



Underwriters Laboratories Inc.
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Northbrook, IL 60062

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Job Number: 10U13595
Date: January 27, 2011
Model: S1310 (Purple)

Electromagnetic Compatibility Test Report

For

Kyocera Wireless Corp.

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Job Number: 1001252594
Model Number: S1310 (Purple)
Client Name: Kyocera Wireless Corp.

Test Report Details

Tests Performed By: **Underwriters Laboratories Inc.
333 Pfingsten Rd.
Northbrook, IL 60062**

Tests Performed For: **Kyocera Wireless Corp.
10300 Campus Point Drive
San Diego, CA 92121, USA**

Applicant Contact:
Phone:
E-mail:

Test Report Date:

Product Type:

Product standards **FCC Part 15, Subpart C, 15.247 (d)**

Model Number: **S1310**

Sample Serial Number:

EUT Category: **Frequency Hopping Spread Spectrum Transmitter**

Testing Start Date: **January 24, 2011**

Date Testing Complete: **January 26, 2011**

Overall Results: **Compliant**

Underwriters Laboratories Inc. reports apply only to the specific samples tested under stated test conditions. All samples tested were in good operating condition throughout the entire test program. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. Underwriters Laboratories Inc. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from Underwriters Laboratories Inc. issued reports. This report shall not be used to claim, constitute or imply product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any agency of the US government.

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Report Revision History

Revision Date	Description	Revised By	Revision Reviewed By
None			

1.0 GENERAL - Product Description

1.1 Equipment Description

The EUT (Equipment Under Test) is a multiband cellphone with Bluetooth transceiver.

1.2 Device Configuration During Test

1.2.1 Equipment Used During Test:

Use	Product Type	Manufacturer	Model	Comments
EUT	Cellphone with transceiver	Keyocera	S1310	None
AE	Laptop Computer	Dell	PP18L	None

Note: EUT – Equipment Under Test, AE – Auxiliary/Associated Equipment, or SIM – Simulator (Not Subjected to Test)

1.2.2 Input/Output Ports:

Port #	Name	Type*	Cable Max. >3m (Y/N)	Cable Shielded (Y/N)	Comments
0	Enclosure	N/E	—	—	None
1	USB / Power	I/O & DC	N	Y	None
2	Headset	Audio	N	N	None
3	Laptop PS	AC/DC	N	N	PS Model: PA-1900-02D

Note:
 AC = AC Power Port DC = DC Power Port N/E = Non-Electrical
 I/O = Signal Input or Output Port (Not Involved in Process Control)
 TP = Telecommunication Ports

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1.2.3 EUT Internal Operating Frequencies:

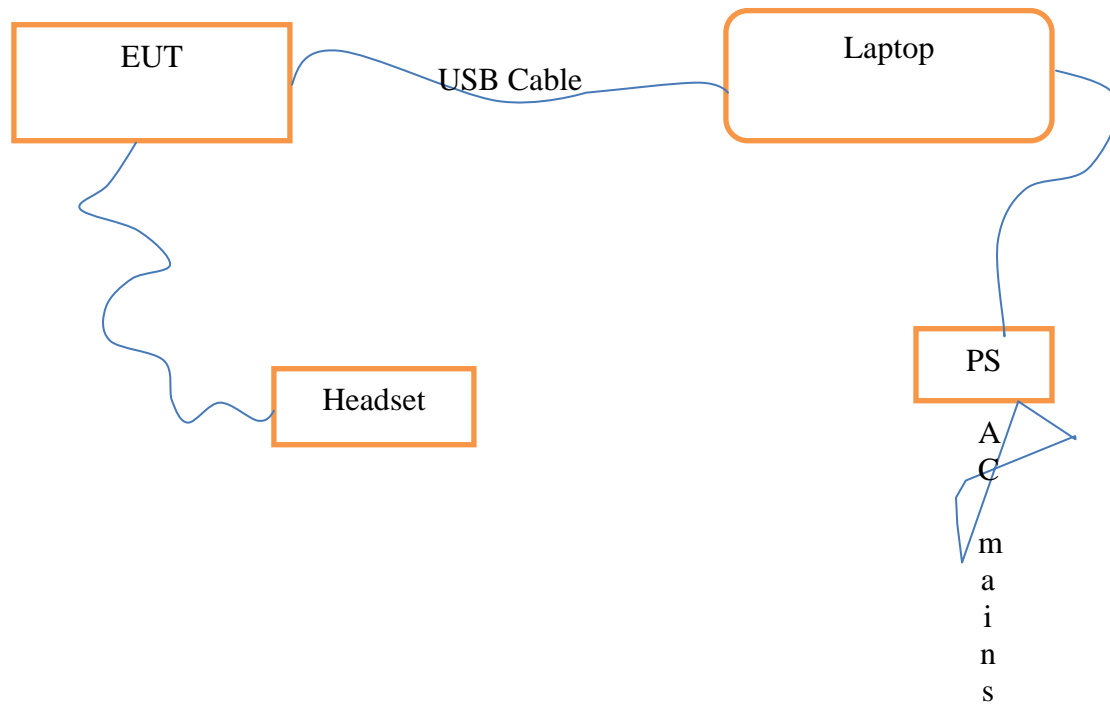
Frequency (MHz)	Description
19.2	Internal oscillator

1.2.4 Power Interface:

Mode # /Rated	Voltage (V)	Current (A)	Power (W)	Frequency (DC/AC-Hz)	Phases (#)	Comments
1	3.6	-	-	DC	-	Battery

1.3 Block Diagram:

The diagram below illustrates the configuration of the equipment above.



1.4 EUT Configurations

Mode #	Description
1	EUT setup on 80cm support connected to laptop computer via USB cable. The headset adapter was connected to EUT.

1.5 EUT Operation Modes

Mode #	Description
1	Transmitting on Low, Middle, and High channels in Basic Rate (GFSK)
2	transmitting on Low, Middle, and High channels in EDR (8PSK)
3	EUT powered on, digital mode

2.0 Summary

The tests listed in the Summary of Testing section of this report have been performed and the results recorded by Underwriters Laboratories Inc. in accordance with the procedures stated in each test requirement and specification. The applicant determined the list of tests performed were applicable to the Equipment Under Test. As a result, the subject product has been verified to comply or not comply as noted in the Summary of Testing with each test specification. The test results relate only to the items tested.

2.1 Deviations from standard test methods

None

2.2 Device Modifications Necessary for Compliance

None

Job Number: 1001252594
Model Number: S1310 (Purple)
Client Name: Kyocera Wireless Corp.

2.3 Reference Standards

Standard Number	Standard Name	Standard Date
FCC Part 15, Subpart C, 15.247(d)	Code of Federal Regulations, Part 15, Radio Frequency Devices	2010

2.4 Results Summary

This product is considered Class B

Requirement – Test	Result (Compliant / Non-Compliant)*
Radiated Spurious Emissions	Compliant
Radiated Band-edge Emissions	Compliant
Radiated Emissions - Digital	Compliant

Test Engineer:

Reviewer:



Bartłomiej Mucha (Ext.41216)
Senior Project Engineer
International EMC Services
Conformity Assessment Services-

International EMC Services
Conformity Assessment Services

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

3.0 Calibration of Equipment Used for Measurement

All test equipment and test accessories are calibrated on a regular basis. The maximum time between calibrations is one year or the manufacturers' recommendation, whichever is less.

All test equipment calibrations are traceable to the National Institute of Standards and Technology (NIST); therefore, all test data recorded in this report is traceable to NIST.

4.0 EMISSIONS TEST RESULTS

The emissions tests were performed according to following regulations:

----- United States -----

Code of Federal Regulations Title 47	Part 15, Subpart B, Radio Frequency Devices
--------------------------------------	---------------------------------------------

Unless specified otherwise in the individual Methods, the tests shall be conducted under the following ambient conditions. Confirmation of these conditions shall be verified at the time the test is conducted.

Ambient Temperature, °C	22.5 ± 2.5	Relative Humidity, %	45 ± 15	Barometric Pressure, mBar	950 ± 150
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Sample Calculations

Radiated Field Strength and Conducted Emissions data contained within this report is calculated on the following basis:

- Field Strength (dBuV/m) = Meter Reading (dBuV) + AF (dB/m) - Gain (dB) + Cable Loss (dB)
- Conducted Voltage (dBuV) = Meter Reading (dBuV) + Cable Loss (dB) + LISN IL (dB)
- Conducted Current (dBuA) = Meter Reading (dBuV) + Cable Loss (dB) - Transducer Factor (dBohms)

4.1 Test Conditions and Results – RADIATED SPURIOUS EMISSIONS

Test Description	Measurements were made in a 10-meter semi-anechoic chamber that complies to CISPR 16/ANSI C63.4. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10-meter or 3-meter as noted. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in both horizontal and vertical polarities. Final measurements (quasi-peak or average as noted) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.	
Basic Standard	47 CFR Part 15	
UL LPG	80-EM-S0029	
	Frequency range	Measurement Point
Fully configured sample scanned over the following frequency range	30MHz – 1GHz	10 meter distance
	1GHz – 25GHz	3 meter distance
Limits		
Frequency (MHz)	Limit (dBµV/m)	
	Quasi-Peak	Average
30 – 88	29.54	-
88 – 216	33.04	-
216 - 960	35.54	-
960 - 1000	43.54	-
1000 - 25000	74-Peak	54
Supplementary information: Portable transmitters are to be checked in 3 orthogonal axis. Limits are applicable only to frequencies in the restricted bands.		

Table 1 Radiated Emissions EUT Configuration Settings

Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	1 and 2
Supplementary information: None		

Table 2 Radiated Emissions Test Equipment

Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESU	EMC4323	Jan 2010	Jan 2011
Bicon Antenna	Electro-Metrics	EM6912A	EMC4070	Jun 2010	Jun 2011
Log-P Antenna	Chase	UPA6109	EMC4313	Jun 2010	Jun 2011
Spectrum Analyzer	Rhode & Schwarz	FSEK	EMC4182	Jan 2010	Jan 2011
Antenna Array	UL	BOMS	EMC4276	Jan 2010	Jan 2011

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Figure 1 Radiated Emissions 30MHz – 1000MHz Graphs, GFSK, Mid Channel, X-Axis

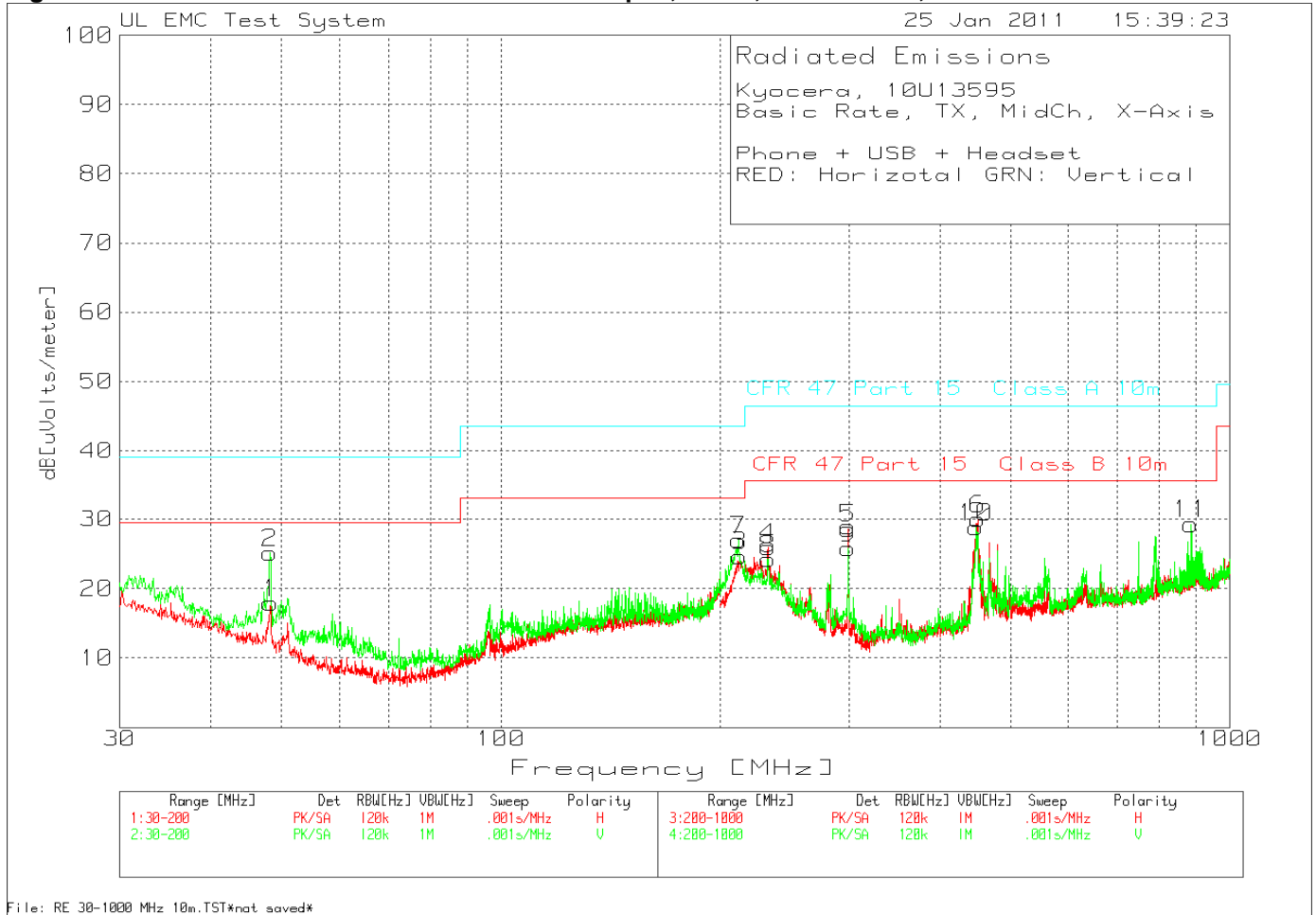


Table 3 Radiated Emissions 30MHz – 1000MHz Data Points, GFSK, Mid Channel, X-Axis

Kyocera, 10U13595

Basic Rate, TX, MidCh, X-Axis

Phone + USB + Headset

RED: Horizontal GRN: Vertical

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
1	48.2659	37.57 PK	-30.2	10.6	17.97	-	-	39.1	29.6	-	-
		Height:400	Horz	Margin [dB]		-	-	-21.13	-11.63	-	-
2	48.1809	44.68 PK	-30.2	10.7	25.18	-	-	39.1	29.6	-	-
		Height:100	Vert	Margin [dB]		-	-	-13.92	-4.42	-	-
3	212.2585	46.99 PK	-33.3	11	24.69	-	-	43.5	33.1	-	-
		Height:402	Horz	Margin [dB]		-	-	-18.81	-8.41	-	-
4	232.5117	47.92 PK	-33.1	11.1	25.92	-	-	46.4	35.6	-	-
		Height:402	Horz	Margin [dB]		-	-	-20.48	-9.68	-	-
5	299.4004	48.33 PK	-32.8	13.1	28.63	-	-	46.4	35.6	-	-
		Height:300	Horz	Margin [dB]		-	-	-17.77	-6.97	-	-
6	451.0326	45.01 PK	-32	17	30.01	-	-	46.4	35.6	-	-
		Height:203	Horz	Margin [dB]		-	-	-16.39	-5.59	-	-
7	211.7255	49.29 PK	-33.3	11	26.99	-	-	43.5	33.1	-	-
		Height:100	Vert	Margin [dB]		-	-	-16.51	-6.11	-	-
8	233.0446	46.32 PK	-33.2	11.1	24.22	-	-	46.4	35.6	-	-
		Height:100	Vert	Margin [dB]		-	-	-22.18	-11.38	-	-
9	299.4004	45.48 PK	-32.8	13.1	25.78	-	-	46.4	35.6	-	-
		Height:100	Vert	Margin [dB]		-	-	-20.62	-9.82	-	-
10	449.1672	43.88 PK	-32	17	28.88	-	-	46.4	35.6	-	-
		Height:401	Vert	Margin [dB]		-	-	-17.52	-6.72	-	-
11	883.5443	37.99 PK	-31.4	22.7	29.29	-	-	46.4	35.6	-	-
		Height:201	Vert	Margin [dB]		-	-	-17.11	-6.31	-	-

LIMIT 3: CFR 47 Part 15 Class A 10m

LIMIT 4: CFR 47 Part 15 Class B 10m

Test	Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
	48.2058	42.2 QP	-30.2	10.7	22.7	-	-	39.1	29.6	-	-
	Azimuth: 6	Height:100	Vert	Margin [dB]:		-	-	-16.4	-6.9	-	-
	451.0328	31.47 QP	-32	17	16.47	-	-	46.4	35.6	-	-
	Azimuth: 172	Height:301	Vert	Margin [dB]:		-	-	-29.93	-19.13	-	-

LIMIT 3: CFR 47 Part 15 Class A 10m

LIMIT 4: CFR 47 Part 15 Class B 10m

PK - Peak detector
 QP - Quasi-Peak detector

Figure 2 Radiated Emissions Graphs, GFSK, Low Channel, X-Axis

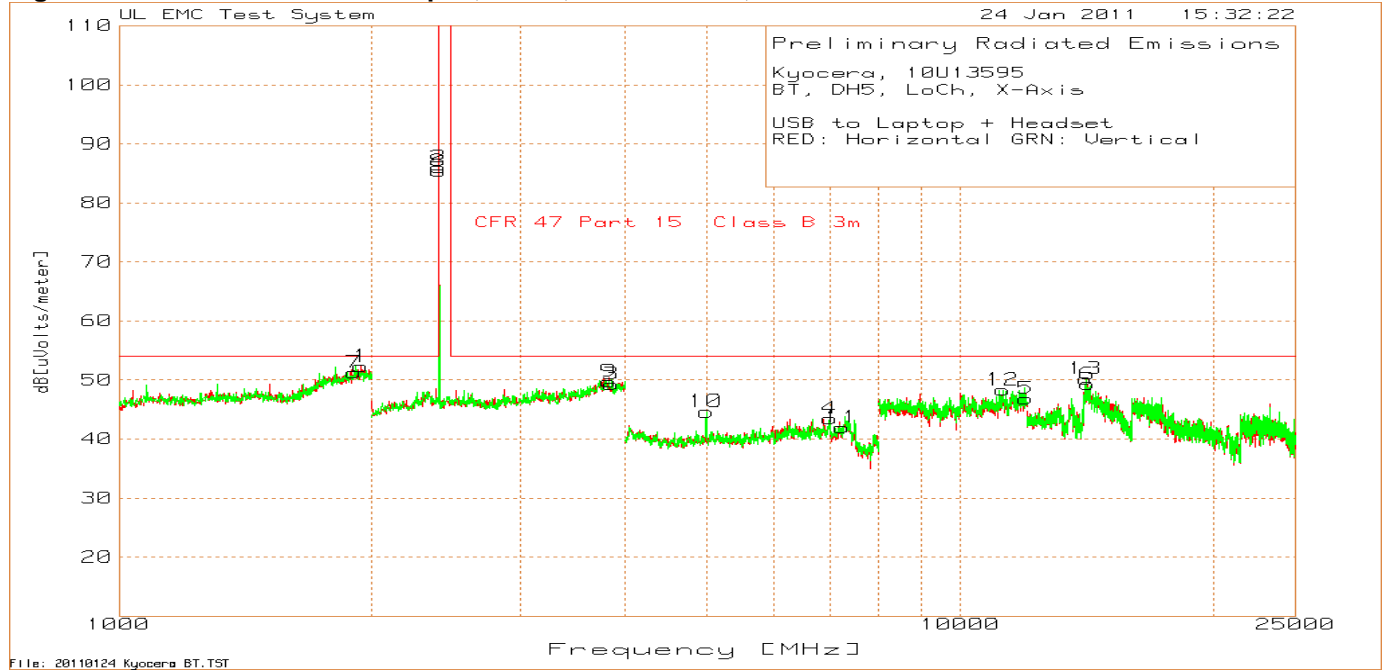


Table 4 Radiated Emissions Data Points, GFSK, Low Channel, X-Axis

Kyocera, 10U13595
 BT, DH5, LoCh, X-Axis
 USB to Laptop + Headset
 RED: Horizontal GRN: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB[uV]]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1 [dB]	Polarity
1	1939.88	21.25	PK	3.53	27.5	52.28	54	-1.72	Horz
2	2400.802	59.89	PK	4.35	21.8	86.04			Horz
3	3847.695	19.58	PK	5.69	24	49.27	54	-4.73	Horz
4	6998.999	59.2	PK	-45.03	29.3	43.47	54	-10.53	Horz
5	11959.96	54.29	PK	-44.93	37.5	46.86	54	-7.14	Horz
6	14177.452	46.2	PK	-36.79	39.9	49.31	54	-4.69	Horz
7	1901.804	20.2	PK	3.44	27.6	51.24	54	-2.76	Vert
8	2400.802	59.23	PK	4.35	21.8	85.38			Vert
9	3823.647	20.36	PK	5.38	24	49.74	54	-4.26	Vert
10	4988.989	67.79	PK	-50.97	27.8	44.62	54	-9.38	Vert
11	7227.227	58.65	PK	-46.58	29.9	41.97	54	-12.03	Vert
12	11231.231	57.24	PK	-45.74	36.8	48.3	54	-5.7	Vert
13	14085.39	47.42	PK	-37.13	39.9	50.19	54	-3.81	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 3 Radiated Emissions Graphs, GFSK, Low Channel, Y-Axis

