

Test Report No.10048360 001

Appendix D: Radiated Spurious Emission Data

(File: 10048360AppendixD)

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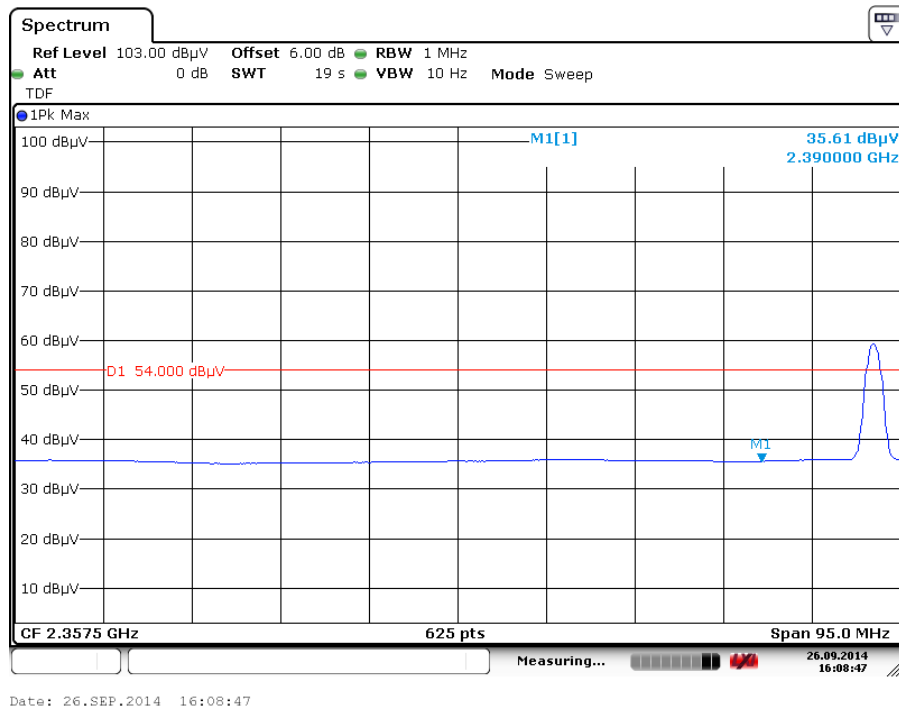
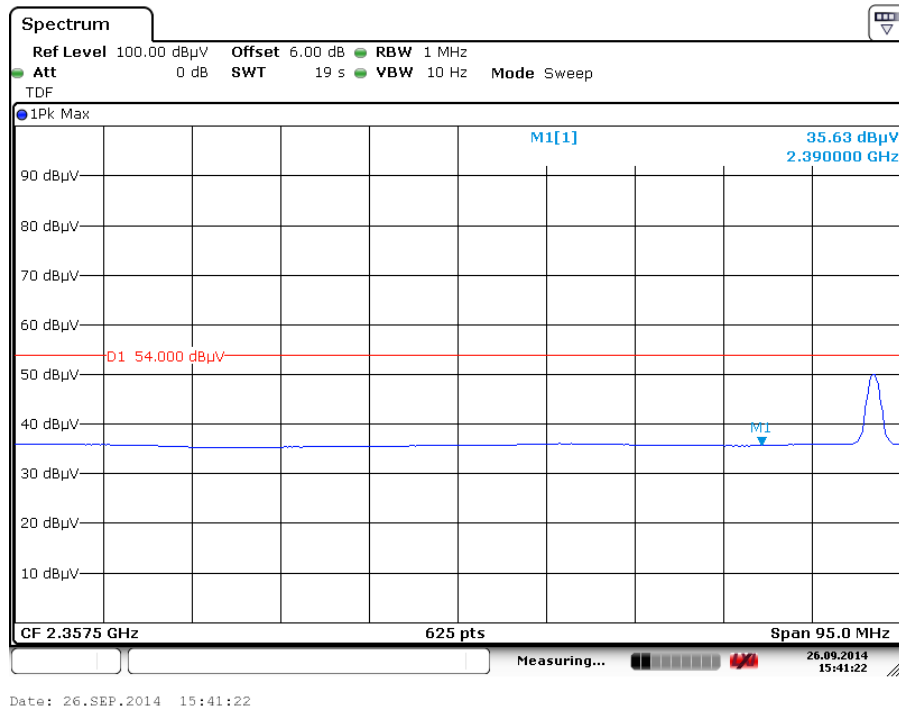
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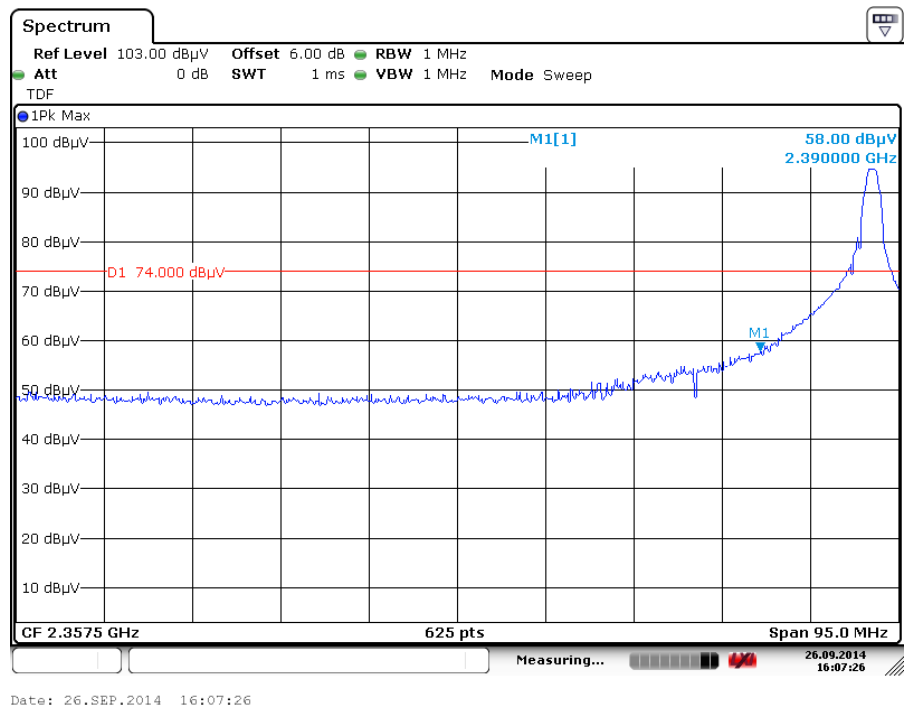
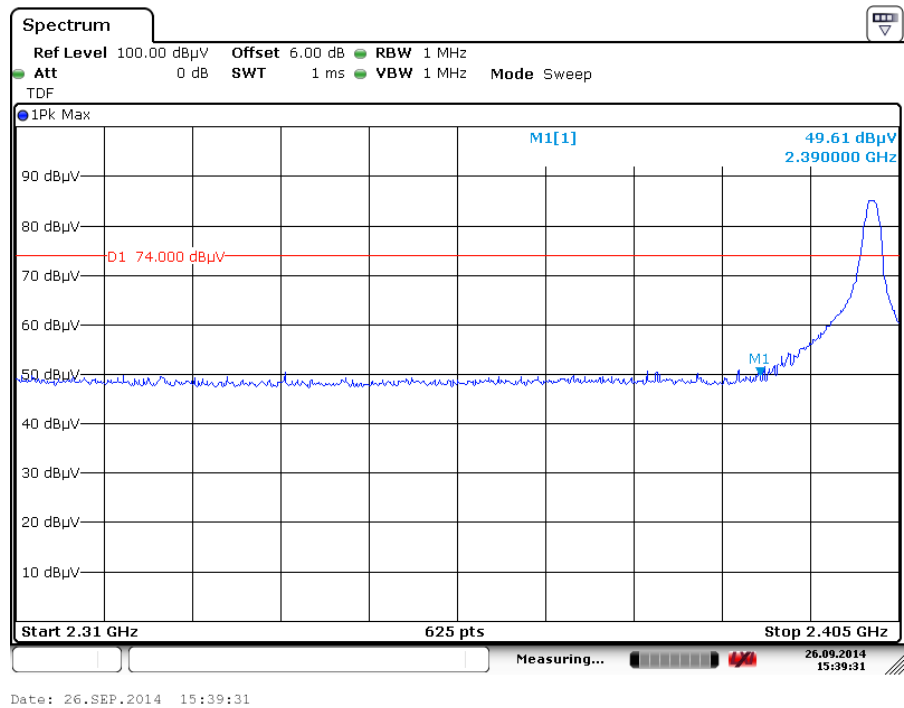
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Radiated Bandedge (GFSK)

Low Channel (Hor)



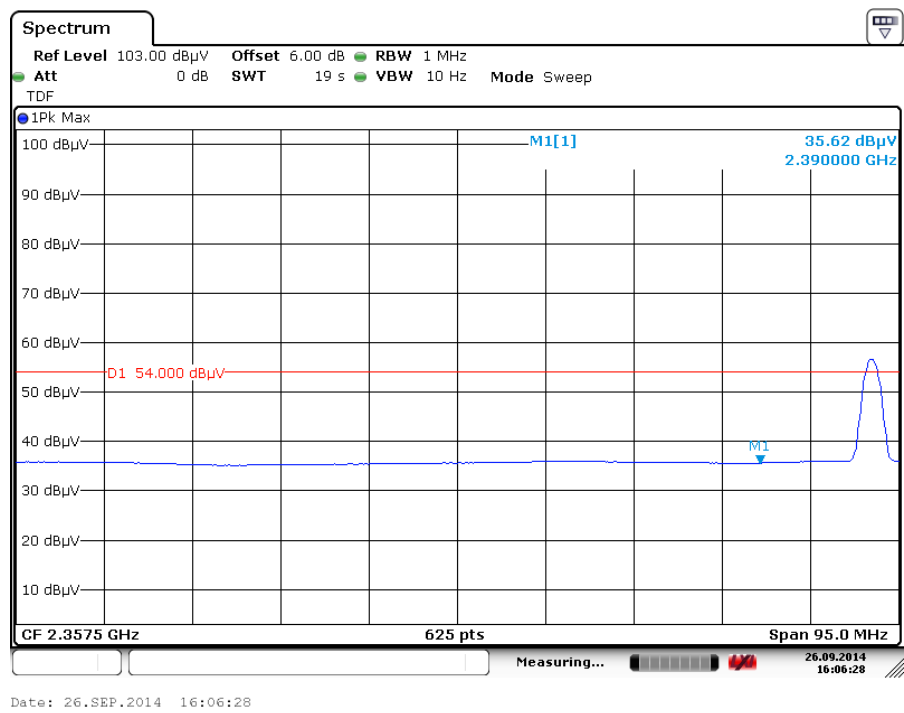
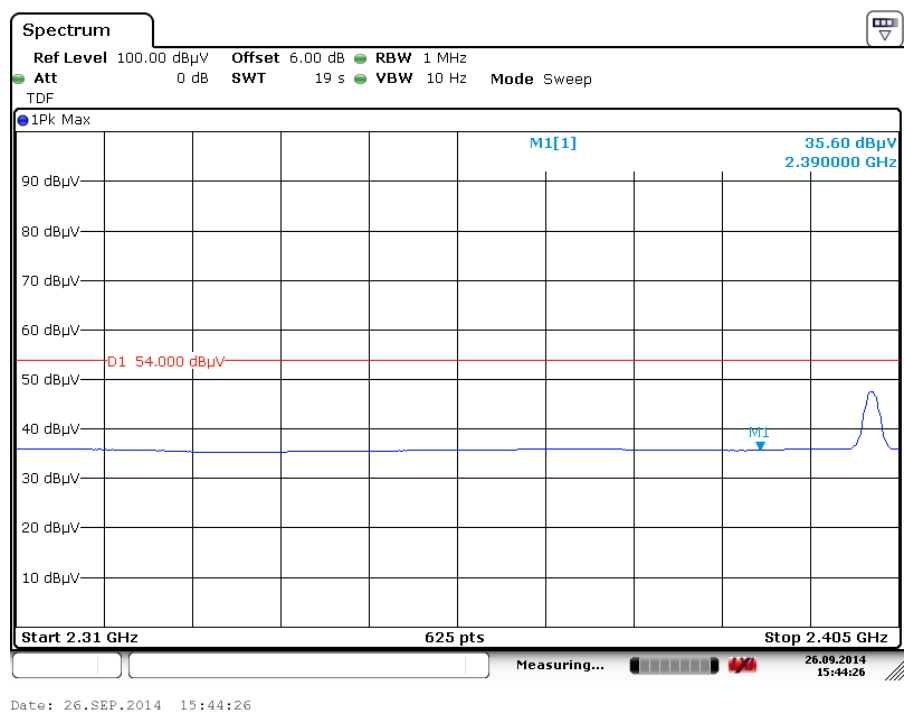
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

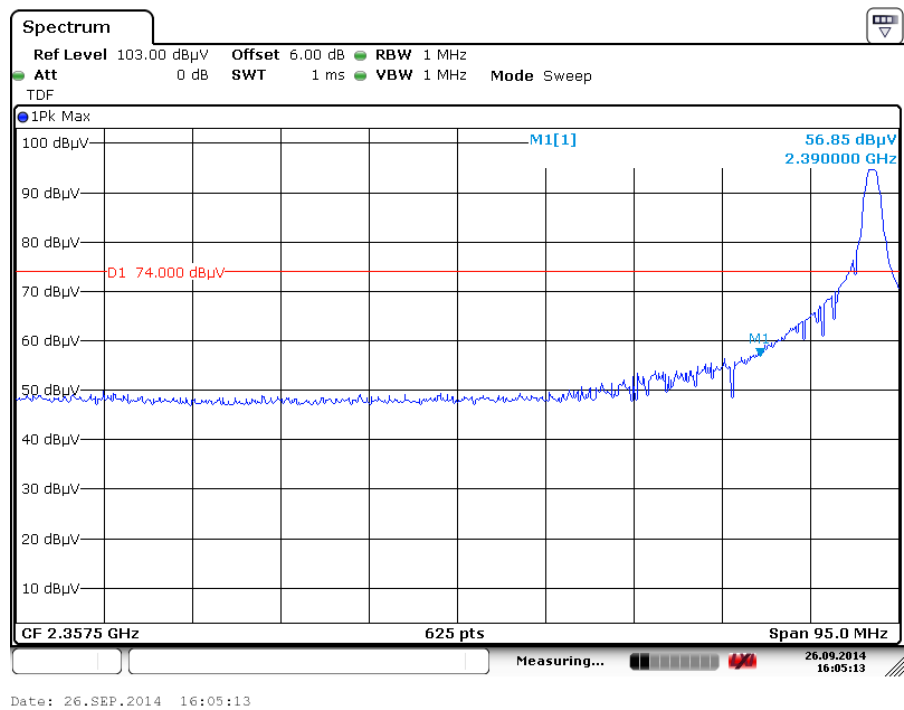
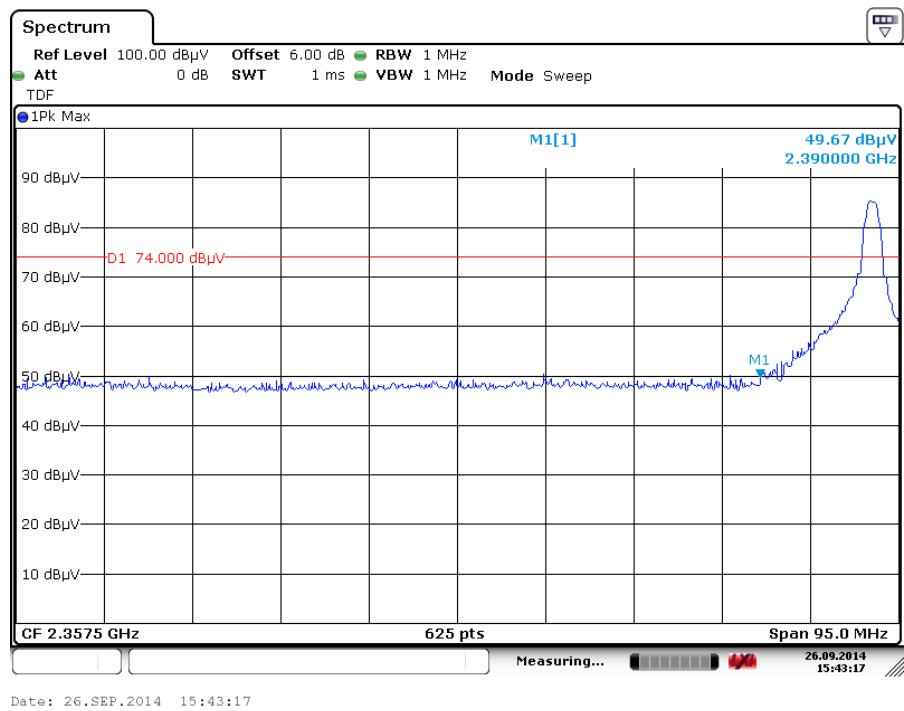
Radiated Bandedge (GFSK)

