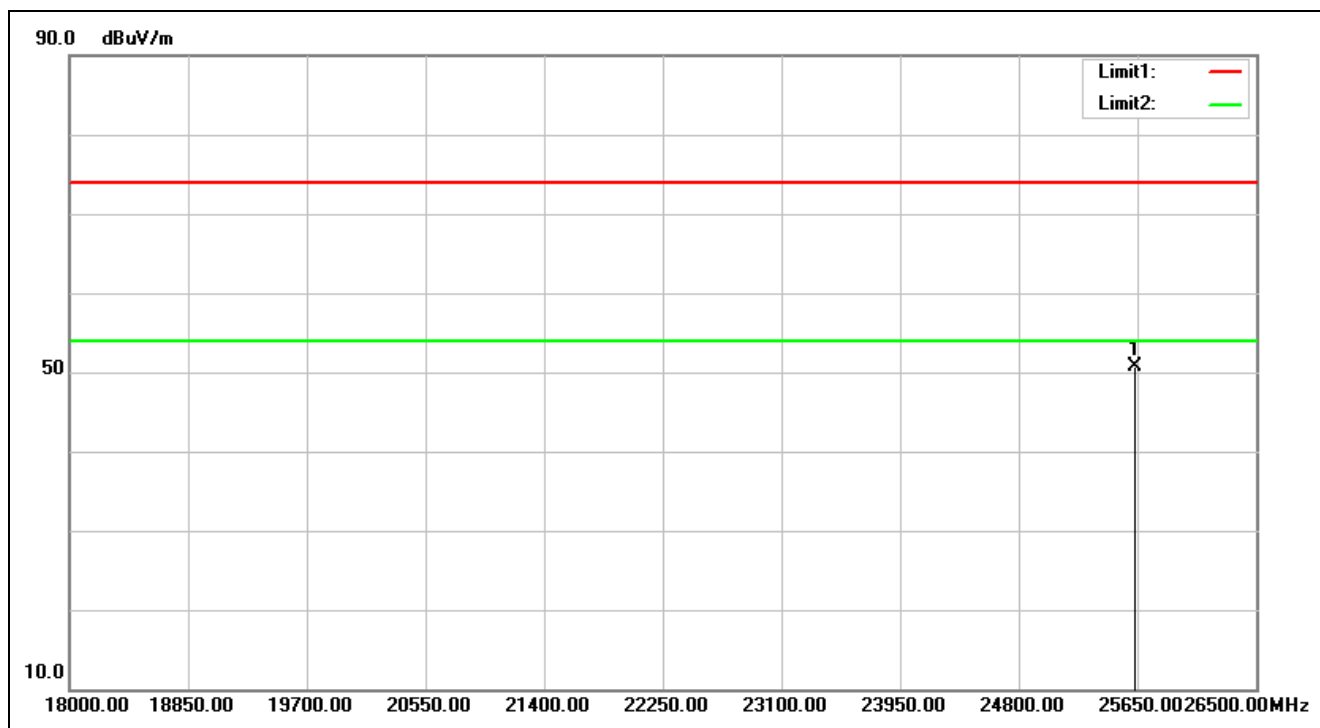
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/14 19:02:24
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz Mouse	Temp.(°C)/Hum.(%):	21.6(°C)/59%
Model No.:	Mouse	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	23168.000	30.33	19.63	49.96	74.00	-24.04	peak		0	



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/14 19:03:09
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz Mouse	Temp.(°C)/Hum.(%):	21.6(°C)/59%
Model No.:	Mouse	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	25633.000	31.97	18.64	50.61	74.00	-23.39	peak			

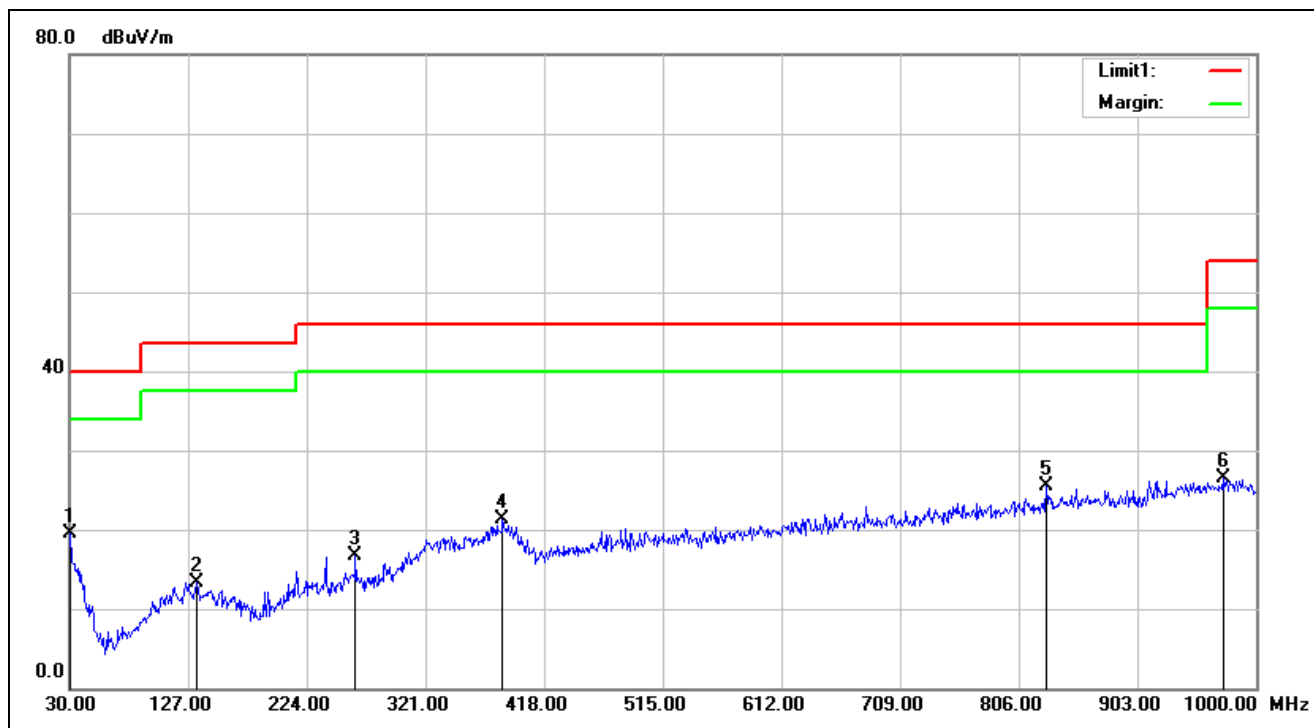
Spurious Emissions, RX Mode, 30M-1G



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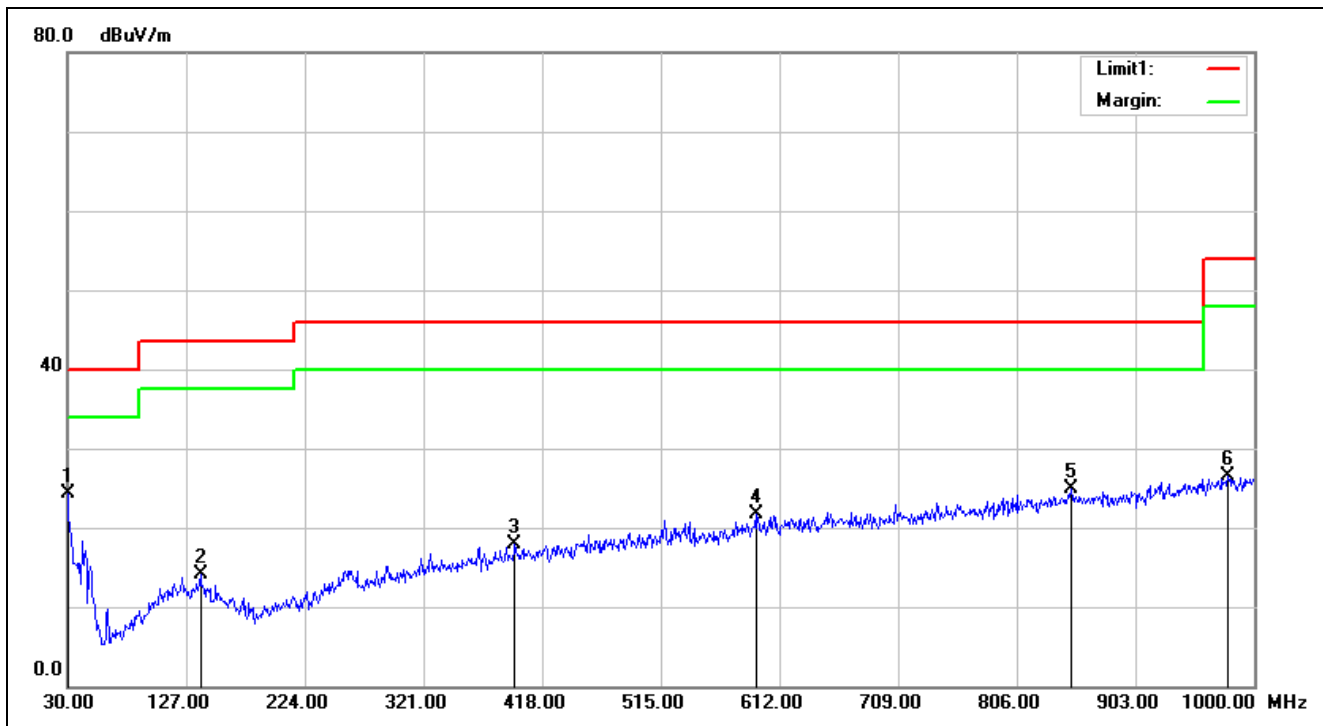
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/4/14 18:39:33
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz Dongle	Temp.(°C)/Hum.(%)	21.6(°C)/59%
Model No.:	Mouse	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	30.0000	-5.85	25.30	19.45	40.00	-20.55	QP	100	333	
2	133.7900	-12.67	26.06	13.39	43.50	-30.11	QP	100	282	
3	263.7700	-11.01	27.79	16.78	46.00	-29.22	QP	100	265	
4	384.0500	-8.90	30.15	21.25	46.00	-24.75	QP	100	127	
5	828.3099	-2.97	28.40	25.43	46.00	-20.57	QP	100	135	
6	972.8400	-0.28	26.73	26.45	54.00	-27.55	QP	100	223	



Service No.:	114048799-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/4/14 18:40:36
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4GHz Dongle	Temp.(°C)/Hum.(%)	21.6(°C)/59%
Model No.:	Mouse	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	30.0000	-5.85	30.19	24.34	40.00	-15.66	QP	100	287	
2	138.6400	-12.70	26.79	14.09	43.50	-29.41	QP	100	293	
3	395.6900	-8.73	26.65	17.92	46.00	-28.08	QP	100	161	
4	592.6000	-6.14	27.84	21.70	46.00	-24.30	QP	100	17	
5	850.6200	-2.41	27.28	24.87	46.00	-21.13	QP	100	99	
6	978.6600	-0.22	26.82	26.60	54.00	-27.40	QP	100	78	

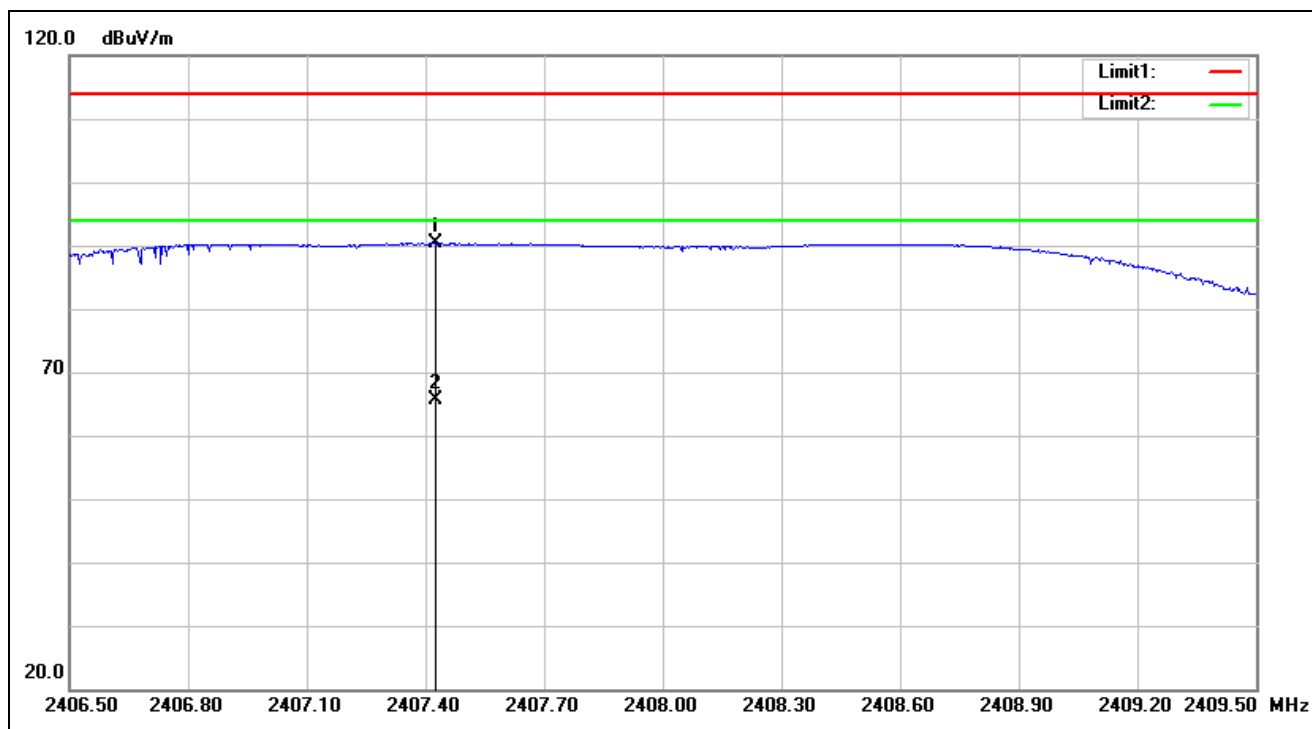
Radiated Emissions, Fundamental and Band Edges (Second Source)