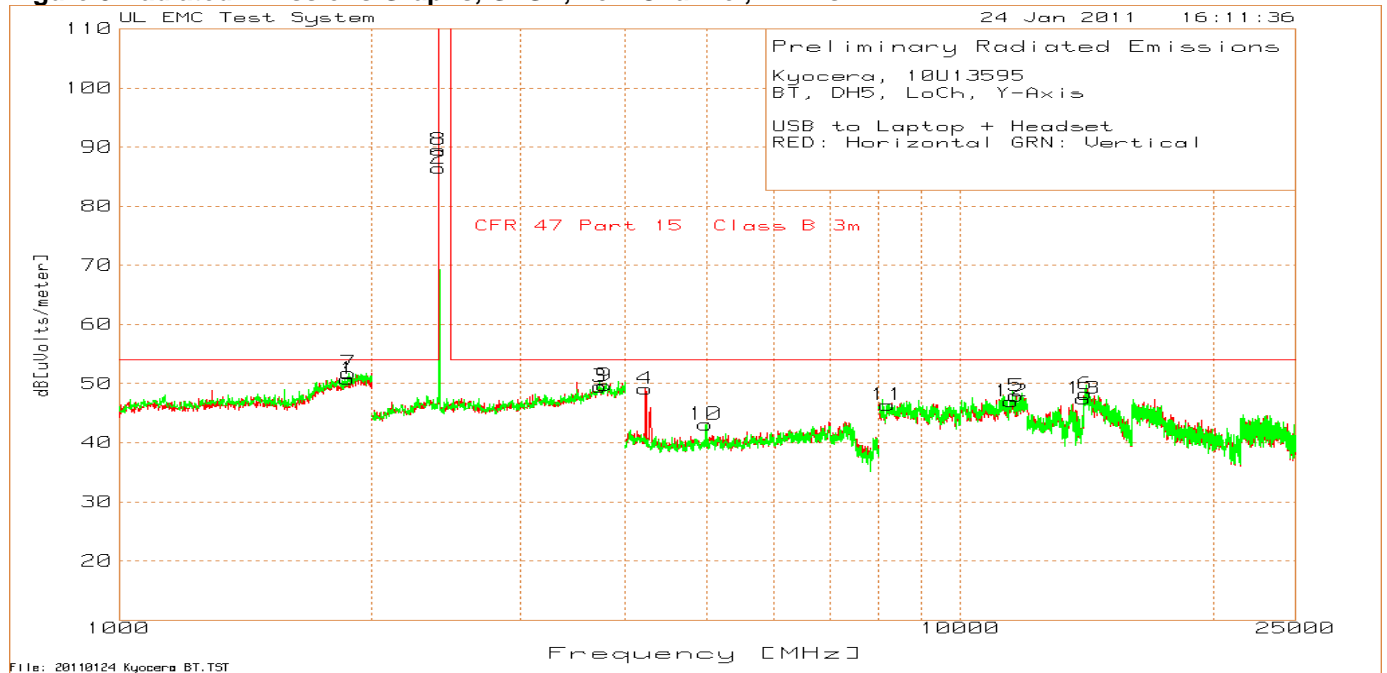


Table 5 Radiated Emissions Data Points, GFSK, Low Channel, Y-Axis

Kyocera, 10U13595
 BT, DHS, LoCh, Y-Axis
 USB to Laptop + Headset
 RED: Horizontal GRN: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1869.739	19.83	PK	3.53	27.4	50.76	54	-3.24	Horz
2	2400.802	60.28	PK	4.35	21.8	86.43			Horz
3	3731.463	20.03	PK	5.78	23.7	49.51	54	-4.49	Horz
4	4224.224	72.29	PK	-51.49	28.3	49.1	54	-4.9	Horz
5	11647.648	56.22	PK	-45.77	37.5	47.95	54	-6.05	Horz
6	14085.39	45.47	PK	-37.13	39.9	48.24	54	-5.76	Horz
7	1873.747	20.83	PK	3.57	27.4	51.8	54	-2.2	Vert
8	2400.802	63.38	PK	4.35	21.8	89.53			Vert
9	3775.551	19.87	PK	5.81	24	49.68	54	-4.32	Vert
10	4980.981	66.14	PK	-50.84	27.8	43.1	54	-10.9	Vert
11	8188.188	58.24	PK	-48.17	36.3	46.37	54	-7.63	Vert
12	11495.495	56.61	PK	-46.73	37.1	46.98	54	-7.02	Vert
13	14005.337	46.3	PK	-38.77	39.9	47.43	54	-6.57	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 4 Radiated Emissions Graphs, GFSK, Low Channel, Z-Axis

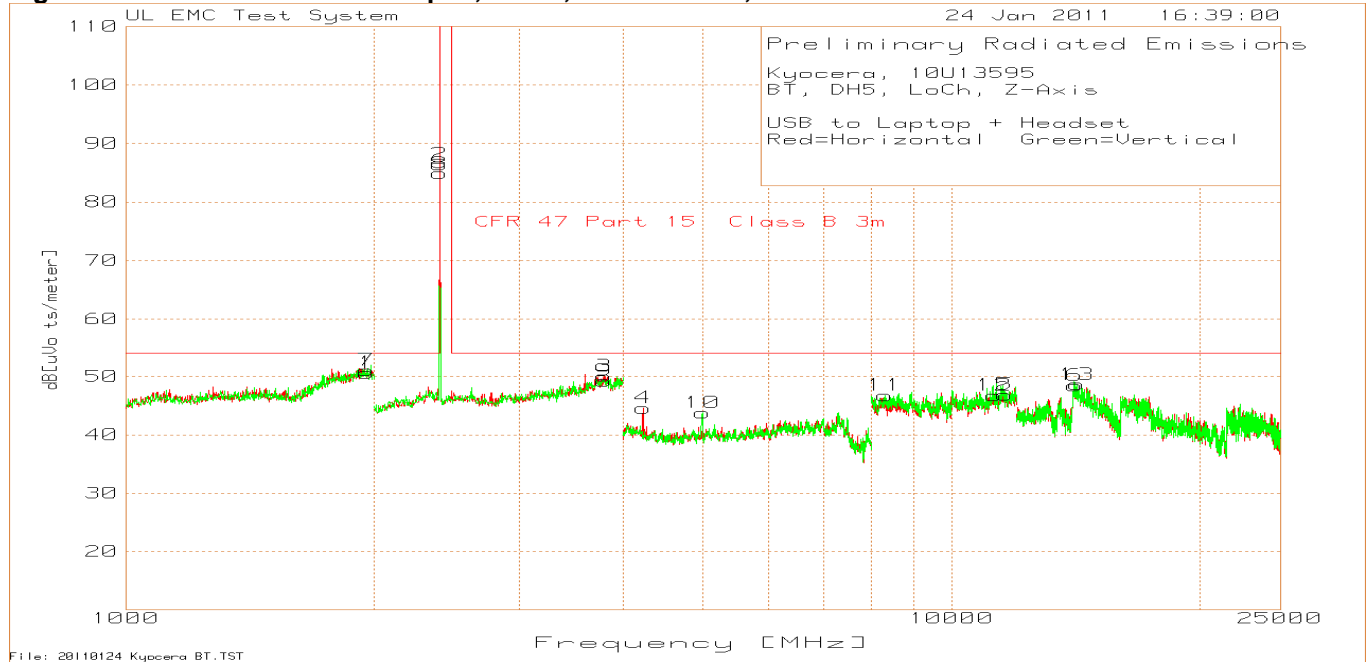


Table 6 Radiated Emissions Data Points, GFSK, Low Channel, Z-Axis

Kyocera, 10U13595
 BT, DH5, LoCh, Z-Axis
 USB to Laptop + Headset
 Red=Horizontal Green=Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1957.916	19.66	PK	3.45	27.5	50.61	54	-3.39	Horz
2	2400.802	60.28	PK	4.35	21.8	86.43			Horz
3	3795.591	20.15	PK	5.84	24.1	50.09	54	-3.91	Horz
4	4232.232	67.79	PK	-51.54	28.3	44.55	54	-9.45	Horz
5	11603.604	55.92	PK	-46.47	37.4	46.85	54	-7.15	Horz
6	14093.396	46.03	PK	-37.43	39.9	48.5	54	-5.5	Horz
7	1955.912	20.15	PK	3.45	27.5	51.1	54	-2.9	Vert
8	2400.802	58.74	PK	4.35	21.8	84.89			Vert
9	3799.599	19.46	PK	5.69	24.1	49.25	54	-4.75	Vert
10	4992.993	66.96	PK	-51.01	27.8	43.75	54	-10.25	Vert
11	8300.3	58.32	PK	-48.09	36.5	46.73	54	-7.27	Vert
12	11271.271	57.17	PK	-47.19	36.8	46.78	54	-7.22	Vert
13	14173.449	45.58	PK	-36.86	39.9	48.62	54	-5.38	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 5 Radiated Emissions Graphs, GFSK, Mid Channel, X-Axis

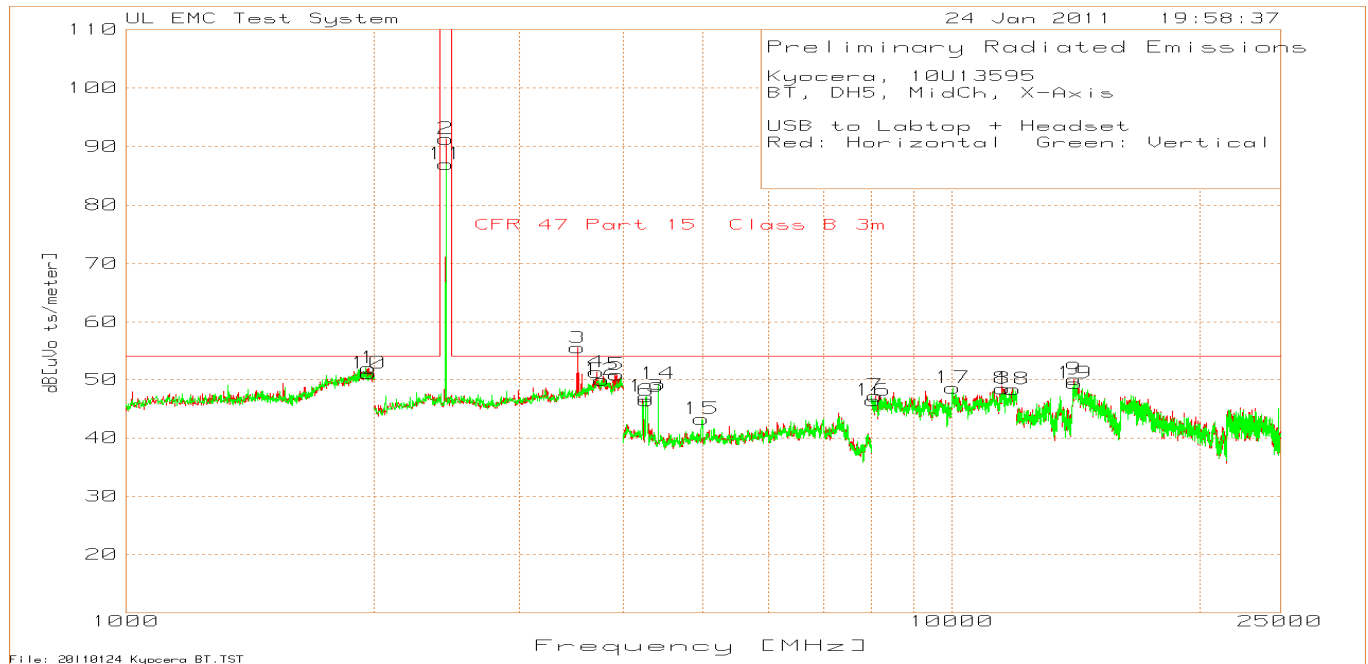


Table 7 Radiated Emissions Data Points, GFSK, Mid Channel, X-Axis

Kyocera, 10U13595
 BT, DH5, MidCh, X-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1967.936	21	PK	3.51	27.5	52.01	54	-1.99	Horz
2	2440.882	65.17	PK	4.18	21.9	91.25			Horz
*3	3527.054	27.1	PK	4.95	23.4	55.45	54	1.45	Horz
4	3719.439	21.57	PK	6.06	23.6	51.23	54	-2.77	Horz
5	3935.872	21.41	PK	5.46	24	50.87	54	-3.13	Horz
6	4276.276	70.43	PK	-52.23	28.2	46.4	54	-7.6	Horz
7	8084.084	59.07	PK	-48.11	36.2	47.16	54	-6.84	Horz
8	11547.548	57.11	PK	-45.83	37.2	48.48	54	-5.52	Horz
9	14081.388	47.2	PK	-37.08	39.9	50.02	54	-3.98	Horz
10	1967.936	20.09	PK	3.51	27.5	51.1	54	-2.9	Vert
11	2440.882	60.91	PK	4.18	21.9	86.99			Vert
12	3771.543	20.28	PK	5.74	23.9	49.92	54	-4.08	Vert
13	4268.268	70.88	PK	-52.01	28.2	47.07	54	-6.93	Vert
14	4412.412	73.33	PK	-52.11	28	49.22	54	-4.78	Vert
15	4988.989	66.43	PK	-50.97	27.8	43.26	54	-10.74	Vert
16	8036.036	58.21	PK	-47.89	36.1	46.42	54	-7.58	Vert
17	10026.026	59.4	PK	-47.22	36.4	48.58	54	-5.42	Vert
18	11863.864	56.27	PK	-45.62	37.7	48.35	54	-5.65	Vert
19	14093.396	46.84	PK	-37.43	39.9	49.31	54	-4.69	Vert

* Emission outside of restricted band, limit not applicable

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 6 Radiated Emissions Graphs, GFSK, Mid Channel, Y-Axis

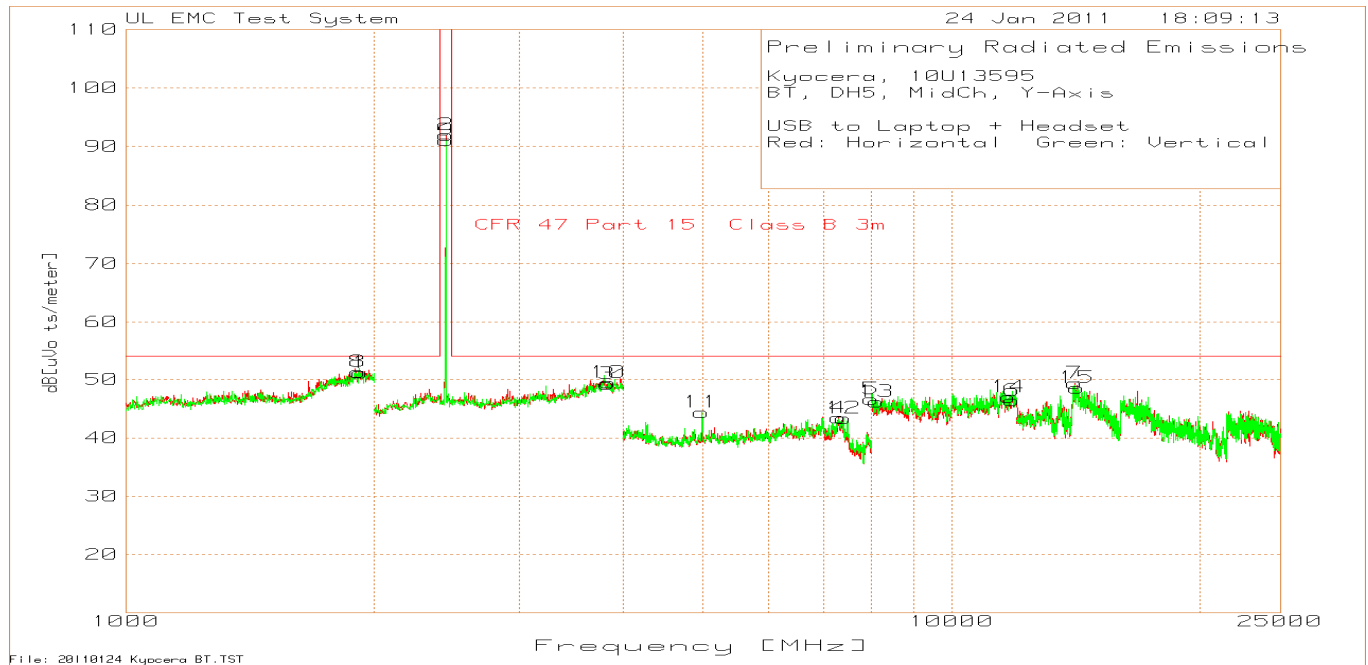


Table 8 Radiated Emissions Data Points, GFSK, Mid Channel, Y-Axis

Kyocera, 10U13595
 BT, DH5, MidCh, Y-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1925.852	19.98	PK	3.6	27.6	51.18	54	-2.82	Horz
2	2440.882	65.92	PK	4.18	21.9	92			Horz
3	3831.663	19.91	PK	5.36	24	49.27	54	-4.73	Horz
4	7287.287	57.85	PK	-44.84	30.4	43.41	54	-10.59	Horz
5	8004.004	57.2	PK	-46.71	36.1	46.59	54	-7.41	Horz
6	11831.832	54.65	PK	-45.98	37.7	46.37	54	-7.63	Horz
7	14089.393	46.59	PK	-37.17	39.9	49.32	54	-4.68	Horz
8	1913.828	20.14	PK	3.55	27.6	51.29	54	-2.71	Vert
9	2440.882	65.02	PK	4.18	21.9	91.1			Vert
10	3843.687	19.92	PK	5.54	24	49.46	54	-4.54	Vert
11	4980.981	67.39	PK	-50.84	27.8	44.35	54	-9.65	Vert
12	7403.403	58.89	PK	-46.59	31.1	43.4	54	-10.6	Vert
13	8112.112	58.75	PK	-48.77	36.2	46.18	54	-7.82	Vert
14	11723.724	56.18	PK	-46.86	37.7	47.02	54	-6.98	Vert
15	14173.449	45.52	PK	-36.86	39.9	48.56	54	-5.44	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 7 Radiated Emissions Graphs, GFSK, Mid Channel, Z-Axis