High Channel (Hor)



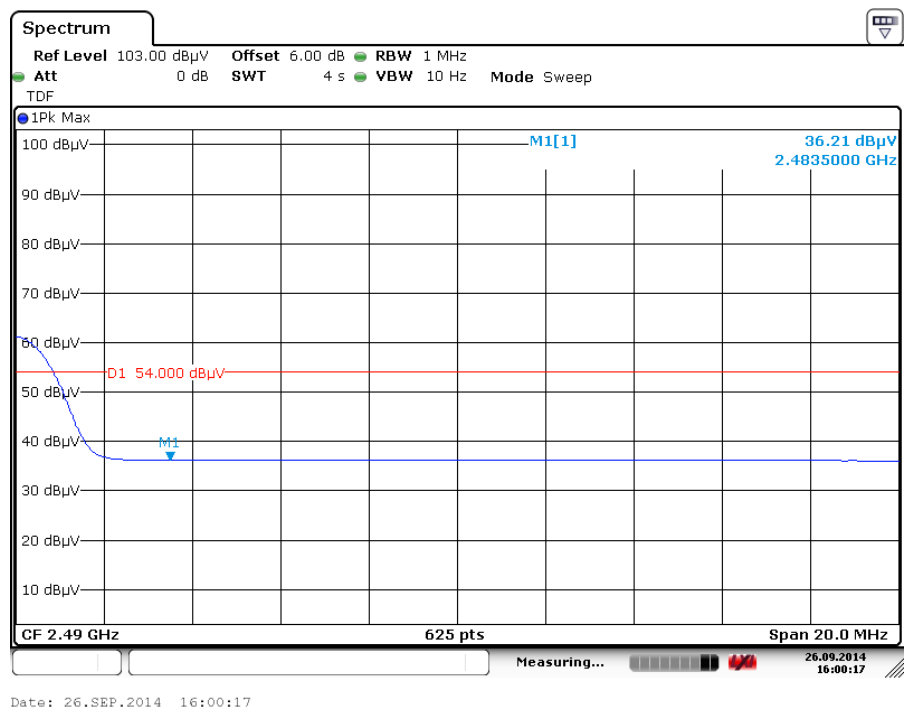
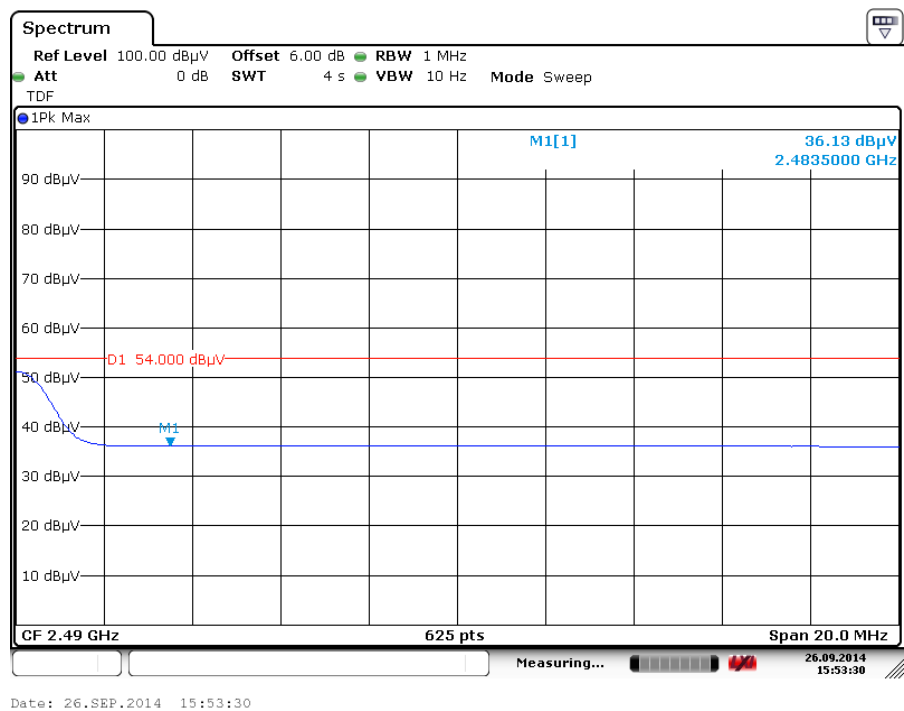
Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



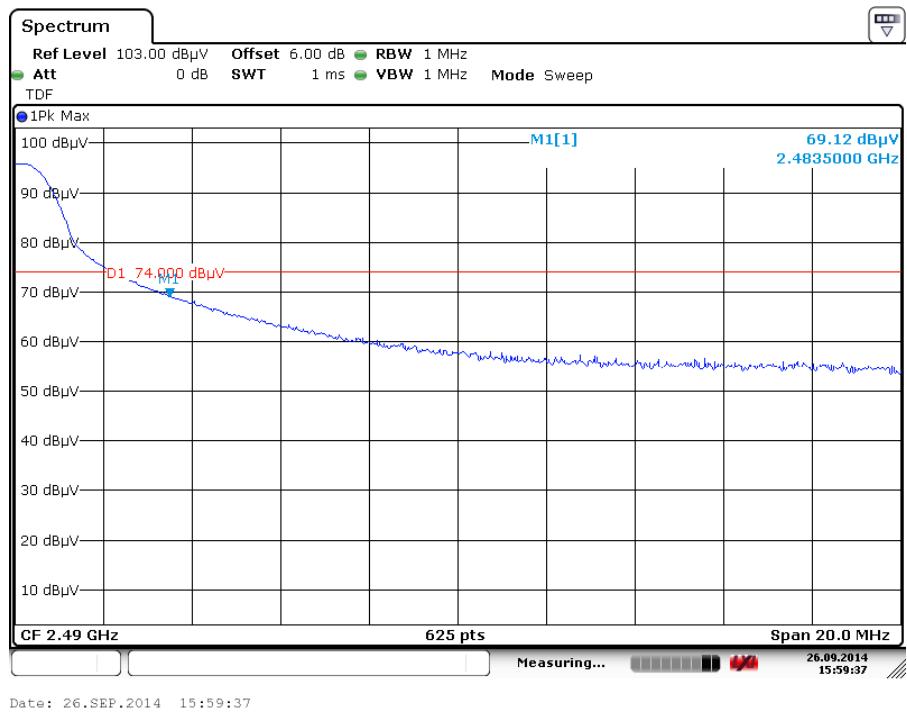
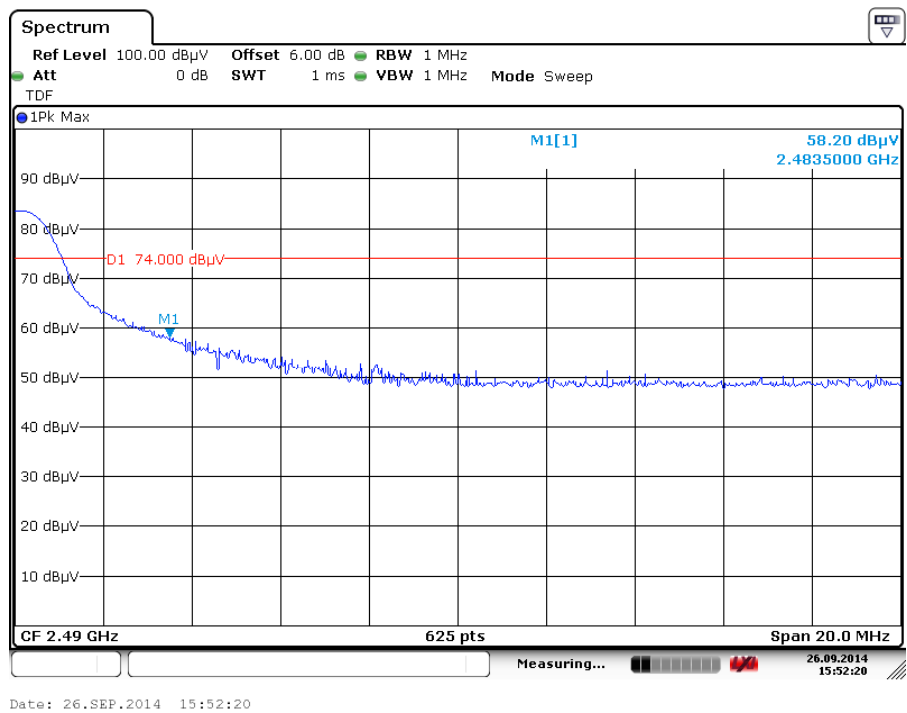
Radiated Bandedge (8DPSK)

Low Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

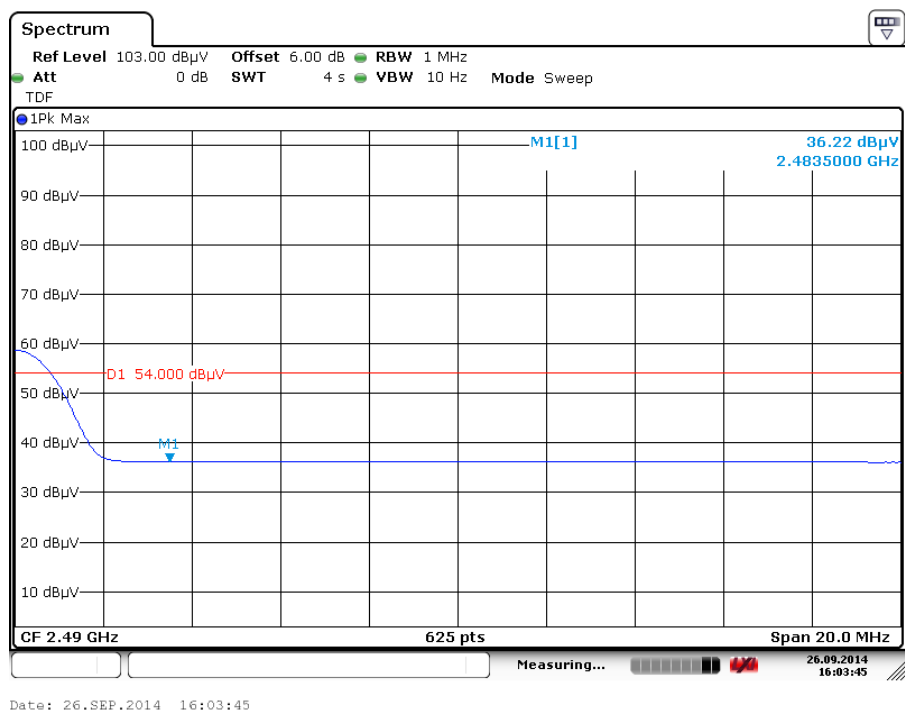
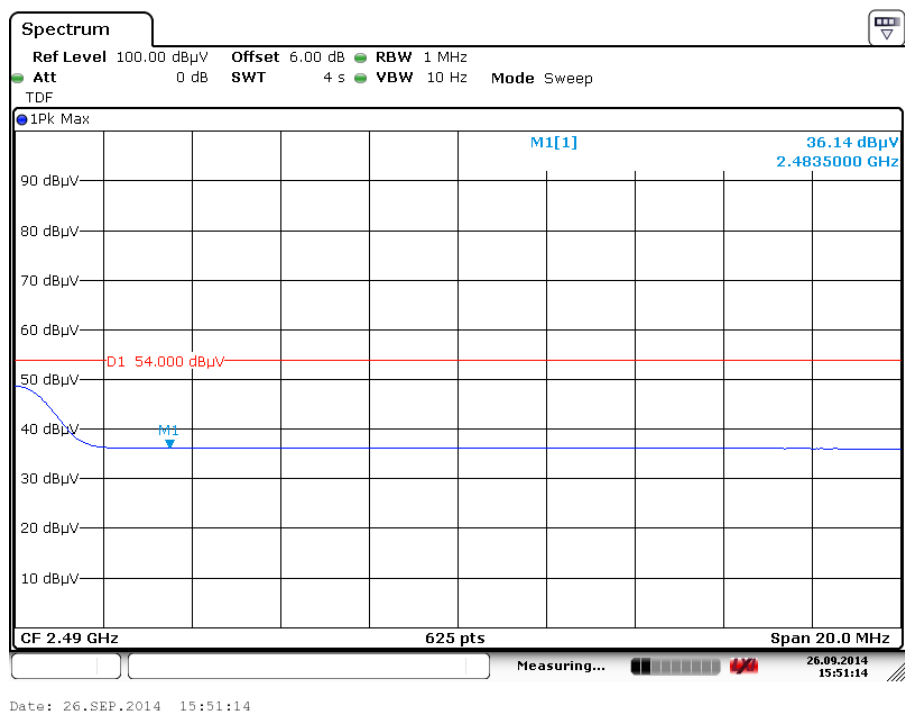
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