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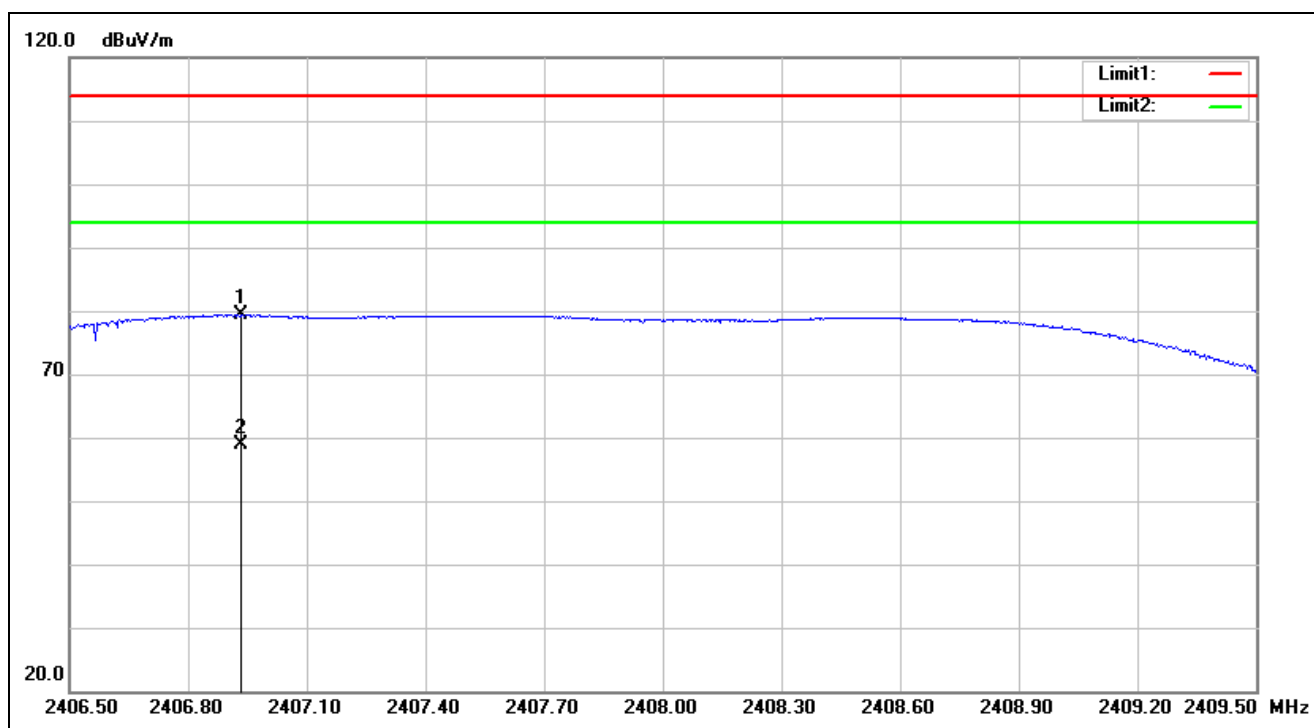
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



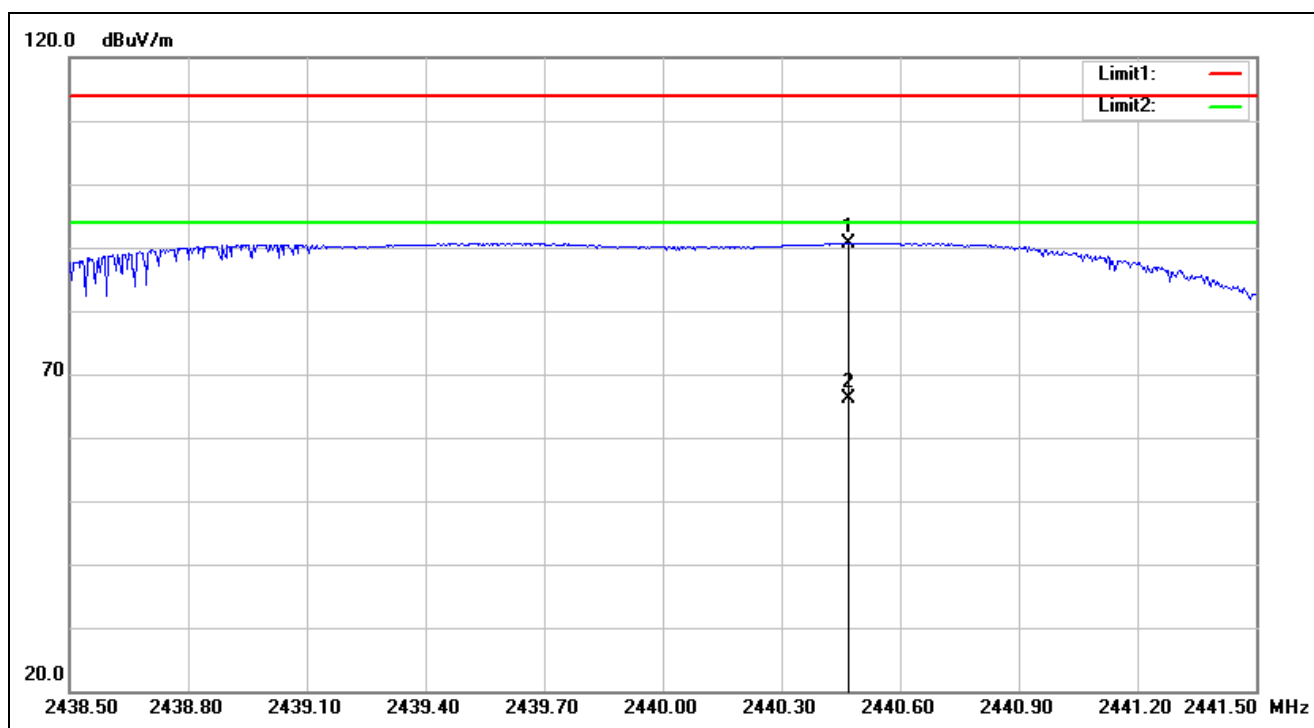
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 20:17:58
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	2408-Fundamental		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2407.424	-8.03	98.32	90.29	114.00	-23.71	peak		0	
2	2407.424	-8.03	73.65	65.62	94.00	-28.38	AVG		0	



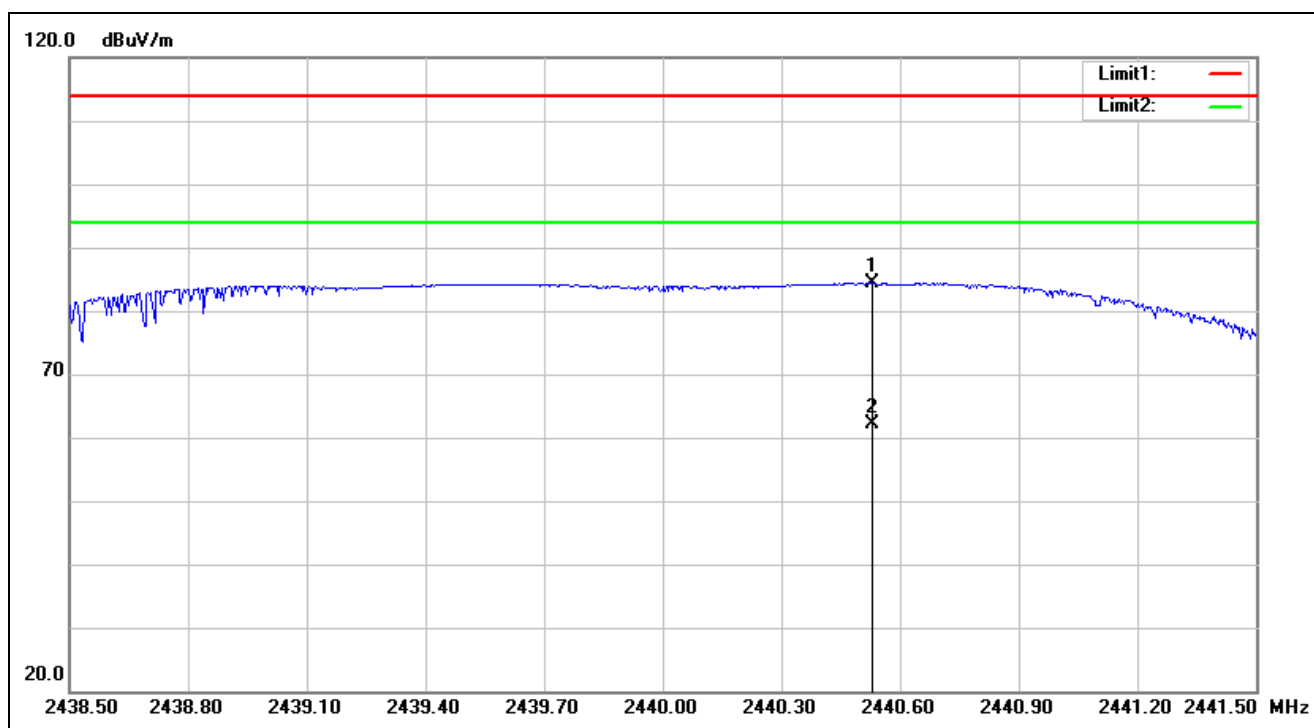
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 20:20:01
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%):	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	2408-Fundamental		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2406.935	-8.03	87.35	79.32	114.00	-34.68	peak			
2	2406.935	-8.03	66.79	58.76	94.00	-35.24	AVG			



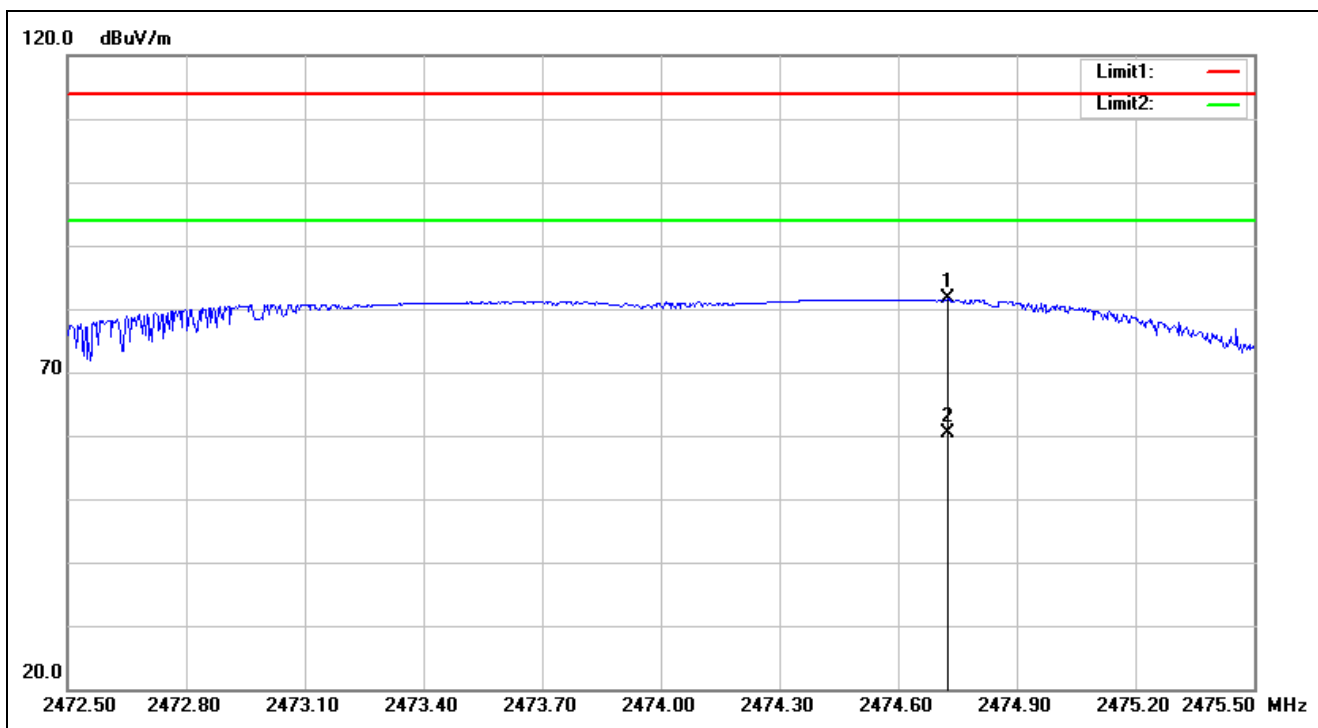
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 20:22:04
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%):	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	2440-Fundamental		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2440.471	-7.95	98.53	90.58	114.00	-23.42	peak			
2	2440.471	-7.95	74.05	66.10	94.00	-27.90	AVG			



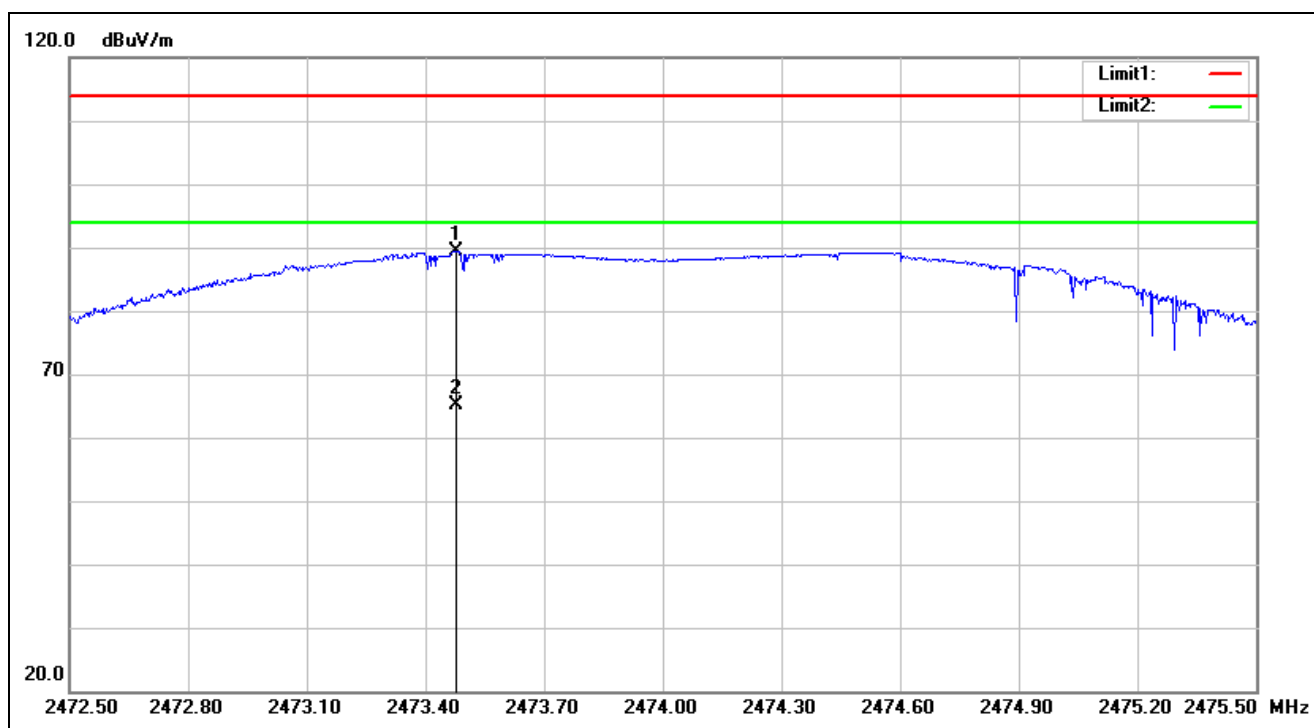
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 20:30:01
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%):	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	2440-Fundamental		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2440.528	-7.95	92.24	84.29	114.00	-29.71	peak			
2	2440.528	-7.95	70.16	62.21	94.00	-31.79	AVG			



