

FCC Part 15C Measurement and Test Report

For

Shenzhen Hejida Technology Co.,Ltd

Block A9,Longwangmiao Industry Building, East Baishixia, Fuyong Town,

Bao'an District, Shenzhen, China

FCC ID: A84SR670

FCC Rule(s):	<u>FCC Part 15.249</u>
Product Description:	<u>2.4G wireless mouse</u>
Tested Model:	<u>SR670</u>
Report No.:	<u>STR14098043I</u>
Tested Date:	<u>2014-09-10 to 2014-09-13</u>
Issued Date:	<u>2014-09-15</u>
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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen SEM.Test Technology Co., Ltd.

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: Shenzhen Hejida Technology Co., Ltd
Address of applicant: Block A9, longwangmiao Industry Building, East Baishixia,
Fuyong Town, Ban'an District, Shenzhen,China
Manufacturer: Shenzhen Hejida Technology Co., Ltd
Address of manufacturer: Block A9, longwangmiao Industry Building, East Baishixia,
Fuyong Town, Ban'an District, Shenzhen,China

General Description of EUT	
Product Name:	2.4G wireless mouse
Trade Name:	/
Model No.:	SR670
Adding Model(s):	S2,SR800
Rated Voltage:	Battery:3.7V; USB 5V charging
Power Adapter Model:	/
<i>Note: The test data is gathered from a production sample provided by the manufacturer. The appearance of others models listed in the report is different from main-test model SR670, but the circuit and the electronic construction do not change, declared by the manufacturer.</i>	

Technical Characteristics of EUT	
Frequency Range:	2403-2477MHz
Max. Field Strength:	84.58 dBuV/m (at 3m distance)
Data Rate:	GFSK
Modulation:	1Mbps
Quantity of Channels:	75
Channel Separation:	1MHz
Antenna Type:	PCB Antenna
Antenna Gain:	1dBi
Lowest Internal Frequency of EUT:	16MHz

1.2 Test Standards

The following report is prepared on behalf of the Shenzhen Hejida Technology Co., Ltd in accordance with FCC Part 15, Subpart B, Subpart C, and section 15.107, 15.203, 15.205, 15.207, 15.209 and 15.249 of the Federal Communication Commissions rules.

The objective is to determine compliance with FCC Part 15, Subpart C, and section 15.107, 15.203, 15.205, 15.207, 15.209 and 15.249 of the Federal Communication Commissions rules.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which results in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

1.4 Test Facility

FCC – Registration No.: 934118

Shenzhen SEM.Test Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files and the Registration is 934118.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Shenzhen SEM.Test Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

CNAS Registration No.: L4062

Shenzhen SEM.Test Technology Co., Ltd. is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L4062. All measurement facilities used to collect the measurement data are located at 1/F, Building A, Hongwei Industrial Park, Liuxian 2nd Road, Bao'an District, Shenzhen, P.R.C (518101).

1.5 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode List		
Test Mode	Description	Remark
TM1	Low Channel	2403MHz
TM2	Middle Channel	2442MHz
TM3	High Channel	2477MHz

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
USB Cable	0.9	Unshielded	Without Ferrite

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Notebook Computer	Lenovo	E10	N/A

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§ 15.203	Antenna Requirement	Compliant
§15.205	Restricted Band of Operation	Compliant
§ 15.207(a)	Conducted Emission	Compliant
§ 15.209(a)(f)	Radiated Spurious Emissions	Compliant
§15.249(a)	Field Strength of Emissions	Compliant
§15.249(d)	Out of Band Emission	Compliant
§15.215 (c)	Emission Bandwidth	Compliant

3. Antenna Requirements

3.1 Standard Applicable

According to FCC Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.2 Test Result

This product has an integral antenna, fulfill the requirement of this section.

4. Radiated Emissions

4.1 Measurement Uncertainty

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is ± 5.10 dB.

4.2 Standard Applicable

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field strength of fundamental (milli-volts/meter)	Field strength of Harmonics (micro-volts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

4.3 Test Equipment List and Details

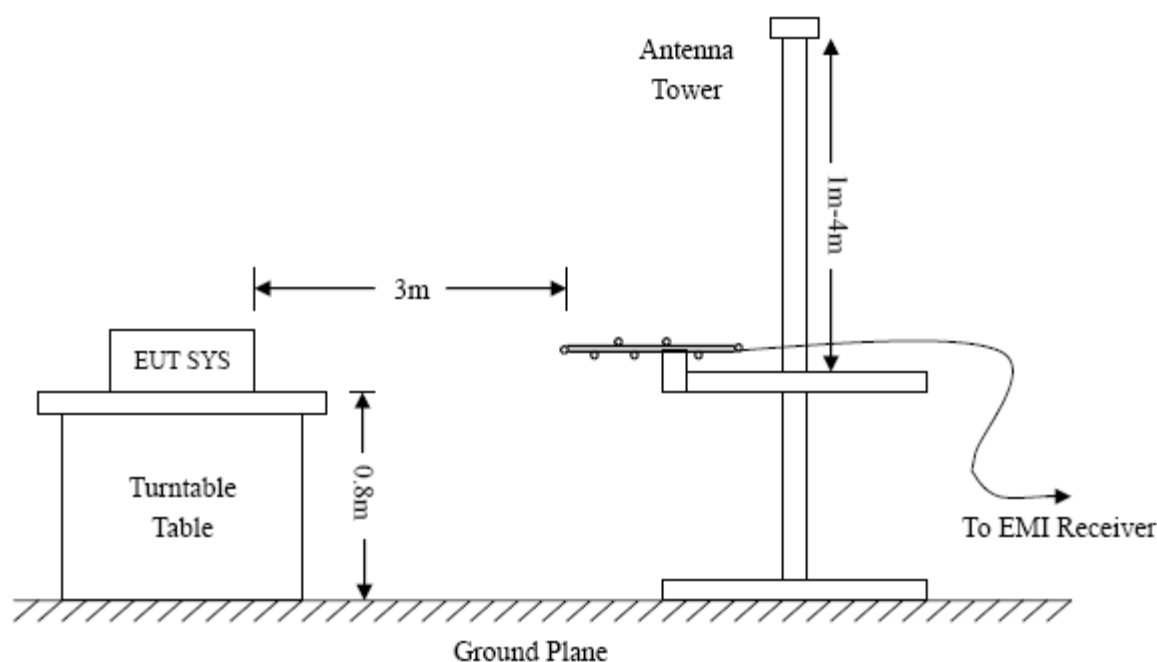
Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	R&S	FSP	836079/035	2014-05-28	2015-05-27
EMI Test Receiver	R&S	ESVB	825471/005	2014-05-28	2015-05-27
Pre-amplifier	Agilent	8447F	3113A06717	2014-05-28	2015-05-27
Pre-amplifier	Compliance Direction	PAP-0118	24002	2014-05-28	2015-05-27
Trilog Broadband Antenna	SCHWARZBECK	VULB9163	9163-333	2014-05-24	2015-05-23
Horn Antenna	ETS	3117	00086197	2014-05-24	2015-05-23
Loop Antenna	SCHWARZECK	HFRA 5165	9365	2014-05-24	2015-05-23

4.4 Test Procedure

The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15.205 15.249(a) and FCC Part 15.209 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.