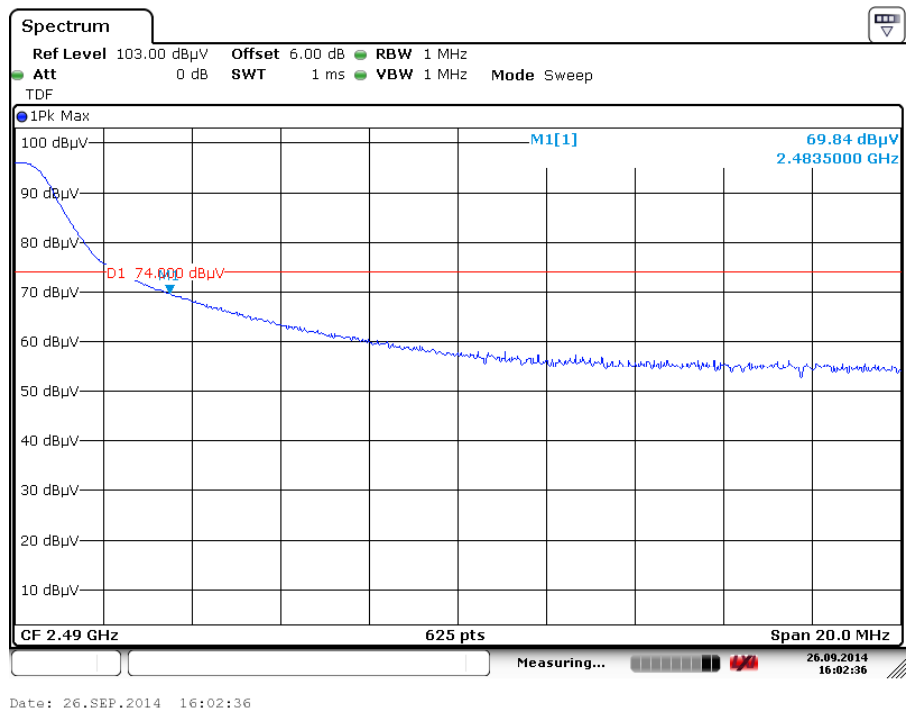
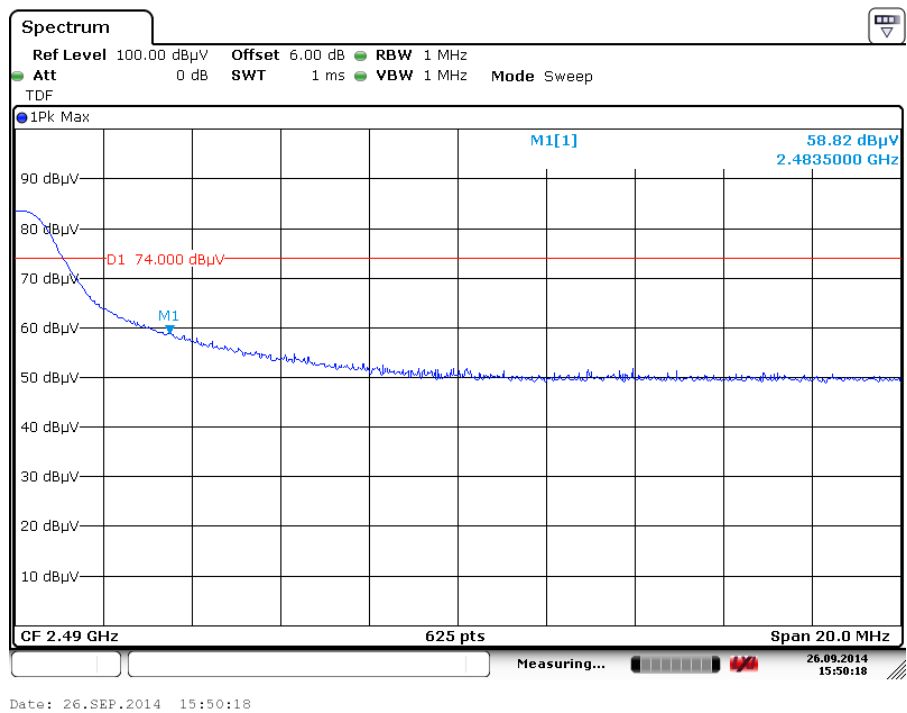
Radiated Bandedge (8DPSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)

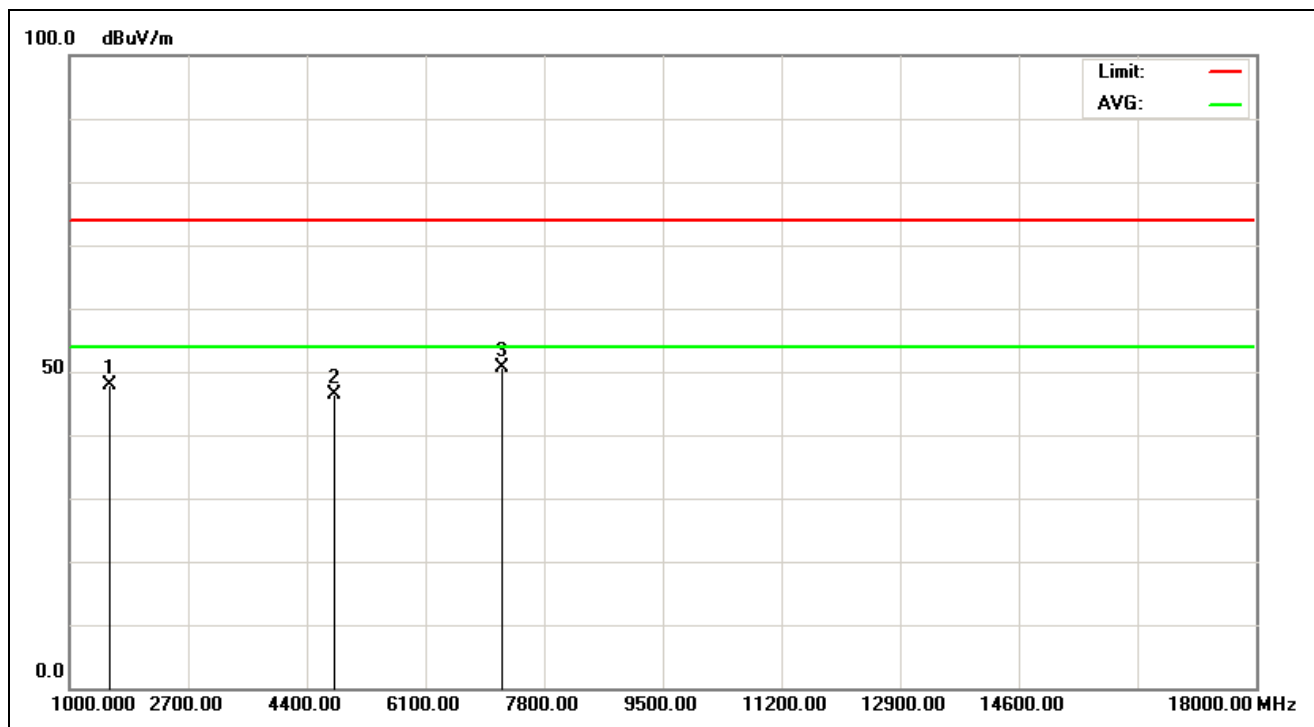


Spurious Emissions, Band Edge, 2.35-2.5G

Spurious Emissions, TX Mode, 1-18G

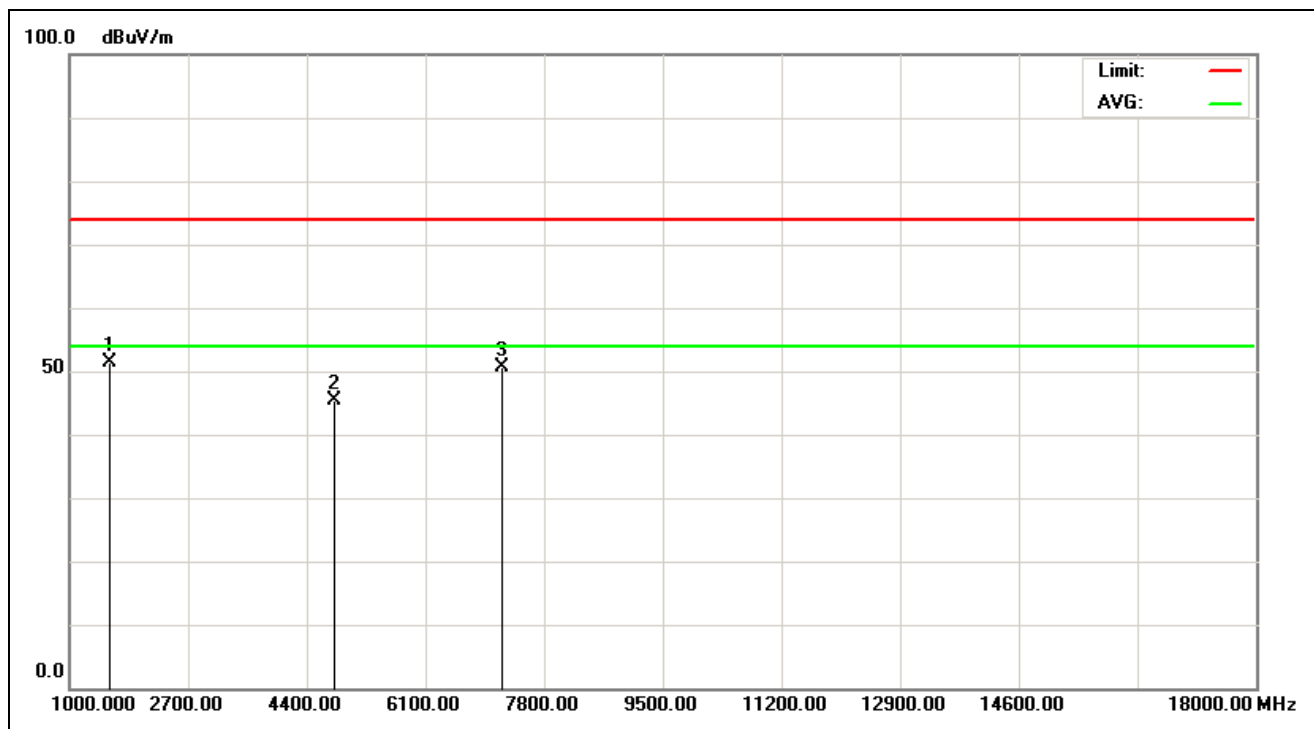


TUV Rheinland Taiwan
 11F.,No.758,Sec. 4,Bade Rd.,Songsshan Dist.,Taipei 105,Taiwan
 Tel:+886-2-2172-7000 Fax:+886-2-2528-0018



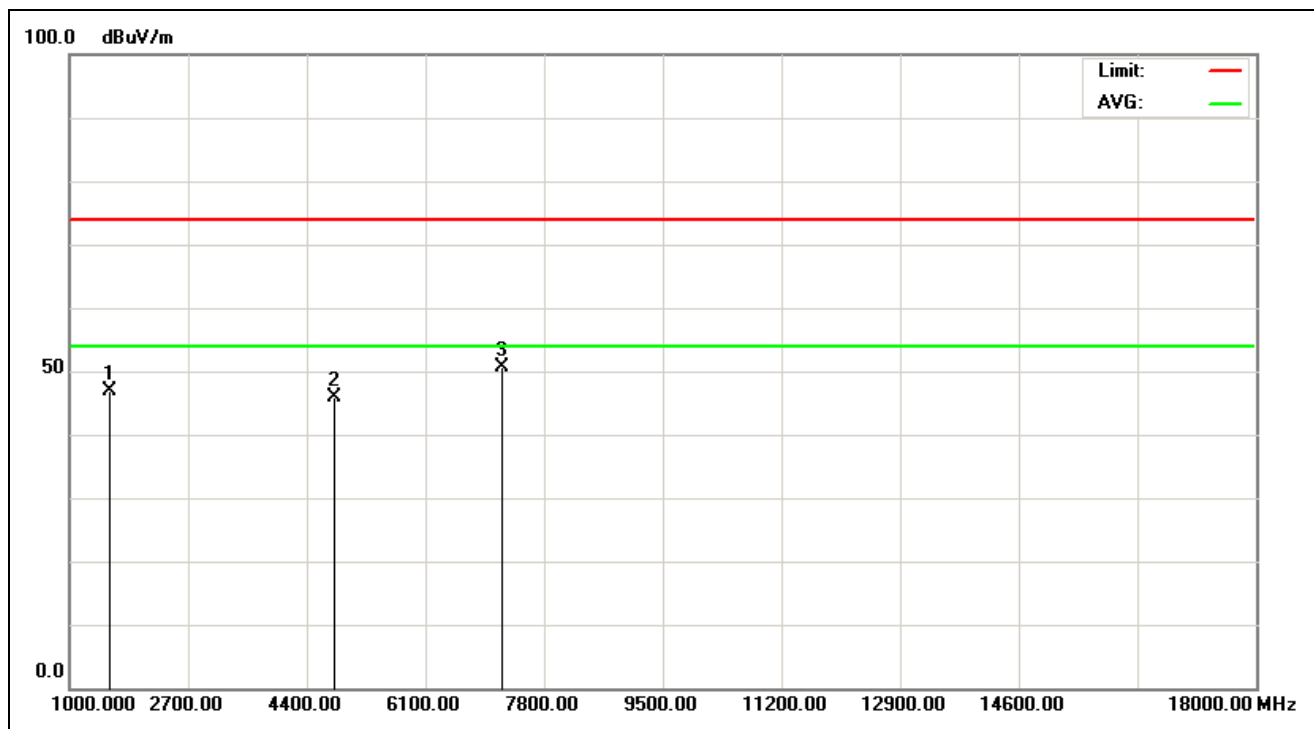
Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/26 16:11:22
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%)	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2402_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1572.115	-10.20	58.12	47.92	74.00	-26.08	peak			
2	4804.000	-2.59	48.86	46.27	74.00	-27.73	peak			
3	7206.000	5.44	45.13	50.57	74.00	-23.43	peak			