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 20:32:22
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	2474-Fundamental		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2474.726	-7.89	89.43	81.54	114.00	-32.46	peak			
2	2474.726	-7.89	68.17	60.28	94.00	-33.72	AVG			

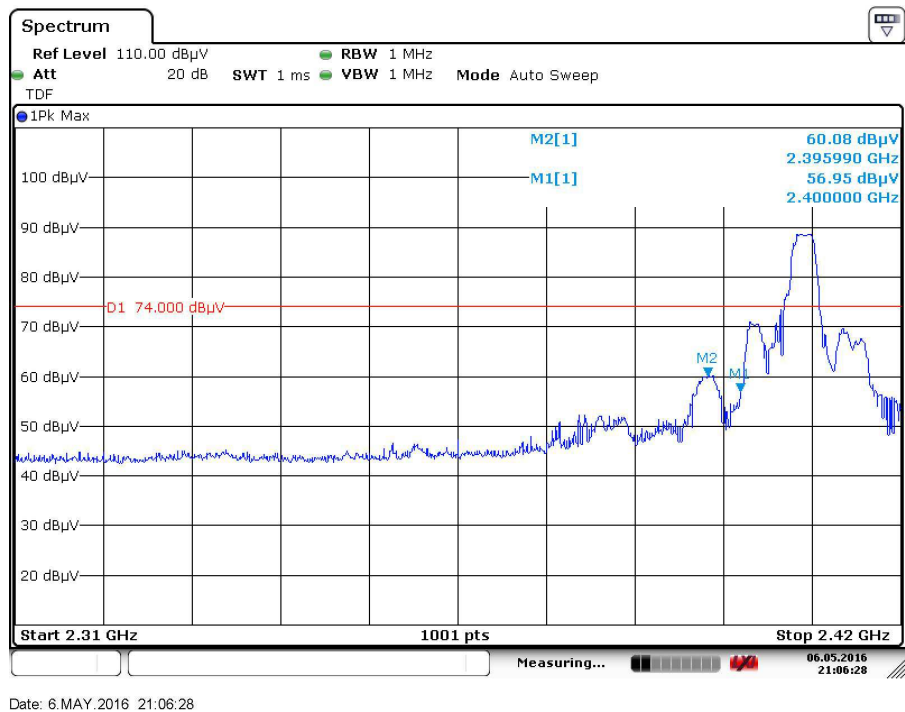
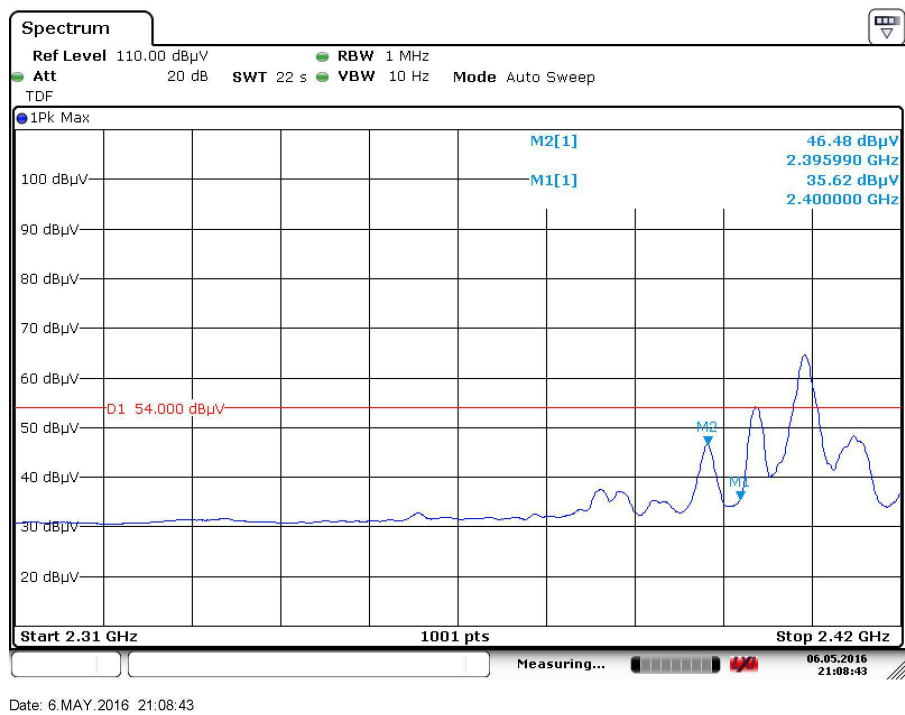


Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC 15.249_2.4-2.5G_3m PK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 20:36:10
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	2474-Fundamental		
Remark:	2nd source		

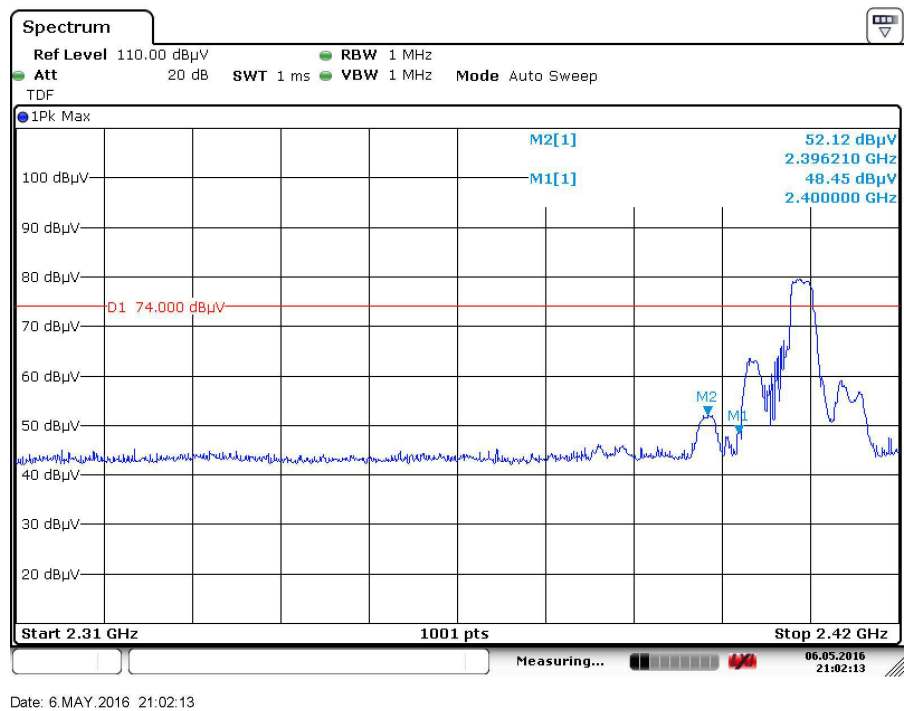
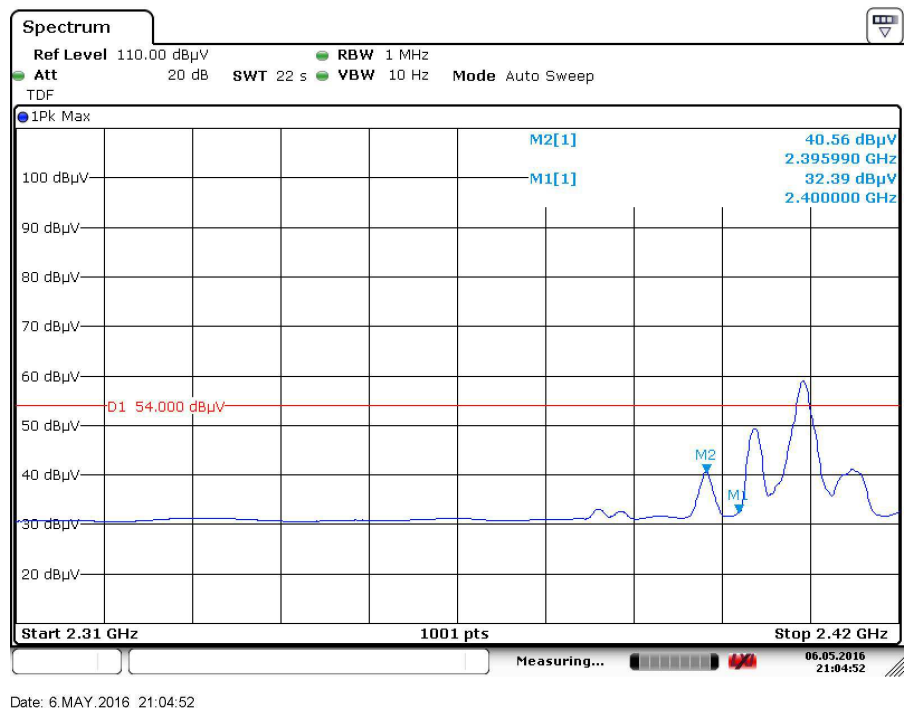
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	2473.478	-7.89	97.18	89.29	114.00	-24.71	peak			
2	2473.478	-7.89	73.12	65.23	94.00	-28.77	AVG			

Radiated Bandedge

Low Channel (Hor)

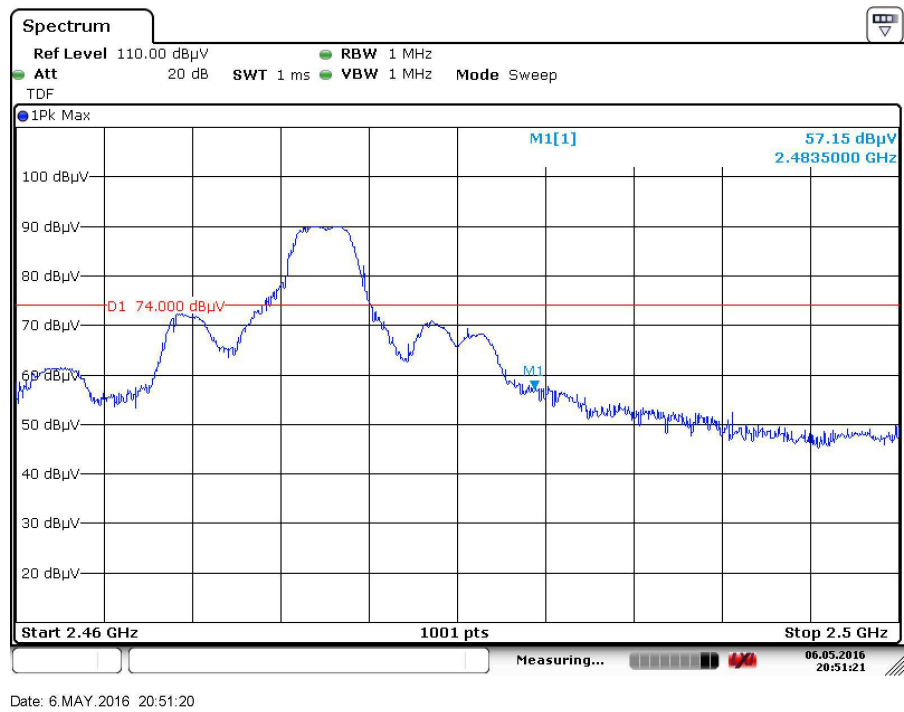
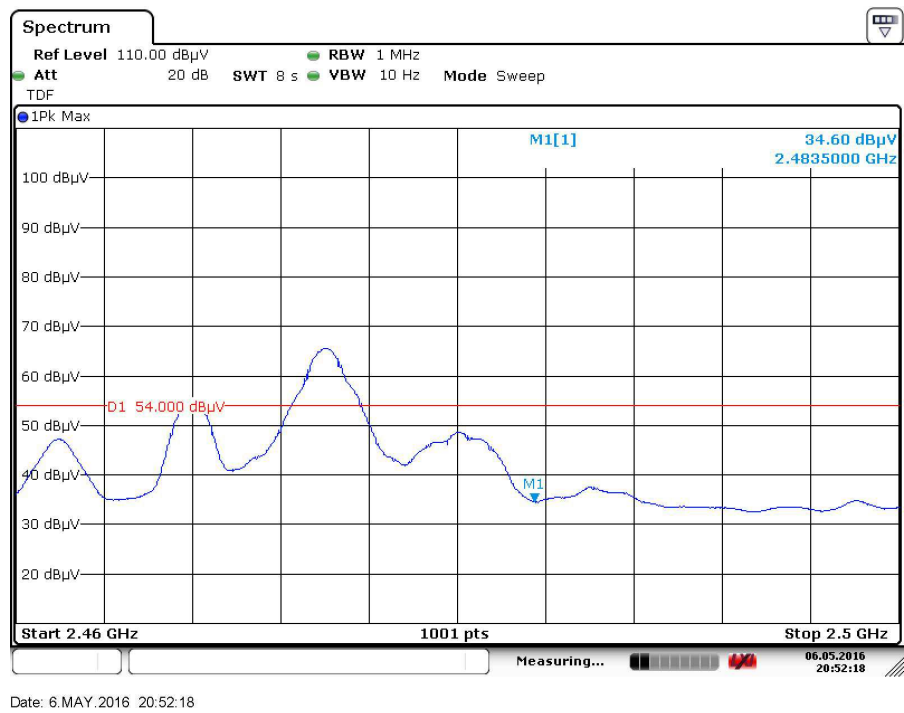