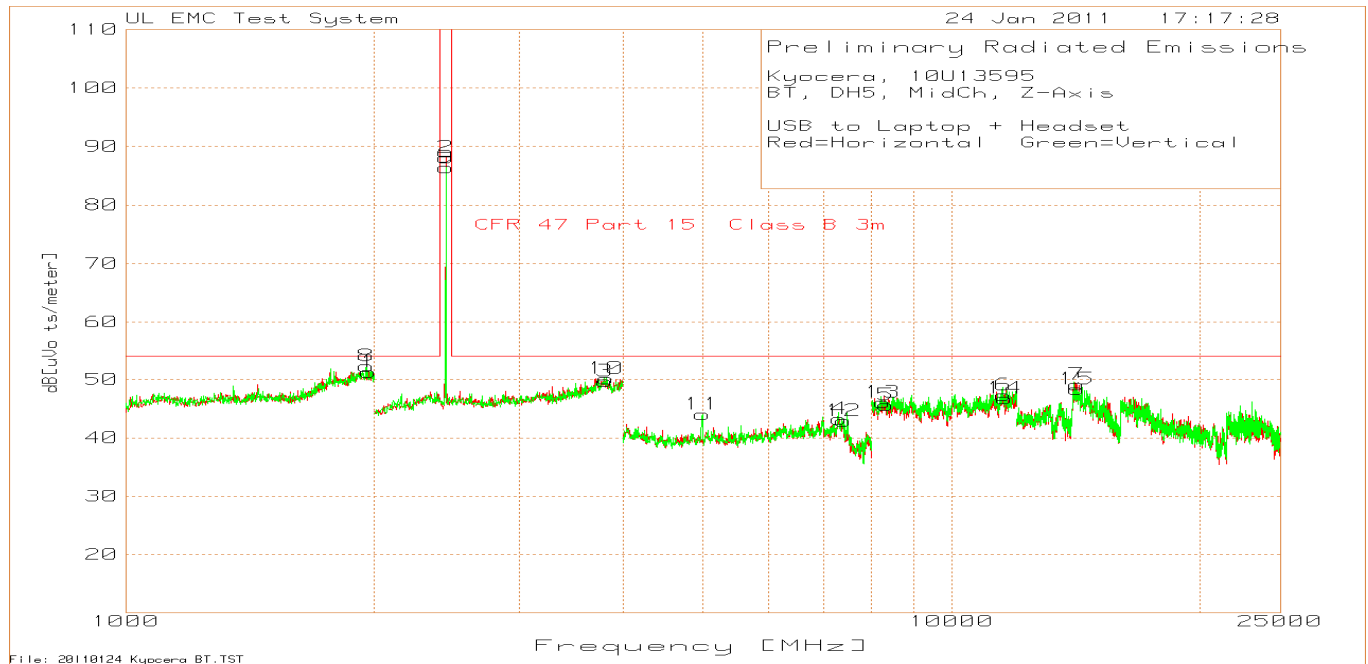


Table 9 Radiated Emissions Data Points, GFSK, Mid Channel, Z-Axis

Kyocera, 10U13595
 BT, DH5, MidCh, Z-Axis
 USB to Laptop + Headset
 Red=Horizontal Green=Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1967.936	20.3	PK	3.51	27.5	51.31	54	-2.69	Horz
2	2440.882	62.03	PK	4.18	21.9	88.11			Horz
3	3811.623	20.37	PK	5.25	24.1	49.72	54	-4.28	Horz
4	7315.315	58.13	PK	-45.48	30.6	43.25	54	-10.75	Horz
5	8324.324	57.88	PK	-48.75	36.5	45.63	54	-8.37	Horz
6	11583.584	56.86	PK	-46.81	37.3	47.35	54	-6.65	Horz
7	14177.452	46.02	PK	-36.79	39.9	49.13	54	-4.87	Horz
8	1959.92	21.32	PK	3.46	27.5	52.28	54	-1.72	Vert
9	2440.882	60.33	PK	4.18	21.9	86.41			Vert
10	3823.647	20.72	PK	5.38	24	50.1	54	-3.9	Vert
11	4992.993	67.29	PK	-51.01	27.8	44.08	54	-9.92	Vert
12	7399.399	58.09	PK	-46.4	31.2	42.89	54	-11.11	Vert
13	8264.264	57.58	PK	-47.9	36.4	46.08	54	-7.92	Vert
14	11603.604	55.85	PK	-46.47	37.4	46.78	54	-7.22	Vert
15	14173.449	45.26	PK	-36.86	39.9	48.3	54	-5.7	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 8 Radiated Emissions Graphs, GFSK, High Channel, X-Axis

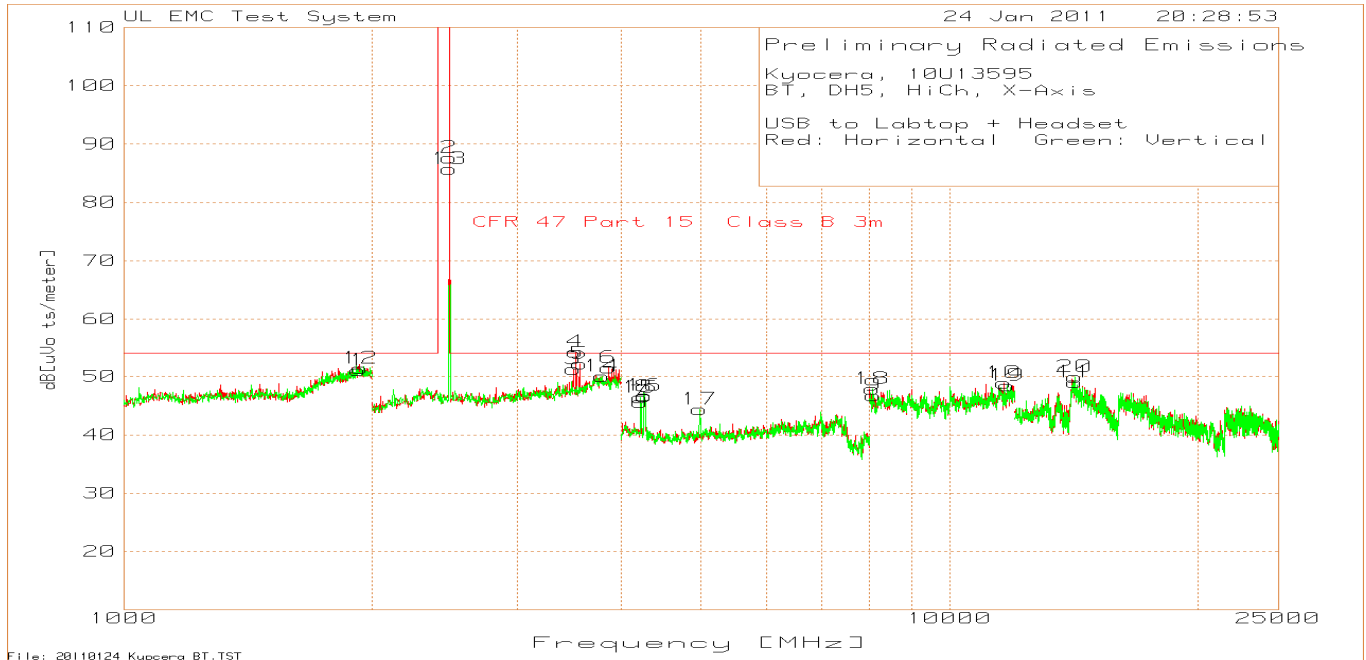


Table 10 Radiated Emissions Data Points, GFSK, High Channel, X-Axis

Kyocera, 10U13595
 BT, DH5, HiCh, X-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1923.848	19.82	PK	3.61	27.6	51.03	54	-2.97	Horz
2	2476.954	61.66	PK	3.98	22	87.64			Horz
3	3503.006	22.74	PK	5.07	23.5	51.31	54	-2.69	Horz
*4	3527.054	25.86	PK	4.95	23.4	54.21	54	.21	Horz
5	3563.126	23.79	PK	5.15	23.3	52.24	54	-1.76	Horz
6	3867.735	22.46	PK	5.15	23.9	51.51	54	-2.49	Horz
7	4224.224	68.77	PK	-51.49	28.3	45.58	54	-8.42	Horz
8	4268.268	70.39	PK	-52.01	28.2	46.58	54	-7.42	Horz
9	8088.088	58.75	PK	-48.2	36.2	46.75	54	-7.25	Horz
10	11635.636	57.09	PK	-45.66	37.5	48.93	54	-5.07	Horz
11	14177.452	45.95	PK	-36.79	39.9	49.06	54	-4.94	Horz
12	1935.872	20.28	PK	3.53	27.6	51.41	54	-2.59	Vert
13	2476.954	59.78	PK	3.98	22	85.76			Vert
14	3795.591	20.1	PK	5.84	24.1	50.04	54	-3.96	Vert
15	4224.224	69.59	PK	-51.49	28.3	46.4	54	-7.6	Vert
16	4268.268	70.58	PK	-52.01	28.2	46.77	54	-7.23	Vert
17	4980.981	67.45	PK	-50.84	27.8	44.41	54	-9.59	Vert
18	8076.076	59.59	PK	-47.95	36.2	47.84	54	-6.16	Vert
19	11743.744	56.98	PK	-46.31	37.8	48.47	54	-5.53	Vert
20	14177.452	46.83	PK	-36.79	39.9	49.94	54	-4.06	Vert

* Emission outside of restricted band, limit not applicable
 LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 9 Radiated Emissions Graphs, GFSK, High Channel, Y-Axis

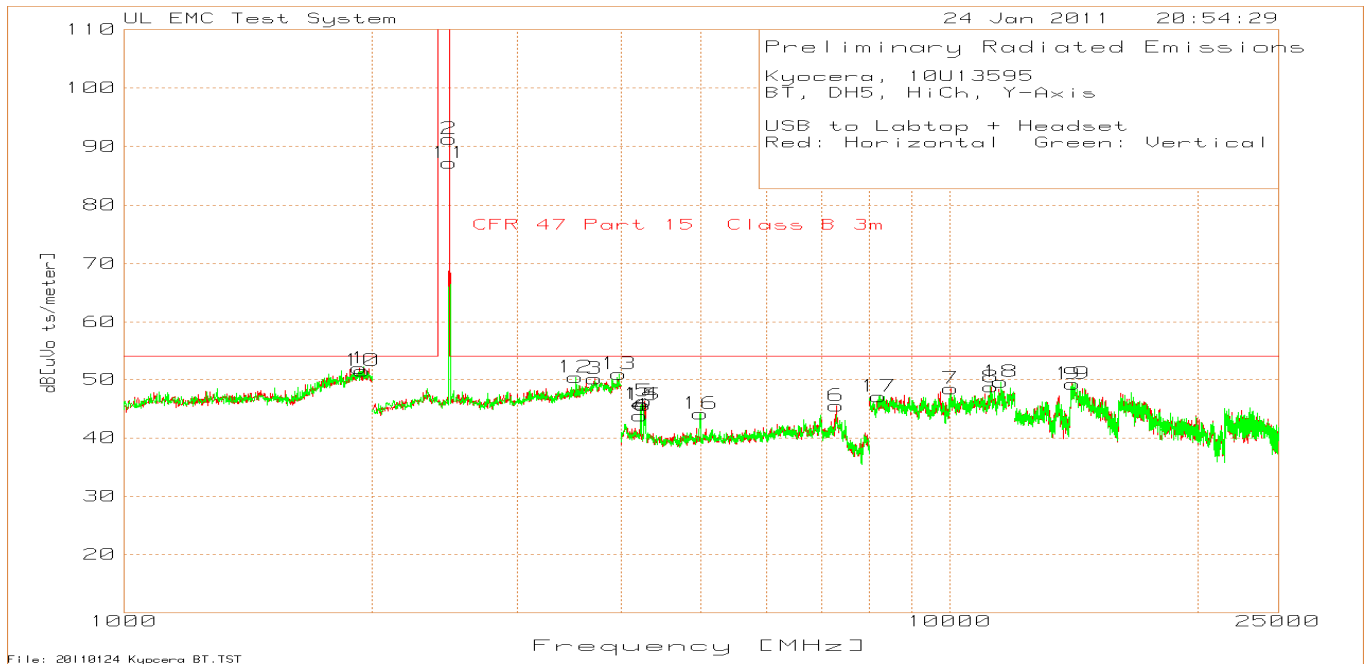


Table 11 Radiated Emissions Data Points, GFSK, High Channel, Y-Axis

Kyocera, 10U13595
 BT, DH5, HiCh, Y-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1931.864	20.76	PK	3.55	27.6	51.91	54	-2.09	Horz
2	2476.954	65.32	PK	3.98	22	91.3			Horz
3	3715.431	20.58	PK	5.97	23.6	50.15	54	-3.85	Horz
4	4220.22	66.96	PK	-51.43	28.3	43.83	54	-10.17	Horz
5	4272.272	70.29	PK	-52.16	28.2	46.33	54	-7.67	Horz
6	7287.287	59.9	PK	-44.84	30.4	45.46	54	-8.54	Horz
7	10026.026	59.32	PK	-47.22	36.4	48.5	54	-5.5	Horz
8	11231.231	57.67	PK	-45.74	36.8	48.73	54	-5.27	Horz
9	14089.393	46.46	PK	-37.17	39.9	49.19	54	-4.81	Horz
10	1945.892	20.48	PK	3.54	27.5	51.52	54	-2.48	Vert
11	2480.962	61.24	PK	3.92	22	87.16			Vert
12	3527.054	22	PK	4.95	23.4	50.35	54	-3.65	Vert
13	3979.96	21.33	PK	5.3	24.3	50.93	54	-3.07	Vert
14	4236.236	69.07	PK	-51.48	28.2	45.79	54	-8.21	Vert
15	4260.26	69.13	PK	-51.75	28.2	45.58	54	-8.42	Vert
16	4996.997	67.32	PK	-51.02	27.8	44.1	54	-9.9	Vert
17	8200.2	58.71	PK	-47.92	36.3	47.09	54	-6.91	Vert
18	11539.54	58.09	PK	-45.75	37.2	49.54	54	-4.46	Vert
19	14089.393	46.51	PK	-37.17	39.9	49.24	54	-4.76	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 10 Radiated Emissions Graphs, GFSK, High Channel, Z-Axis

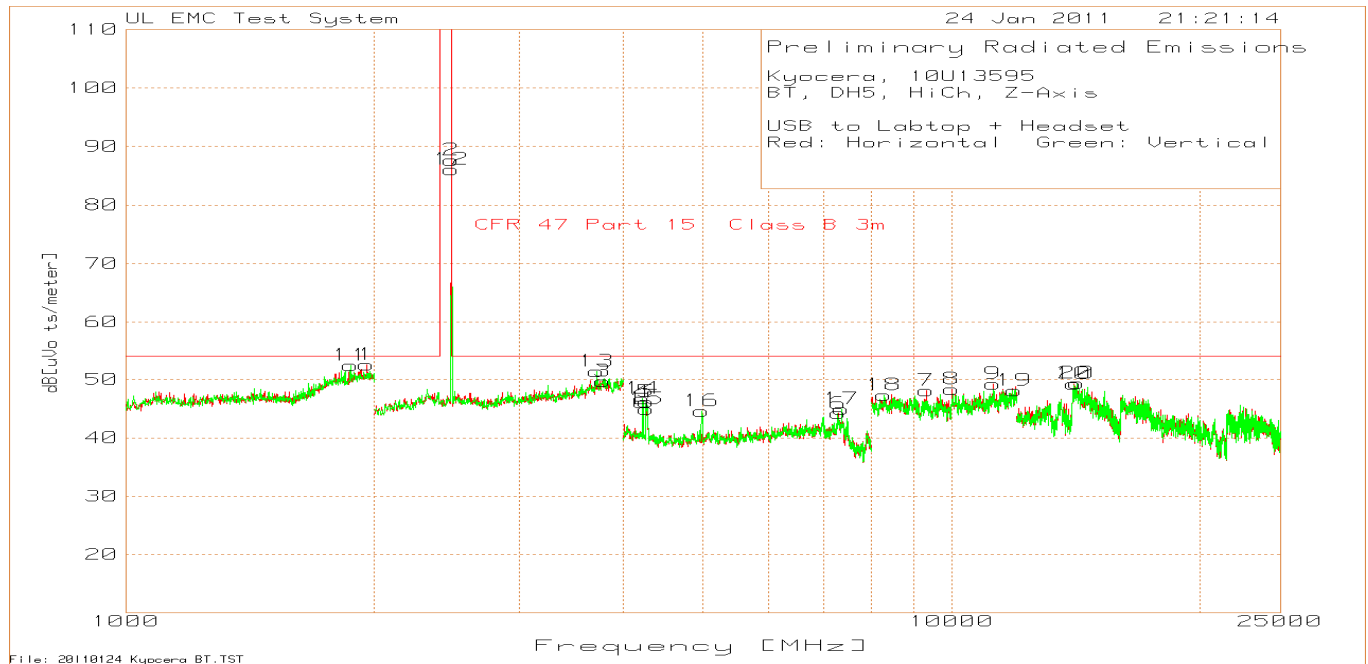


Table 12 Radiated Emissions Data Points, GFSK, High Channel, Z-Axis

Kyocera, 10U13595
 BT, DH5, HiCh, Z-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1957.916	21.61	PK	3.45	27.5	52.56	54	-1.44	Horz
2	2476.954	61.71	PK	3.98	22	87.69			Horz
3	3787.575	19.92	PK	5.8	24	49.72	54	-4.28	Horz
4	4224.224	69.29	PK	-51.49	28.3	46.1	54	-7.9	Horz
5	4272.272	70.14	PK	-52.16	28.2	46.18	54	-7.82	Horz
6	7287.287	58.64	PK	-44.84	30.4	44.2	54	-9.8	Horz
7	9321.321	60.14	PK	-48.46	36.4	48.08	54	-5.92	Horz
8	10014.014	59.25	PK	-47.35	36.4	48.3	54	-5.7	Horz
9	11235.235	58.28	PK	-45.81	36.8	49.27	54	-4.73	Horz
10	14065.377	46.97	PK	-37.64	39.9	49.23	54	-4.77	Horz
11	1871.743	21.49	PK	3.55	27.4	52.44	54	-1.56	Vert
12	2480.962	60.11	PK	3.92	22	86.03			Vert
13	3723.447	21.82	PK	5.99	23.6	51.41	54	-2.59	Vert
14	4228.228	69.95	PK	-51.55	28.3	46.7	54	-7.3	Vert
15	4272.272	68.85	PK	-52.16	28.2	44.89	54	-9.11	Vert
16	4976.977	67.49	PK	-50.74	27.8	44.55	54	-9.45	Vert
17	7355.355	59.96	PK	-45.88	30.9	44.98	54	-9.02	Vert
18	8276.276	58.76	PK	-47.8	36.4	47.36	54	-6.64	Vert
19	11927.928	55.67	PK	-45.19	37.6	48.08	54	-5.92	Vert
20	14177.452	46.29	PK	-36.79	39.9	49.4	54	-4.6	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 11 Radiated Emissions Graphs, 8PSK, Low Channel, X-Axis