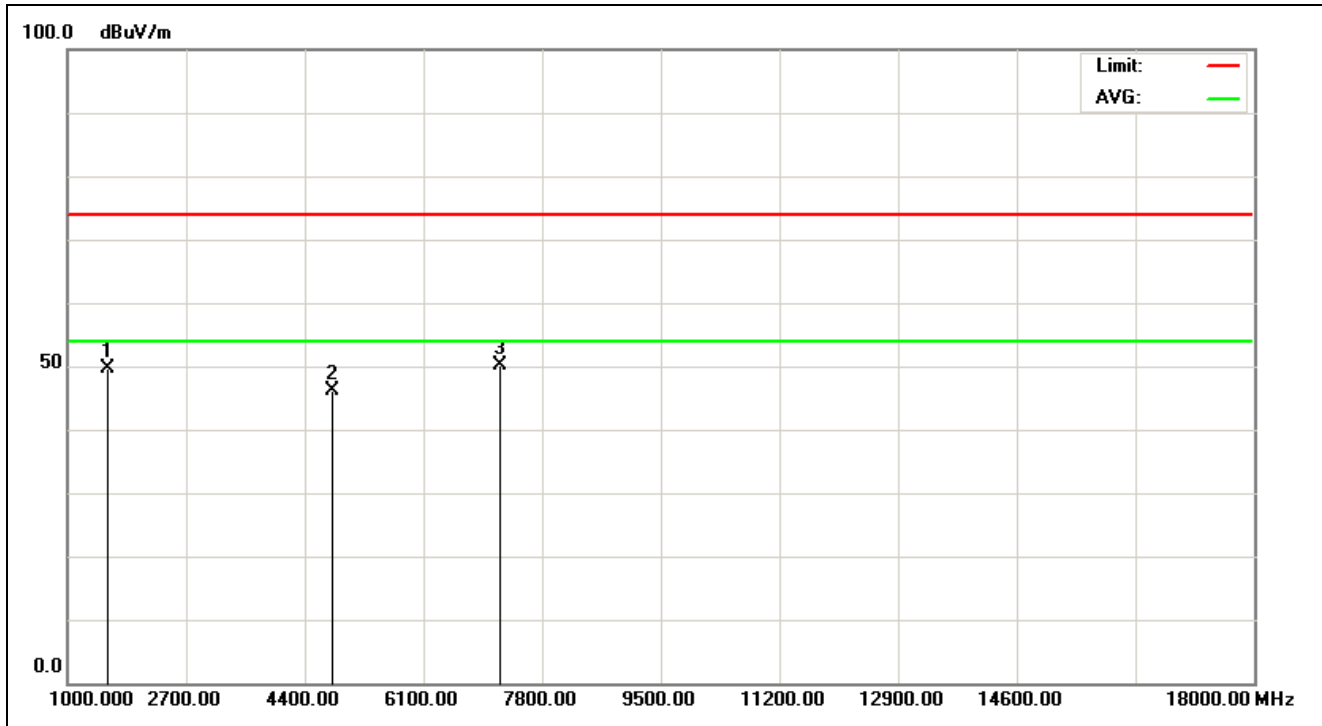
Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/26 16:12:25
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%)	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2402_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1572.115	-10.20	61.62	51.42	74.00	-22.58	peak			
2	4804.000	-2.59	47.89	45.30	74.00	-28.70	peak			
3	7206.000	5.44	45.08	50.52	74.00	-23.48	peak			



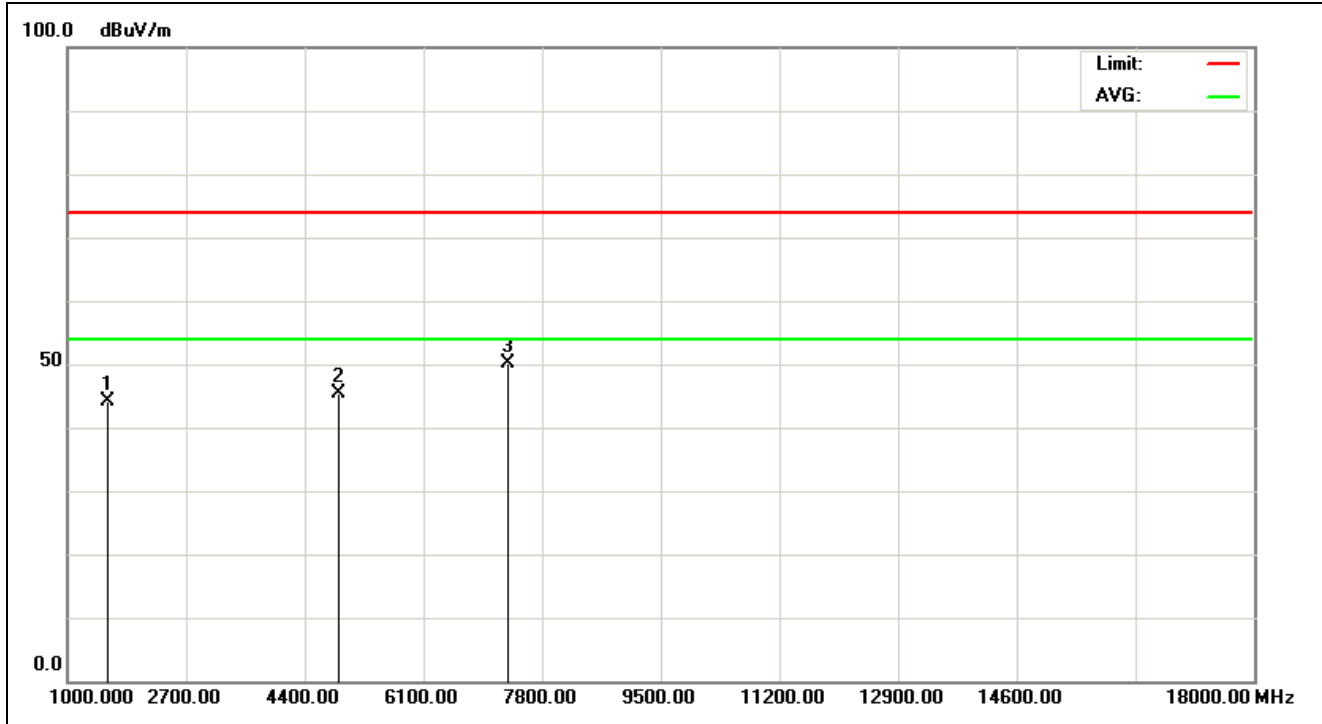
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Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2402_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1572.115	-10.20	57.04	46.84	74.00	-27.16	peak			
2	4804.000	-2.59	48.48	45.89	74.00	-28.11	peak			
3	7206.000	5.44	45.24	50.68	74.00	-23.32	peak			



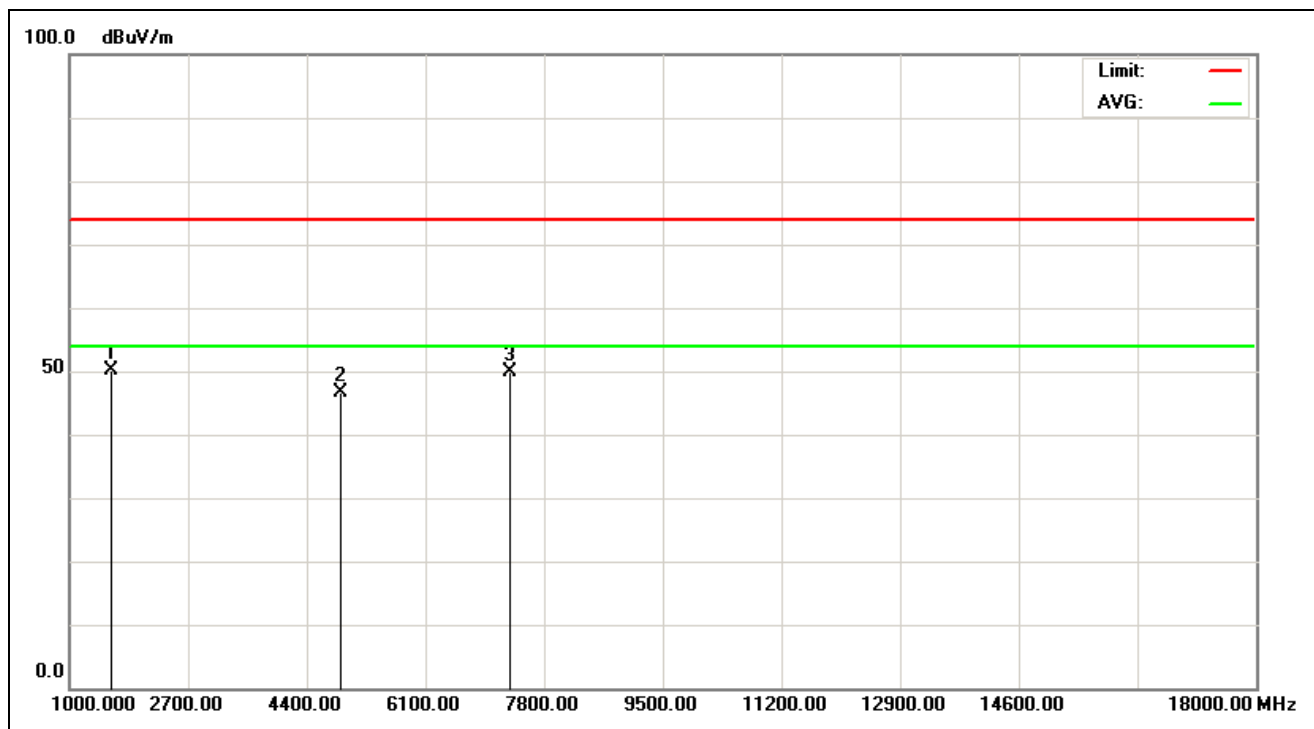
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Test item:	Radiation Emission	Test Time:	2014/9/26 16:21:32
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2402_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1572.115	-10.20	59.95	49.75	74.00	-24.25	peak			
2	4804.000	-2.59	48.78	46.19	74.00	-27.81	peak			
3	7206.000	5.44	44.63	50.07	74.00	-23.93	peak			



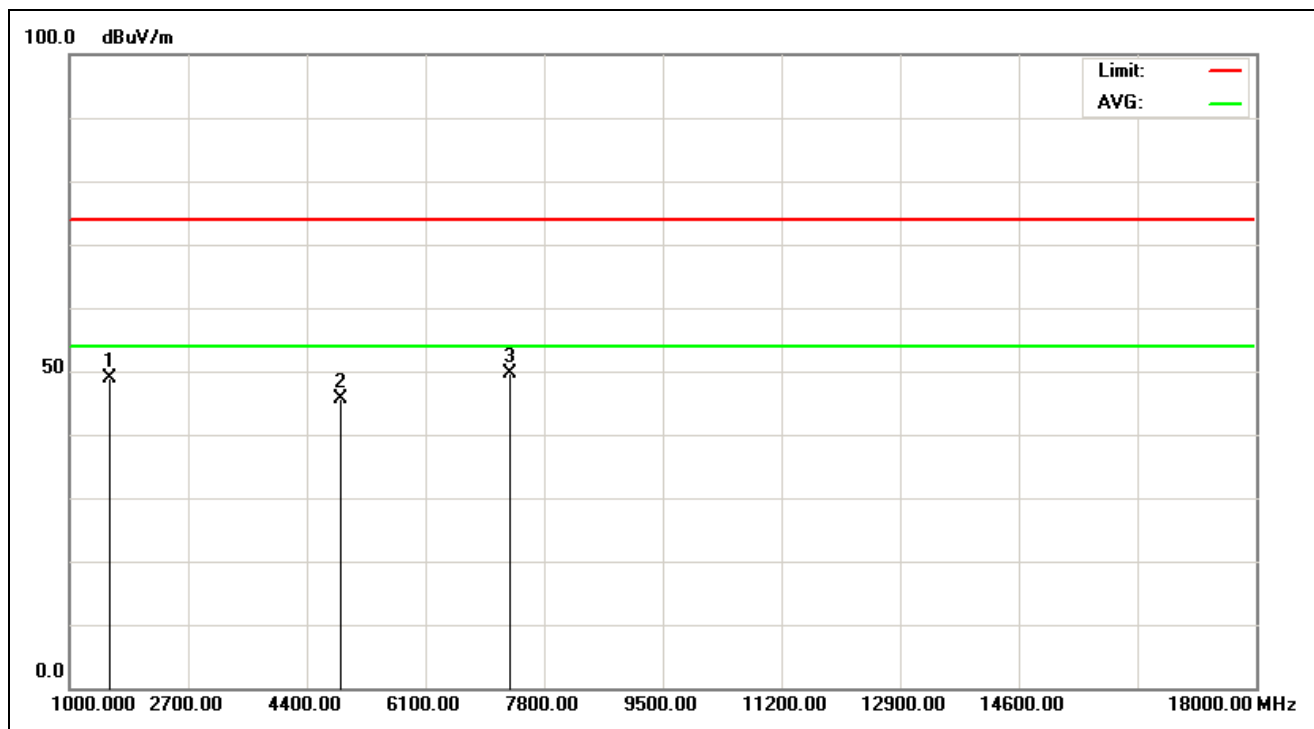
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Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%)	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2441_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1572.115	-10.20	54.33	44.13	74.00	-29.87	peak			
2	4882.000	-2.39	47.84	45.45	74.00	-28.55	peak			
3	7323.000	5.76	44.49	50.25	74.00	-23.75	peak			



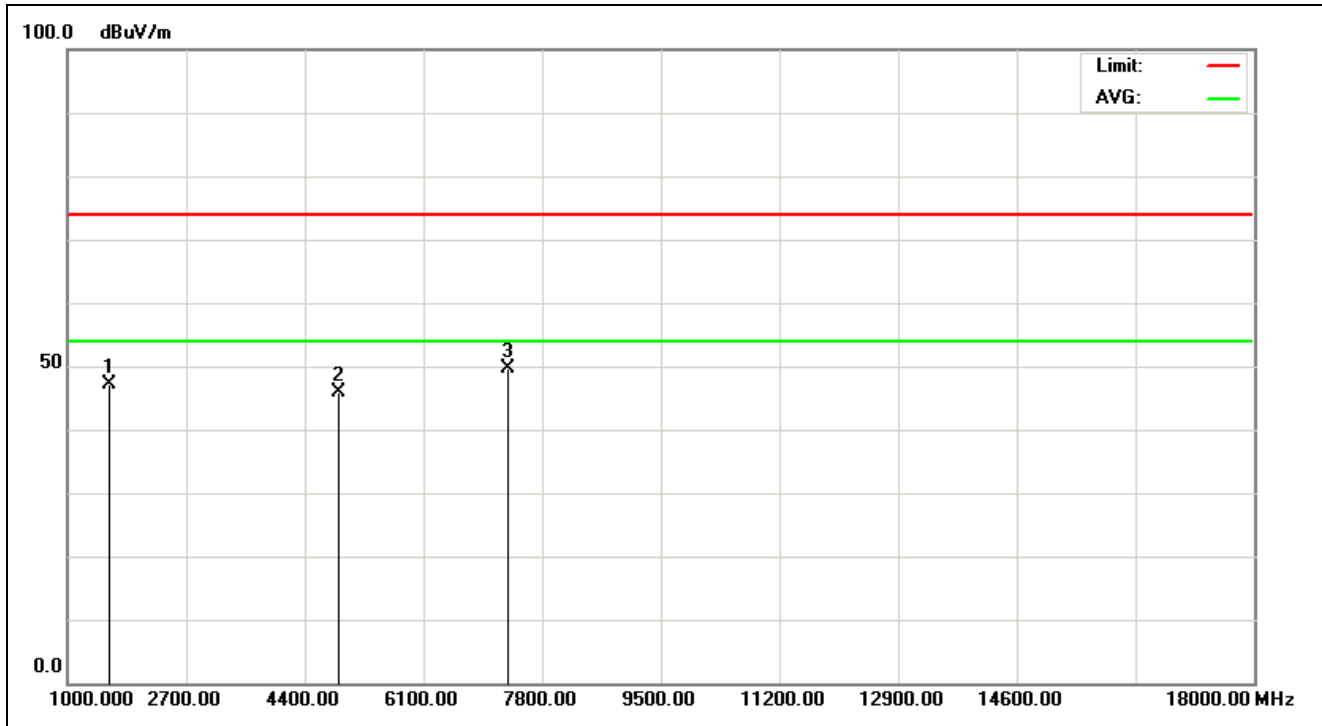
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Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%)	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2441_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1599.359	-10.03	60.05	50.02	74.00	-23.98	peak			
2	4882.000	-2.39	48.92	46.53	74.00	-27.47	peak			
3	7323.000	5.76	44.20	49.96	74.00	-24.04	peak			