Low Channel (Ver)

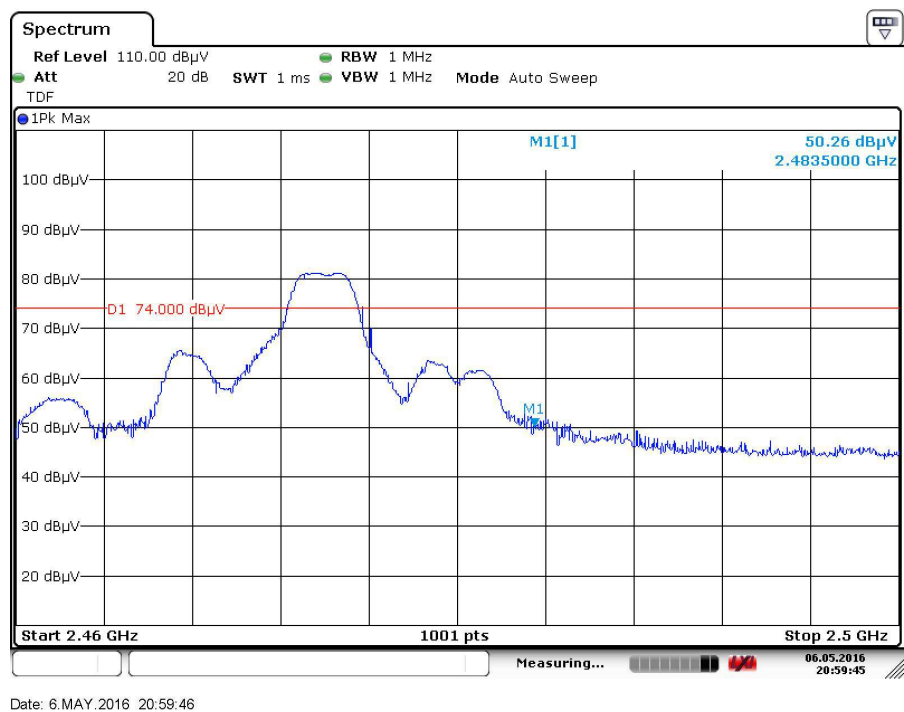
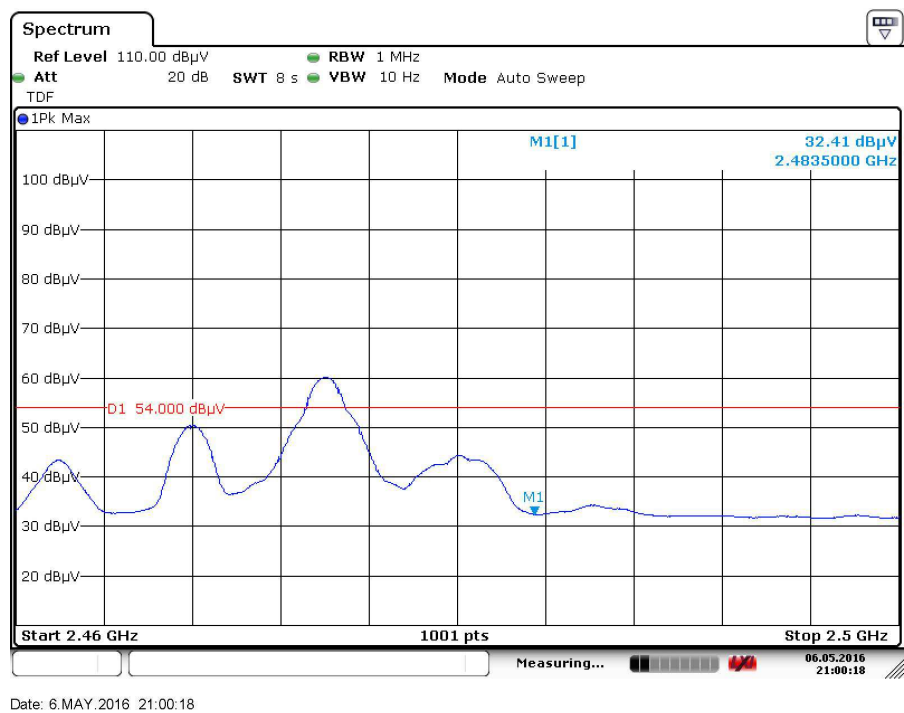


Radiated Bandedge (GFSK)

High Channel (Hor)



High Channel (Ver)



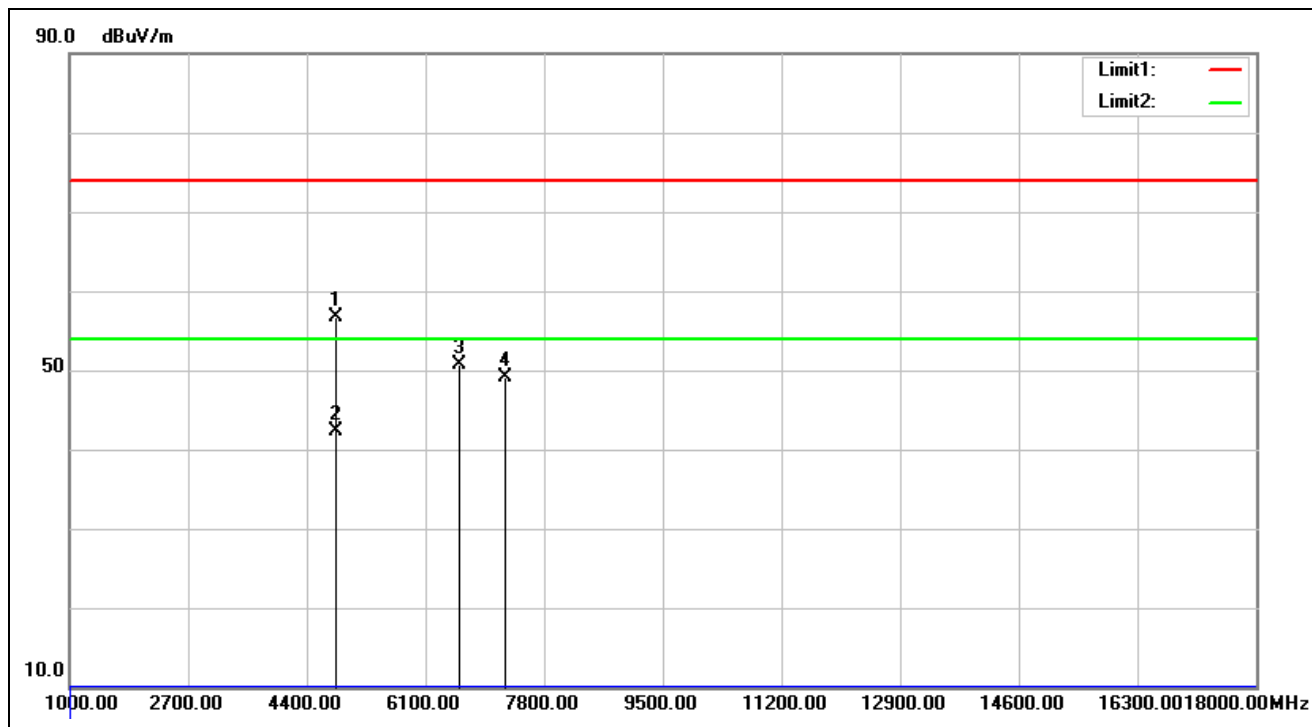
Spurious Emissions, TX Mode, 1-18G (Second Source)



TUV Taiwan

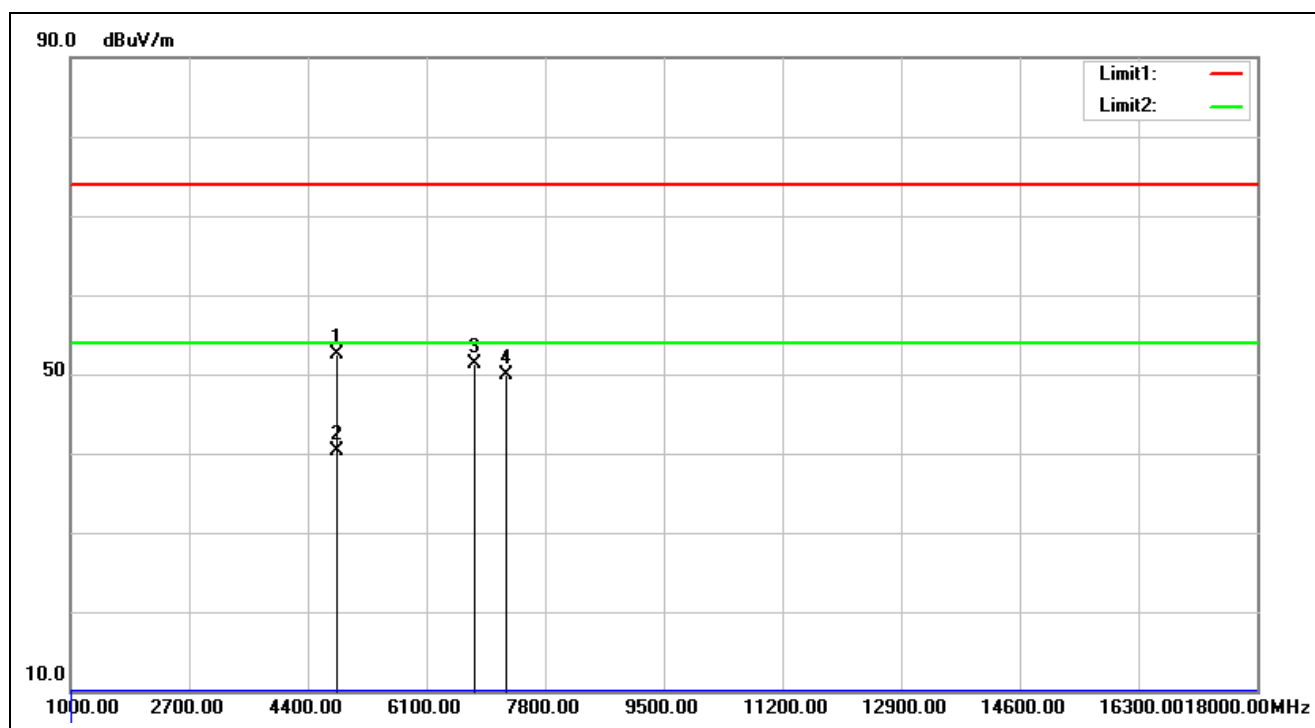
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Tel: +886-2172-7000 fax: +886-2528-0018



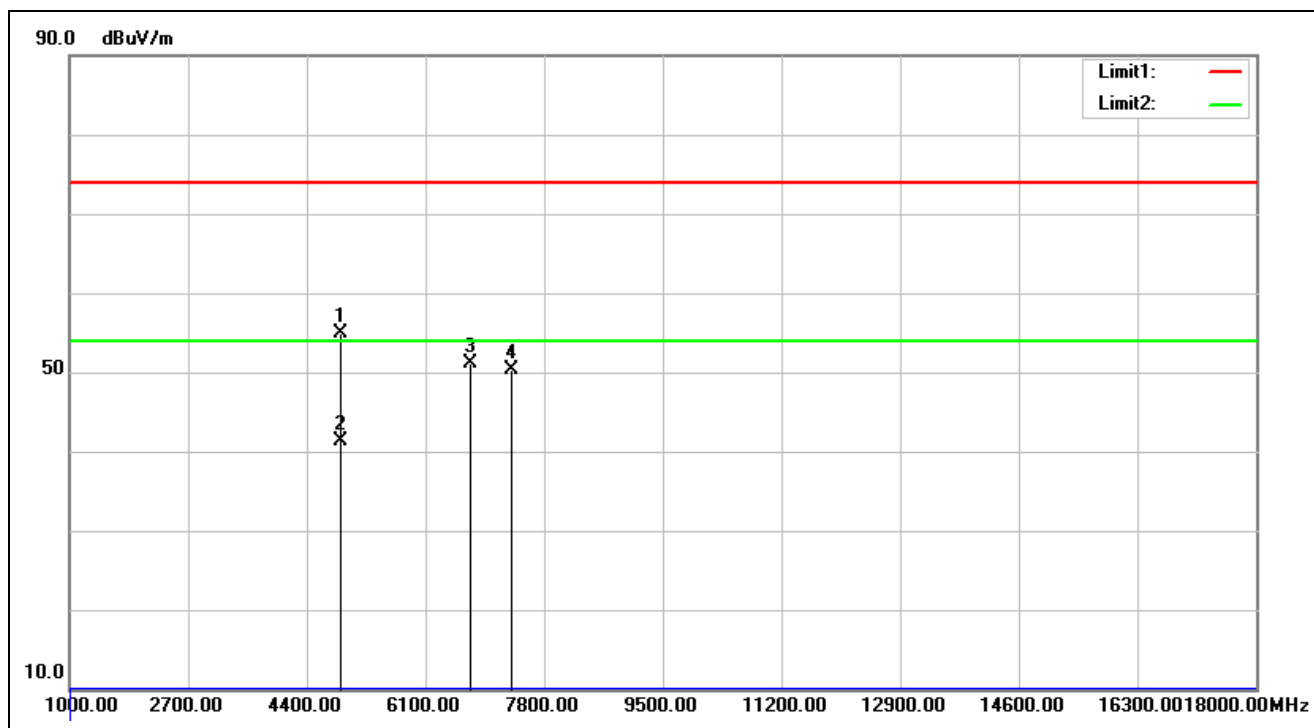
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 19:14:50
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%):	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2408		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4816.000	-2.81	59.46	56.65	74.00	-17.35	peak	100	184	
2	4816.000	-2.81	45.21	42.40	54.00	-11.60	AVG	100	184	
3	6593.000	5.36	45.33	50.69	74.00	-23.31	peak	100	156	
4	7224.000	5.41	43.63	49.04	74.00	-24.96	peak		0	