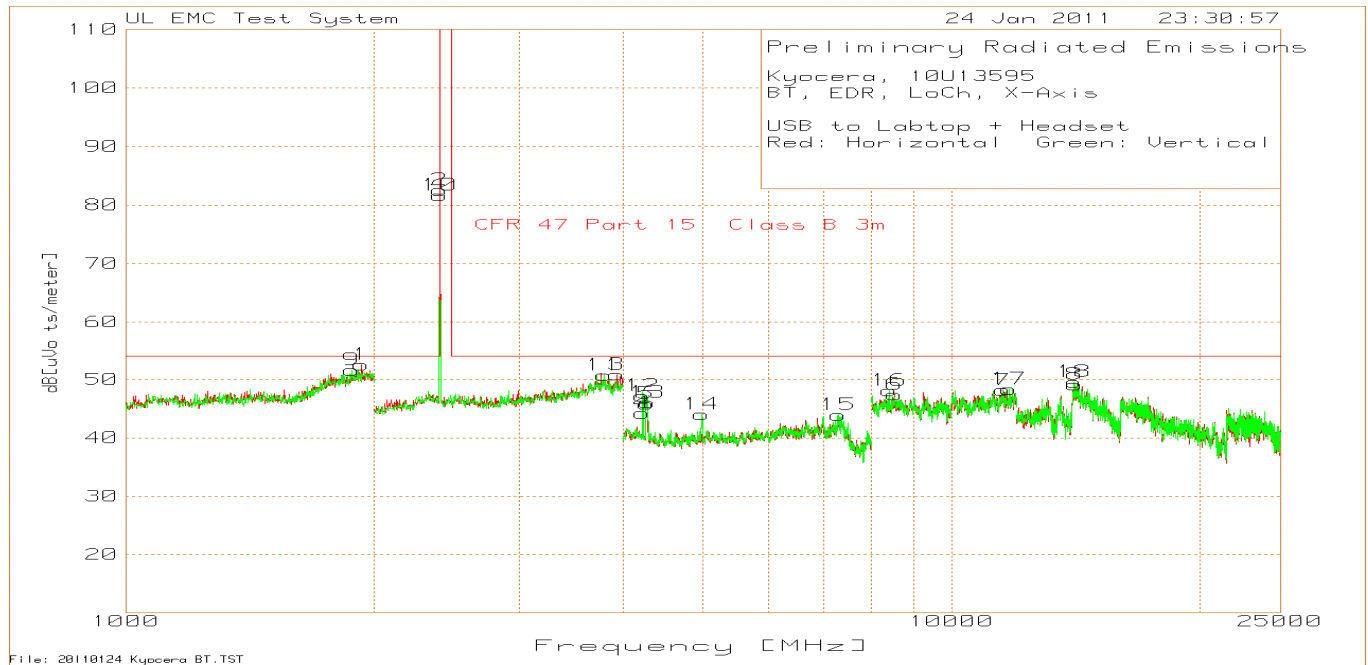


Table 13 Radiated Emissions Data Points, 8PSK, Low Channel, X-Axis

Kyocera, 10U13595
 BT, EDR, LoCh, X-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1931.864	21.41	PK	3.55	27.6	52.56	54	-1.44	Horz
2	2400.802	56.4	PK	4.35	21.8	82.55			Horz
3	3931.864	21.28	PK	5.58	24	50.86	54	-3.14	Horz
4	4228.228	67.52	PK	-51.55	28.3	44.27	54	-9.73	Horz
5	4272.272	69.82	PK	-52.16	28.2	45.86	54	-8.14	Horz
6	8520.521	59.16	PK	-48.4	36.7	47.46	54	-6.54	Horz
7	11531.532	56.72	PK	-45.75	37.2	48.17	54	-5.83	Horz
8	14085.39	46.32	PK	-37.13	39.9	49.09	54	-4.91	Horz
9	1877.756	20.53	PK	3.59	27.5	51.62	54	-2.38	Vert
10	2400.802	55.51	PK	4.35	21.8	81.66			Vert
11	3791.583	20.89	PK	5.85	24	50.74	54	-3.26	Vert
12	4228.228	70.5	PK	-51.55	28.3	47.25	54	-6.75	Vert
13	4280.28	70.18	PK	-52.31	28.2	46.07	54	-7.93	Vert
14	4988.989	67.18	PK	-50.97	27.8	44.01	54	-9.99	Vert
15	7299.299	58.62	PK	-45.11	30.4	43.91	54	-10.09	Vert
16	8396.396	60.75	PK	-49.28	36.6	48.07	54	-5.93	Vert
17	11751.752	56.98	PK	-46.42	37.8	48.36	54	-5.64	Vert
18	14081.388	46.73	PK	-37.08	39.9	49.55	54	-4.45	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 12 Radiated Emissions Graphs, 8PSK, Low Channel, Y-Axis

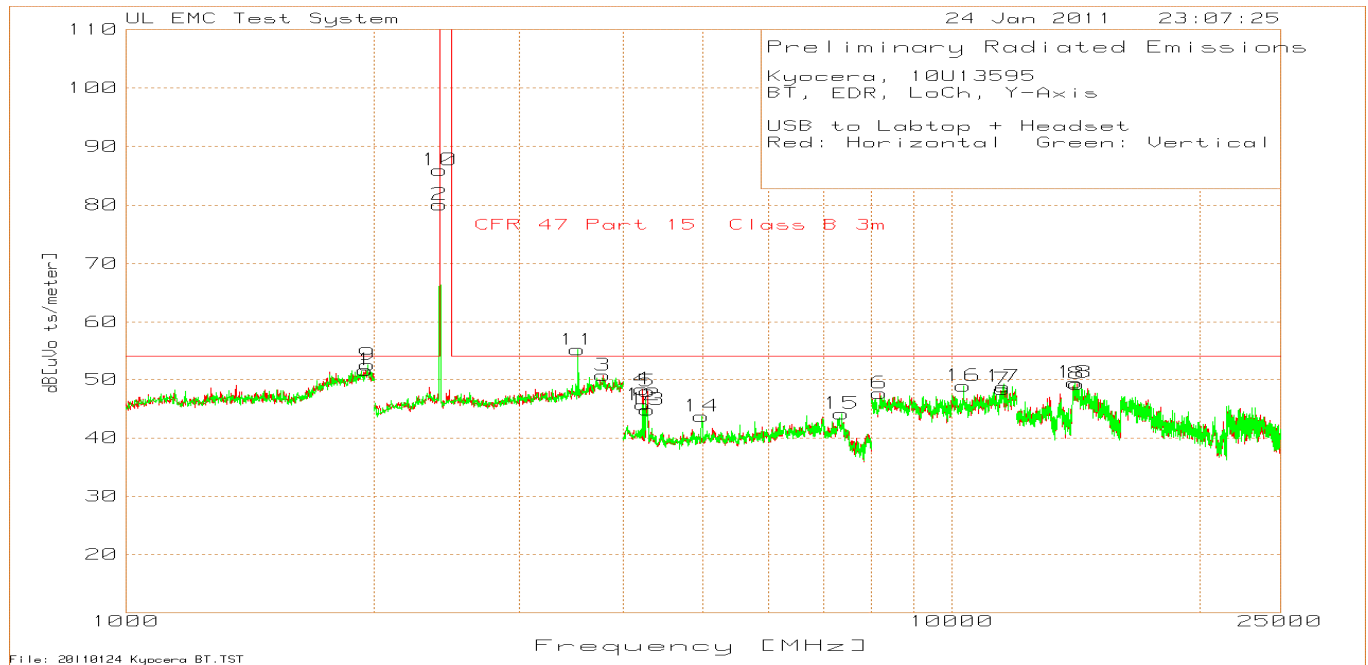


Table 14 Radiated Emissions Data Points, 8PSK, Low Channel, Y-Axis

Kyocera, 10U13595
 BT, EDR, LoCh, Y-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1 [dB]	Polarity
1	1949.9	20.65	PK	3.5	27.5	51.65	54	-2.35	Horz
2	2400.802	53.89	PK	4.35	21.8	80.04			Horz
3	3783.567	20.92	PK	5.76	24	50.68	54	-3.32	Horz
4	4224.224	71.56	PK	-51.49	28.3	48.37	54	-5.63	Horz
5	4284.284	72.14	PK	-52.34	28.2	48	54	-6	Horz
6	8188.188	59.51	PK	-48.17	36.3	47.64	54	-6.36	Horz
7	11535.536	56.87	PK	-45.75	37.2	48.32	54	-5.68	Horz
8	14185.457	46.28	PK	-36.92	39.9	49.26	54	-4.74	Horz
9	1963.928	21.5	PK	3.48	27.5	52.48	54	-1.52	Vert
10	2400.802	59.78	PK	4.35	21.8	85.93			Vert
*11	3527.054	26.83	PK	4.95	23.4	55.18	54	1.18	Vert
12	4236.236	68.95	PK	-51.48	28.2	45.67	54	-8.33	Vert
13	4284.284	68.94	PK	-52.34	28.2	44.8	54	-9.2	Vert
14	4976.977	66.58	PK	-50.74	27.8	43.64	54	-10.36	Vert
15	7359.359	59.12	PK	-45.86	30.9	44.16	54	-9.84	Vert
16	10334.334	59.77	PK	-47.06	36.2	48.91	54	-5.09	Vert
17	11551.552	57.42	PK	-45.88	37.2	48.74	54	-5.26	Vert
18	14085.39	46.65	PK	-37.13	39.9	49.42	54	-4.58	Vert

* Emission outside of restricted band, limit not applicable

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 13 Radiated Emissions Graphs, 8PSK, Low Channel, Z-Axis

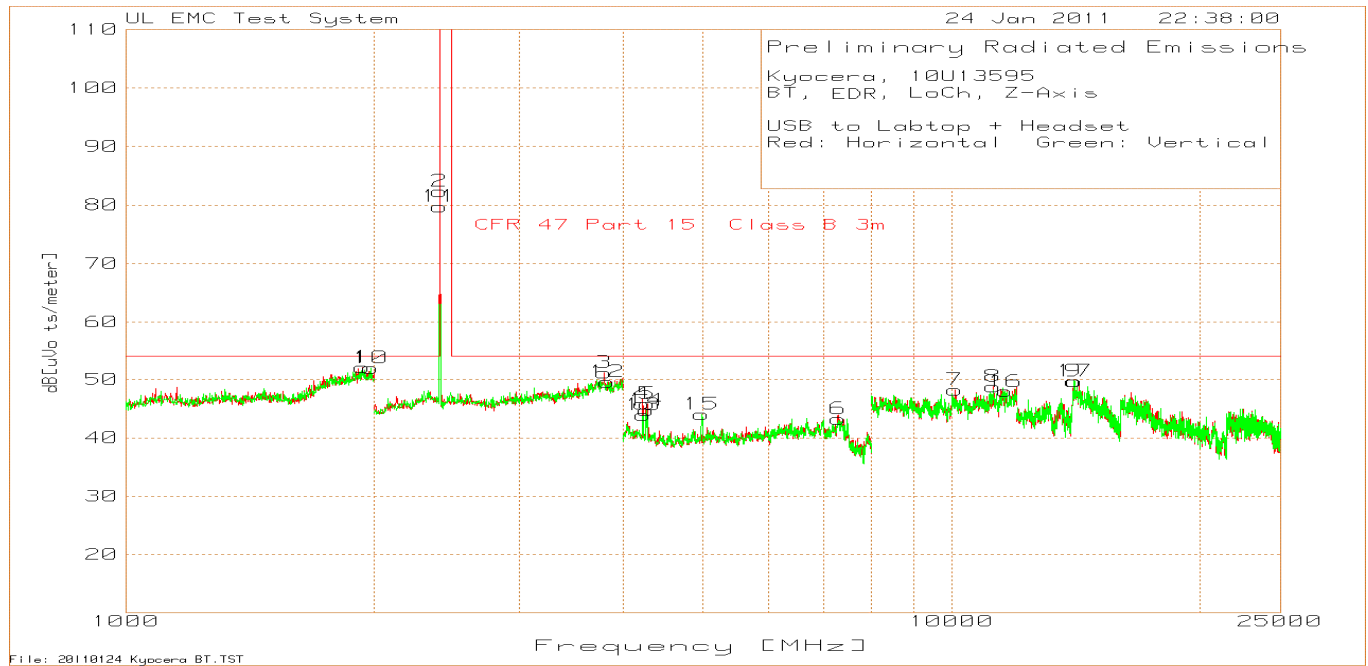


Table 15 Radiated Emissions Data Points, 8PSK, Low Channel, Z-Axis

Kyocera, 10U13595
 BT, EDR, LoCh, Z-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB[uV]]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1935.872	20.95	PK	3.53	27.6	52.08	54	-1.92	Horz
2	2400.802	56.19	PK	4.35	21.8	82.34			Horz
3	3795.591	21.21	PK	5.84	24.1	51.15	54	-2.85	Horz
4	4224.224	69.03	PK	-51.49	28.3	45.84	54	-8.16	Horz
5	4280.28	70	PK	-52.31	28.2	45.89	54	-8.11	Horz
6	7295.295	57.81	PK	-44.96	30.4	43.25	54	-10.75	Horz
7	10102.102	60.44	PK	-48.54	36.3	48.2	54	-5.8	Horz
8	11239.239	57.84	PK	-45.89	36.8	48.75	54	-5.25	Horz
9	14053.369	48.05	PK	-38.26	39.9	49.69	54	-4.31	Horz
10	1979.96	20.8	PK	3.7	27.5	52	54	-2	Vert
11	2400.802	53.57	PK	4.35	21.8	79.72			Vert
12	3827.655	20.12	PK	5.44	24	49.56	54	-4.44	Vert
13	4236.236	67.19	PK	-51.48	28.2	43.91	54	-10.09	Vert
14	4272.272	68.71	PK	-52.16	28.2	44.75	54	-9.25	Vert
15	4976.977	66.99	PK	-50.74	27.8	44.05	54	-9.95	Vert
16	11619.62	56.84	PK	-46.3	37.4	47.94	54	-6.06	Vert
17	14097.398	47.56	PK	-37.73	39.9	49.73	54	-4.27	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 14 Radiated Emissions Graphs, 8PSK, Mid Channel, X-Axis

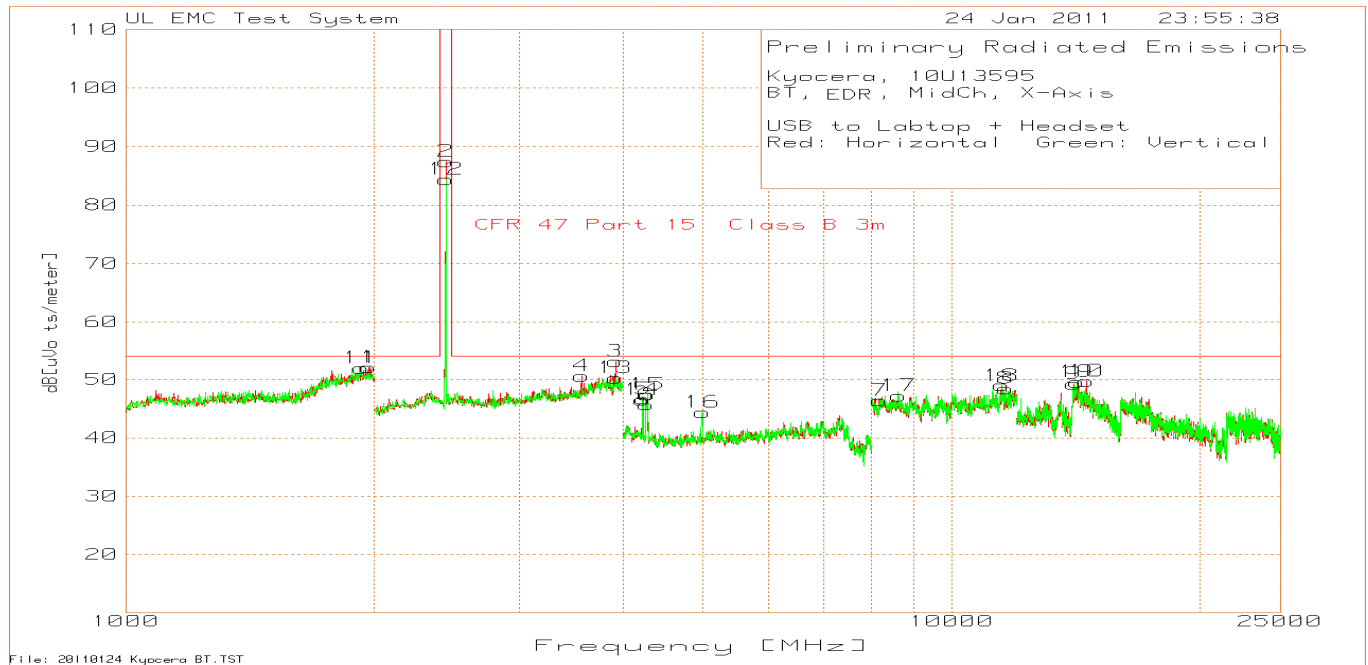


Table 16 Radiated Emissions Data Points, 8PSK, Mid Channel, X-Axis

Kyocera, 10U13595
 BT, DH3, MidCh, X-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1971.944	21.02	PK	3.59	27.5	52.11	54	-1.89	Horz
2	2440.882	61.39	PK	4.18	21.9	87.47			Horz
3	3915.832	23.47	PK	5.72	23.9	53.09	54	-.91	Horz
4	3563.126	22.12	PK	5.15	23.3	50.57	54	-3.43	Horz
5	4232.232	69.93	PK	-51.54	28.3	46.69	54	-7.31	Horz
6	4276.276	69.7	PK	-52.23	28.2	45.67	54	-8.33	Horz
7	8196.196	58.16	PK	-48.01	36.3	46.45	54	-7.55	Horz
8	11639.64	56.62	PK	-45.67	37.5	48.45	54	-5.55	Horz
9	14065.377	47	PK	-37.64	39.9	49.26	54	-4.74	Horz
10	14581.721	46.04	PK	-36.15	39.8	49.69	54	-4.31	Horz
11	1927.856	20.78	PK	3.58	27.6	51.96	54	-2.04	Vert
12	2440.882	58.25	PK	4.18	21.9	84.33			Vert
13	3915.832	20.61	PK	5.72	23.9	50.23	54	-3.77	Vert
14	4224.224	69.75	PK	-51.49	28.3	46.56	54	-7.44	Vert
15	4284.284	71.52	PK	-52.34	28.2	47.38	54	-6.62	Vert
16	4992.993	67.63	PK	-51.01	27.8	44.42	54	-9.58	Vert
17	8632.633	60.29	PK	-49.5	36.4	47.19	54	-6.81	Vert
18	11507.508	58.23	PK	-46.37	37.1	48.96	54	-5.04	Vert
19	14165.444	47.1	PK	-37.41	39.9	49.59	54	-4.41	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 15 Radiated Emissions Graphs, 8PSK, Mid Channel, Y-Axis