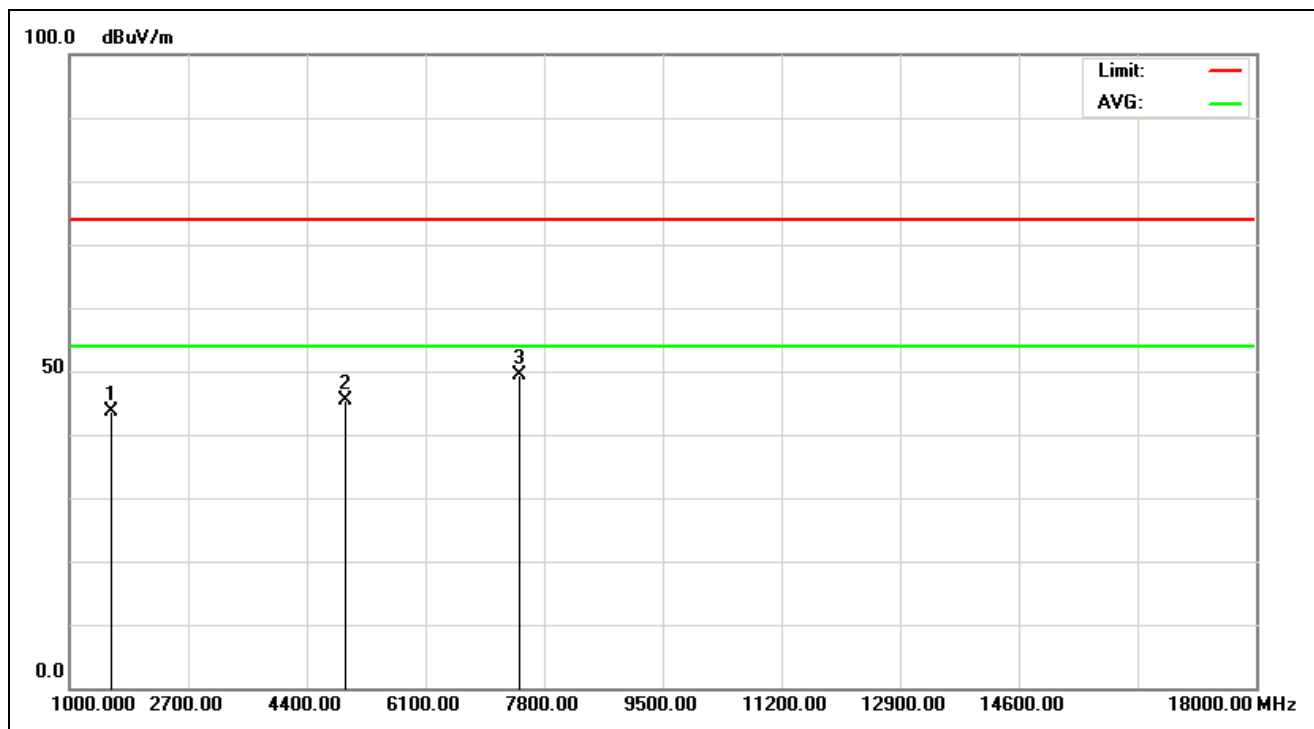
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Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2441_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1572.115	-10.20	59.12	48.92	74.00	-25.08	peak			
2	4882.000	-2.39	48.05	45.66	74.00	-28.34	peak			
3	7323.000	5.76	43.86	49.62	74.00	-24.38	peak			



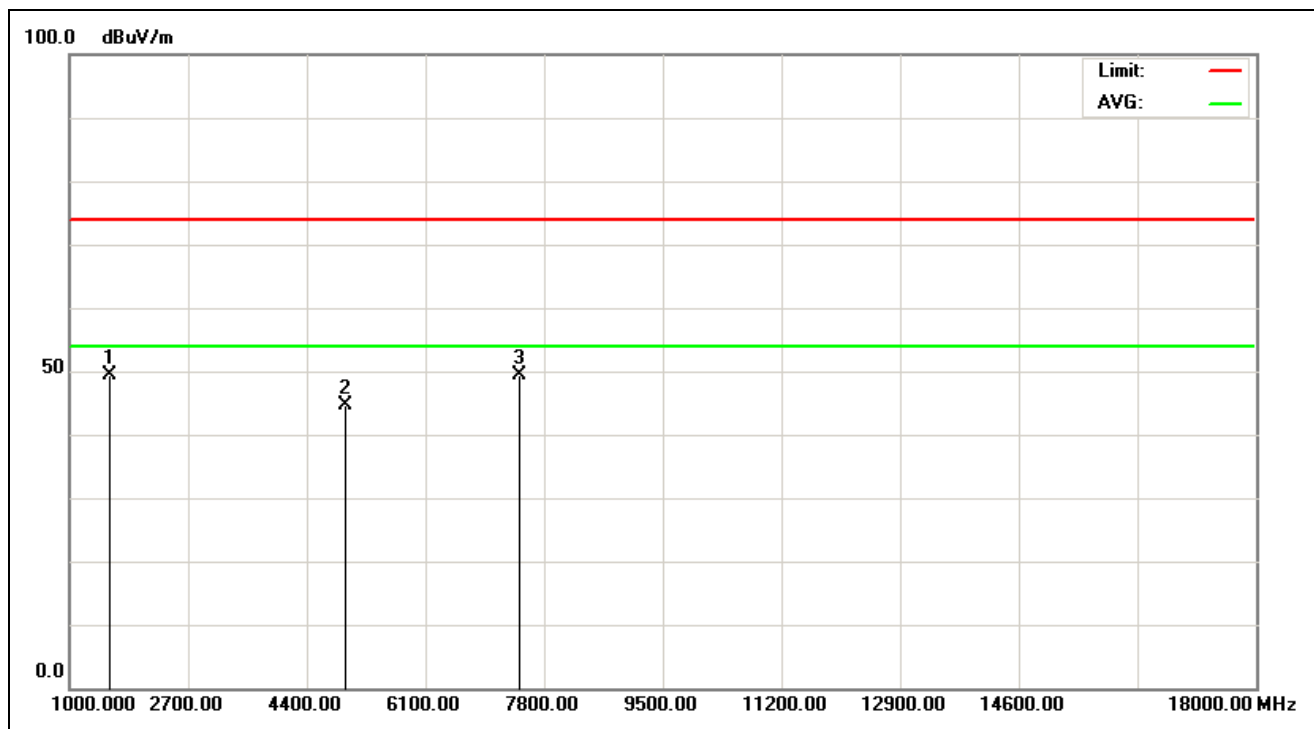
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/26 16:24:05
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%)	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2441_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1599.359	-10.03	57.19	47.16	74.00	-26.84	peak			
2	4882.000	-2.39	48.22	45.83	74.00	-28.17	peak			
3	7323.000	5.76	43.81	49.57	74.00	-24.43	peak			



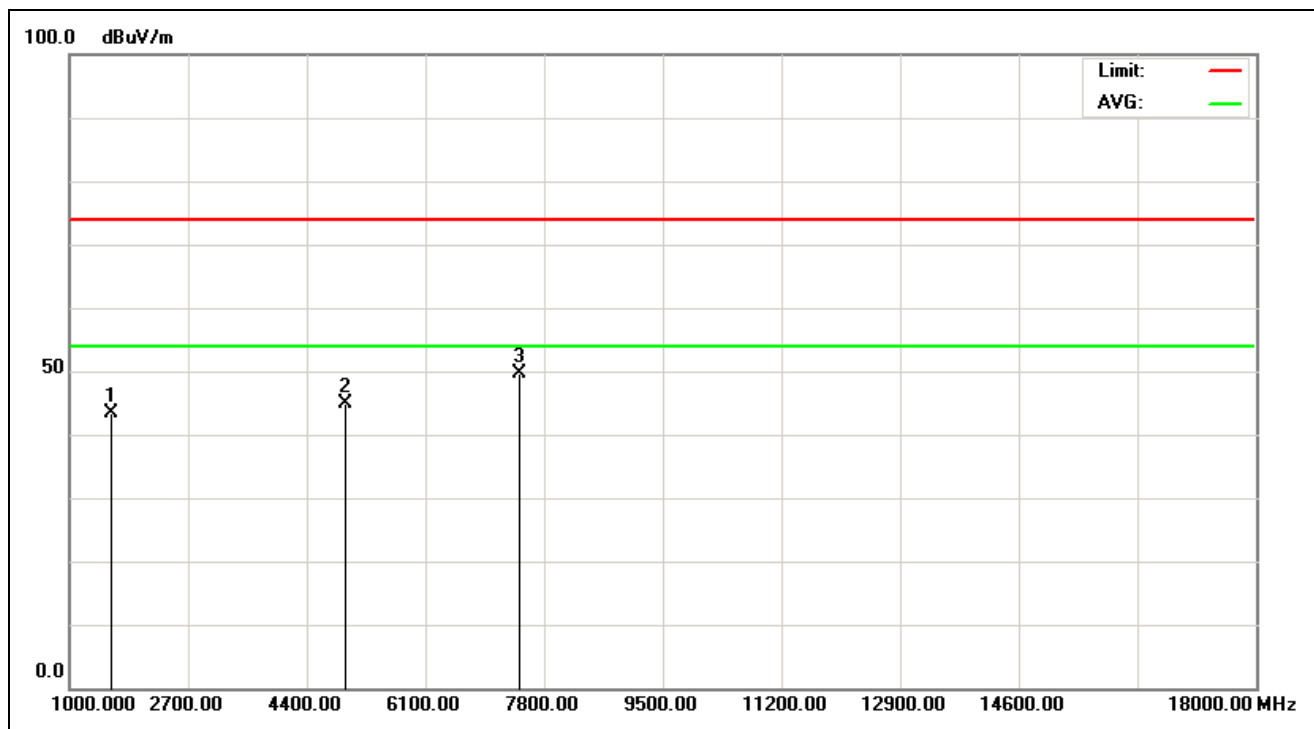
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Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%)	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2480_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1599.359	-10.03	53.64	43.61	74.00	-30.39	peak			
2	4960.000	-2.19	47.45	45.26	74.00	-28.74	peak			
3	7440.000	6.09	43.20	49.29	74.00	-24.71	peak			



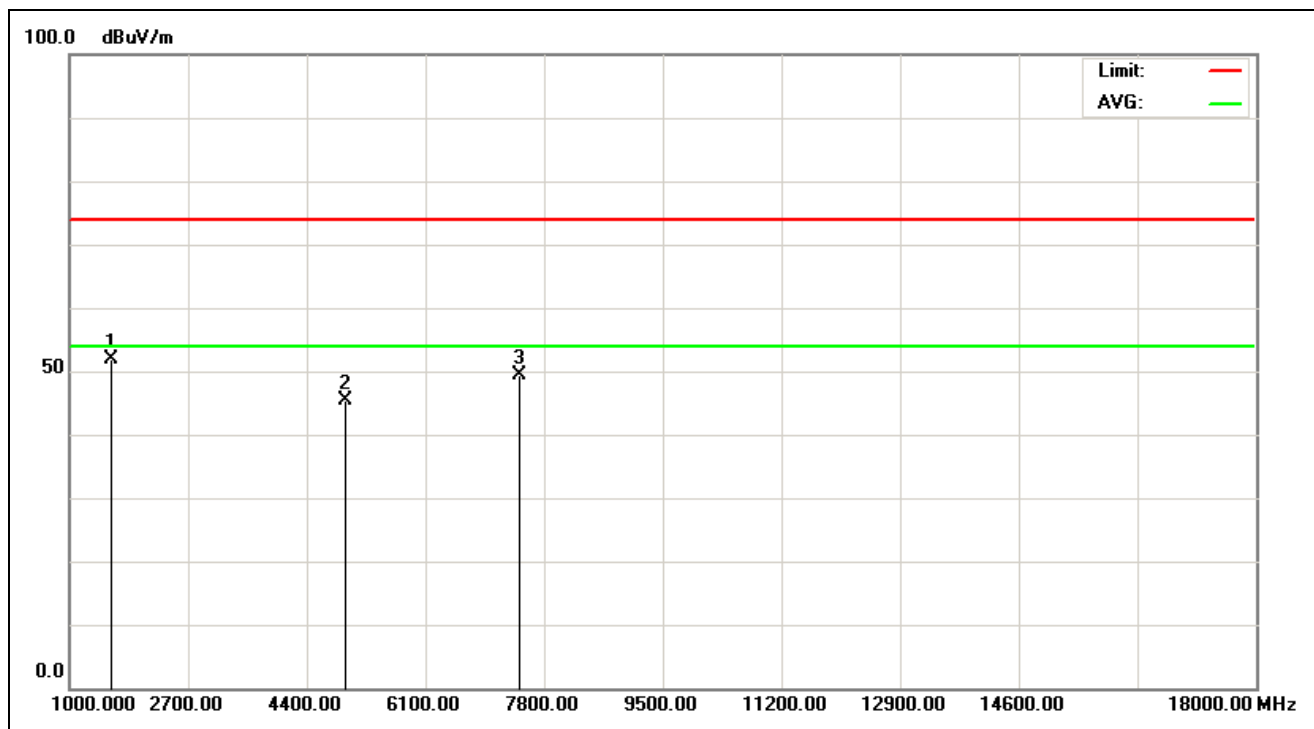
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/26 16:18:00
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2480_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1572.115	-10.20	59.57	49.37	74.00	-24.63	peak			
2	4960.000	-2.19	46.94	44.75	74.00	-29.25	peak			
3	7440.000	6.09	43.22	49.31	74.00	-24.69	peak			



Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/26 16:25:30
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2480_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1599.359	-10.03	53.33	43.30	74.00	-30.70	peak	173	67	
2	4960.000	-2.19	47.05	44.86	74.00	-29.14	peak			
3	7440.000	6.09	43.54	49.63	74.00	-24.37	peak			



Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/26 16:26:32
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2480_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1599.359	-10.03	61.90	51.87	74.00	-22.13	peak	173	359	
2	4960.000	-2.19	47.47	45.28	74.00	-28.72	peak			
3	7440.000	6.09	43.33	49.42	74.00	-24.58	peak			