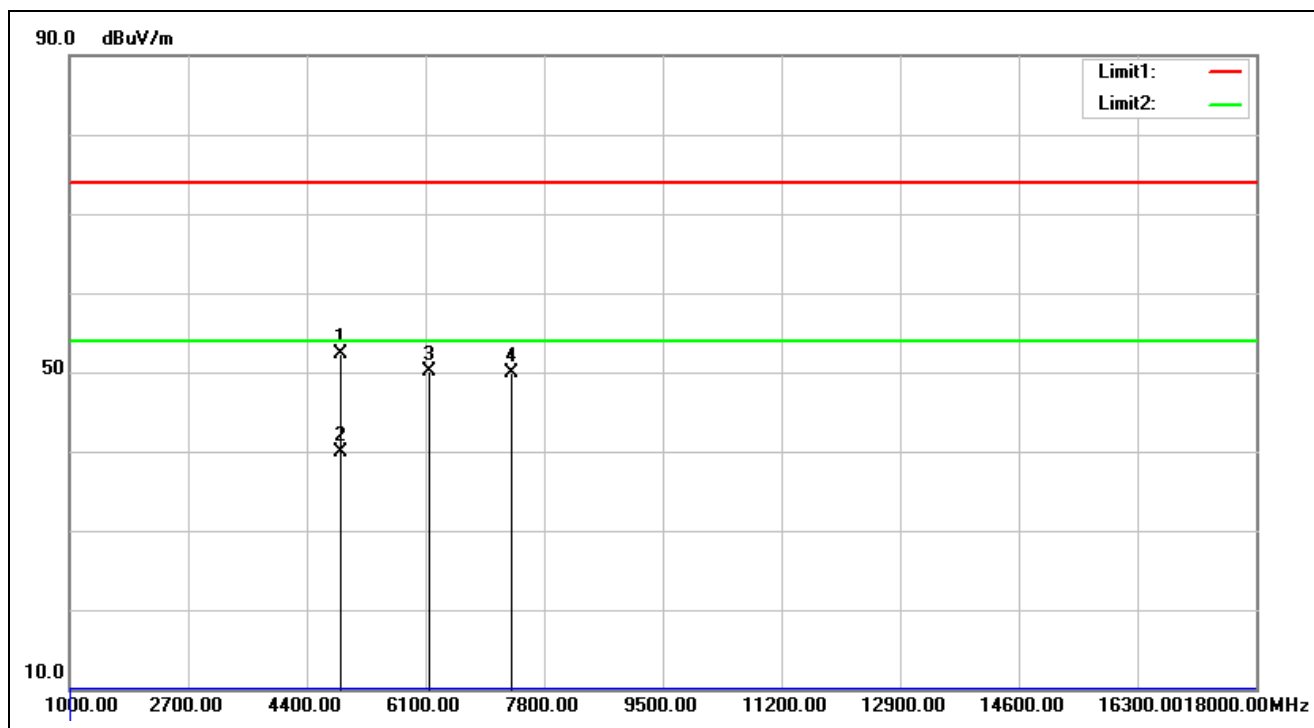
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 19:15:53
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2408		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4816.000	-2.81	55.22	52.41	74.00	-21.59	peak	100	324	
2	4816.000	-2.81	43.09	40.28	54.00	-13.72	AVG	100	324	
3	6780.000	5.05	46.18	51.23	74.00	-22.77	peak	100	185	
4	7224.000	5.41	44.49	49.90	74.00	-24.10	peak			



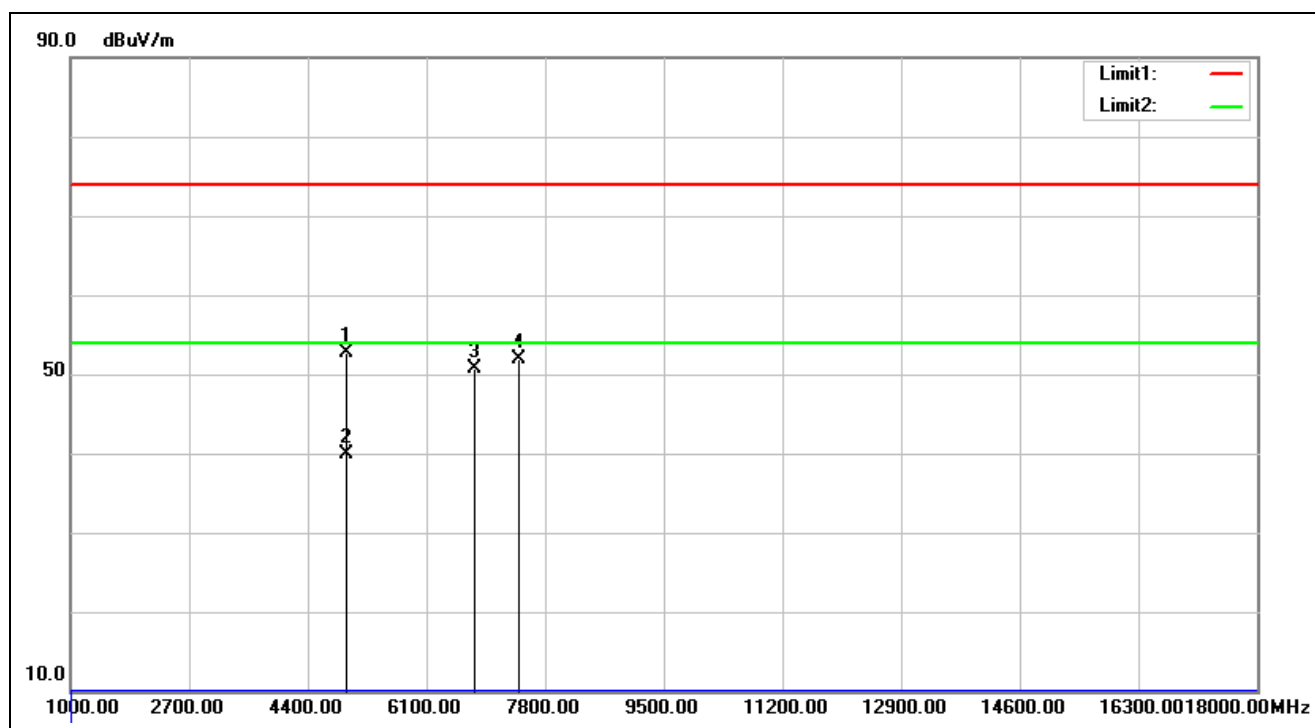
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 19:22:54
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2440		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.67	57.67	55.00	74.00	-19.00	peak	100	207	
2	4880.000	-2.67	43.96	41.29	54.00	-12.71	AVG	100	207	
3	6746.000	5.10	45.95	51.05	74.00	-22.95	peak	100	163	
4	7320.000	5.72	44.55	50.27	74.00	-23.73	peak			



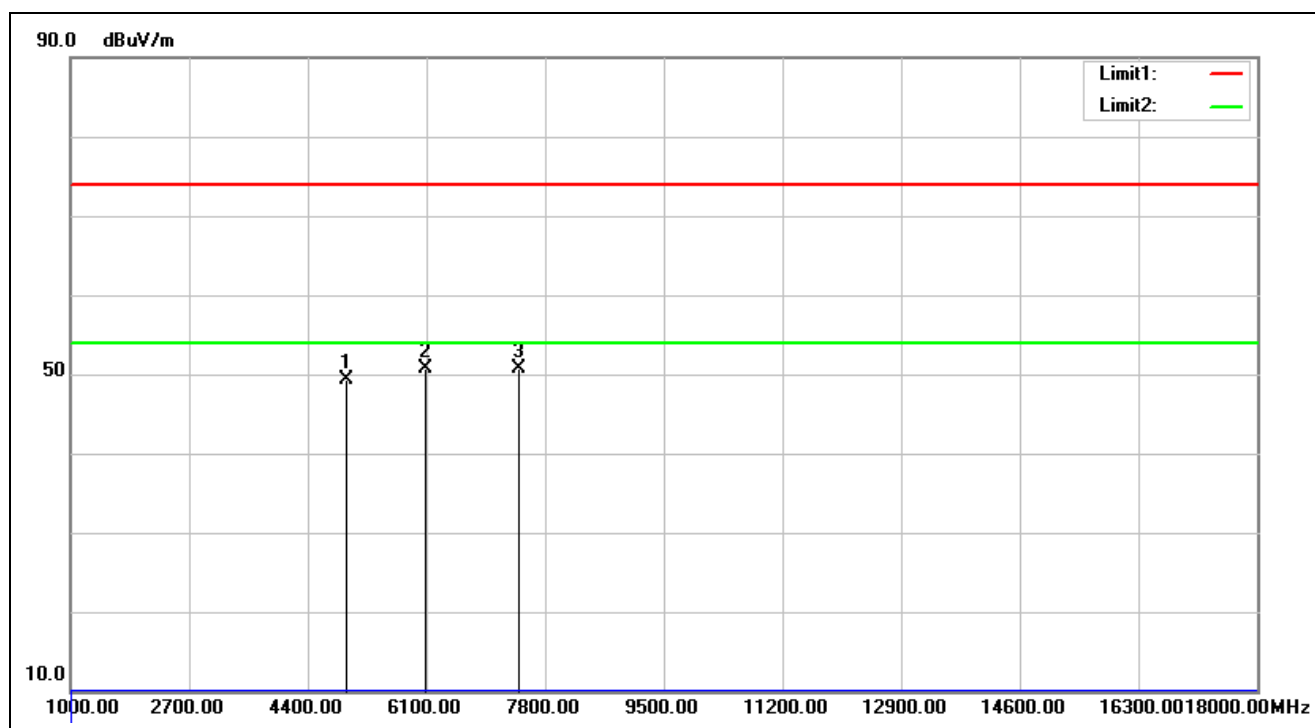
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 19:23:57
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2440		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-2.67	54.95	52.28	74.00	-21.72	peak	100	327	
2	4880.000	-2.67	42.58	39.91	54.00	-14.09	AVG	100	327	
3	6151.000	4.41	45.76	50.17	74.00	-23.83	peak	100	84	
4	7320.000	5.72	44.21	49.93	74.00	-24.07	peak			



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 19:28:46
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2474		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4948.000	-2.51	55.16	52.65	74.00	-21.35	peak	100	196	
2	4948.000	-2.51	42.36	39.85	54.00	-14.15	AVG	100	196	
3	6797.000	5.02	45.63	50.65	74.00	-23.35	peak	100	138	
4	7422.000	6.06	45.92	51.98	74.00	-22.02	peak			



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 19:29:49
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%):	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2474		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4948.000	-2.51	51.76	49.25	74.00	-24.75	peak	100	114	
2	6083.000	4.20	46.58	50.78	74.00	-23.22	peak	100	359	
3	7422.000	6.06	44.61	50.67	74.00	-23.33	peak			

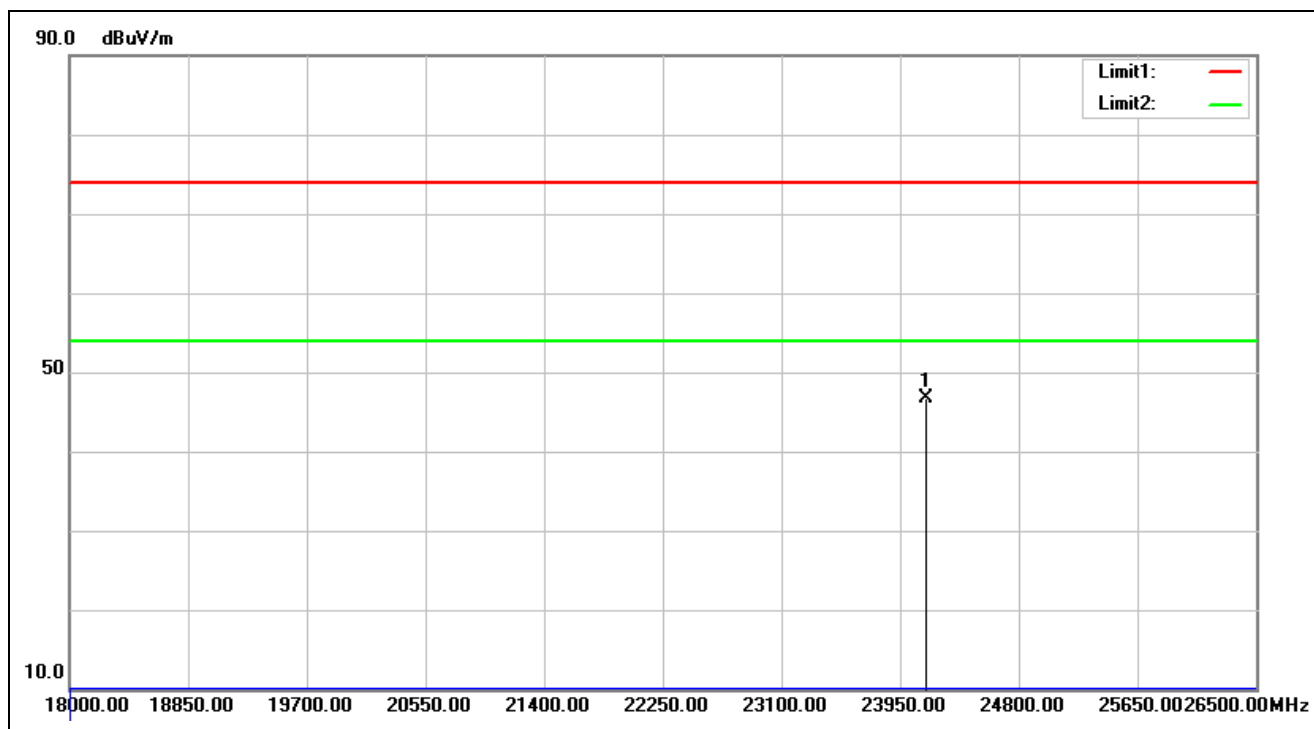
Spurious Emissions, TX Mode, 18-26G (Second Source)