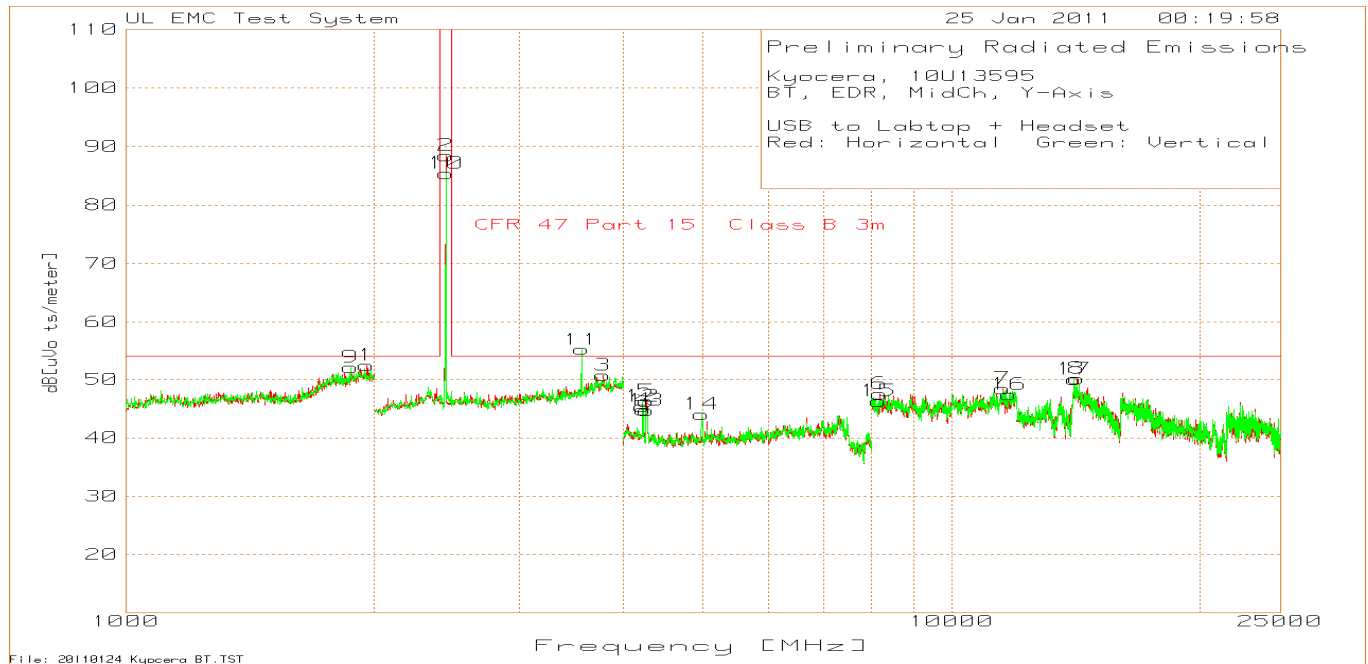


Table 17 Radiated Emissions Data Points, 8PSK, Mid Channel, Y-Axis

Kyocera, 10U13595
 BT, DH3, MidCh, Y-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1959.92	21.49	PK	3.46	27.5	52.45	54	-1.55	Horz
2	2440.882	62.39	PK	4.18	21.9	88.47			Horz
3	3779.559	20.93	PK	5.79	24	50.72	54	-3.28	Horz
4	4236.236	68.11	PK	-51.48	28.2	44.83	54	-9.17	Horz
5	4268.268	70.14	PK	-52.01	28.2	46.33	54	-7.67	Horz
6	8192.192	59.35	PK	-48.09	36.3	47.56	54	-6.44	Horz
7	11527.528	57.15	PK	-45.88	37.2	48.47	54	-5.53	Horz
8	14165.444	47.63	PK	-37.41	39.9	50.12	54	-3.88	Horz
9	1871.743	21.13	PK	3.55	27.4	52.08	54	-1.92	Vert
10	2440.882	59.29	PK	4.18	21.9	85.37			Vert
*11	3563.126	26.74	PK	5.15	23.3	55.19	54	1.19	Vert
12	4228.228	68.6	PK	-51.55	28.3	45.35	54	-8.65	Vert
13	4276.276	68.71	PK	-52.23	28.2	44.68	54	-9.32	Vert
14	4984.985	67.17	PK	-50.93	27.8	44.04	54	-9.96	Vert
15	8152.152	59.42	PK	-49.4	36.3	46.32	54	-7.68	Vert
16	11743.744	55.99	PK	-46.31	37.8	47.48	54	-6.52	Vert
17	14081.388	47.22	PK	-37.08	39.9	50.04	54	-3.96	Vert

* Emission outside of restricted band, limit not applicable

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 16 Radiated Emissions Graphs, 8PSK, Mid Channel, Z-Axis

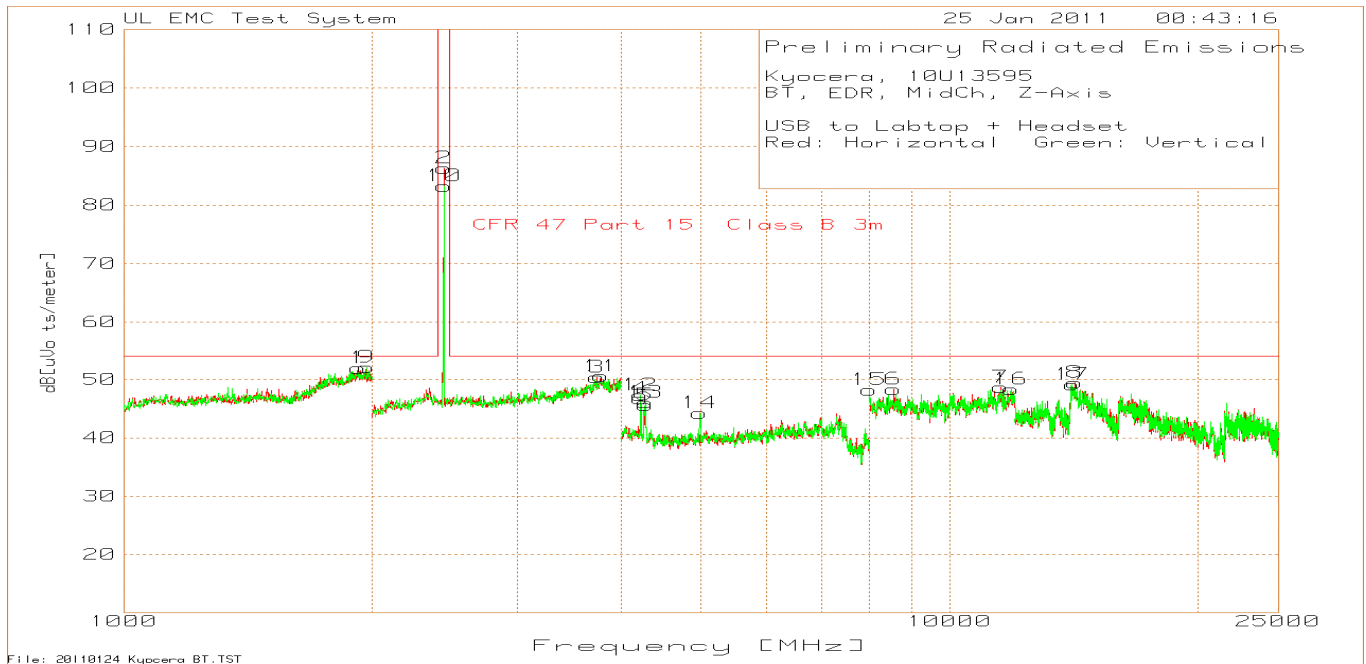


Table 18 Radiated Emissions Data Points, 8PSK, Mid Channel, Z-Axis

Kyocera, 10U13595
 BT, DH3, MidCh, Z-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1921.844	20.72	PK	3.6	27.6	51.92	54	-2.08	Horz
2	2440.882	60.22	PK	4.18	21.9	86.3			Horz
3	3735.471	21.03	PK	5.63	23.7	50.36	54	-3.64	Horz
4	4224.224	69.91	PK	-51.49	28.3	46.72	54	-7.28	Horz
5	4284.284	69.79	PK	-52.34	28.2	45.65	54	-8.35	Horz
6	8568.569	61.07	PK	-49.38	36.6	48.29	54	-5.71	Horz
7	11531.532	57.21	PK	-45.75	37.2	48.66	54	-5.34	Horz
8	14193.462	46.62	PK	-37.05	39.9	49.47	54	-4.53	Horz
9	1969.94	21.07	PK	3.55	27.5	52.12	54	-1.88	Vert
10	2440.882	57.14	PK	4.18	21.9	83.22			Vert
11	3783.567	20.79	PK	5.76	24	50.55	54	-3.45	Vert
12	4224.224	70.5	PK	-51.49	28.3	47.31	54	-6.69	Vert
13	4284.284	70.24	PK	-52.34	28.2	46.1	54	-7.9	Vert
14	4988.989	67.38	PK	-50.97	27.8	44.21	54	-9.79	Vert
15	8000	58.76	PK	-46.68	36.1	48.18	54	-5.82	Vert
16	11863.864	56.3	PK	-45.62	37.7	48.38	54	-5.62	Vert
17	14081.388	46.34	PK	-37.08	39.9	49.16	54	-4.84	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 17 Radiated Emissions Graphs, 8PSK, High Channel, X-Axis

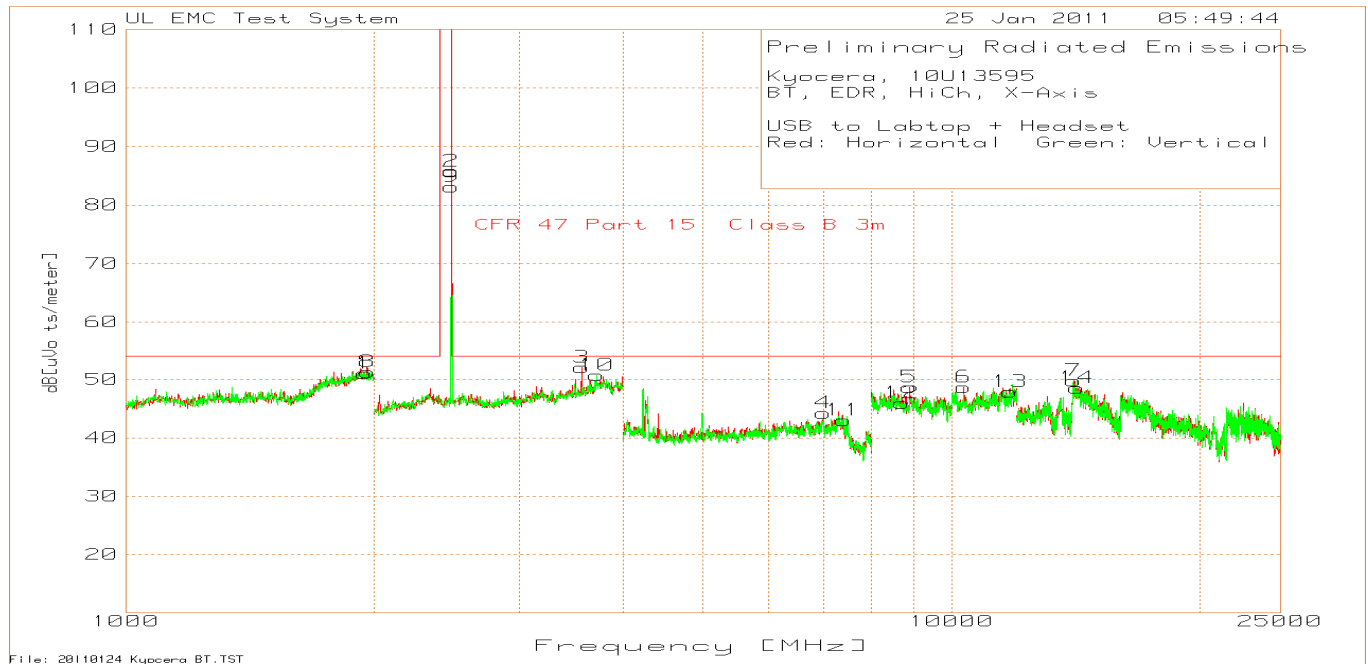


Table 19 Radiated Emissions Data Points, 8PSK, High Channel, X-Axis

Kyocera, 10U13595
 BT, EDR, HiCh, X-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1947.896	20.05	PK	3.52	27.5	51.07	54	-2.93	Horz
2	2480.962	59.8	PK	3.92	22	85.72			Horz
3	3563.126	23.65	PK	5.15	23.3	52.1	54	-1.9	Horz
4	6994.995	60.02	PK	-45.03	29.3	44.29	54	-9.71	Horz
5	8900.901	61.67	PK	-49.14	36.1	48.63	54	-5.37	Horz
6	10354.354	59.97	PK	-47.54	36.2	48.63	54	-5.37	Horz
7	14077.385	47.06	PK	-37.16	39.9	49.8	54	-4.2	Horz
8	1961.924	20.3	PK	3.47	27.5	51.27	54	-2.73	Vert
9	2480.962	57.23	PK	3.92	22	83.15			Vert
10	3719.439	21.1	PK	6.06	23.6	50.76	54	-3.24	Vert
11	7399.399	58.2	PK	-46.4	31.2	43	54	-11	Vert
12	8712.713	59.26	PK	-49.6	36.3	45.96	54	-8.04	Vert
13	11775.776	56.69	PK	-46.64	37.8	47.85	54	-6.15	Vert
14	14173.449	45.57	PK	-36.86	39.9	48.61	54	-5.39	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 18 Radiated Emissions Graphs, 8PSK, High Channel, Y-Axis

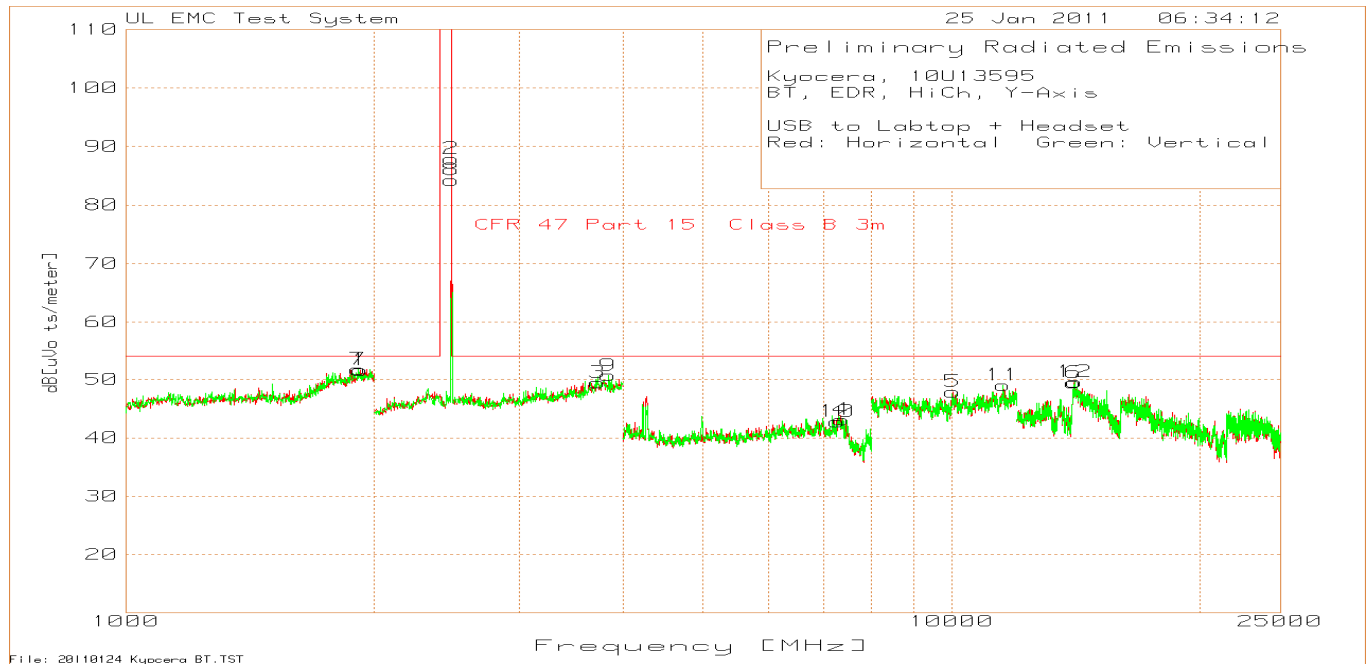


Table 20 Radiated Emissions Data Points, 8PSK, High Channel, Y-Axis

Kyocera, 10U13595
 BT, EDR, HiCh, Y-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1925.852	20.42	PK	3.6	27.6	51.62	54	-2.38	Horz
2	2476.954	61.91	PK	3.98	22	87.89			Horz
3	3731.463	20.02	PK	5.78	23.7	49.5	54	-4.5	Horz
4	7363.363	58.09	PK	-45.83	30.9	43.16	54	-10.84	Horz
5	10030.03	58.83	PK	-47.34	36.4	47.89	54	-6.11	Horz
6	14077.385	46.69	PK	-37.16	39.9	49.43	54	-4.57	Horz
7	1913.828	20.6	PK	3.55	27.6	51.75	54	-2.25	Vert
8	2480.962	58.35	PK	3.92	22	84.27			Vert
9	3839.679	21.29	PK	5.37	24	50.66	54	-3.34	Vert
10	7267.267	58.38	PK	-45.84	30.2	42.74	54	-11.26	Vert
11	11551.552	57.69	PK	-45.88	37.2	49.01	54	-4.99	Vert
12	14089.393	46.86	PK	-37.17	39.9	49.59	54	-4.41	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 19 Radiated Emissions Graphs, 8PSK, High Channel, Z-Axis