Frequency :9kHz-30MHz

RBW=10KHz,

VBW =30KHz

Sweep time= Auto

Trace = max hold

Detector function = peak

Frequency :30MHz-1GHz

RBW=120KHz,

VBW=300KHz

Sweep time= Auto

Trace = max hold

Detector function = peak, QP

Frequency :Above 1GHz

RBW=1MHz,

VBW=3MHz(Peak), 10Hz(AV)

Sweep time= Auto

Trace = max hold

Detector function = peak, AV

4.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dBμV means the emission is 6dBμV below the maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15C Limit}$$

4.6 Environmental Conditions

Temperature:	24 °C
Relative Humidity:	60 %
ATM Pressure:	1012 mbar

4.7 Summary of Test Results/Plots

According to the data below, the FCC Part 15.205, 15.209 and 15.249 standards, and had the worst margin of:

-12.14 dB at 54.2610 MHz in the **Horizontal** polarization, **Average** detector, **High** Channel, **9 kHz to 25 GHz**,
3 Meters

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

Plot of Radiated Emissions Test Data

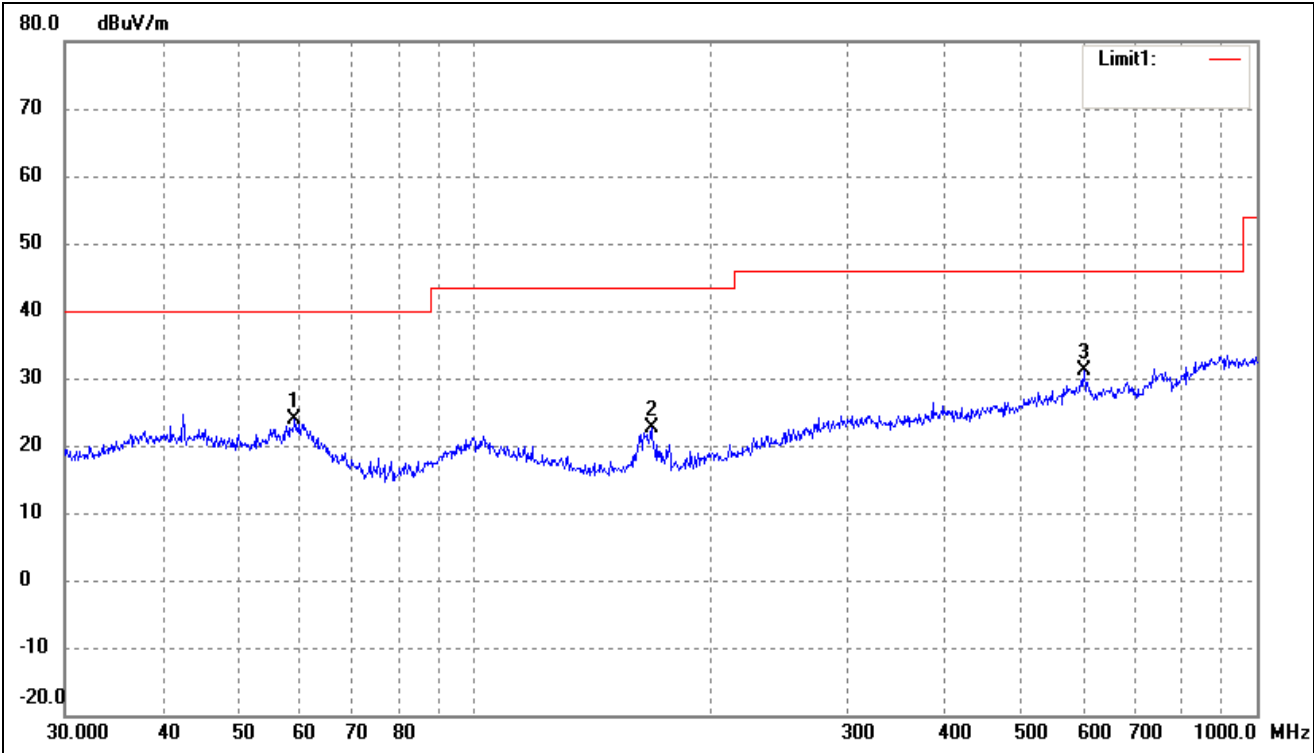
EUT: 2.4G wireless mouse

Tested Model: SR670

Operating Condition: Charging

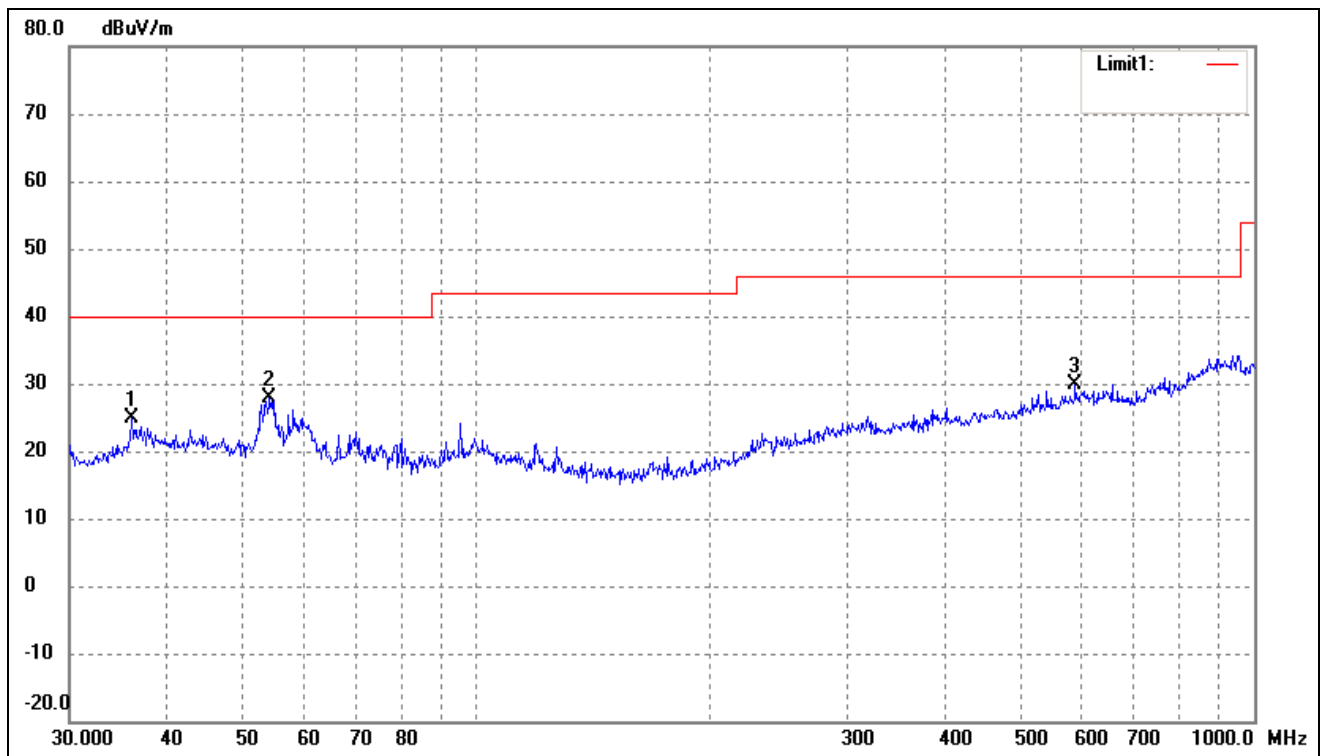
Comment: USB DC 5V

Test Specification: Horizontal

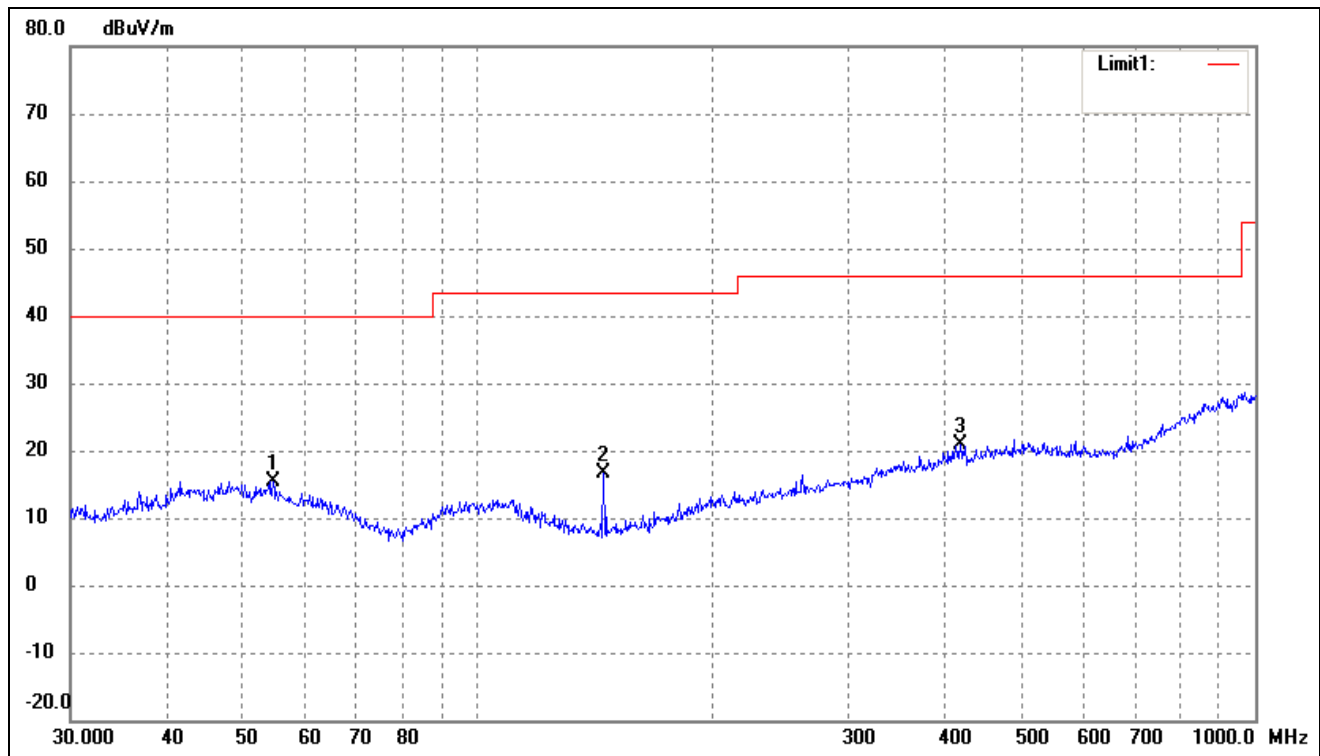