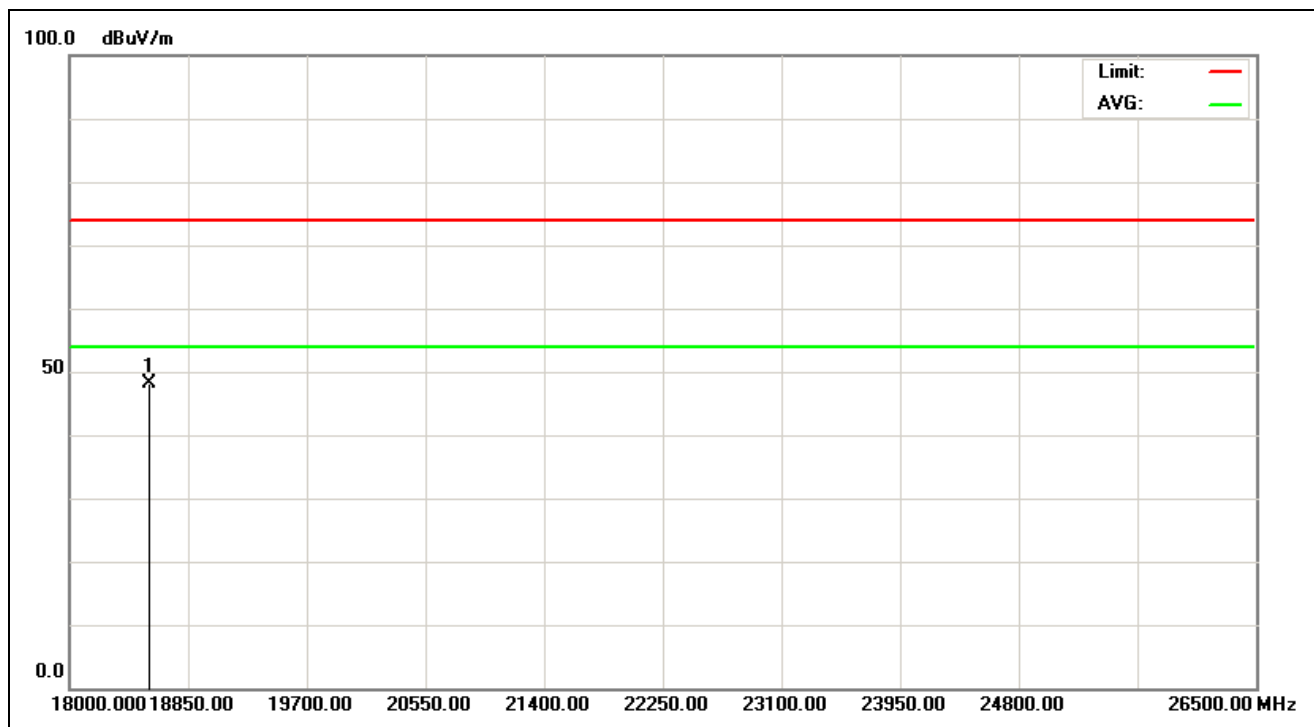
Spurious Emissions, TX Mode, 18-26G



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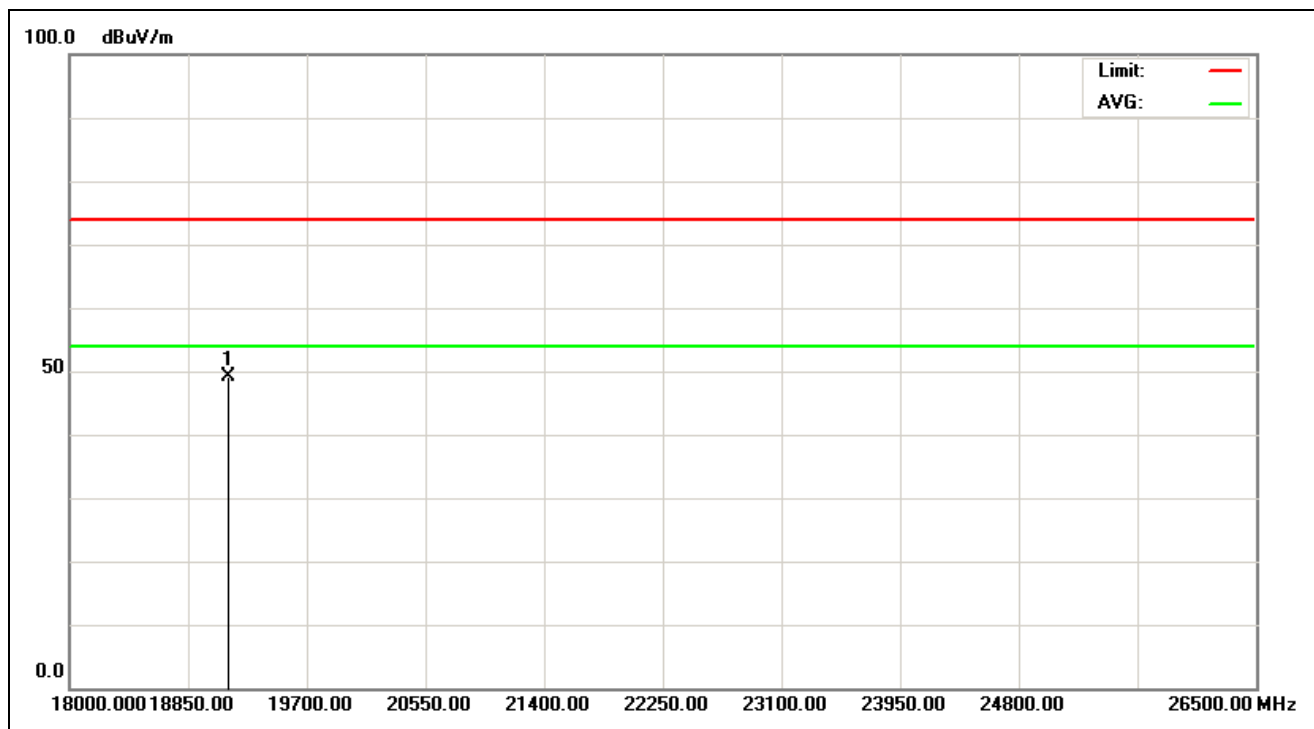
11F.,No.758,Sec. 4,Bade Rd.,Songshan Dist.,Taipei 105,Taiwan

Tel:+886-2-2172-7000 Fax:+886-2-2528-0018



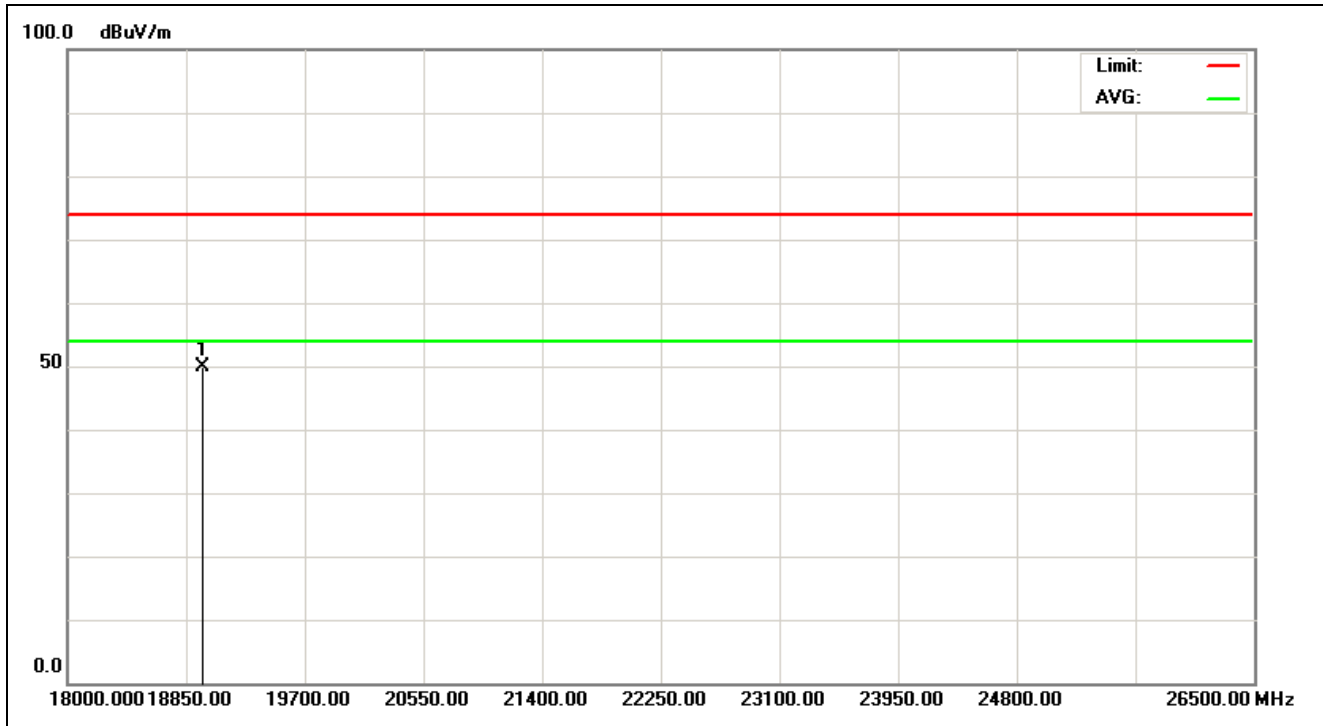
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Test item:	Radiation Emission	Test Time:	2014/9/26 17:16:02
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%)	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2402_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18572.115	28.67	19.46	48.13	74.00	-25.87	peak			



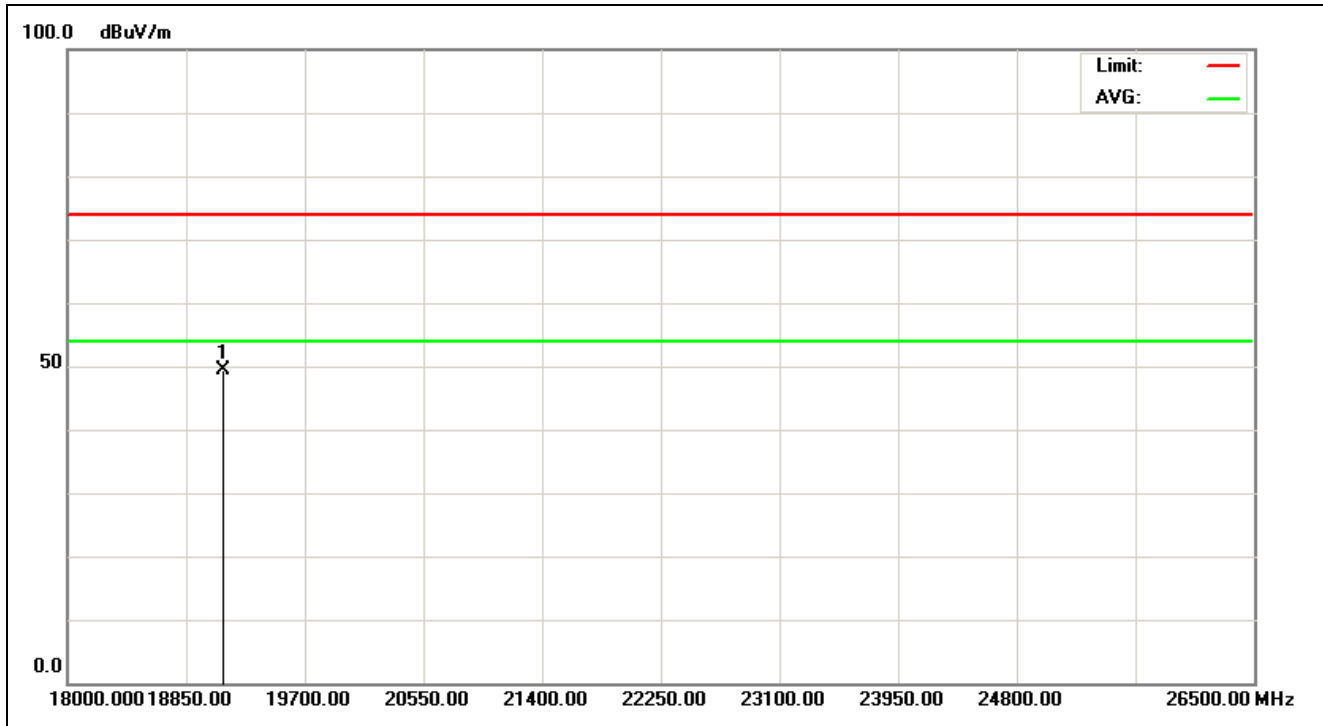
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
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Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2402_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19144.231	29.65	19.50	49.15	74.00	-24.85	peak			



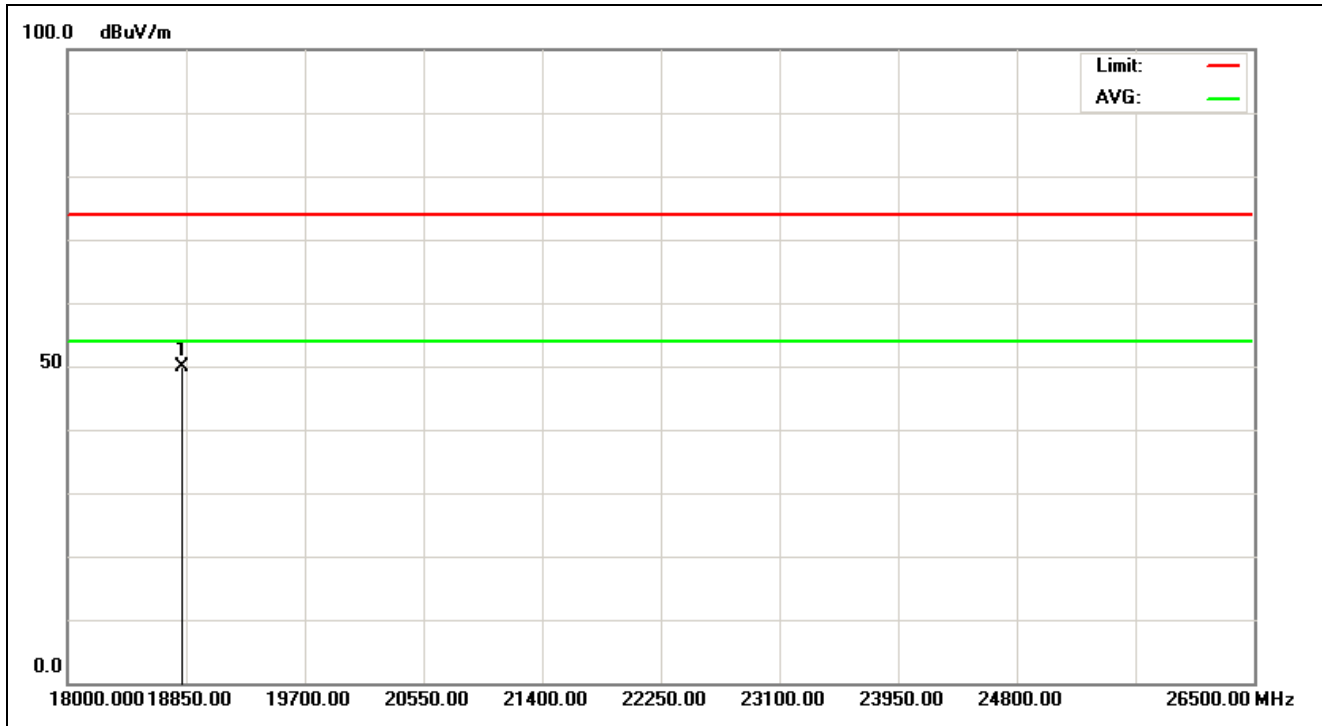
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Test item:	Radiation Emission	Test Time:	2014/9/26 17:19:00
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2402_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18967.147	29.88	20.09	49.97	74.00	-24.03	peak			