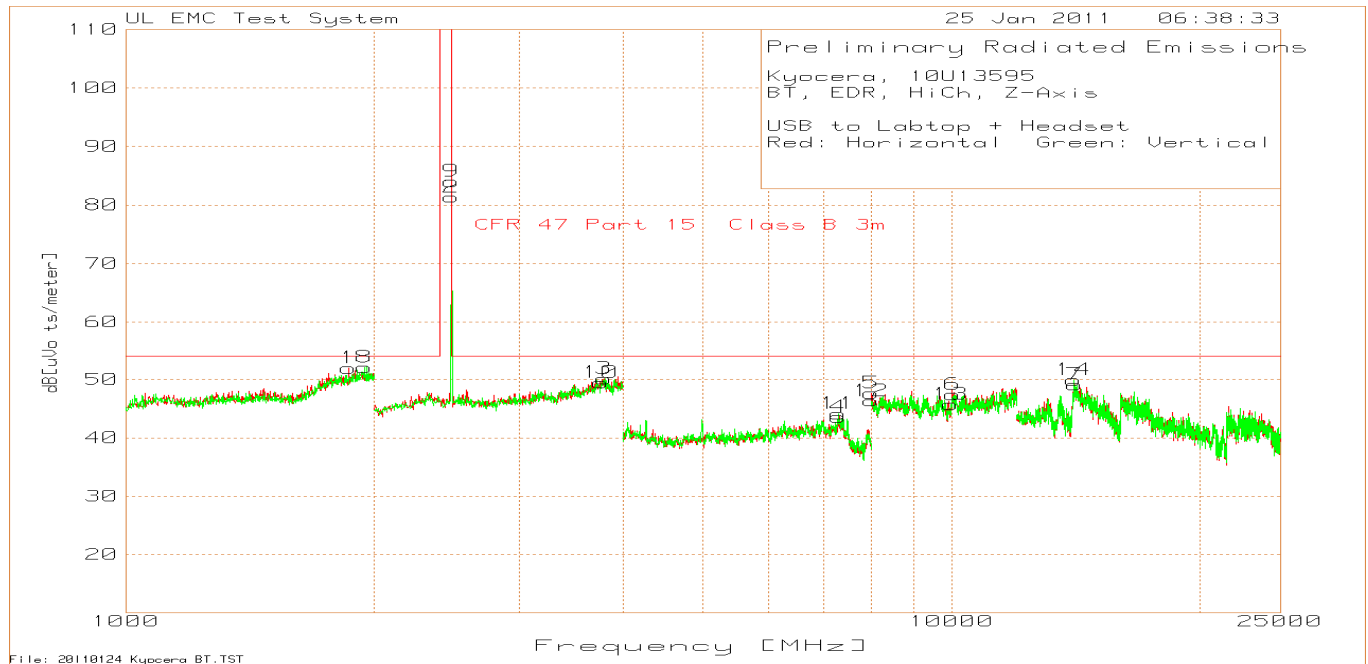


Table 21 Radiated Emissions Data Points, 8PSK, High Channel, Z-Axis

Kyocera, 10U13595
 BT, EDR, HiCh, Z-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	1861.723	21.14	PK	3.44	27.4	51.98	54	-2.02	Horz
2	2480.962	55.45	PK	3.92	22	81.37			Horz
3	3799.599	20.38	PK	5.69	24.1	50.17	54	-3.83	Horz
4	7291.291	58.02	PK	-44.8	30.4	43.62	54	-10.38	Horz
5	8000	58.26	PK	-46.68	36.1	47.68	54	-6.32	Horz
6	10046.046	58.99	PK	-47.99	36.4	47.4	54	-6.6	Horz
7	14085.39	46.35	PK	-37.13	39.9	49.12	54	-4.88	Horz
8	1943.888	20.99	PK	3.54	27.5	52.03	54	-1.97	Vert
9	2480.962	58.11	PK	3.92	22	84.03			Vert
10	3763.527	20.31	PK	5.27	23.9	49.48	54	-4.52	Vert
11	7291.291	58.5	PK	-44.8	30.4	44.1	54	-9.9	Vert
12	8004.004	56.96	PK	-46.71	36.1	46.35	54	-7.65	Vert
13	9977.978	58.3	PK	-48.98	36.4	45.72	54	-8.28	Vert
14	14077.385	47.14	PK	-37.16	39.9	49.88	54	-4.12	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

4.2 Test Conditions and Results – BAND EDGE COMPLIANCE

Test Description	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).	
Basic Standard	47 CFR Part 15.247(d) RSS-210, A8.5	
	Frequency range	Measurement Point
Fully configured sample scanned over the following frequency range	2400MHz – 2483.5MHz	Radiated
Limits		
Measurement Type		
Radiated	Radiated only required if emissions are in the restricted band	
Supplementary information: None		

Table 22 Band Edge Compliance EUT Configuration Settings

Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	1 & 2
Supplementary information: None		

Table 23 Band Edge Compliance Test Equipment

Test Equipment Used					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESU	EMC4323	Jan 2010	Jan 2011
Bicon Antenna	Electro-Metrics	EM6912A	EMC4070	Jan 2010	Jan 2011
Log-P Antenna	Chase	UPA6109	EMC4313	Jan 2010	Jan 2011
Spectrum Analyzer	Rhode & Schwarz	FSEK	EMC4182	Jan 2010	Jan 2011
Antenna Array	UL	BOMS	EMC4276	Jan 2010	Jan 2011

Figure 20 Radiated Emissions Band-edge Graph, GFSK, Low Channel, X-Axis

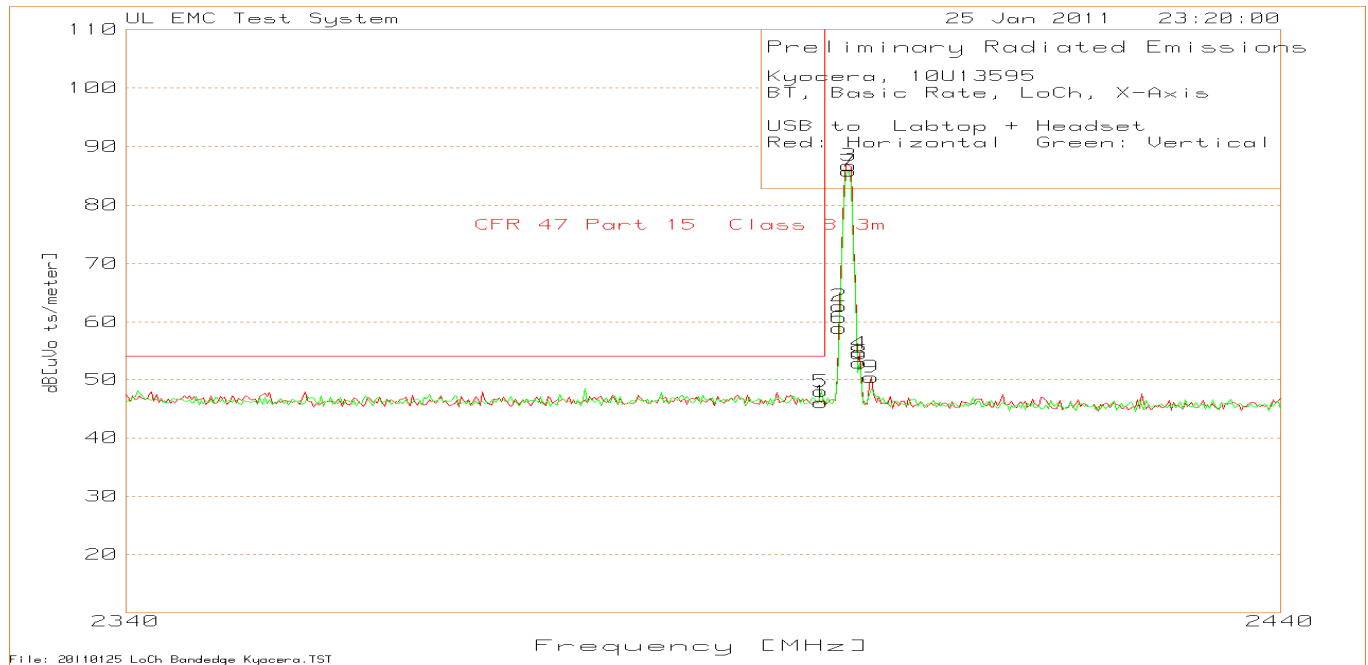


Table 24 Radiated Emissions Band-edge Data Points, GFSK, Low Channel, X-Axis

Kyocera, 10U13595
 BT, Basic Rate, LoCh, X-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2399.719	19.87	PK	4.38	21.8	46.05	54	-7.95	Horz
2	2401.323	36.54	PK	4.34	21.8	62.68			Horz
3	2402.124	60.66	PK	4.32	21.8	86.78			Horz
4	2403.126	28.39	PK	4.3	21.8	54.49			Horz
9	2404.128	24.3	PK	4.28	21.8	50.38			Horz
5	2399.719	21.76	PK	4.38	21.8	47.94	54	-6.06	Vert
6	2401.323	32.89	PK	4.34	21.8	59.03			Vert
7	2402.124	59.67	PK	4.32	21.8	85.79			Vert
8	2403.126	26.73	PK	4.3	21.8	52.83			Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 21 Radiated Emissions Band-edge Graph, GFSK, Low Channel, Y-Axis

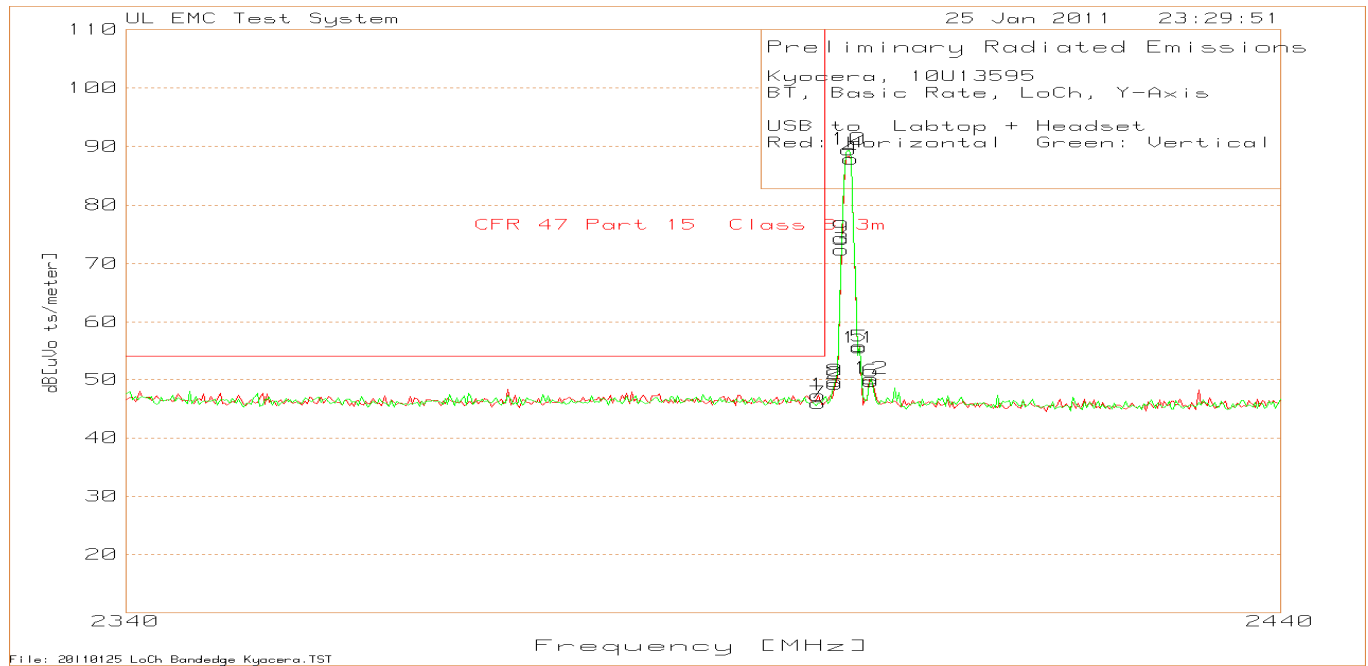


Table 25 Radiated Emissions Band-edge Data Points, GFSK, Low Channel, Y-Axis

Kyocera, 10U13595
 BT, Basic Rate, LoCh, Y-Axis
 USB to Labtop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2399.519	21.17	PK	4.38	21.8	47.35	54	-6.65	Horz
2	2400.922	23.1	PK	4.35	21.8	49.25			Horz
3	2401.523	46.21	PK	4.34	21.8	72.35			Horz
4	2402.325	61.74	PK	4.32	21.8	87.86			Horz
5	2403.126	29.57	PK	4.3	21.8	55.67			Horz
6	2404.128	23.57	PK	4.28	21.8	49.65			Horz
7	2399.519	19.8	PK	4.38	21.8	45.98	54	-8.02	Vert
8	2400.922	23.5	PK	4.35	21.8	49.65			Vert
9	2401.523	48.24	PK	4.34	21.8	74.38			Vert
10	2402.124	63.33	PK	4.32	21.8	89.45			Vert
11	2403.126	29.39	PK	4.3	21.8	55.49			Vert
12	2404.128	24.04	PK	4.28	21.8	50.12			Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 22 Radiated Emissions Band-edge Graph, GFSK, Low Channel, Z-Axis

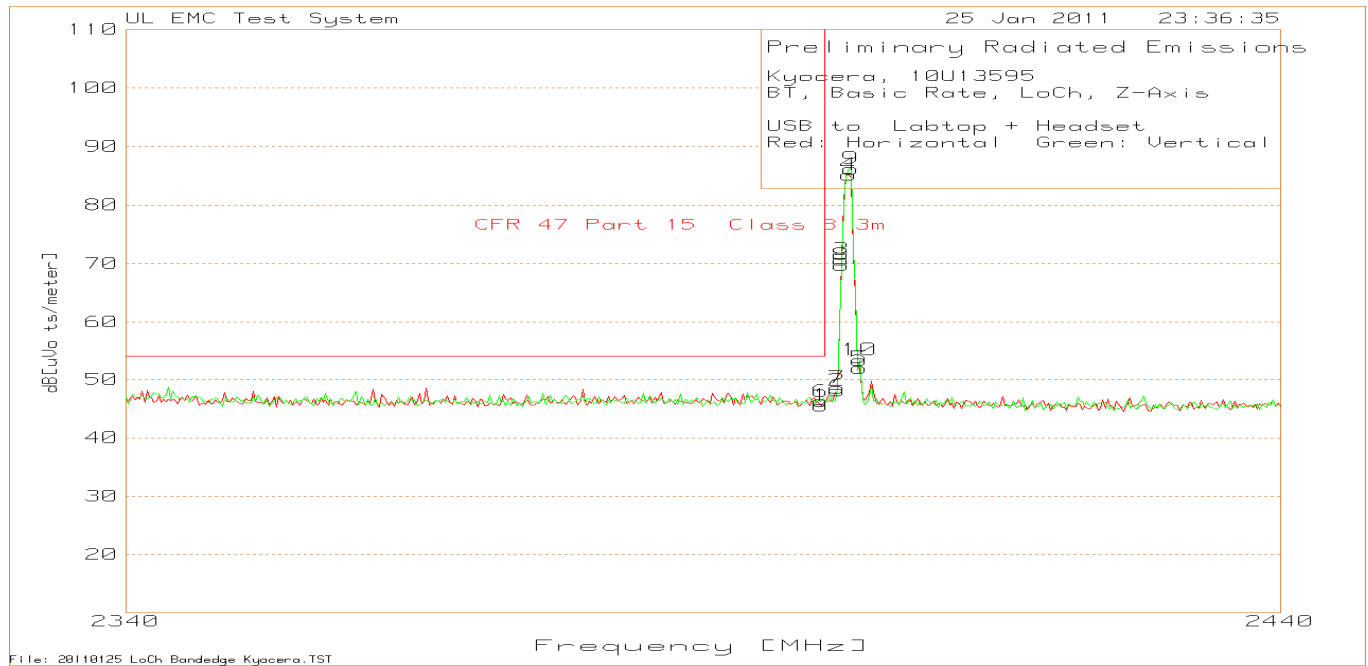


Table 26 Radiated Emissions Band-edge Data Points, GFSK, Low Channel, Z-Axis

Kyocera, 10U13595
 BT, Basic Rate, LoCh, Z-Axis
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2399.719	19.28	PK	4.38	21.8	45.46	54	-8.54	Horz
2	2401.122	21.91	PK	4.35	21.8	48.06			Horz
3	2401.523	44.55	PK	4.34	21.8	70.69			Horz
4	2402.124	59.01	PK	4.32	21.8	85.13			Horz
5	2403.126	25.85	PK	4.3	21.8	51.95			Horz
6	2399.719	20.06	PK	4.38	21.8	46.24	54	-7.76	Vert
7	2401.122	22.38	PK	4.35	21.8	48.53			Vert
8	2401.523	43.64	PK	4.34	21.8	69.78			Vert
9	2402.325	60.07	PK	4.32	21.8	86.19			Vert
10	2403.126	27.2	PK	4.3	21.8	53.3			Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 23 Radiated Emissions Band-edge Graph, GFSK, High Channel, X-Axis

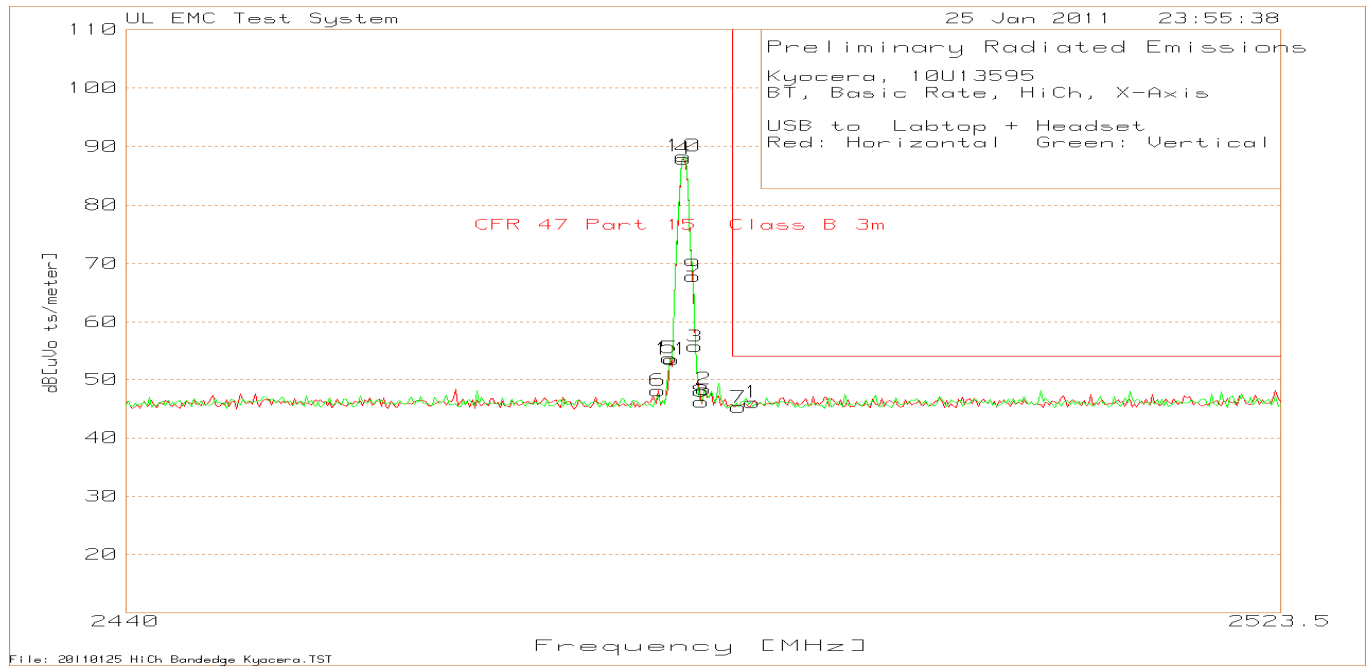


Table 27 Radiated Emissions Band-edge Data Points, GFSK, High Channel, X-Axis

Kyocera, 10U13595
 BT, Basic Rate, HiCh, X-Axis
 USB to Labtop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2485.013	20.1	PK	3.87	22.1	46.07	54	-7.93	Horz
2	2481.499	22.44	PK	3.92	22	48.36			Horz
3	2480.83	29.76	PK	3.93	22	55.69			Horz
4	2479.993	61.92	PK	3.94	22	87.86			Horz
5	2478.989	27.71	PK	3.95	22	53.66			Horz
6	2478.152	22.2	PK	3.96	22	48.16			Horz
7	2484.009	19.24	PK	3.88	22.1	45.22	54	-8.78	Vert
8	2481.332	20.27	PK	3.92	22	46.19			Vert
9	2480.662	41.88	PK	3.93	22	67.81			Vert
10	2479.993	62.41	PK	3.94	22	88.35			Vert
11	2479.156	27.52	PK	3.95	22	53.47			Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 24 Radiated Emissions Band-edge Graph, GFSK, High Channel, Y-Axis