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	59.0251	18.36	5.47	23.83	40.00	-16.17	102	100	peak
2	168.4138	20.00	2.67	22.67	43.50	-20.83	115	100	peak
3	601.4265	17.85	13.22	31.07	46.00	-14.93	169	100	peak

Test Specification: Vertical

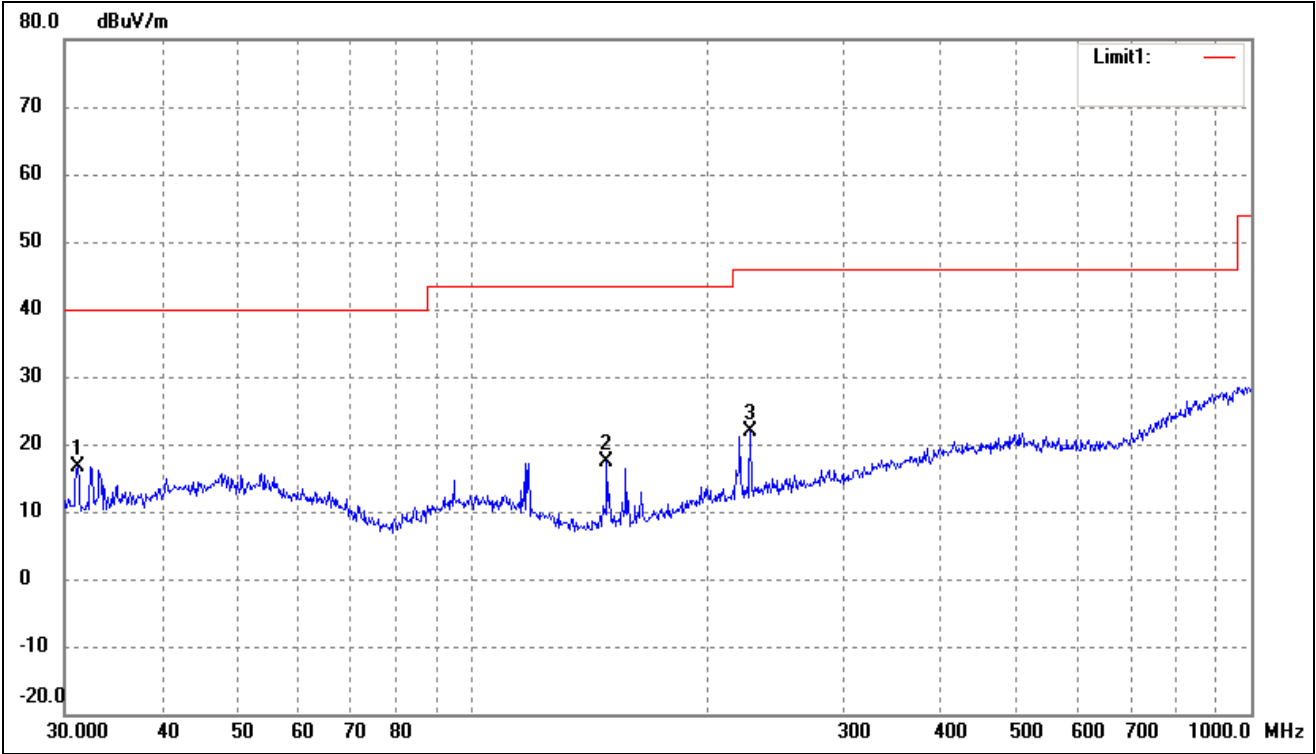


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	36.1272	16.23	8.58	24.81	40.00	-15.19	125	100	peak
2	54.2610	21.97	5.89	27.86	40.00	-12.14	166	100	peak
3	588.9051	16.96	12.91	29.87	46.00	-16.13	175	100	peak

Plot of Radiated Emissions Test Data (30MHz to 1GHz)*EUT:* 2.4G wireless mouse*Tested Model:* SR670*Operating Condition:* Transmitting Low Channel (2403MHz)*Comment:* Battery DC 3.7V*Test Specification:* Horizontal

No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	54.6429	23.40	-7.91	15.49	40.00	-24.51	148	100	peak
2	145.3506	29.60	-13.04	16.56	43.50	-26.94	166	100	peak
3	417.6411	23.28	-2.51	20.77	46.00	-25.23	172	100	peak

Test Specification: Vertical

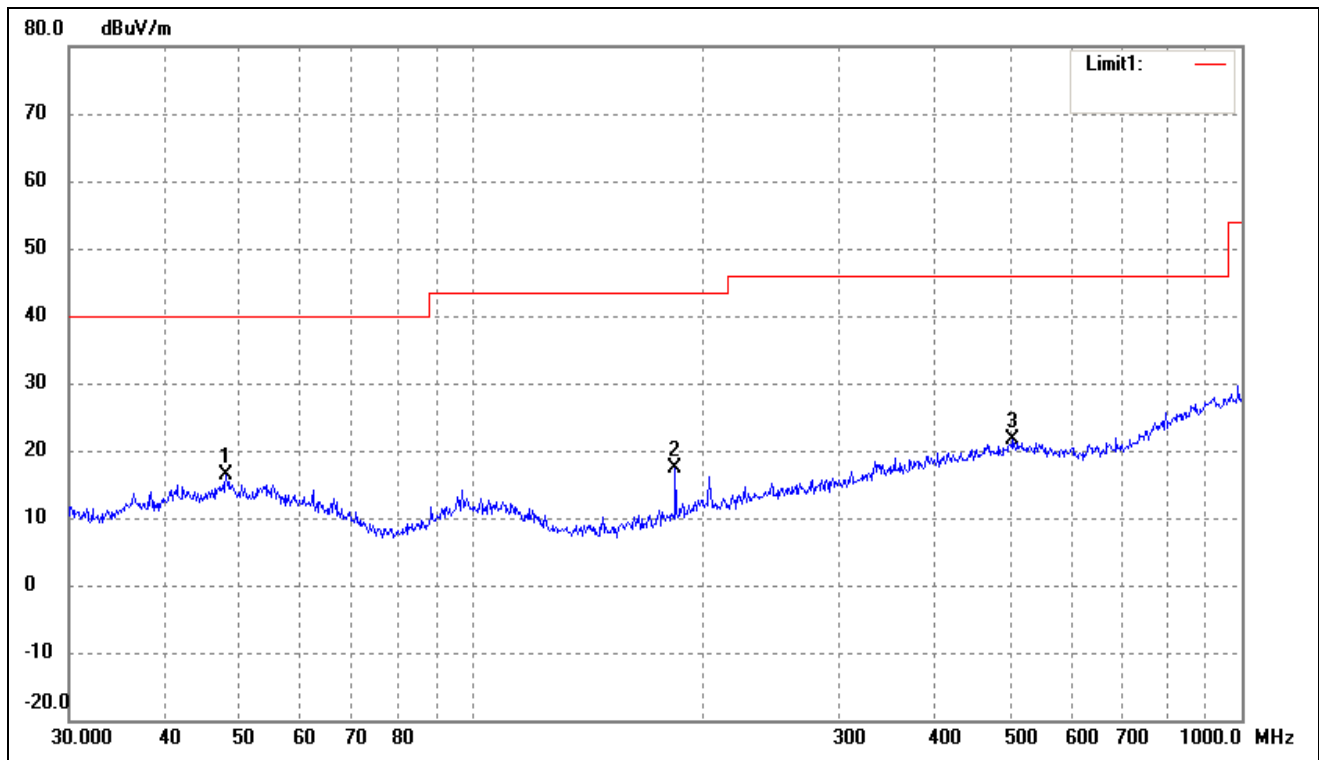


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	31.1798	27.17	-10.60	16.57	40.00	-23.43	122	100	peak
2	148.9625	30.28	-12.98	17.30	43.50	-26.20	178	100	peak
3	227.6906	30.48	-8.49	21.99	46.00	-24.01	199	100	peak