TUV Taiwan

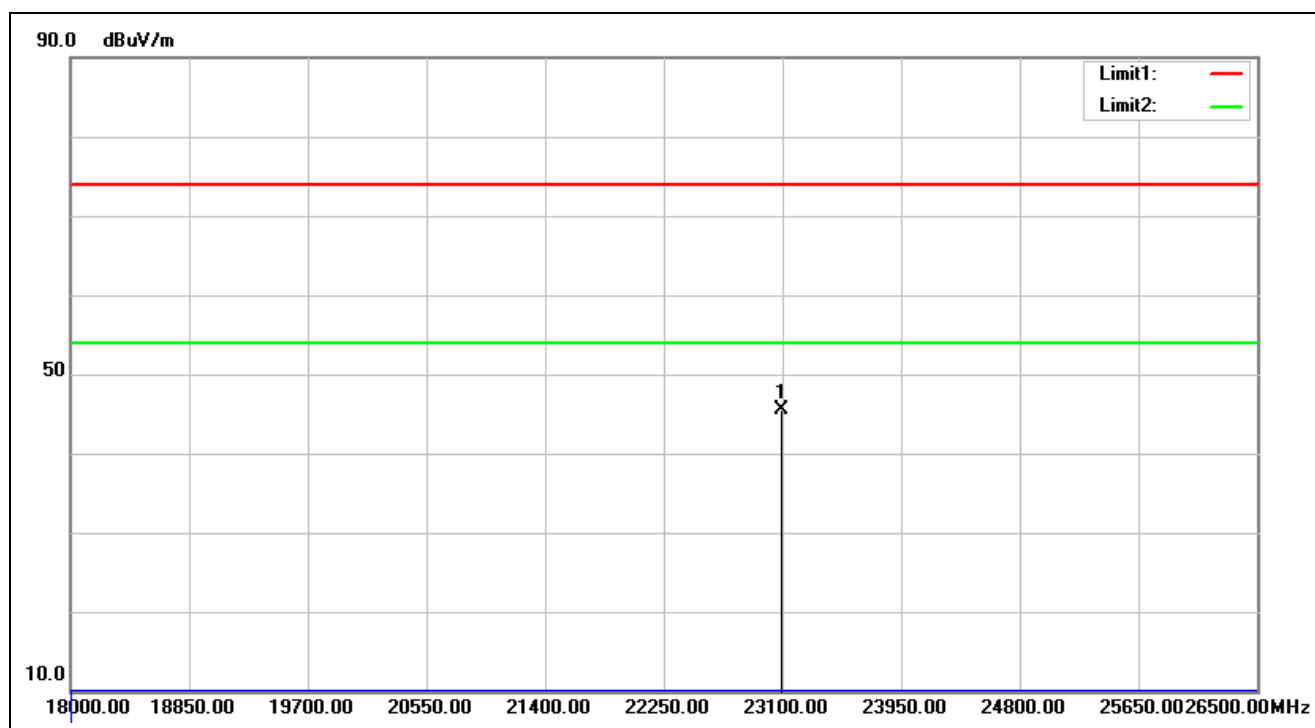
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Tel:+886-2172-7000 fax:+886-2528-0018



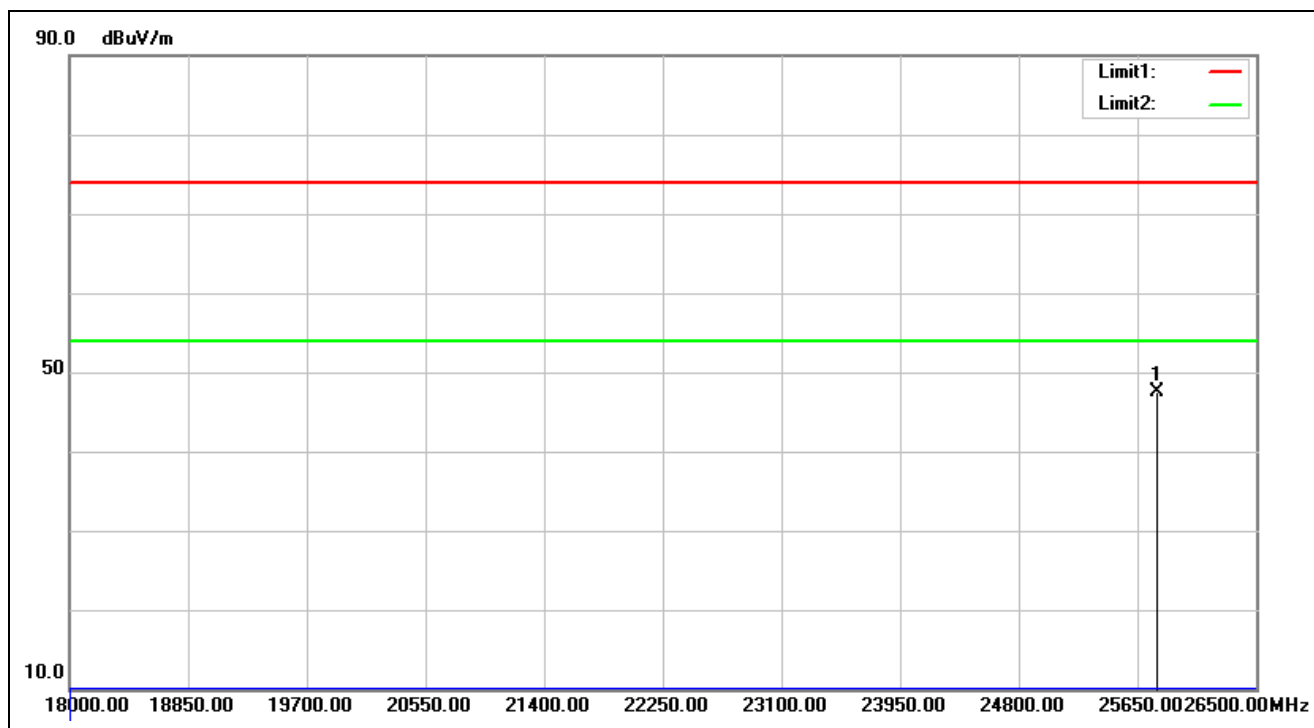
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 19:40:17
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2408		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24137.000	30.32	16.32	46.64	74.00	-27.36	peak			



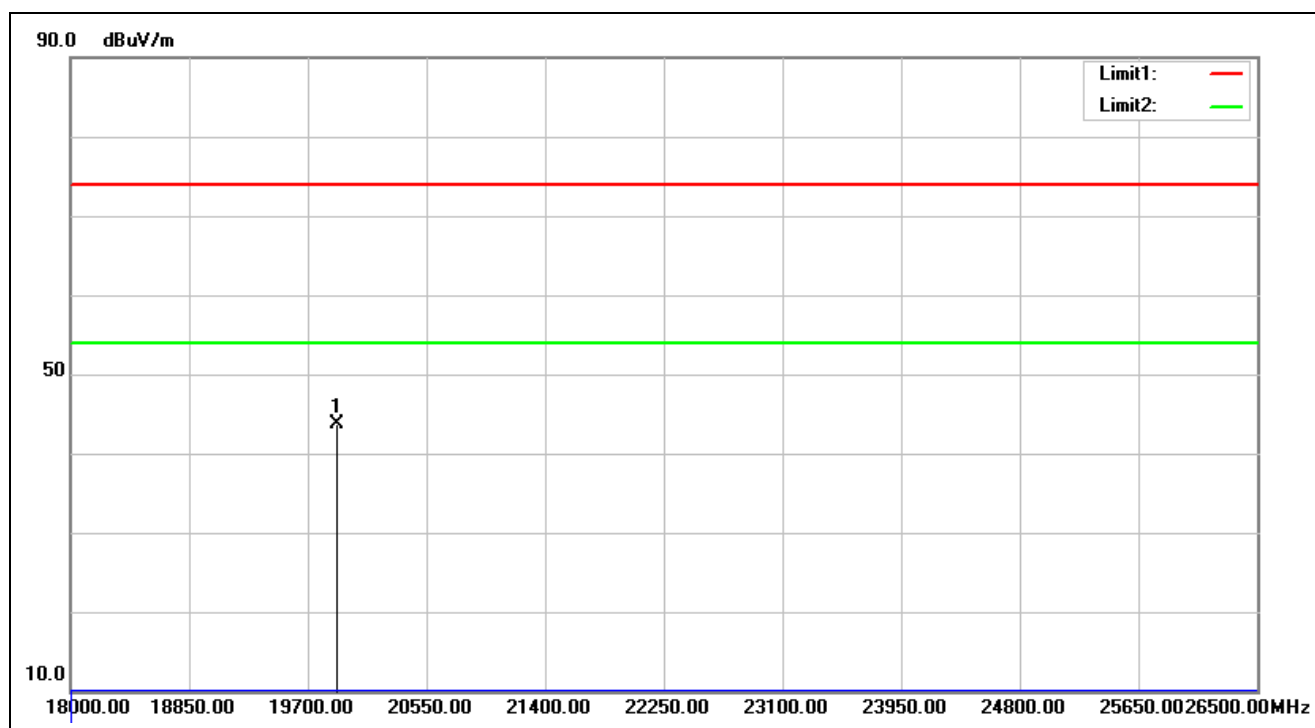
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 19:40:24
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2408		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23091.500	29.99	15.50	45.49	74.00	-28.51	peak			



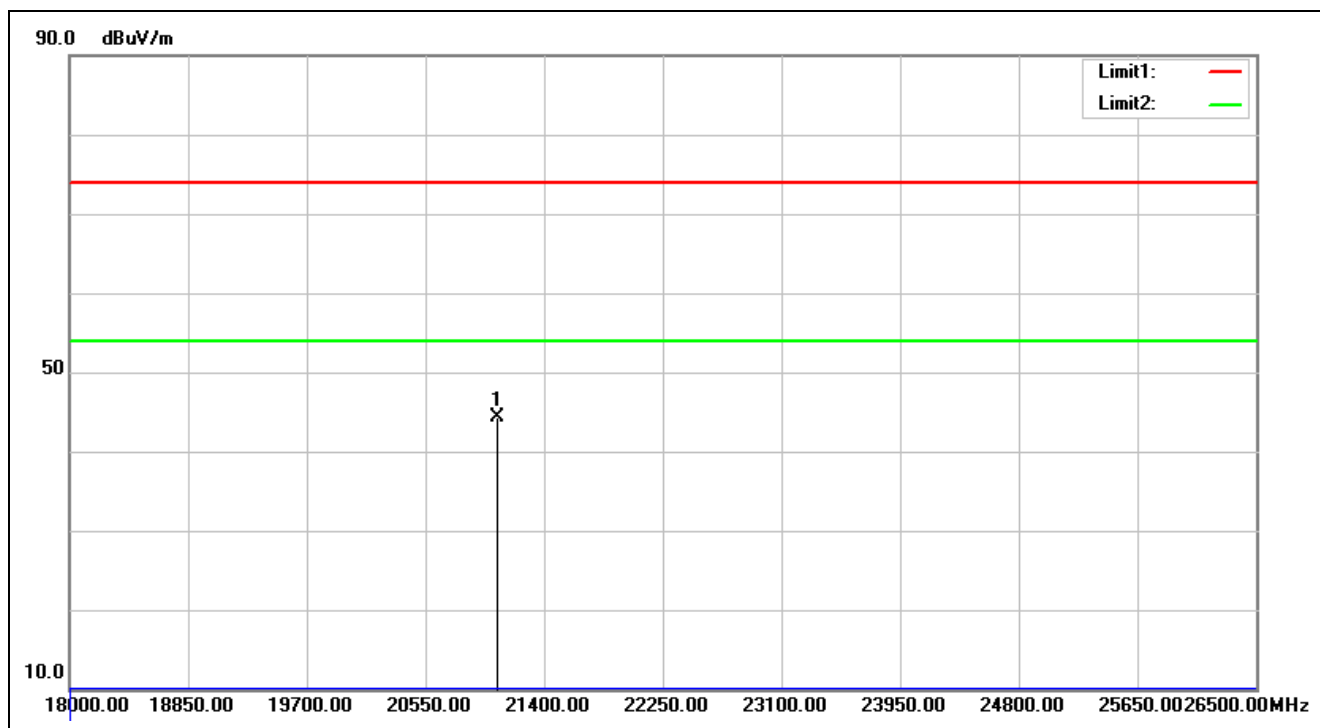
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 19:40:38
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2440		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25786.000	31.72	15.86	47.58	74.00	-26.42	peak			



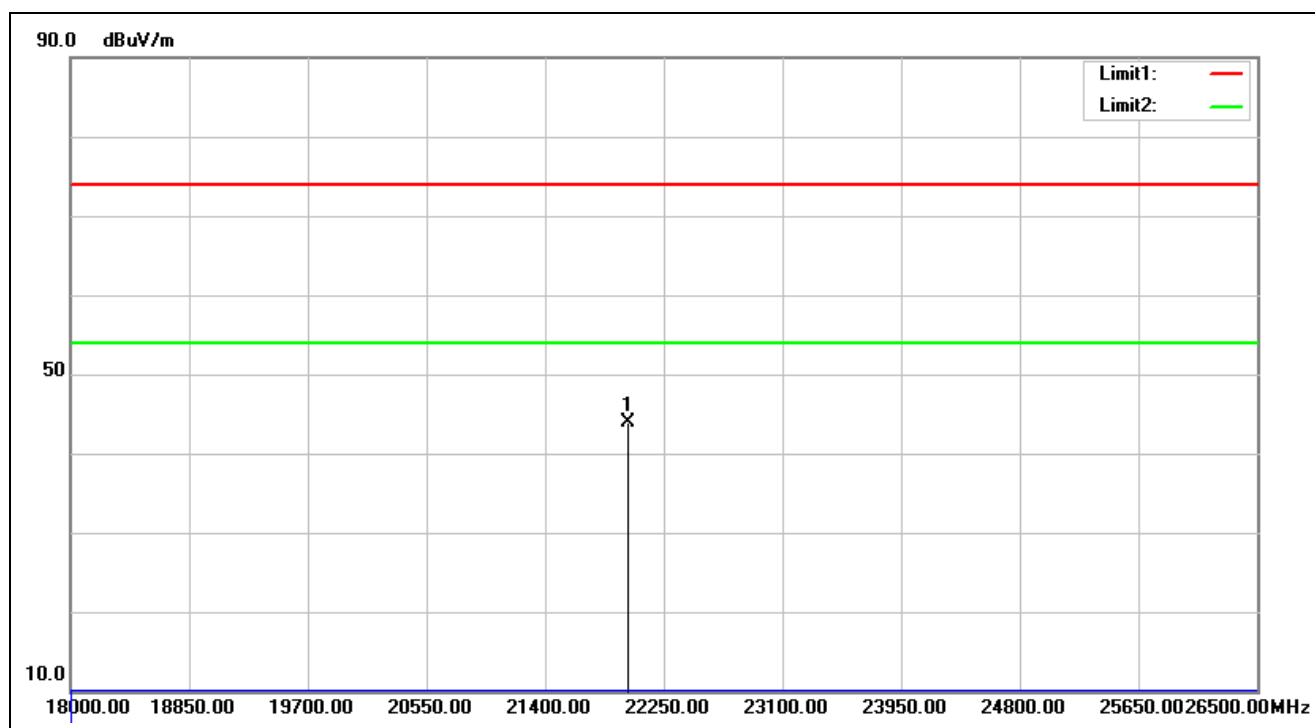
Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 19:40:44
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%):	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2440		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19904.000	29.73	13.94	43.67	74.00	-30.33	peak			