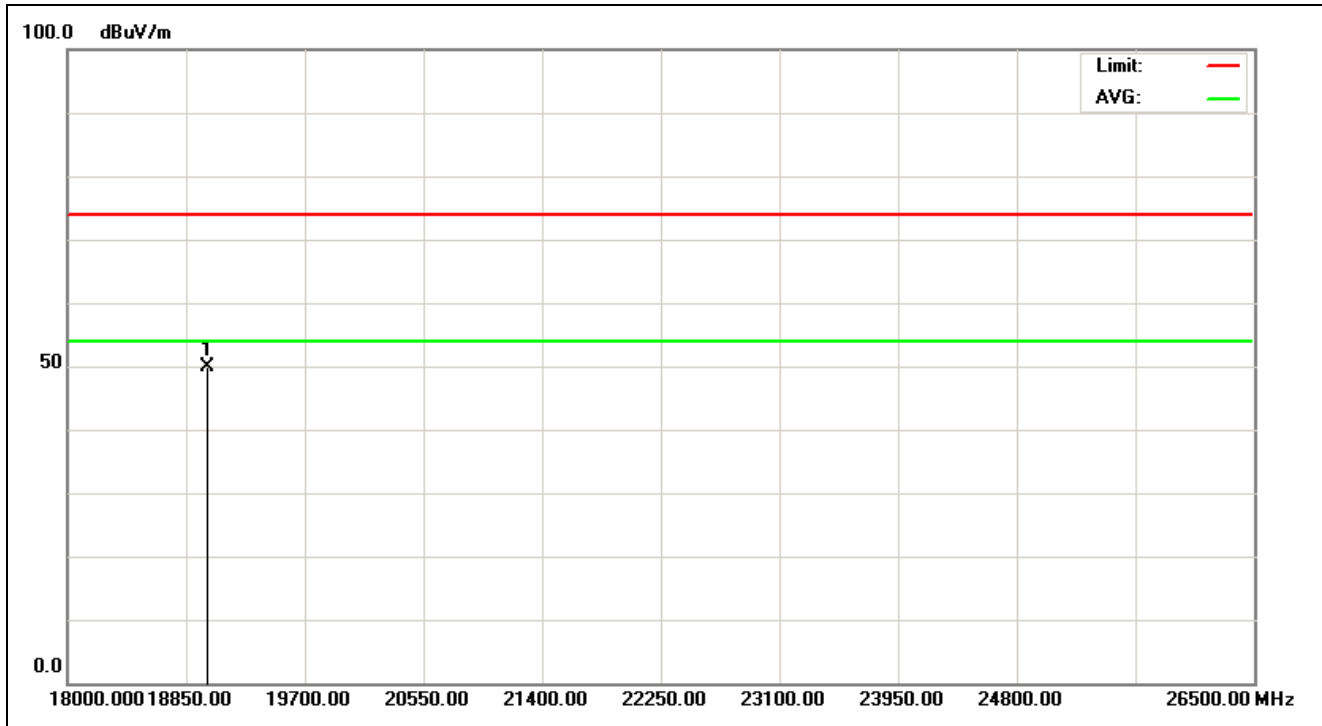
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Test item:	Radiation Emission	Test Time:	2014/9/26 17:19:13
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2402_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19116.987	29.72	19.68	49.40	74.00	-24.60	peak			



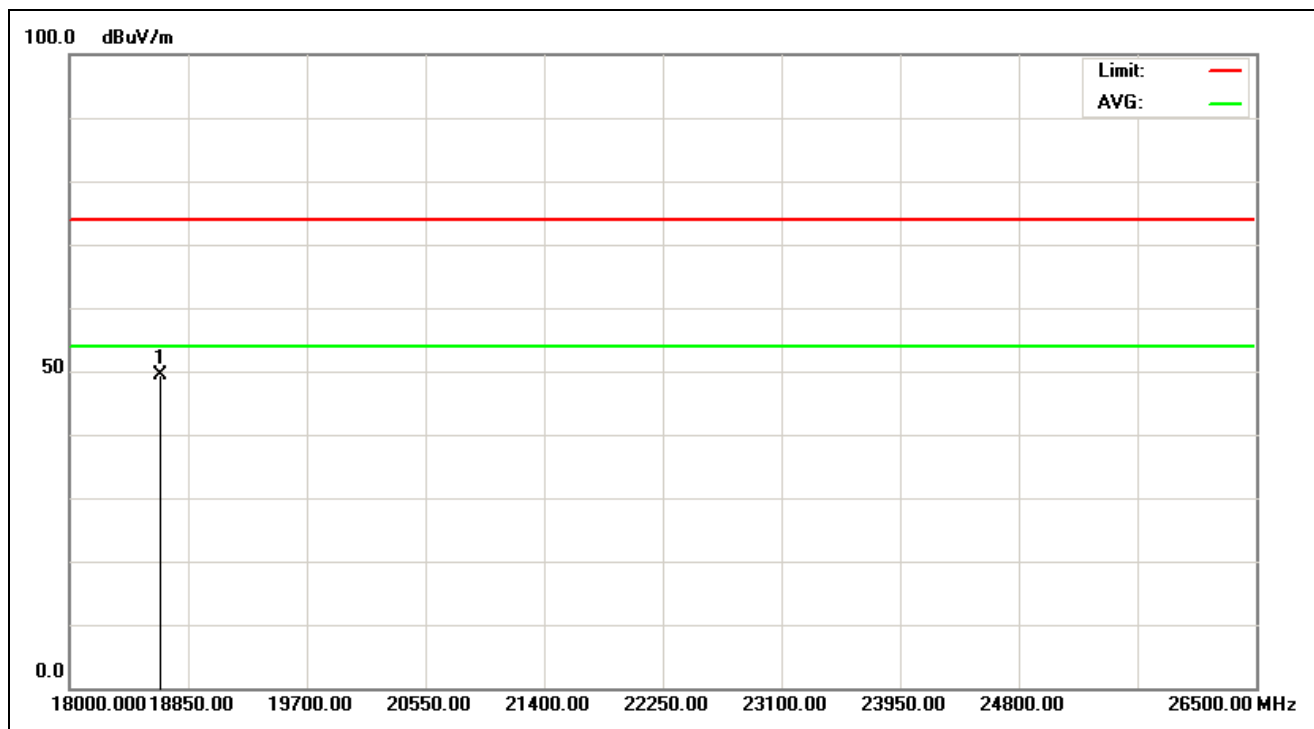
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/26 17:17:35
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2441_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18817.308	29.42	20.50	49.92	74.00	-24.08	peak			



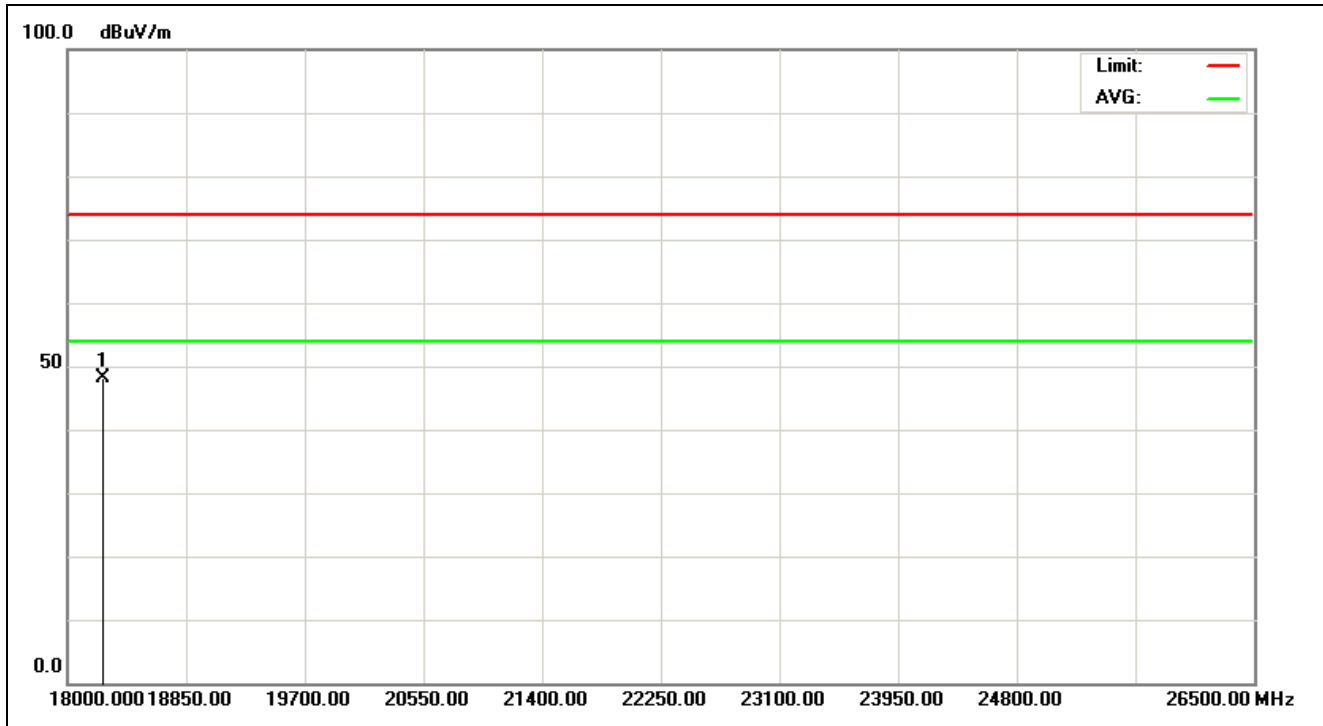
Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/26 17:17:56
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2441_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19008.013	29.96	19.81	49.77	74.00	-24.23	peak			



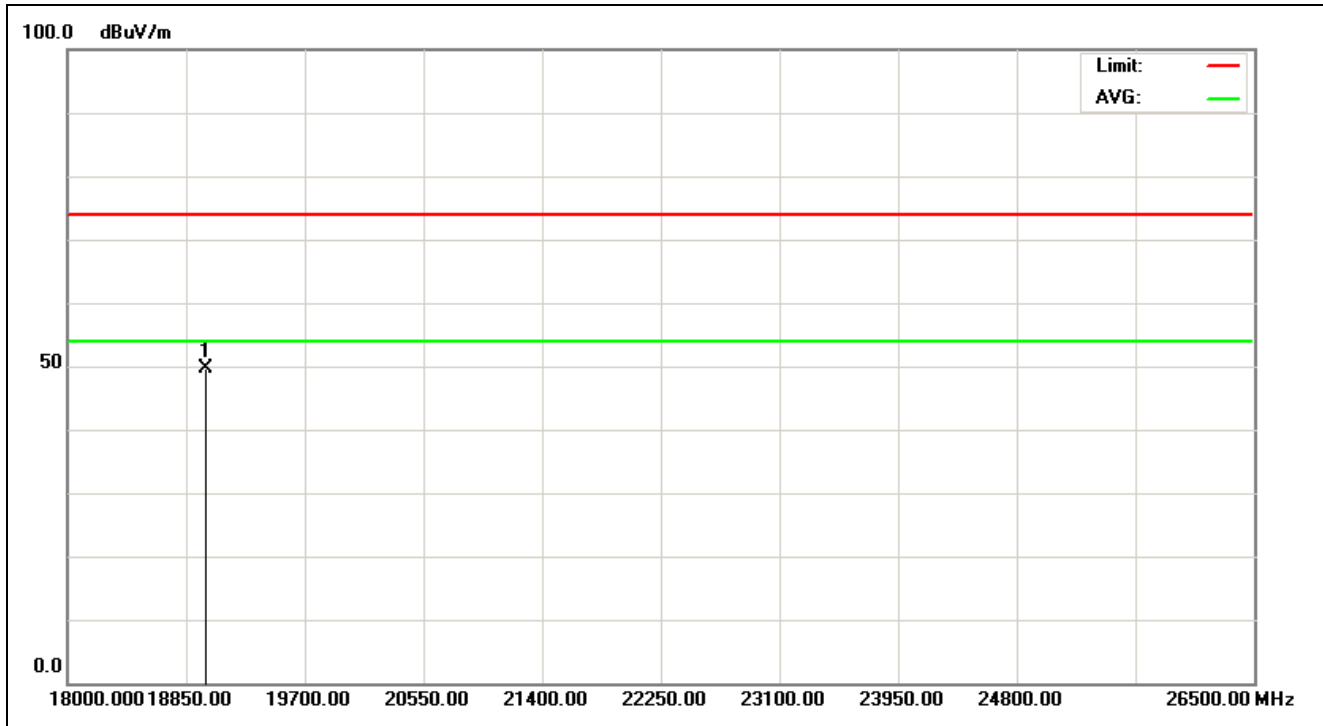
Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/26 17:19:30
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2441_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18653.846	28.91	20.41	49.32	74.00	-24.68	peak			



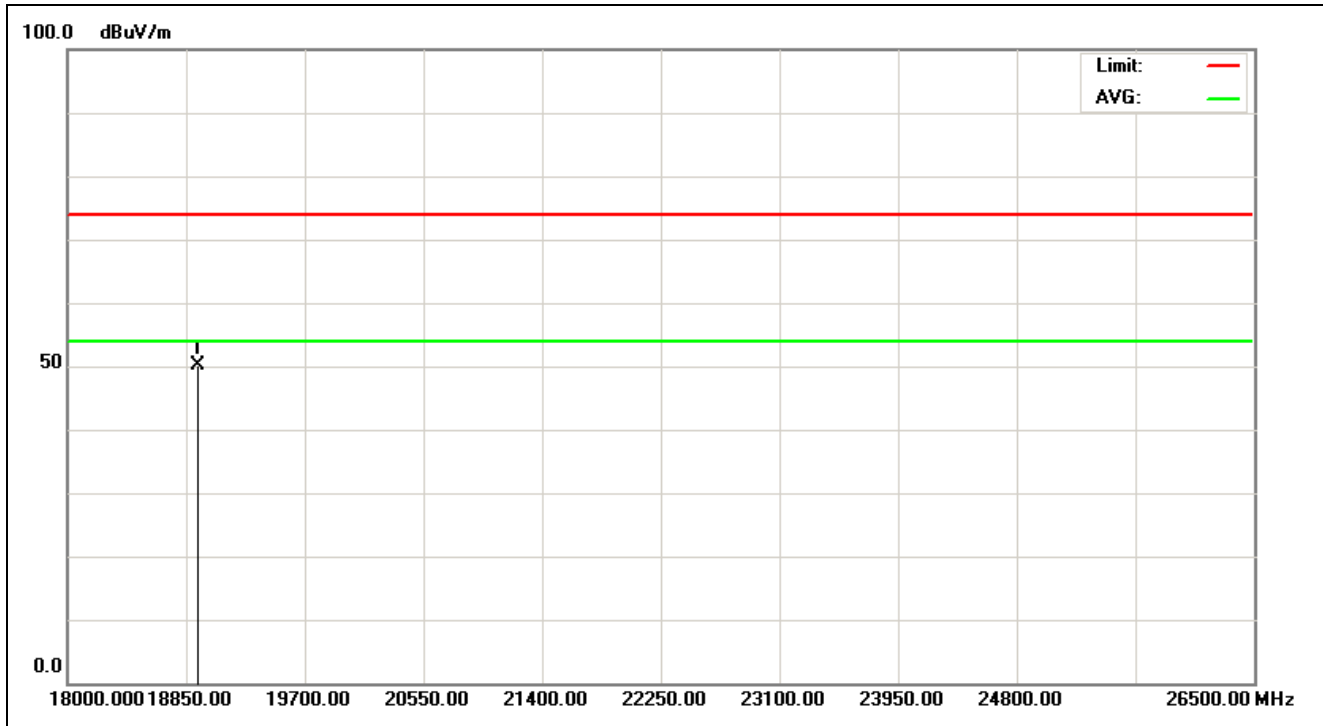
Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/26 17:20:01
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2441_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18258.814	28.54	19.65	48.19	74.00	-25.81	peak			