Operating Condition: Transmitting Middle Channel (2442MHz)

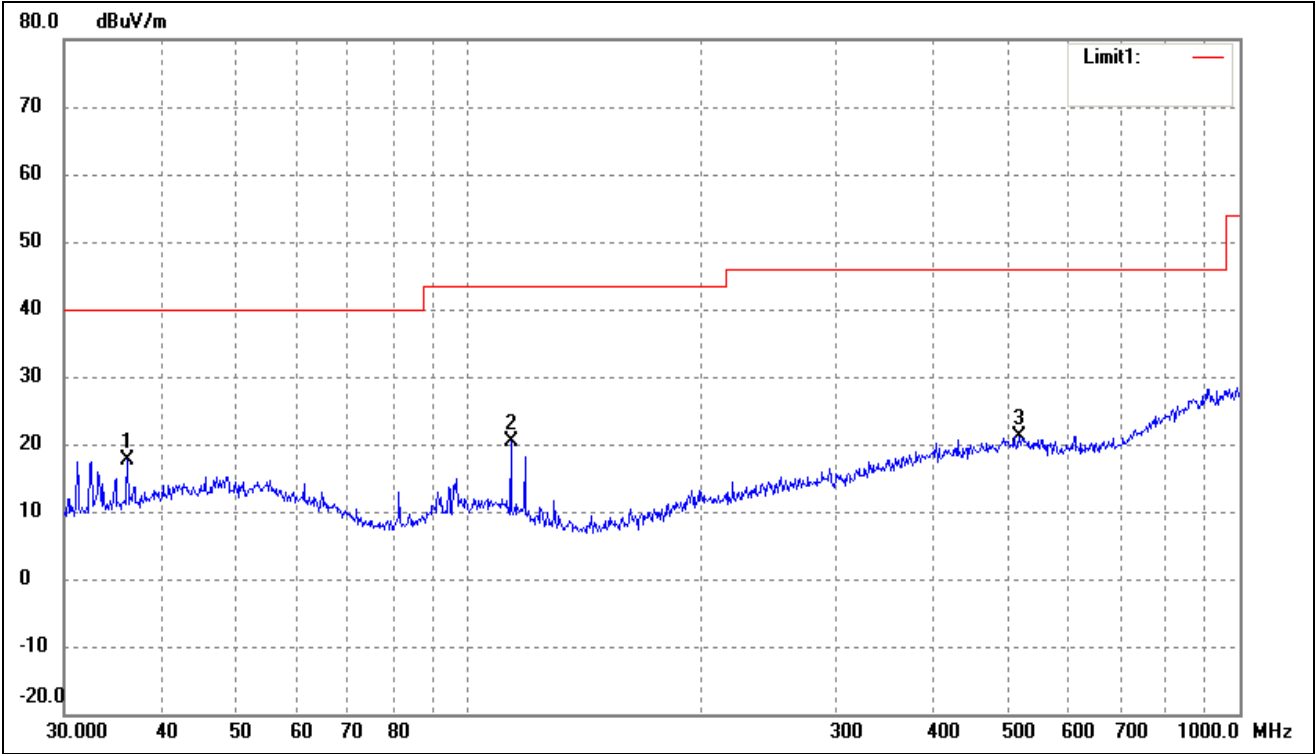
Comment: Battery DC 3.7V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	47.9940	23.74	-7.46	16.28	40.00	-23.72	148	100	peak
2	183.8440	28.16	-10.72	17.44	43.50	-26.06	167	100	peak
3	504.7062	22.85	-1.15	21.70	46.00	-24.30	184	100	peak

Test Specification: Vertical

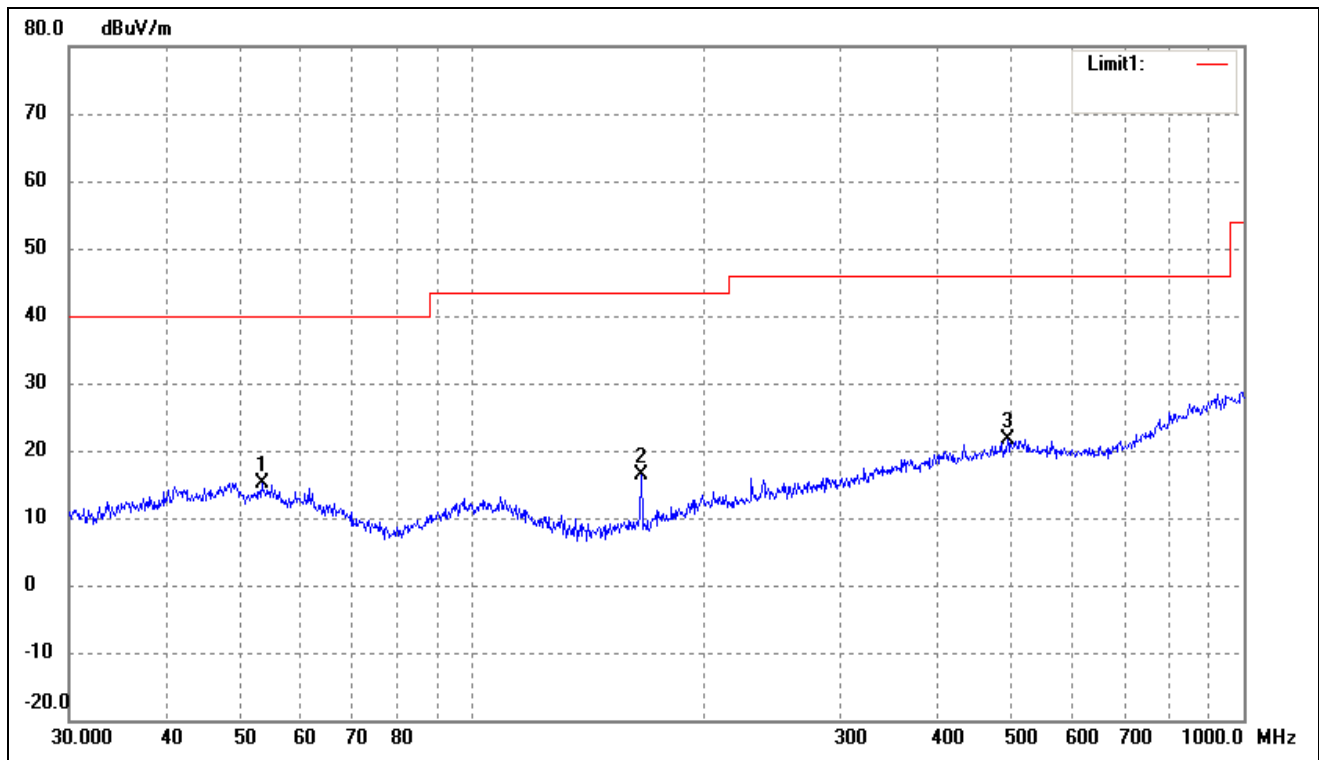


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	36.2541	27.15	-9.58	17.57	40.00	-22.43	149	100	peak
2	113.7143	30.61	-10.22	20.39	43.50	-23.11	164	100	peak
3	517.2480	21.81	-0.68	21.13	46.00	-24.87	181	100	peak

Operating Condition: Transmitting High Channel (2477MHz)