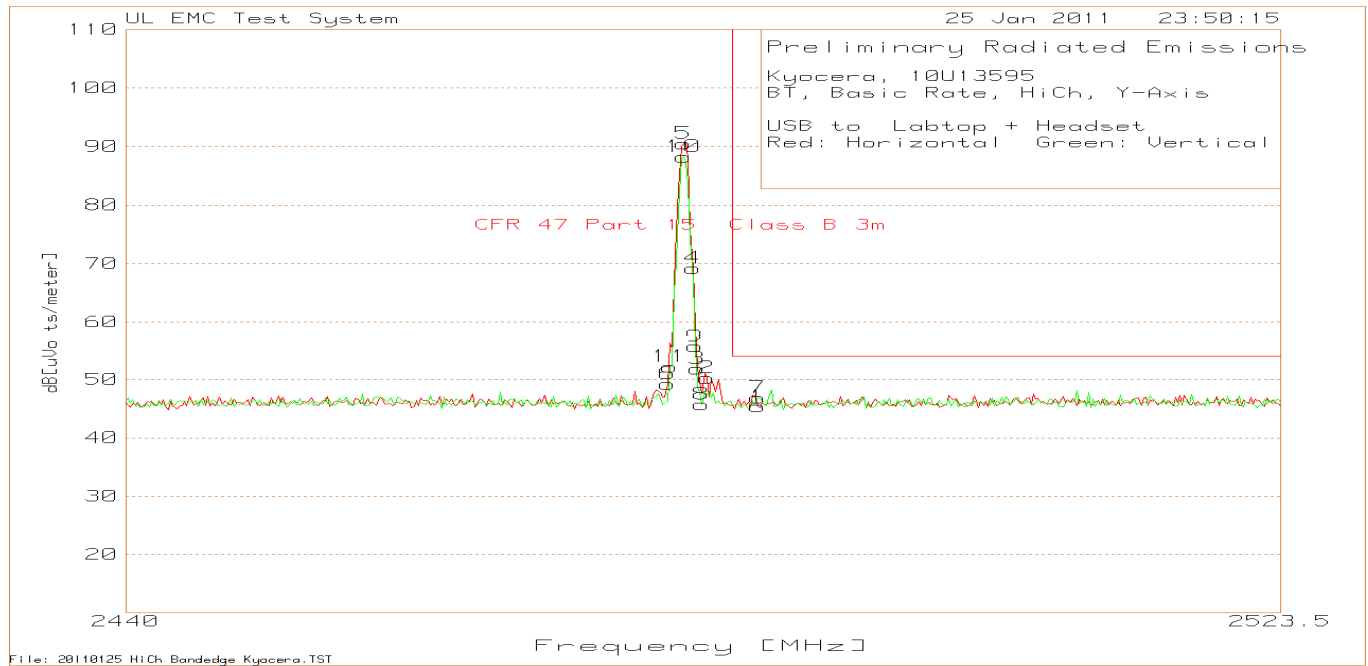


Table 28 Radiated Emissions Band-edge Data Points, GFSK, High Channel, Y-Axis

Kyocera, 10U13595
 BT, Basic Rate, HiCh, Y-Axis
 USB to Labtop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2485.348	19.38	PK	3.86	22.1	45.34	54	-8.66	Horz
2	2481.666	24.4	PK	3.91	22	50.31			Horz
3	2480.997	25.93	PK	3.92	22	51.85			Horz
4	2480.662	43.31	PK	3.93	22	69.24			Horz
5	2479.993	64.6	PK	3.94	22	90.54			Horz
6	2478.822	23.25	PK	3.96	22	49.21			Horz
7	2485.348	20.93	PK	3.86	22.1	46.89	54	-7.11	Vert
8	2481.332	19.84	PK	3.92	22	45.76			Vert
9	2480.83	29.74	PK	3.93	22	55.67			Vert
10	2479.993	62.28	PK	3.94	22	88.22			Vert
11	2478.989	26.26	PK	3.95	22	52.21			Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 25 Radiated Emissions Band-edge Graph, GFSK, High Channel, Z-Axis

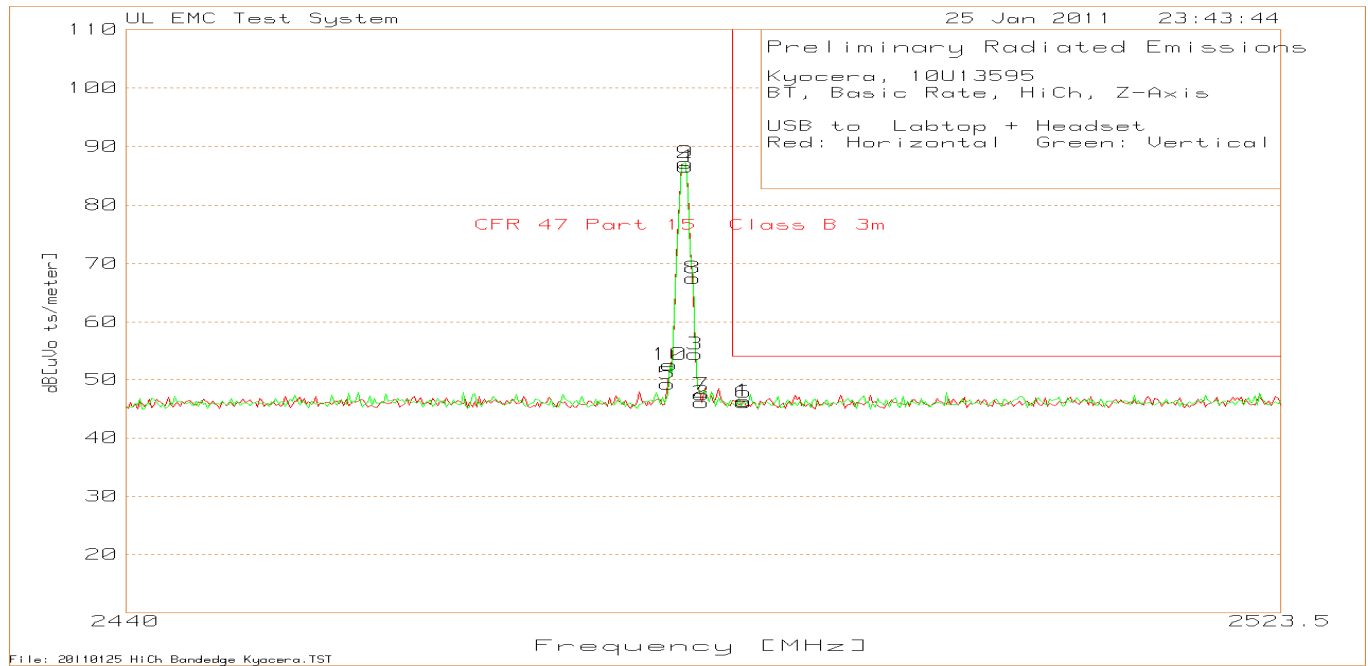


Table 29 Radiated Emissions Band-edge Data Points, GFSK, High Channel, Z-Axis

Kyocera, 10U13595
 BT, Basic Rate, HiCh, Z-Axis
 USB to Labtop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2484.344	20.34	PK	3.88	22.1	46.32	54	-7.68	Horz
2	2481.332	20.14	PK	3.92	22	46.06			Horz
3	2480.83	28.43	PK	3.93	22	54.36			Horz
4	2480.16	60.59	PK	3.94	22	86.53			Horz
5	2478.822	23.3	PK	3.96	22	49.26			Horz
6	2484.344	20.08	PK	3.88	22.1	46.06	54	-7.94	Vert
7	2481.332	21.47	PK	3.92	22	47.39			Vert
8	2480.662	41.53	PK	3.93	22	67.46			Vert
9	2480.16	61.29	PK	3.94	22	87.23			Vert
10	2478.989	26.58	PK	3.95	22	52.53			Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 26 Radiated Emissions Band-edge Graph, 8PSK, Low Channel, X-Axis

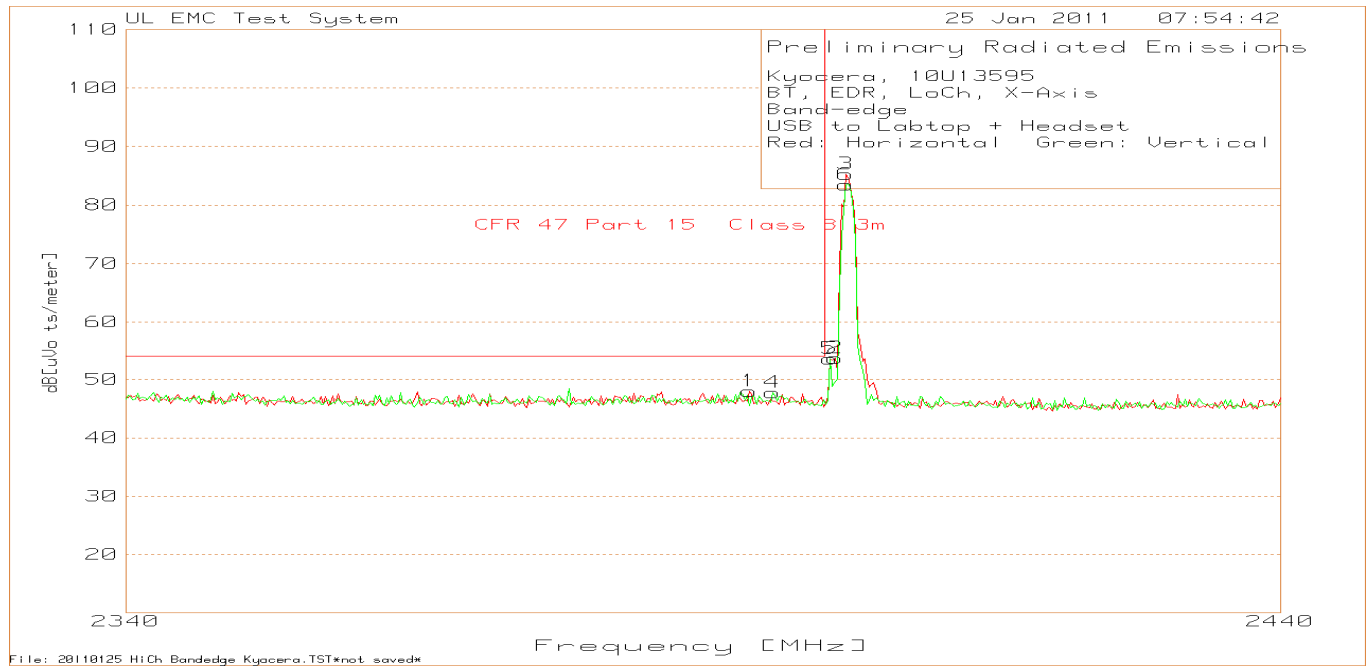


Table 30 Radiated Emissions Band-edge Data Points, 8PSK, Low Channel, X-Axis

Kyocera, 10U13595
 BT, EDR, LoCh, X-Axis
 Band-edge
 USB to Labtop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2393.507	21.65	PK	4.53	21.8	47.98	54	-6.02	Horz
2	2400.922	27.48	PK	4.35	21.8	53.63			Horz
3	2401.924	59.17	PK	4.33	21.8	85.3			Horz
4	2395.511	21.52	PK	4.48	21.8	47.8	54	-6.2	Vert
5	2400.521	27.35	PK	4.36	21.8	53.51			Vert
6	2401.924	57.3	PK	4.33	21.8	83.43			Vert

LIMIT 1: CFR 47 Part 15 Class B 3m
 PK - Peak detector

Figure 27 Radiated Emissions Band-edge Graph, 8PSK, Low Channel, Y-Axis

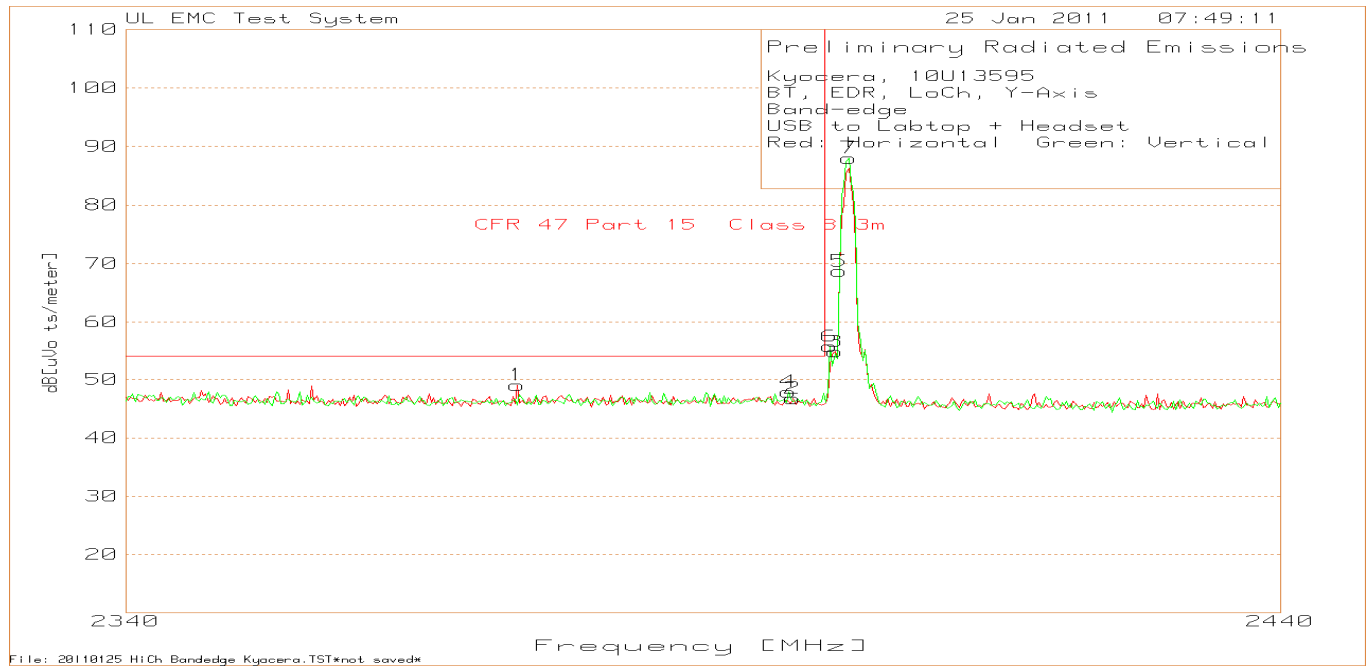


Table 31 Radiated Emissions Band-edge Data Points, 8PSK, Low Channel, Y-Axis

Kyocera, 10U13595
 BT, EDR, LoCh, Y-Axis
 Band-edge
 USB to Labtop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2373.467	23.05	PK	4.12	21.8	48.97	54	-5.03	Horz
2	2397.315	20.53	PK	4.44	21.8	46.77	54	-7.23	Horz
3	2400.922	28.63	PK	4.35	21.8	54.78			Horz
4	2396.914	21.68	PK	4.45	21.8	47.93	54	-6.07	Vert
5	2401.323	42.54	PK	4.34	21.8	68.68			Vert
6	2400.521	29.53	PK	4.36	21.8	55.69			Vert
7	2402.124	61.92	PK	4.32	21.8	88.04			Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 28 Radiated Emissions Band-edge Graph, 8PSK, Low Channel, Z-Axis

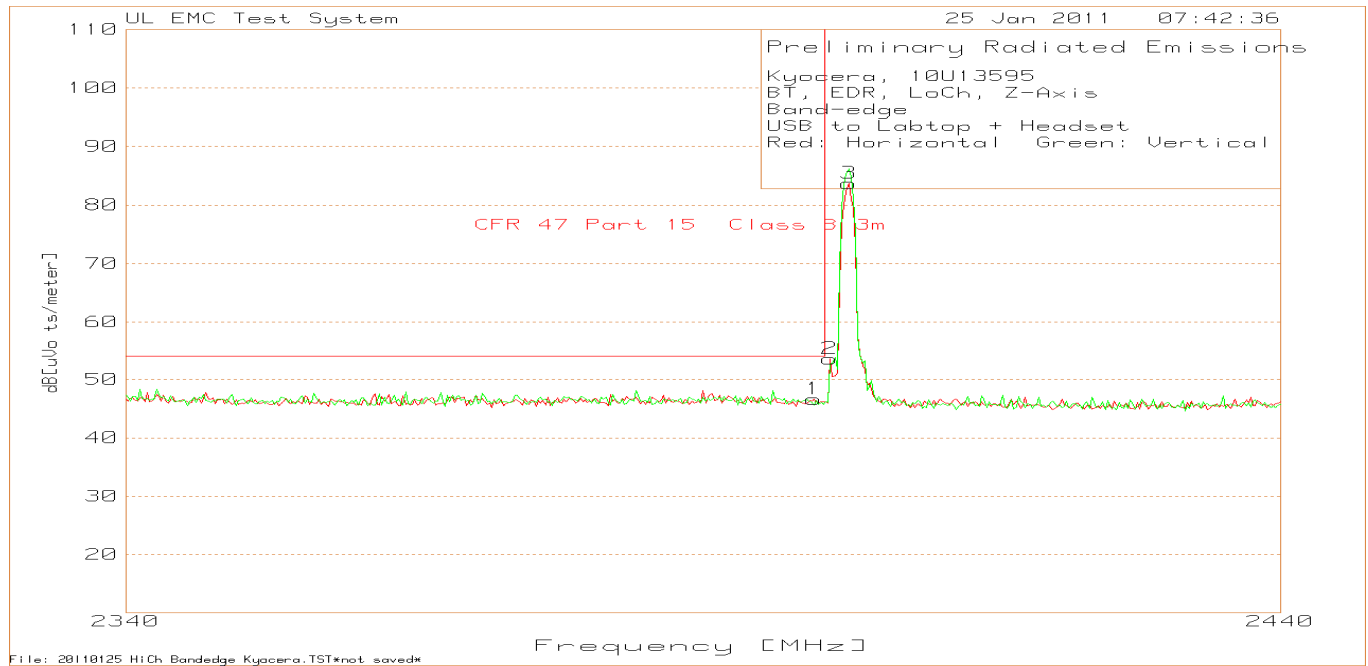


Table 32 Radiated Emissions Band-edge Data Points, 8PSK, Low Channel, Z-Axis

Kyocera, 10U13595
 BT, EDR, LoCh, Z-Axis
 Band-edge
 USB to Laptop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2399.118	20.48	PK	4.39	21.8	46.67	54	-7.33	Horz
2	2400.521	27.35	PK	4.36	21.8	53.51			Horz
3	2402.124	57.57	PK	4.32	21.8	83.69			Horz