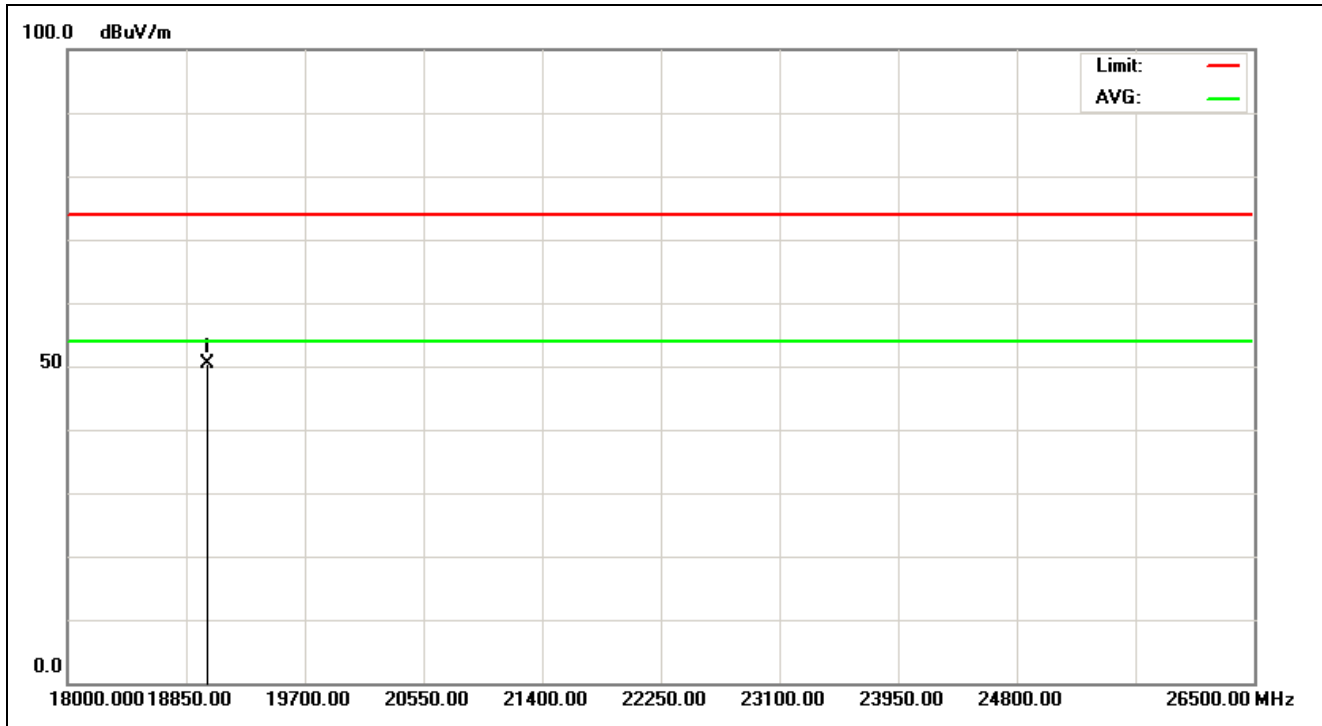
Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/26 17:18:21
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2480_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18994.391	29.96	19.75	49.71	74.00	-24.29	peak			



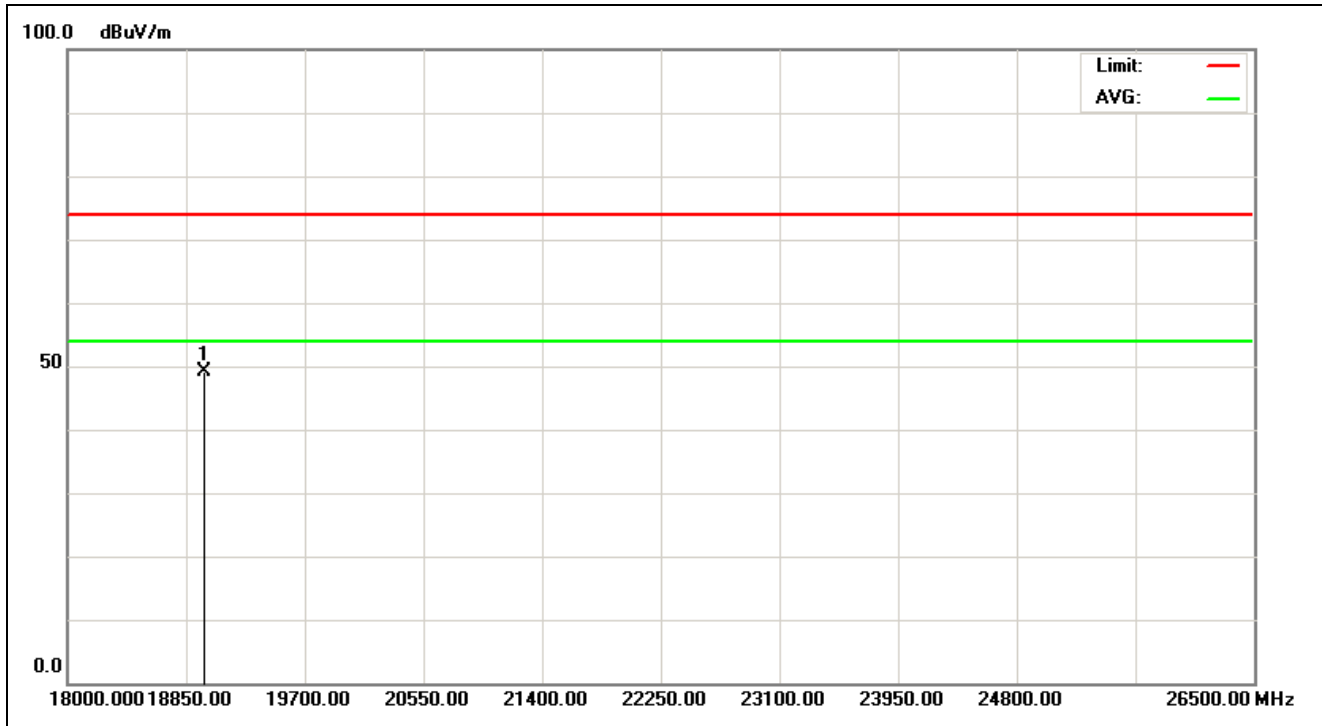
Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/26 17:18:35
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2480_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18939.904	29.80	20.24	50.04	74.00	-23.96	peak			



Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/26 17:21:00
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2480_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19008.013	29.96	20.46	50.42	74.00	-23.58	peak			



Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/26 17:21:14
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2480_3DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18980.769	29.93	19.32	49.25	74.00	-24.75	peak			

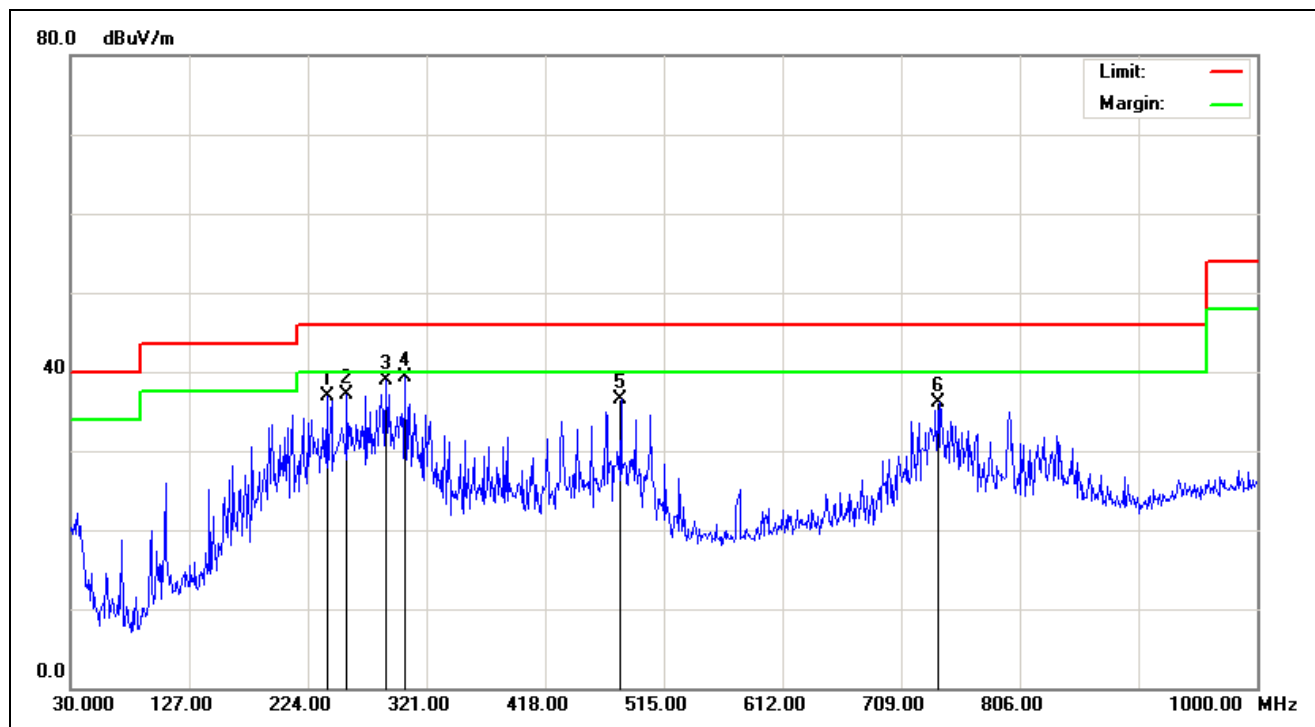
Spurious Emissions, TX Mode, 30M-1G



TUV Rheinland Taiwan

11F.,No.758,Sec. 4,Bade Rd.,Songsan Dist.,Taipei 105,Taiwan

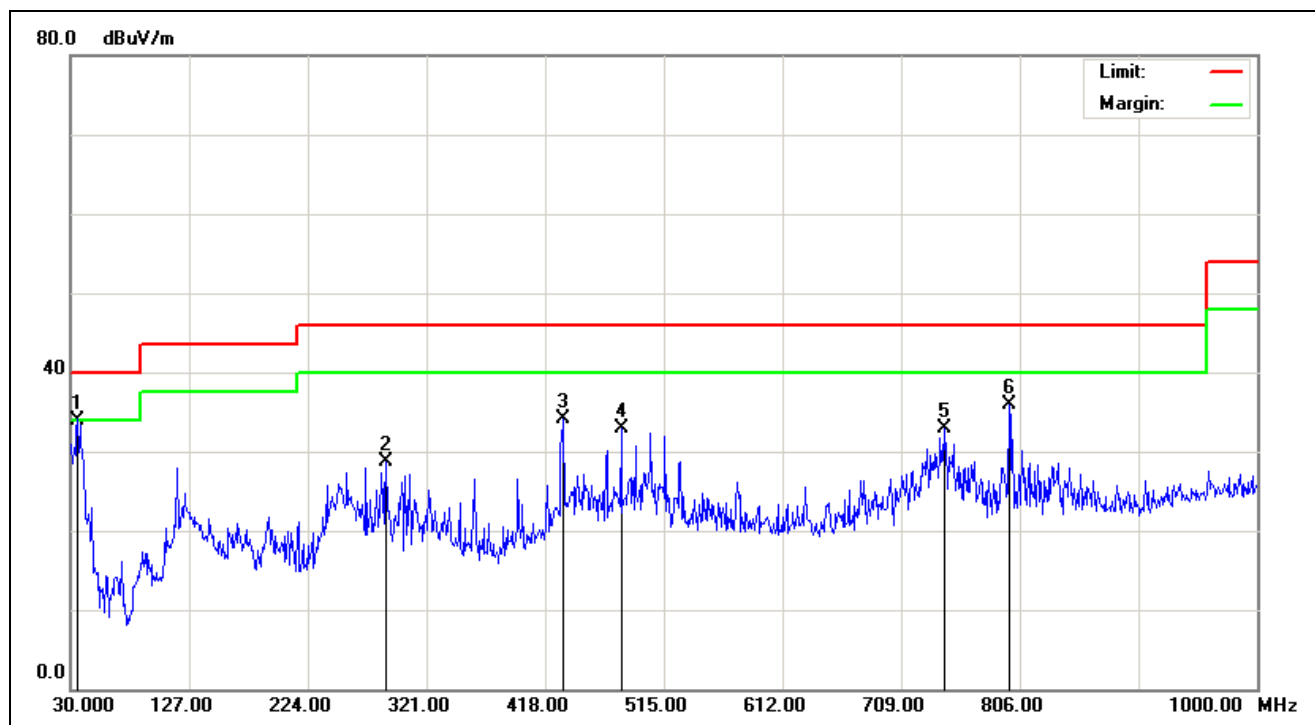
Tel:+886-2-2172-7000 Fax:+886-2-2528-0018



Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/26 18:05:46
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%)	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2441_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	239.5200	-14.29	51.20	36.91	46.00	-9.09	QP	100	285	
2	256.0099	-12.67	49.71	37.04	46.00	-8.96	QP	100	248	
3	288.0199	-12.25	51.14	38.89	46.00	-7.11	QP	100	240	
4	303.5400	-11.91	51.19	39.28	46.00	-6.72	QP	100	256	
5	480.0799	-8.85	45.43	36.58	46.00	-9.42	QP	100	323	
6	740.0399	-5.23	41.39	36.16	46.00	-9.84	QP	100	210	

Spurious Emissions, Mains, 150kHz - 30MHz



Service No.:	114026740_FCC 15C	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/26 18:06:49
Applicant:	SteelSeries	Test Rating:	3V
Product:	Stratus XL Gaming Controller	Temp.(°C)/Hum.(%):	23.8(°C)/57%
Model No.:	GC-00001	Test Engineer:	Freeman Wang
Test Mode:	2441_1DH5		
Remark:	X		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35.8200	-10.59	44.54	33.95	40.00	-6.05	QP	100	251	
2	288.0200	-12.25	41.00	28.75	46.00	-17.25	QP	100	234	
3	432.5500	-9.59	43.72	34.13	46.00	-11.87	QP	100	194	
4	480.0800	-8.85	41.75	32.90	46.00	-13.10	QP	100	258	
5	743.9200	-5.14	38.11	32.97	46.00	-13.03	QP	100	43	
6	797.2700	-4.61	40.61	36.00	46.00	-10.00	QP	100	77	