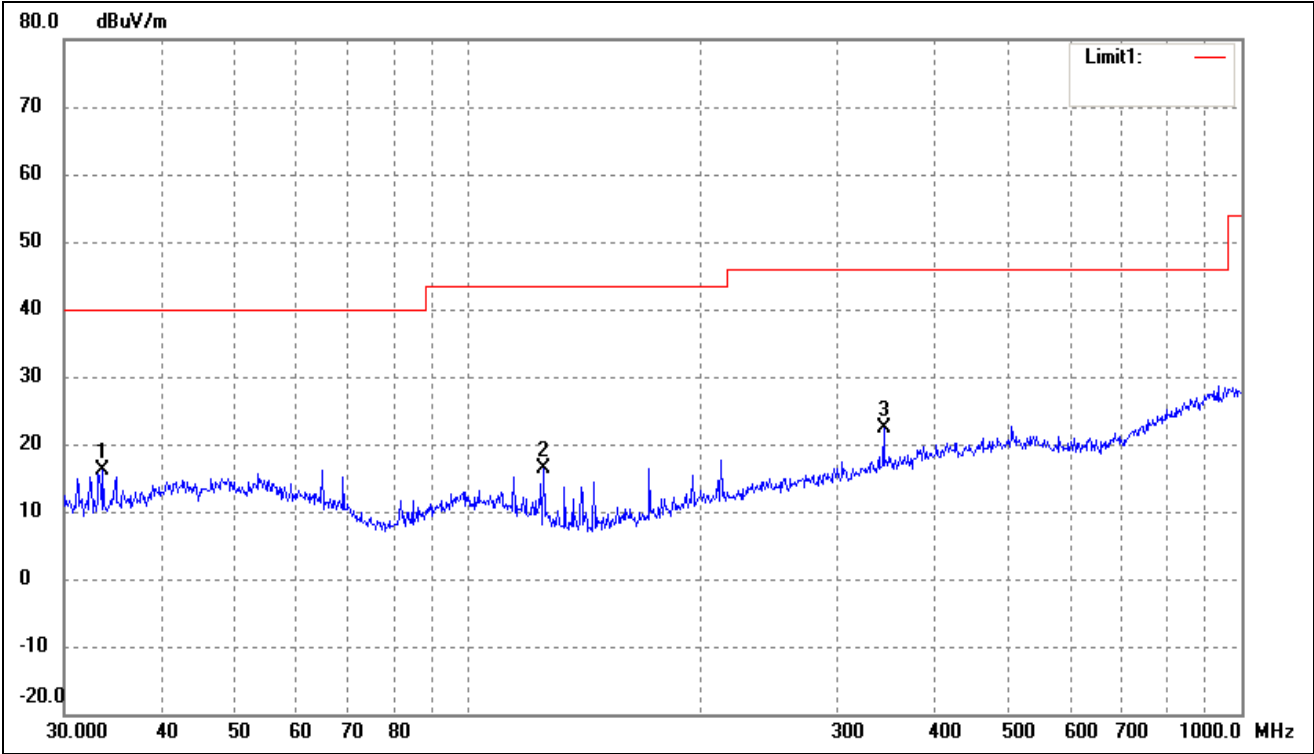
Comment: Battery DC 3.7V

Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	53.3179	23.03	-7.78	15.25	40.00	-24.75	167	100	peak
2	165.4867	28.56	-12.07	16.49	43.50	-27.01	188	100	peak
3	494.1984	22.94	-1.26	21.68	46.00	-24.32	194	100	peak

Test Specification: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	(°)	(cm)	
1	33.6803	26.49	-10.34	16.15	40.00	-23.85	162	100	peak
2	125.0066	28.28	-12.00	16.28	43.50	-27.22	173	100	peak
3	344.3855	26.75	-4.39	22.36	46.00	-23.64	186	100	peak

Spurious Emissions Above 1GHz

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2403MHz							
2403	73.09	-3.51	84.58	114.00	-29.42	H	PK
2403	60.82	-3.50	57.32	94.00	-36.68	H	AV
4806	44.18	0.54	44.72	74.00	-29.28	H	PK
4806	32.18	0.55	32.73	54.00	-21.27	H	AV
7209	35.42	3.67	39.09	74.00	-34.91	H	PK
7209	26.74	3.76	30.50	54.00	-23.50	H	AV
2403	78.44	-3.51	74.93	114.00	-39.07	V	PK
2403	66.19	-3.50	62.69	94.00	-31.31	V	AV
4806	43.57	0.54	44.11	74.00	-29.89	V	PK
4806	31.66	0.55	32.21	54.00	-21.79	V	AV
7209	34.74	3.67	38.41	74.00	-35.59	V	PK
7209	23.30	3.68	26.98	54.00	-27.02	V	AV
Middle Channel-2442MHz							
2442	62.56	-3.43	65.13	114.00	-48.87	H	PK
2442	64.32	-3.41	60.91	94.00	-33.09	H	AV
4884	43.35	0.66	44.01	74.00	-29.99	H	PK
4884	31.78	0.66	32.44	54.00	-21.56	H	AV
7326	38.34	3.76	42.10	74.00	-31.90	H	PK
7326	26.90	3.77	30.67	54.00	-23.33	H	AV
2442	67.64	-3.43	64.21	114.00	-49.79	V	PK
2442	69.72	-3.41	66.31	94.00	-27.69	V	AV
4884	43.16	0.66	43.82	74.00	-30.18	V	PK
4884	31.91	0.68	32.59	54.00	-21.41	V	AV
7326	38.55	3.76	42.31	74.00	-31.69	V	PK
7326	26.91	3.80	30.71	54.00	-23.29	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel-2477MHz							
2477	62.25	-3.34	68.91	114.00	-45.09	H	PK
2477	54.40	-3.34	61.06	94.00	-32.94	H	AV
4954	42.93	0.76	43.69	74.00	-30.31	H	PK
4954	31.92	0.77	32.69	54.00	-21.31	H	AV
7431	26.78	3.84	30.62	54.00	-23.38	H	PK
7431	38.73	3.84	42.57	74.00	-31.43	H	AV
2477	70.04	-3.34	76.70	114.00	-37.30	V	PK
2477	61.14	-3.34	67.80	94.00	-26.20	V	AV
4954	43.22	0.76	43.98	74.00	-30.02	V	PK
4954	31.90	0.77	32.67	54.00	-21.33	V	AV
7431	26.92	3.83	30.75	54.00	-23.25	V	PK
7431	37.57	3.84	41.41	74.00	-32.59	V	AV

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, which above 5th Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

The measurements greater than 20dB below the limit from 9kHz to 30MHz..

5. Out of Band Emissions

5.1 Standard Applicable

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

5.2 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	R&S	FSP	836079/035	2014-05-28	2015-05-27
EMI Test Receiver	R&S	ESVB	825471/005	2014-05-28	2015-05-27
Pre-amplifier	Agilent	8447F	3113A06717	2014-05-28	2015-05-27
Pre-amplifier	Compliance Direction	PAP-0118	24002	2014-05-28	2015-05-27
Trilog Broadband Antenna	SCHWARZBECK	VULB9163	9163-333	2014-05-24	2015-05-23
Horn Antenna	ETS	3117	00086197	2014-05-24	2015-05-23

5.3 Test Procedure

As the radiation test, set the Lowest and Highest Transmitting Channel, observed the outside band of 2400MHz to 2483.5MHz, than mark the higher-level emission for comparing with the FCC rules.