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 19:40:55
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%):	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2474		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21060.000	29.78	14.43	44.21	74.00	-29.79	peak			



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 19:41:05
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%):	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2474		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21995.000	29.71	14.25	43.96	74.00	-30.04	peak			

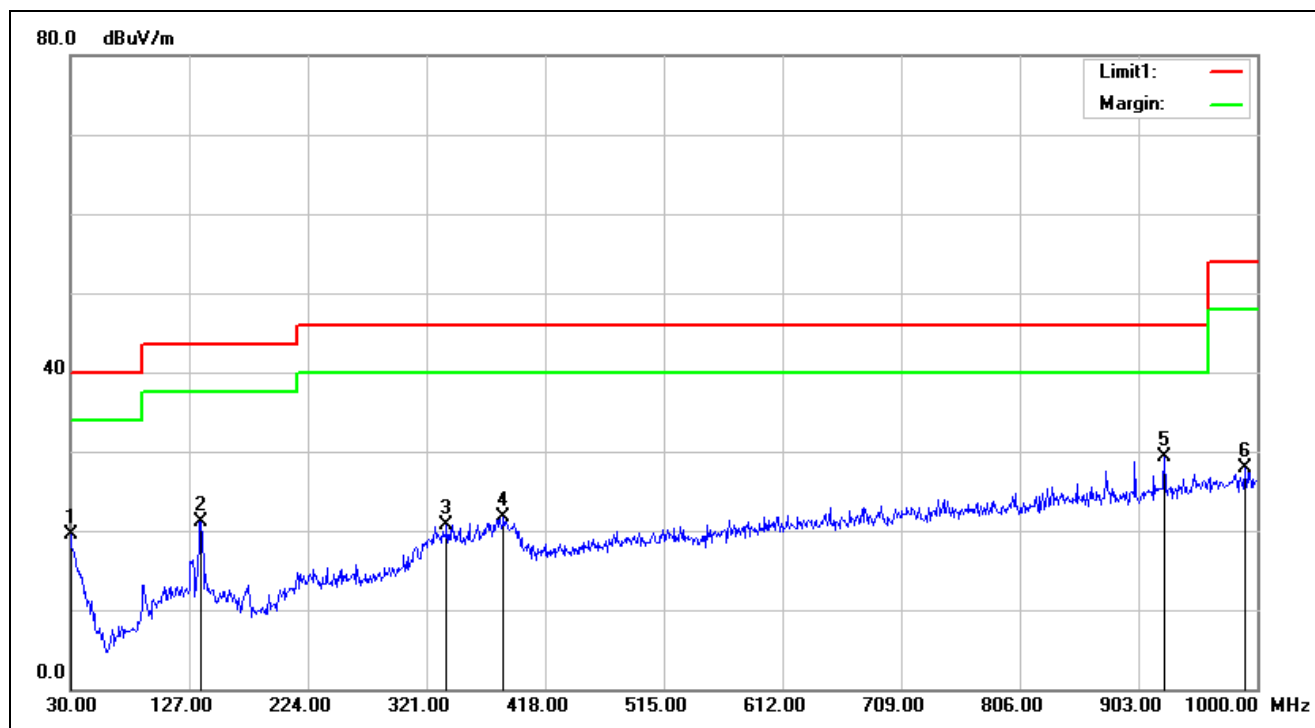
Spurious Emissions, TX Mode, 30M-1G (Second Source)



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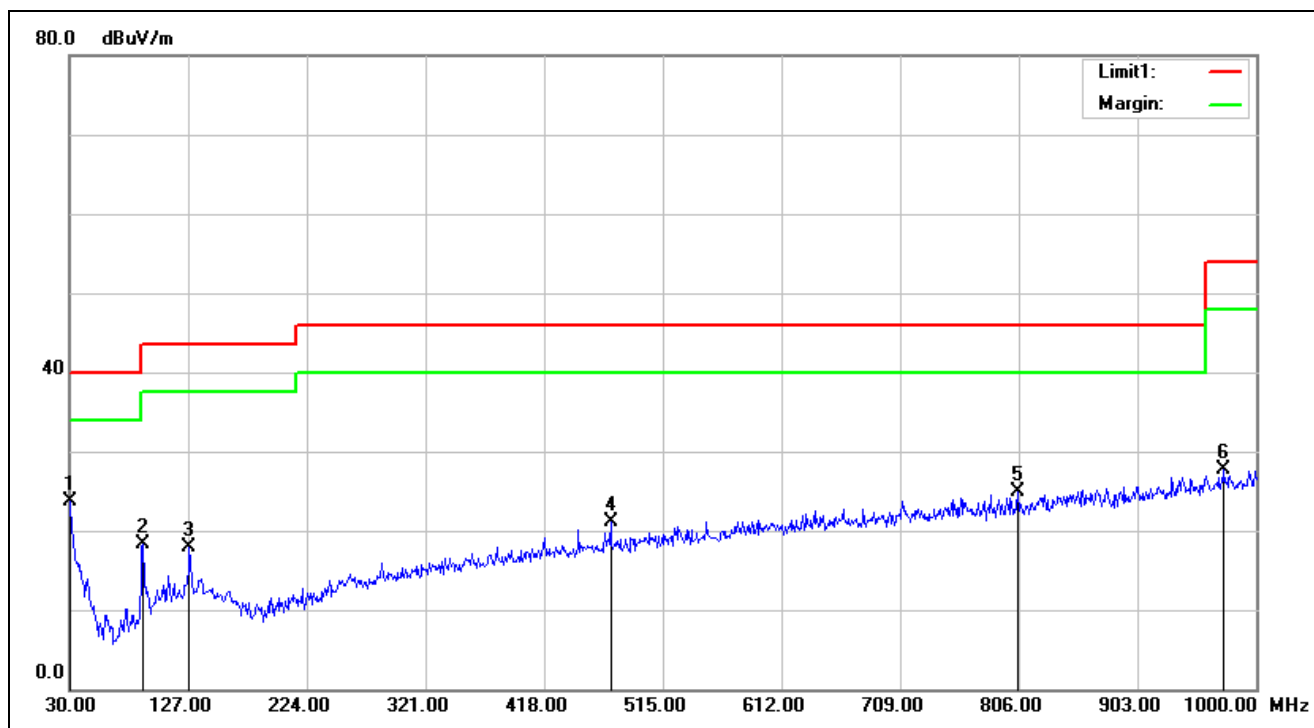
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Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 20:55:12
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2440		
Remark:	2nd source		

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	25.26	19.41	40.00	-20.59	QP	100	22	
2	136.7000	-12.69	33.78	21.09	43.50	-22.41	QP	100	181	
3	337.4900	-9.66	30.32	20.66	46.00	-25.34	QP	100	320	
4	384.0500	-8.90	30.60	21.70	46.00	-24.30	QP	100	306	
5	924.3400	-1.31	30.60	29.29	46.00	-16.71	QP	100	102	
6	990.3000	-0.10	27.91	27.81	54.00	-26.19	QP	100	136	



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 20:56:16
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	TX-2440		
Remark:	2nd source		

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	29.61	23.76	40.00	-16.24	QP	100	274	
2	90.1400	-16.52	34.78	18.26	43.50	-25.24	QP	100	43	
3	127.9700	-12.74	30.60	17.86	43.50	-25.64	QP	100	45	
4	472.3200	-7.71	28.75	21.04	46.00	-24.96	QP	100	269	
5	805.0300	-3.56	28.51	24.95	46.00	-21.05	QP	100	14	
6	973.8100	-0.27	27.96	27.69	54.00	-26.31	QP	100	102	

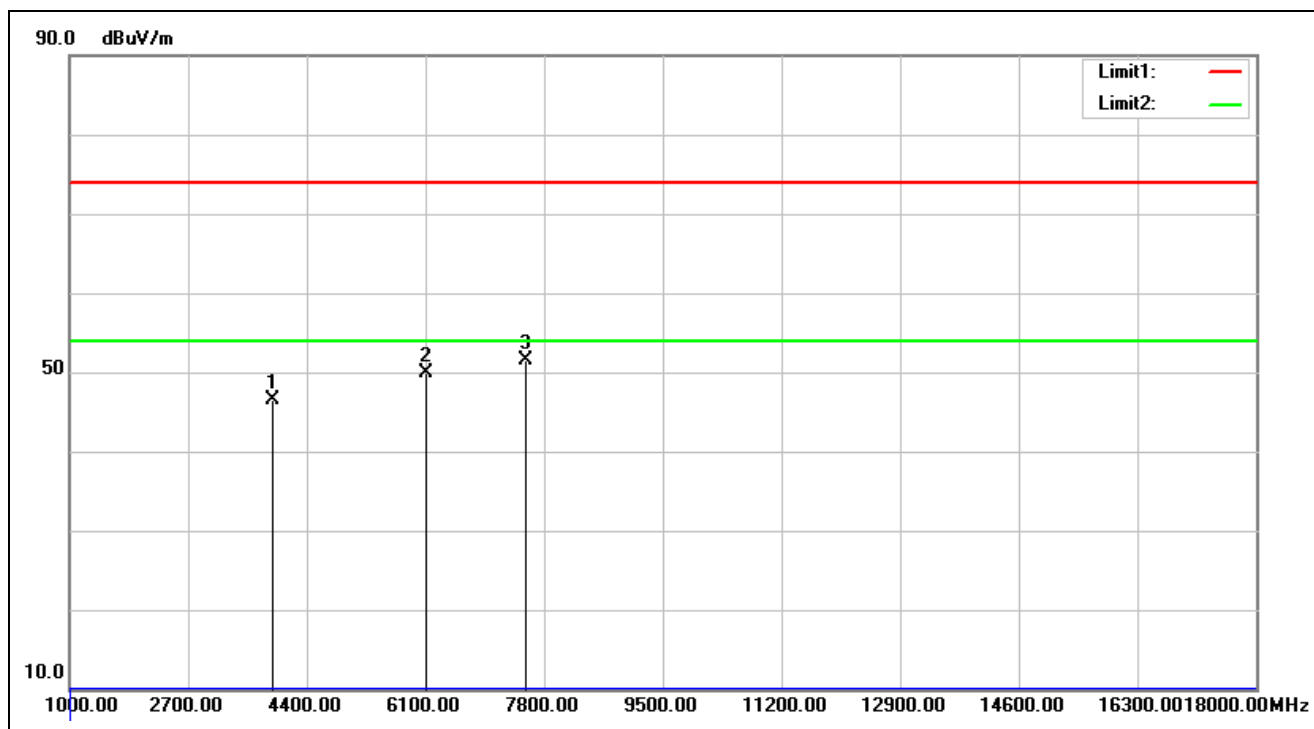
Spurious Emissions, RX Mode, 1G-18G (Second Source)



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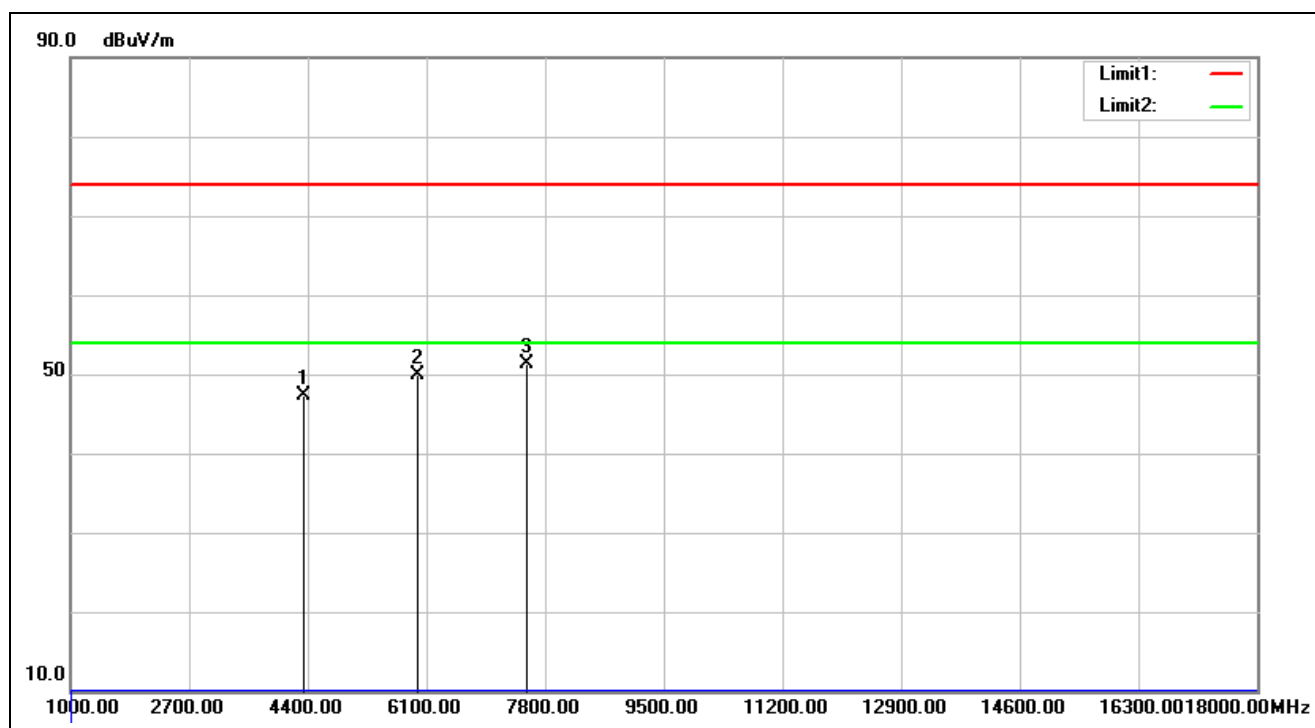
Tel: +886-2172-7000 fax: +886-2528-0018



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 19:33:31
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	RX-2440		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3907.000	-5.33	51.82	46.49	74.00	-27.51	peak	100	338	
2	6100.000	4.25	45.64	49.89	74.00	-24.11	peak	100	77	
3	7528.000	6.32	45.13	51.45	74.00	-22.55	peak	100	72	