5.4 Environmental Conditions

Temperature:	24 °C
Relative Humidity:	60 %
ATM Pressure:	1012 mbar

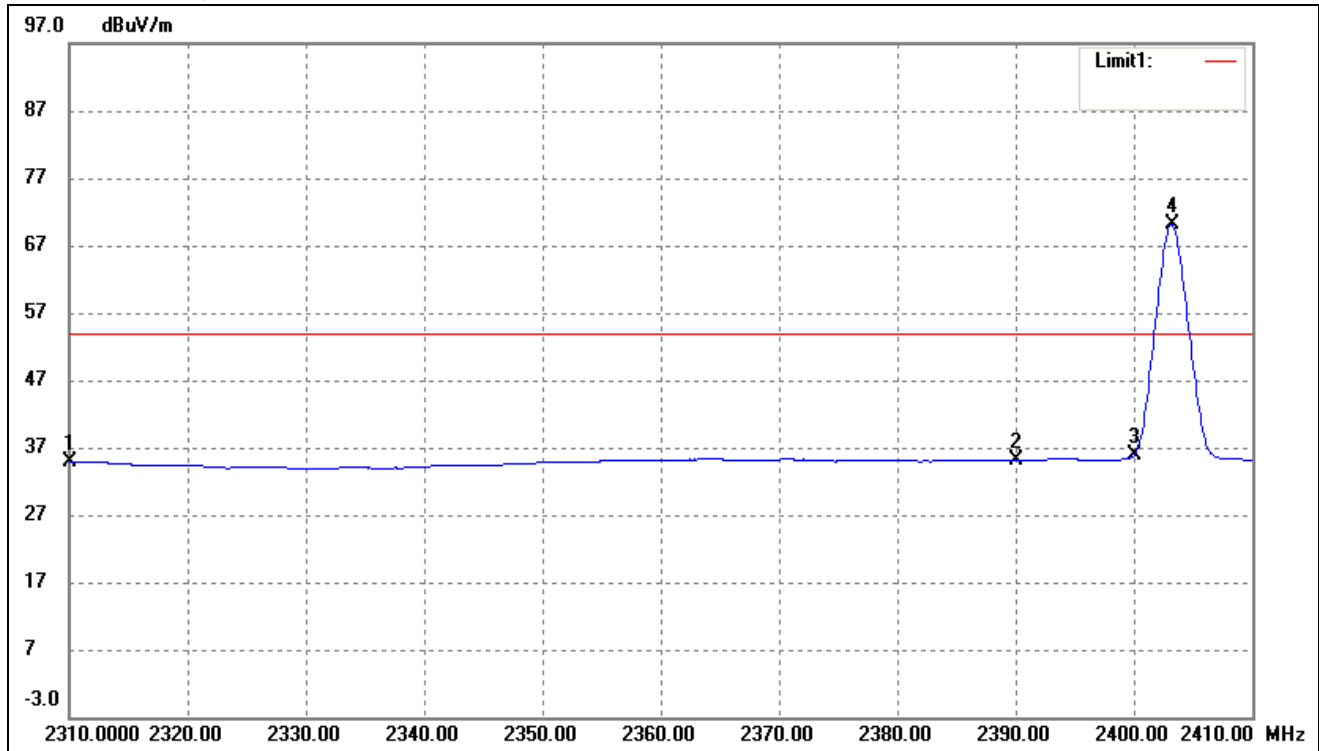
5.5 Summary of Test Results/Plots

Test mode	Frequency	Limit	Result
	MHz	dBuV / dBc	
Lowest	2310.00	<54 dBuV	Pass
	2390.00	<54 dBuV	Pass
	2400.00	<54 dBuV	Pass
Highest	2483.50	<54 dBuV	Pass
	2500.00	<54 dBuV	Pass

The edge emissions are below the FCC 15.209 Limits or complies with the 15.249 requirements.

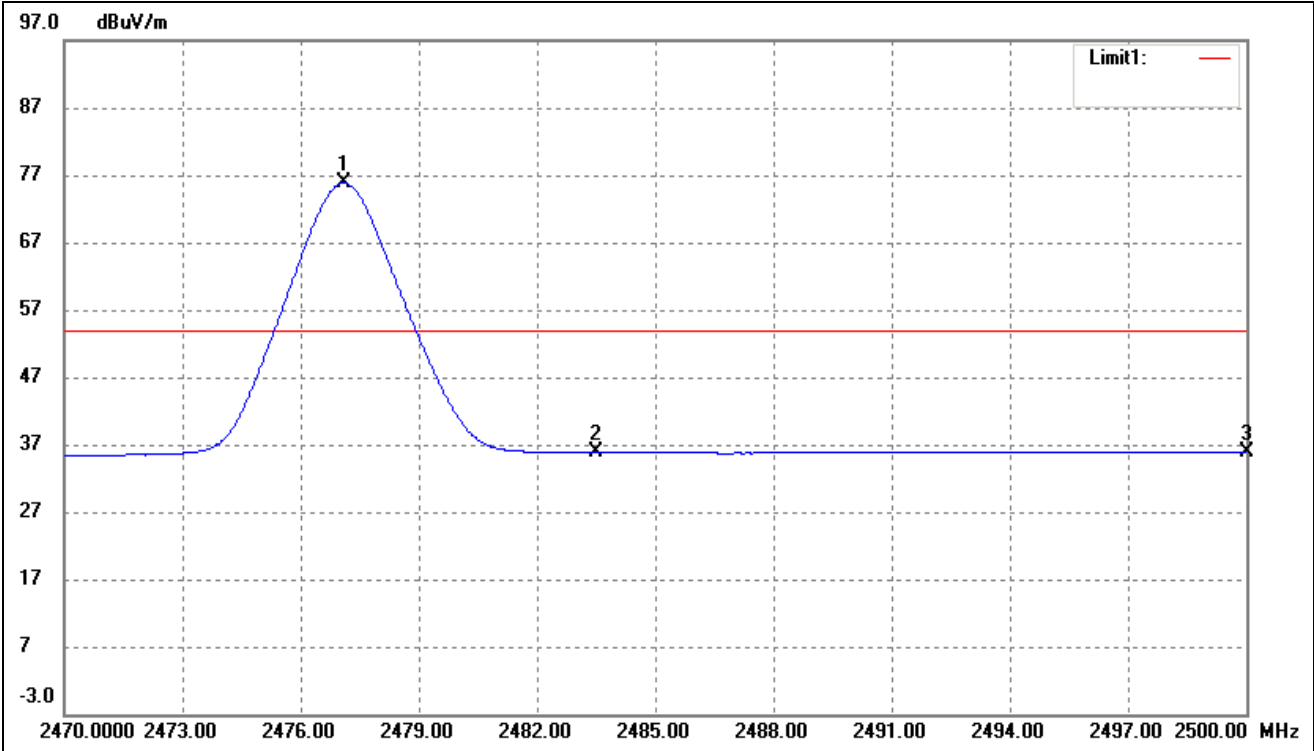
Please refer to the test plots as below.

Lowest Bandedge



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	2310.000	18.43	16.34	34.77	54.00	-19.23	Average Detector
	2310.000	31.50	16.34	47.84	74.00	-26.16	Peak Detector
2	2390.000	18.10	17.03	35.13	54.00	-18.87	Average Detector
	2390.000	30.53	17.03	47.56	74.00	-26.44	Peak Detector
3	2400.000	18.77	17.11	35.88	54.00	-18.12	Average Detector
4*	2403.200	53.02	17.13	70.15	/	/	Average Detector

Highest Bandedge



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
1	2477.080	58.16	17.69	75.85	/	/	Average Detector
	2477.080	58.56	17.69	76.25	/	/	Peak Detector
2	2483.500	Delta=32.08dBc		43.77	54.00	-10.23	Average Detector
	2483.500			44.17	74.00	-29.83	Peak Detector
3	2500.000	18.02	17.86	35.88	54.00	-18.12	Average Detector
	2500.000	30.98	17.86	48.84	74.00	-25.16	Peak Detector

6. Emission Bandwidth

6.1 Standard Applicable

According to 15.215 (c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

6.2 Test Equipment List and Details

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Spectrum Analyzer	Agilent	E4402B	US41192821	2014-05-28	2015-05-27
Attenuator	ATTEN	ATS100-4-20	/	2014-05-28	2015-05-27

6.3 Test Procedure

According to the ANSI 63.4-2003, the emission bandwidth test method as follows.

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Set span = 1MHz, centered on a transmitting channel

RBW $\geq$ 1% 20dB Bandwidth, VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down and 99% bandwidth of the emission.

6.4 Environmental Conditions

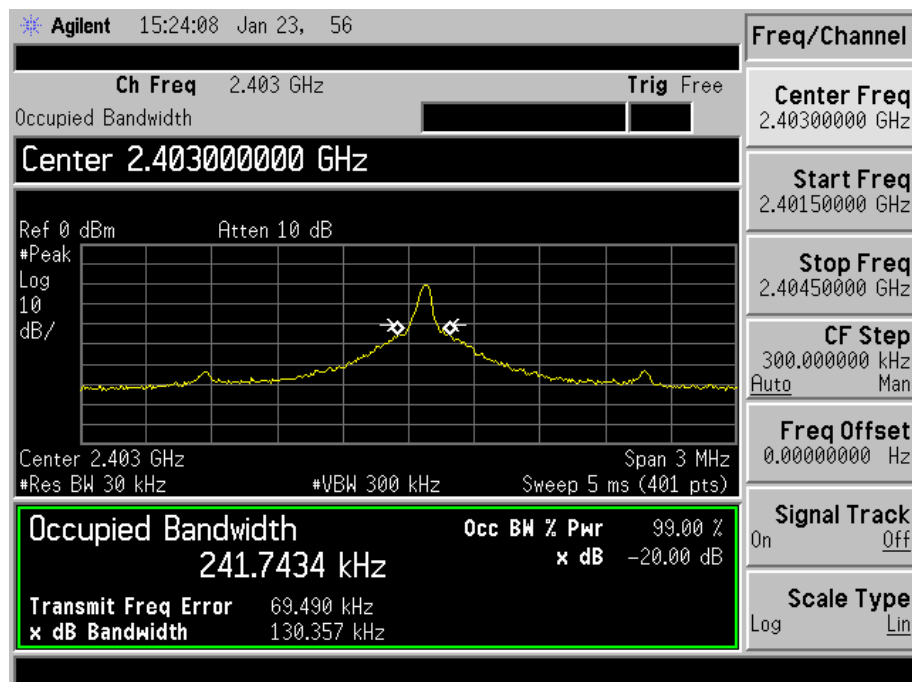
Temperature:	25 °C
Relative Humidity:	53%
ATM Pressure:	1018 mbar

6.5 Summary of Test Results/Plots

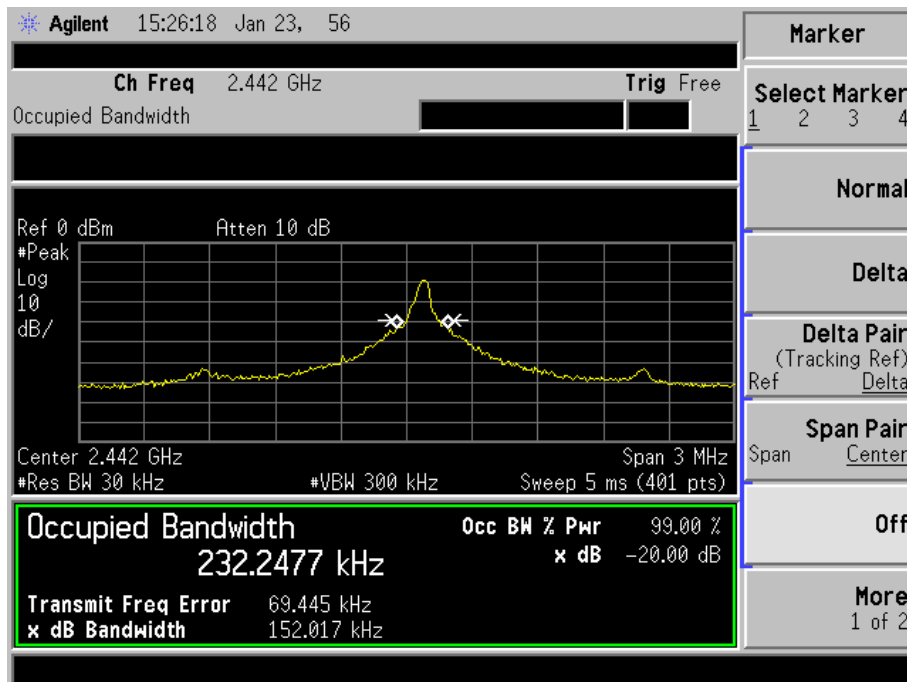
Channel	Frequency MHz	20dB Bandwidth kHz	99% Bandwidth kHz
Low Channel	2403	130.357	241.7434
Middle Channel	2442	152.017	232.2477
High Channel	2477	146.717	231.2916

Please refer to the following test plots

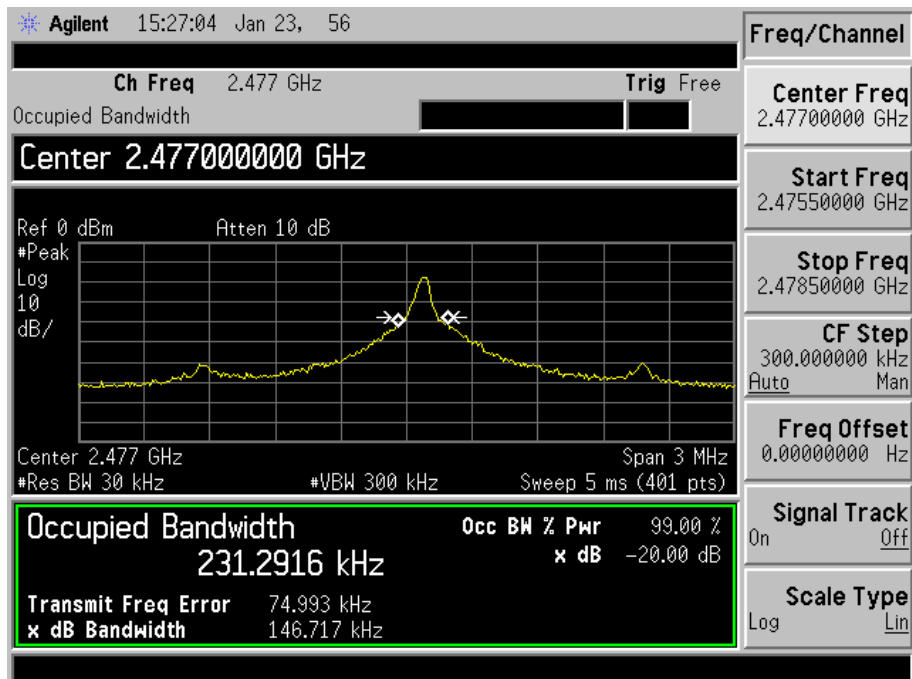
Low Channel:



Middle Channel:



High Channel:



7. Conducted Emissions

7.1 Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is ± 2.88 dB.

7.2 Test Equipment List and Details

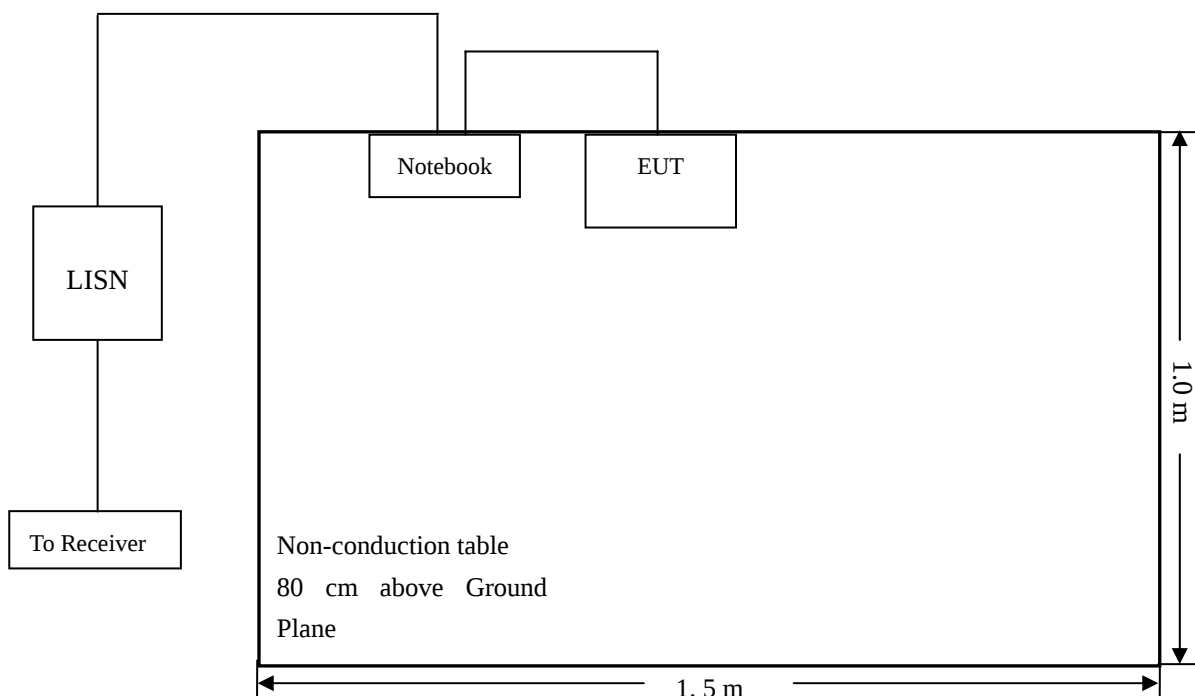
Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2013-05-07	2014-05-06
L.I.S.N	Schwarz beck	NSLK8126	8126-224	2013-05-07	2014-05-06
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2013-05-07	2014-05-06

7.3 Test Procedure

The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.