Spurious Emissions, RX Mode, 30M-1G



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 19:34:34
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	RX-2440		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4332.000	-4.11	51.32	47.21	74.00	-26.79	peak	100	319	
2	5981.000	3.79	46.18	49.97	74.00	-24.03	peak	100	51	
3	7528.000	6.32	44.93	51.25	74.00	-22.75	peak	100	76	

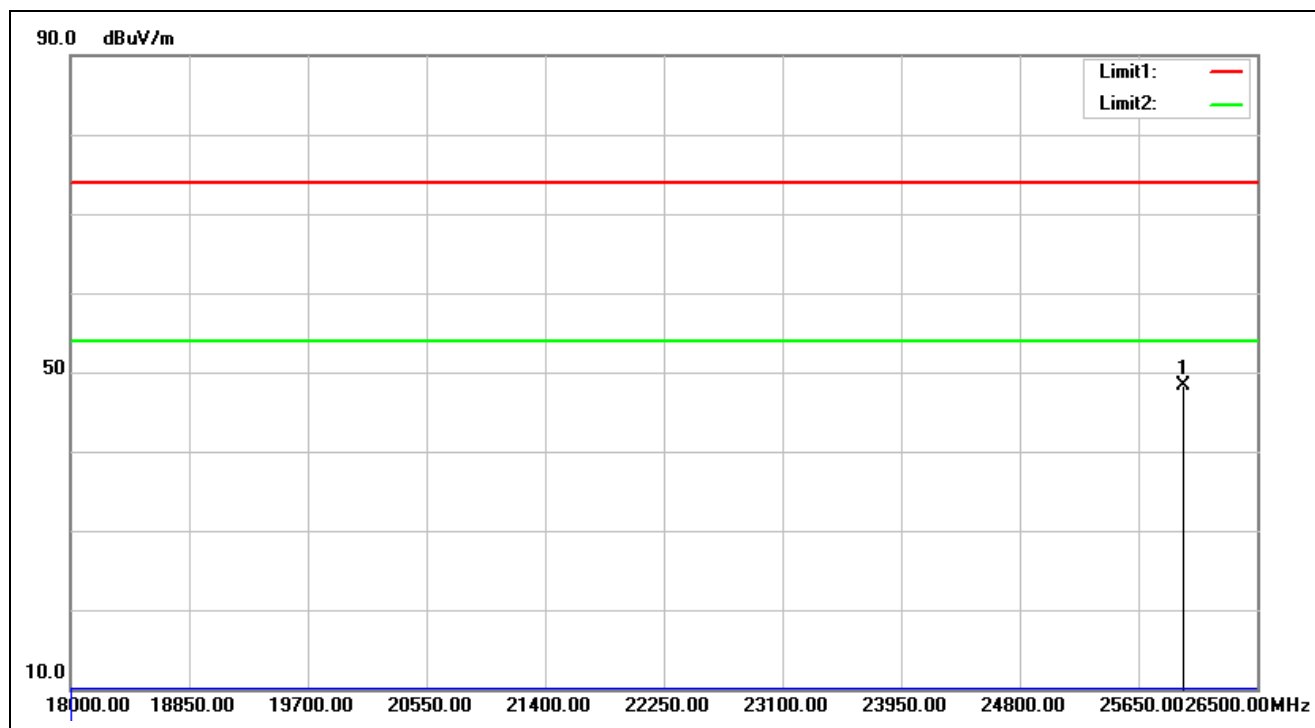
Spurious Emissions, RX Mode, 18G-26G (Second Source)



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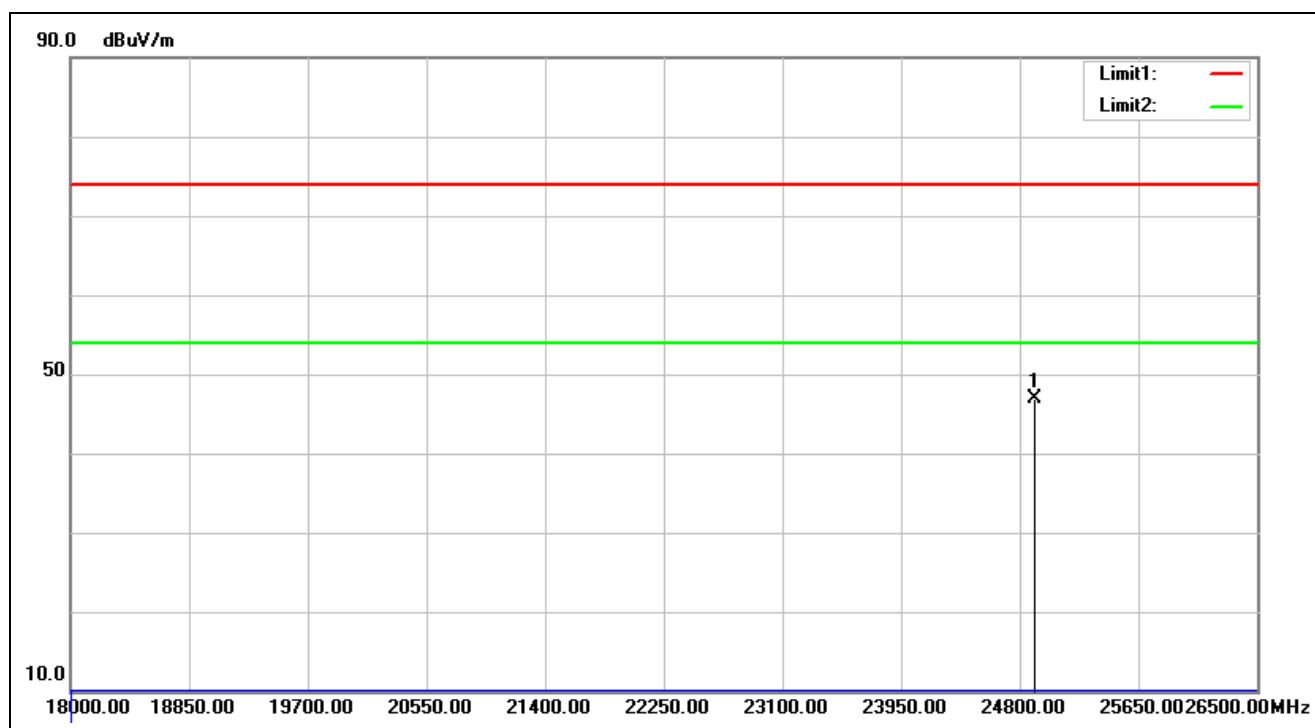
Tel: +886-2172-7000 fax: +886-2528-0018



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 19:41:32
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	RX-2440		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25973.000	31.84	16.52	48.36	74.00	-25.64	peak			

Spurious Emissions, RX Mode, 30M-1G



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 19:41:40
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%):	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	RX-2440		
Remark:	2nd source		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24902.000	31.23	15.63	46.86	74.00	-27.14	peak			

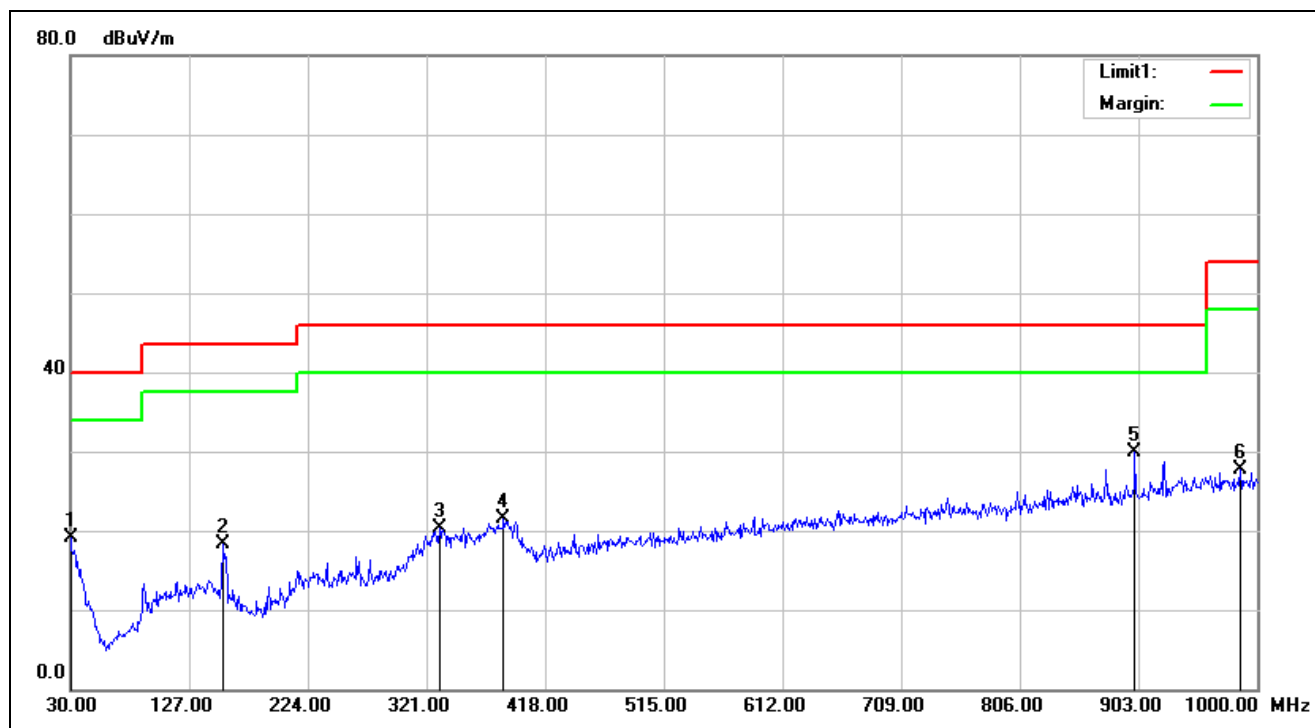
Spurious Emissions, RX Mode, 30M-1G (Second Source)



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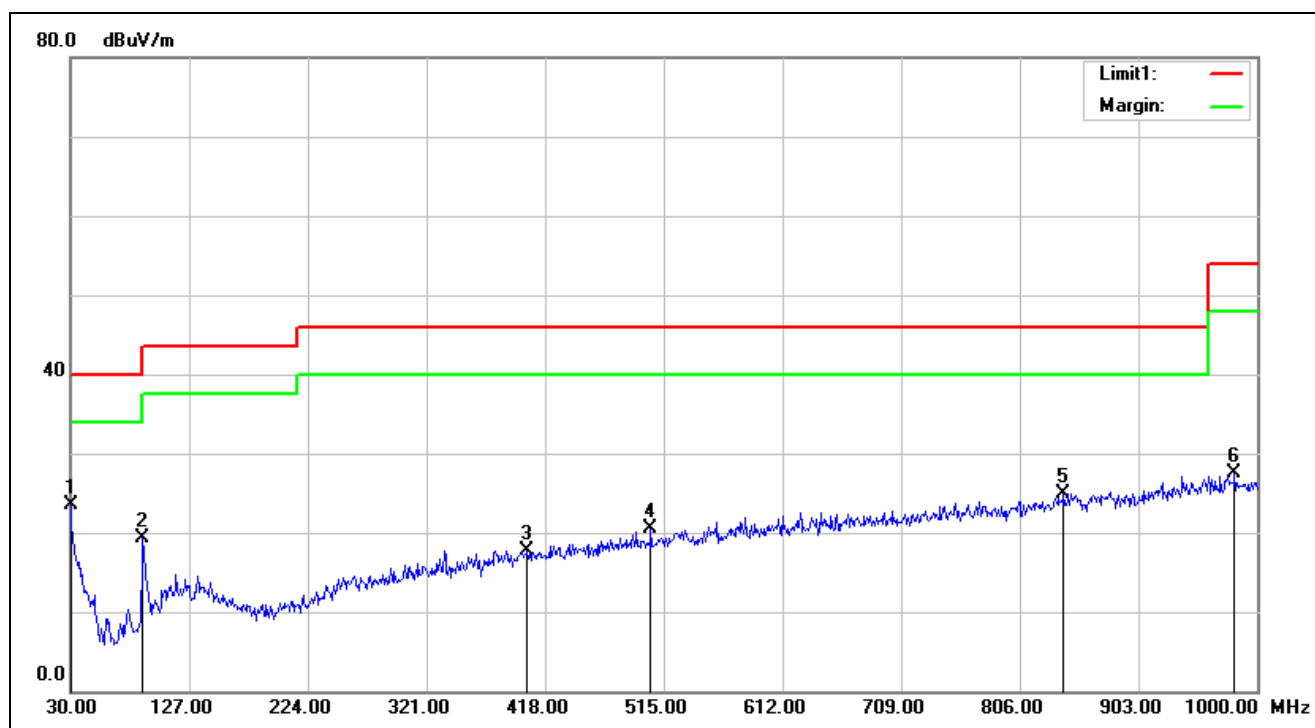
Tel: +886-2172-7000 fax: +886-2528-0018



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2016/5/6 20:58:54
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%)	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	RX-2440		
Remark:	2nd source		

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	25.00	19.15	40.00	-20.85	QP	100	230	
2	154.1600	-13.51	31.75	18.24	43.50	-25.26	QP	100	62	
3	331.6700	-9.78	30.16	20.38	46.00	-25.62	QP	100	307	
4	384.0500	-8.90	30.42	21.52	46.00	-24.48	QP	100	115	
5	900.0900	-2.05	31.92	29.87	46.00	-16.13	QP	100	128	
6	986.4200	-0.13	27.76	27.63	54.00	-26.37	QP	100	296	

Spurious Emissions, RX Mode, 30M-1G



Service No.:	20160506	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2016/5/6 20:59:57
Applicant:	Acrox	Test Rating:	DC 1.5V
Product:	2.4G Mouse	Temp.(°C)/Hum.(%):	22.6(°C)/49%
Model No.:	NS-PNM7013-BK	Test Engineer:	George Yang
Test Mode:	RX-2440		
Remark:	2nd source		

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	29.44	23.59	40.00	-16.41	QP	100	357	
2	89.1700	-16.63	35.96	19.33	43.50	-24.17	QP	100	83	
3	403.4500	-8.64	26.43	17.79	46.00	-28.21	QP	100	261	
4	504.3300	-7.27	27.70	20.43	46.00	-25.57	QP	100	157	
5	841.8900	-2.62	27.55	24.93	46.00	-21.07	QP	100	102	
6	981.5700	-0.18	27.75	27.57	54.00	-26.43	QP	100	282	