7.4 Basic Test Setup Block Diagram



7.5 Environmental Conditions

Temperature:	25 °C
Relative Humidity:	52%
ATM Pressure:	1012 mbar

7.6 Test Receiver Setup

During the conducted emission test, the test receiver was set with the following configurations:

Start Frequency 150 kHz
Stop Frequency..... 30 MHz
Sweep Speed Auto
IF Bandwidth..... 10 kHz
Quasi-Peak Adapter Bandwidth 9 kHz
Quasi-Peak Adapter Mode Normal

7.7 Summary of Test Results/Plots

According to the data in section 12.8, the EUT complied with the FCC Part 15.207 Conducted margin for a Class B device, with the *worst* margin reading of:

-12.07 dB at 26.3260 MHz in the Line mode, average detector, 0.15-30MHz

7.8 Conducted Emissions Test Data

Plot of Conducted Emissions Test Data

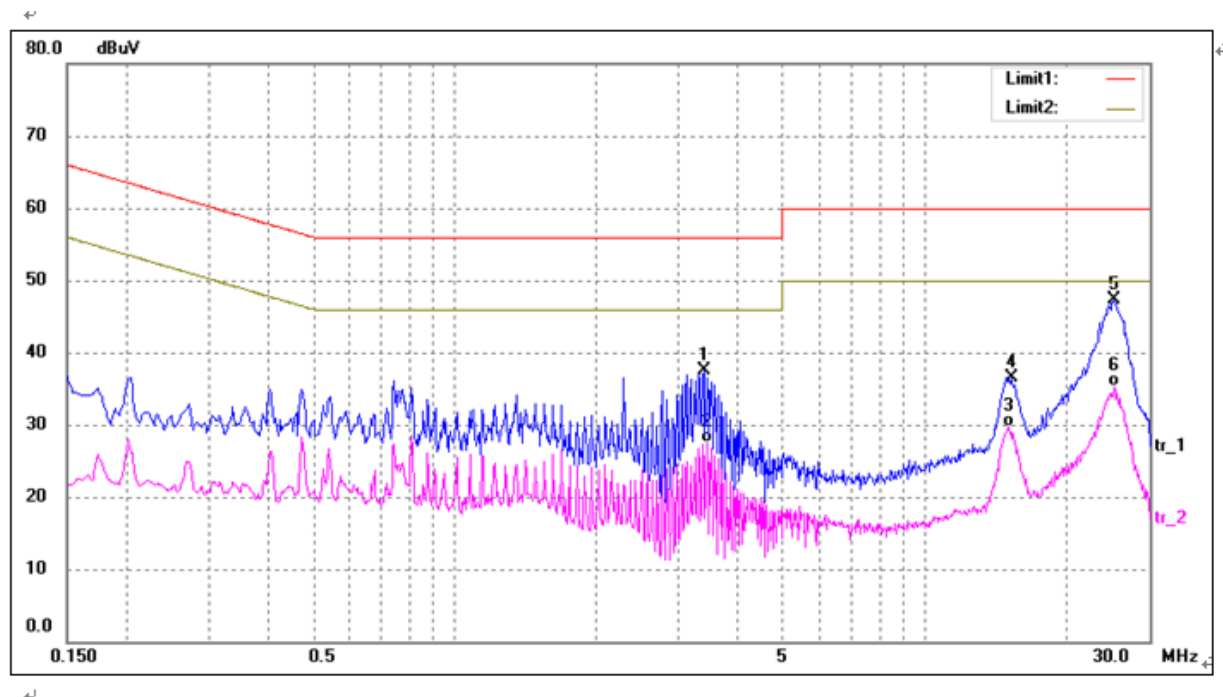
EUT: 2.4G wireless mouse

Tested Model: SR670

Operating Condition: Charging

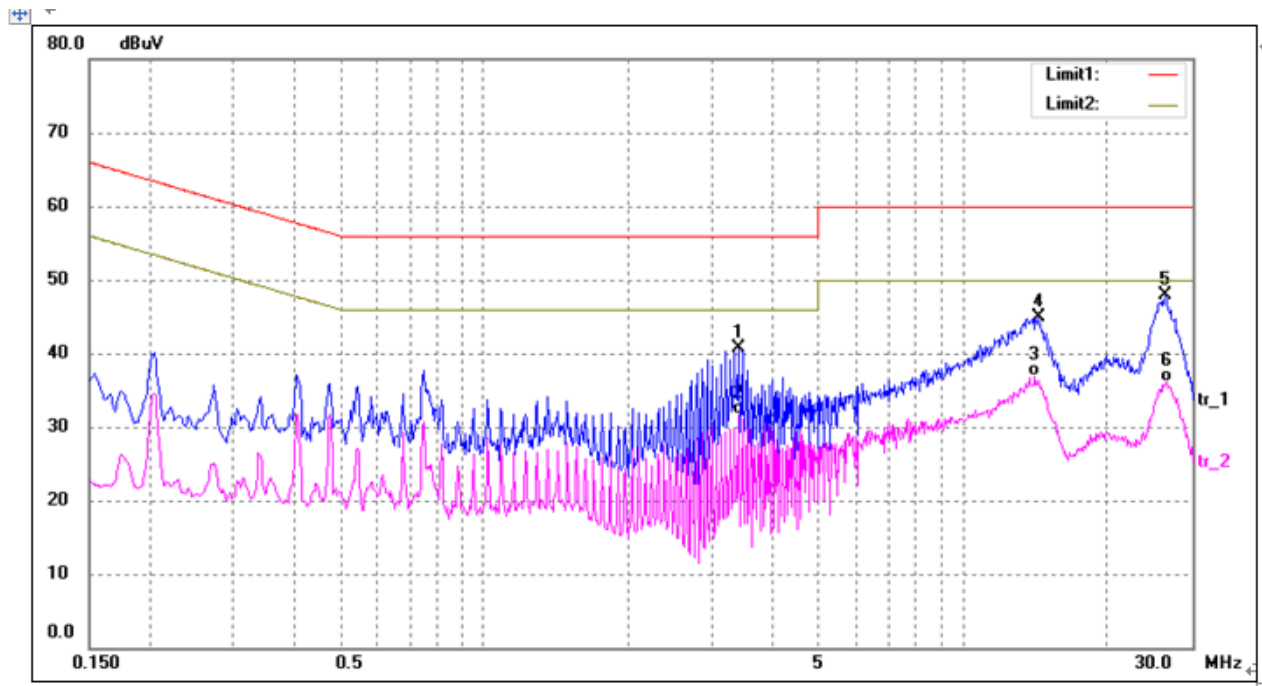
Comment: USB DC 5V

Test Specification: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	3.3820	27.41	10.00	37.41	56.00	-18.59	peak
2	3.4460	17.41	10.00	27.41	46.00	-18.59	AVG
3	15.1260	18.68	11.03	29.71	50.00	-20.29	AVG
4	15.2580	25.48	11.05	36.53	60.00	-23.47	peak
5	25.2620	34.25	13.00	47.25	60.00	-12.75	peak
6	25.2620	22.34	13.00	35.34	50.00	-14.66	AVG

Test Specification: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	3.3940	30.66	10.00	40.66	56.00	-15.34	peak
2	3.3940	21.61	10.00	31.61	46.00	-14.39	AVG
3	14.0940	26.01	10.82	36.83	50.00	-13.17	AVG
4	14.3620	33.94	10.87	44.81	60.00	-15.19	peak
5	26.3260	34.93	13.00	47.93	60.00	-12.07	peak
6	26.5940	23.09	13.00	36.09	50.00	-13.91	AVG

***** END OF REPORT *****