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 29 Radiated Emissions Band-edge Graph, 8PSK, High Channel, X-Axis

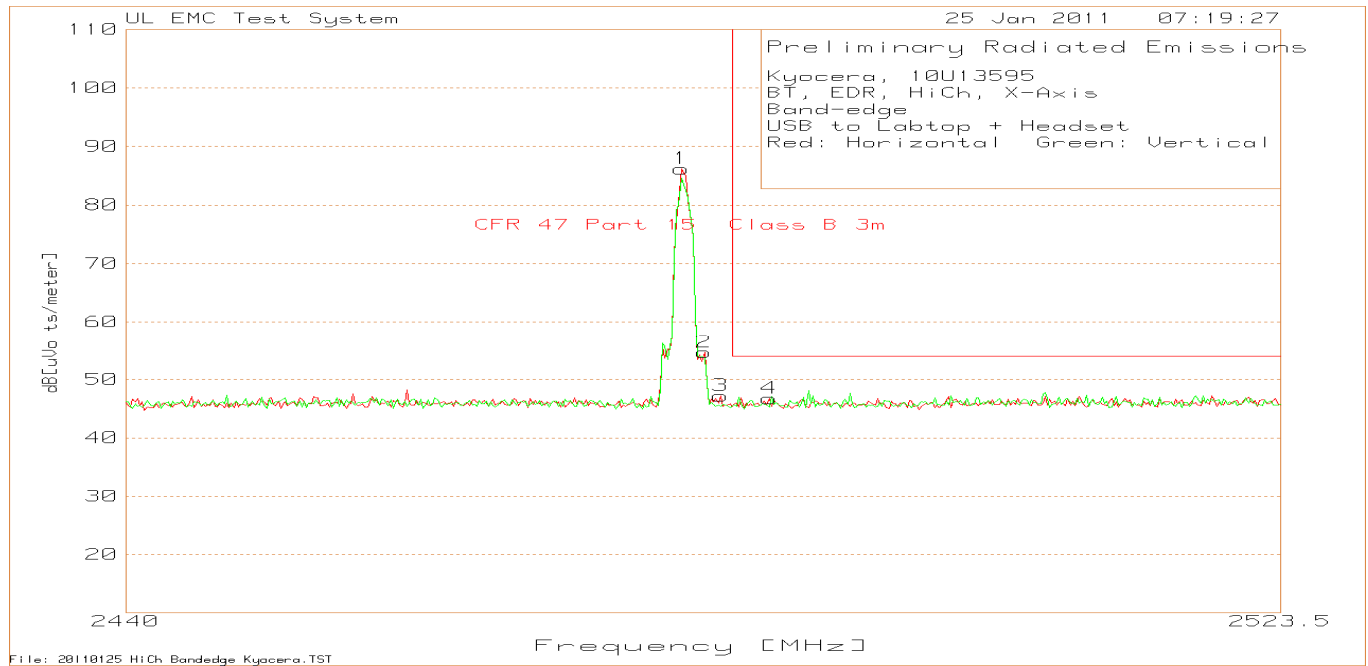


Table 33 Radiated Emissions Band-edge Data Points, 8PSK, High Channel, X-Axis

Kyocera, 10U13595
 BT, EDR, HiCh, X-Axis
 Band-edge
 USB to Labtop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2479.826	60.24	PK	3.94	22	86.18			Horz
2	2481.499	28.76	PK	3.92	22	54.68			Horz
3	2482.67	21.29	PK	3.9	22	47.19			Horz
4	2486.184	20.76	PK	3.85	22.1	46.71	54	-7.29	Horz

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 30 Radiated Emissions Band-edge Graph, 8PSK, High Channel, Y-Axis

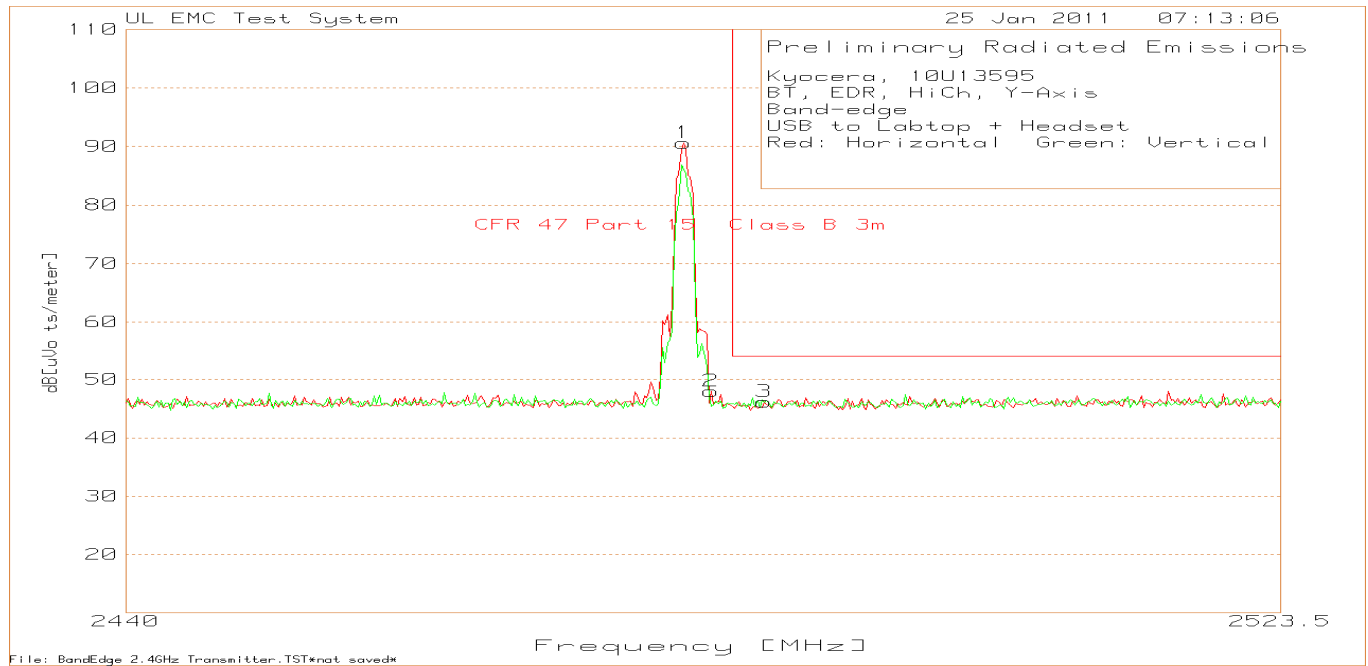


Table 34 Radiated Emissions Band-edge Data Points, 8PSK, High Channel, Y-Axis

Kyocera, 10U13595
 BT, EDR, HiCh, Y-Axis
 Band-edge
 USB to Labtop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2479.993	64.63	PK	3.94	22	90.57			Horz
2	2482.001	22.04	PK	3.91	22	47.95			Horz
3	2485.85	20.21	PK	3.86	22.1	46.17	54	-7.83	Horz

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

Figure 31 Radiated Emissions Band-edge Graph, 8PSK, High Channel, Z-Axis

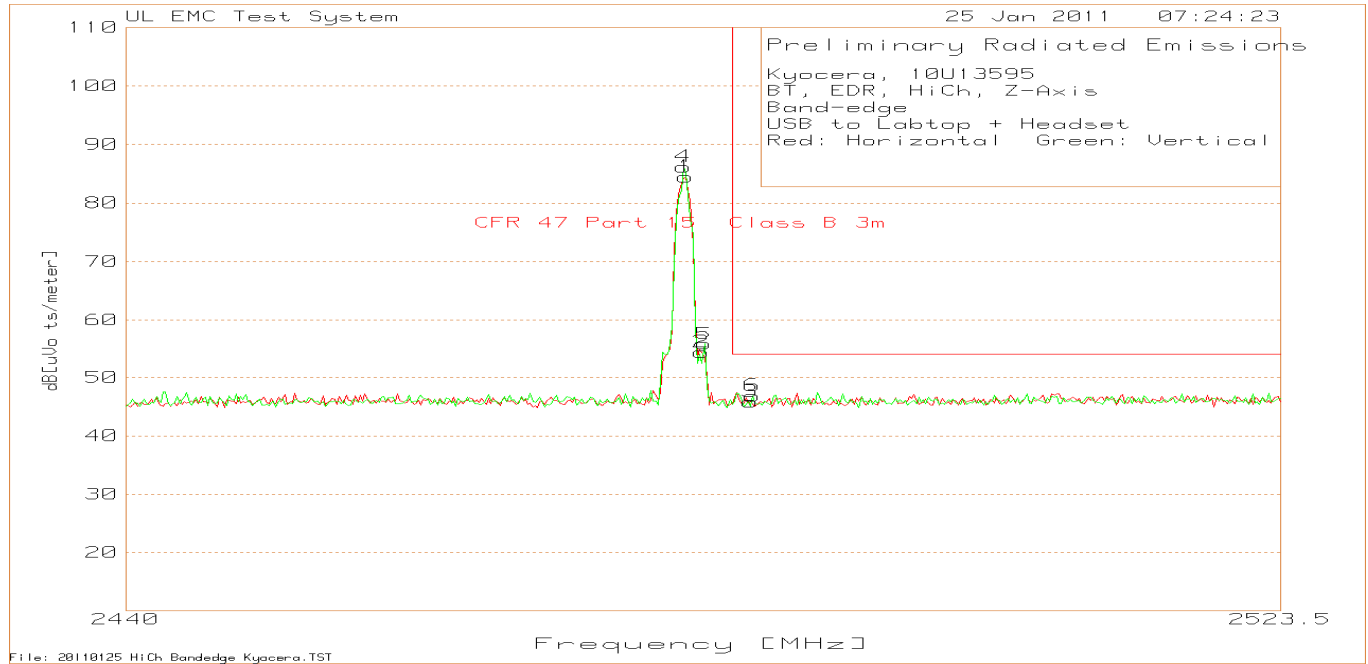


Table 35 Radiated Emissions Band-edge Data Points, 8PSK, High Channel, Z-Axis

Kyocera, 10U13595
 BT, EDR, HiCh, Z-Axis
 Band-edge
 USB to Labtop + Headset
 Red: Horizontal Green: Vertical

Marker Number	Test Frequency [MHz]	Meter Reading [dB(uV)]	Detector Type	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit 1	Margin 1[dB]	Polarity
1	2480.16	58.55	PK	3.94	22	84.49			Horz
2	2481.332	28.44	PK	3.92	22	54.36			Horz
3	2484.846	19.85	PK	3.87	22.1	45.82	54	-8.18	Horz
4	2479.993	60.28	PK	3.94	22	86.22			Vert
5	2481.499	29.87	PK	3.92	22	55.79			Vert
6	2485.013	20.93	PK	3.87	22.1	46.9	54	-7.1	Vert

LIMIT 1: CFR 47 Part 15 Class B 3m

PK - Peak detector

4.3 Test Conditions and Results – DIGITAL RADIATED EMISSIONS

Test Description	Measurements were made in a 10-meter semi-anechoic chamber that complies to CISPR 16/ANSI C63.4. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 10-meter. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in both horizontal and vertical polarities. Final measurements (quasi-peak or average as noted) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.	
Basic Standard	FCC Part 15, Subpart B	
UL LPG	80-EM-S0029	
	Frequency range	Measurement Point
Fully configured sample scanned over the following frequency range	30MHz – 1GHz	(10 meter distance)
Limits - Class B		
Frequency (MHz)	Limit (dBµV/m)	
	Quasi-Peak	Average
30 - 88	29.54	NA
88 - 216	33.04	NA
216 - 960	35.54	NA
960 - 1000	43.54	NA
Above 960 (FCC)	NA	54 (at 3-meter)
Supplementary information: None		

Table 36 Radiated Emissions EUT Configuration Settings

Power Interface Mode #	EUT Configurations Mode #	EUT Operation Mode #
1	1	3
Supplementary information: None		

Table 37 Radiated Emissions Test Equipment

Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESU	EMC4323	Jan 2010	Jan 2011
Bicon Antenna	Electro-Metrics	EM6912A	EMC4070	Jun 2010	Jun 2011
Log-P Antenna	Chase	UPA6109	EMC4313	Jun 2010	Jun 2011
Spectrum Analyzer	Rhode & Schwarz	FSEK	EMC4182	Jan 2010	Jan 2011
Antenna Array	UL	BOMS	EMC4276	Jan 2010	Jan 2011

Figure 32 Radiated Emissions Graph

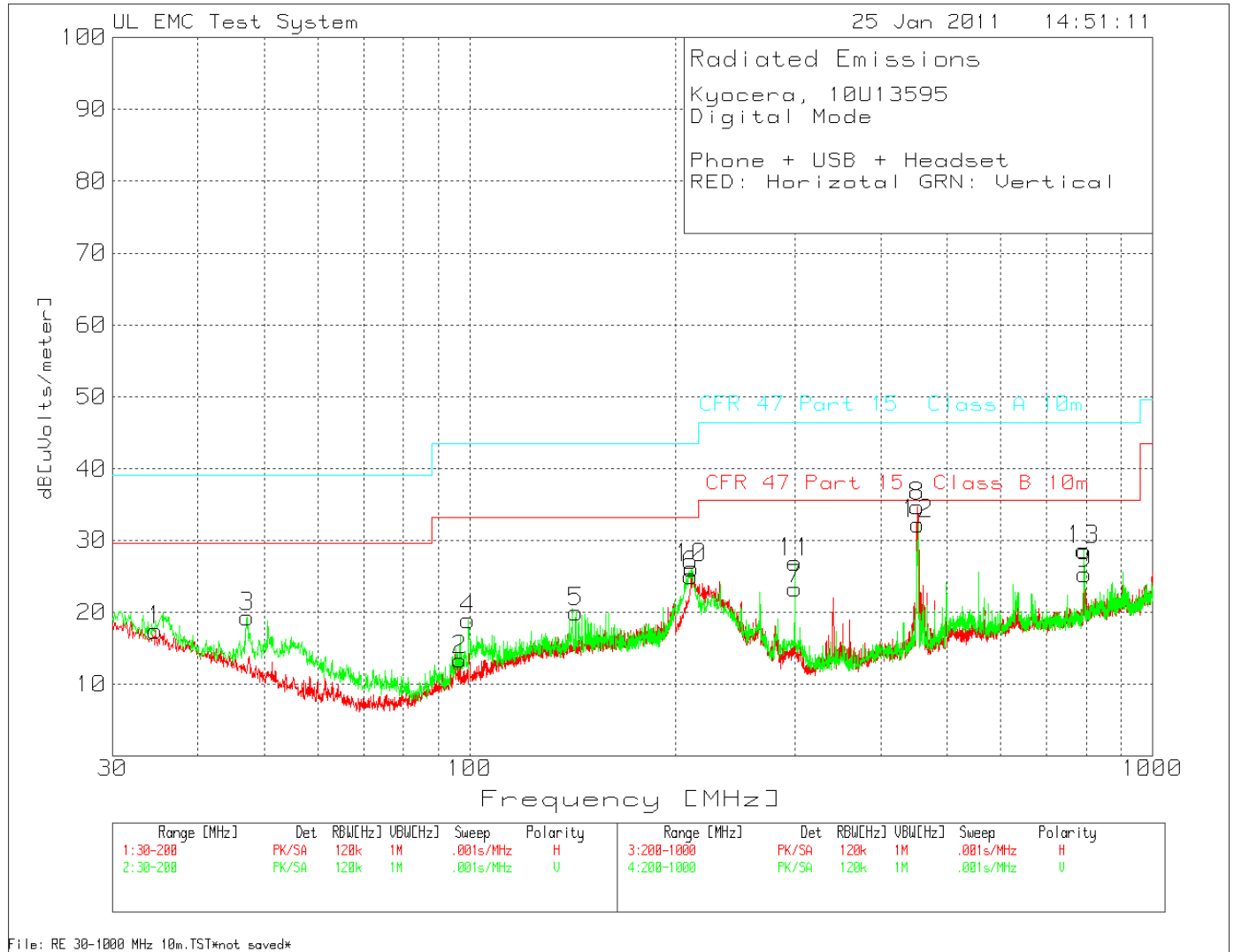


Table 38 Radiated Emissions Data Points

Kyocera, 10U13595
 Digital Mode
 Phone + USB + Headset
 RED: Horizontal GRN: Vertical

No.	Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
1	34.6727	31.64 PK	-30.4	16.2	17.44	-	-	39.1	29.6	-	-
		Height:400	Horz	Margin [dB]		-	-	-21.66	-12.16	-	-
2	96.7766	33.29 PK	-30	10.1	13.39	-	-	43.5	33.1	-	-
		Height:249	Horz	Margin [dB]		-	-	-30.11	-19.71	-	-
3	47.1614	38.33 PK	-30.3	11.3	19.33	-	-	39.1	29.6	-	-
		Height:100	Vert	Margin [dB]		-	-	-19.77	-10.27	-	-
4	99.5802	38.36 PK	-30	10.6	18.96	-	-	43.5	33.1	-	-
		Height:100	Vert	Margin [dB]		-	-	-24.54	-14.14	-	-
5	142.9935	35.46 PK	-30	14.5	19.96	-	-	43.5	33.1	-	-
		Height:100	Vert	Margin [dB]		-	-	-23.54	-13.14	-	-
6	210.926	47.35 PK	-33.3	11	25.05	-	-	43.5	33.1	-	-
		Height:402	Horz	Margin [dB]		-	-	-18.45	-8.05	-	-
7	299.4004	42.93 PK	-32.8	13.1	23.23	-	-	46.4	35.6	-	-
		Height:402	Horz	Margin [dB]		-	-	-23.17	-12.37	-	-
8	452.0986	49.55 PK	-31.9	17	34.65	-	-	46.4	35.6	-	-
		Height:300	Horz	Margin [dB]		-	-	-11.75	-9.95	-	-
9	796.4024	35.11 PK	-31.5	21.7	25.31	-	-	46.4	35.6	-	-
		Height:103	Horz	Margin [dB]		-	-	-21.09	-10.29	-	-
10	211.1925	48.41 PK	-33.3	11	26.11	-	-	43.5	33.1	-	-
		Height:100	Vert	Margin [dB]		-	-	-17.39	-6.99	-	-
11	299.4004	46.61 PK	-32.8	13.1	26.91	-	-	46.4	35.6	-	-
		Height:100	Vert	Margin [dB]		-	-	-19.49	-8.69	-	-
12	453.431	47.05 PK	-31.8	17	32.25	-	-	46.4	35.6	-	-
		Height:399	Vert	Margin [dB]		-	-	-14.15	-3.35	-	-
13	792.938	38.71 PK	-31.5	21.4	28.61	-	-	46.4	35.6	-	-
		Height:202	Vert	Margin [dB]		-	-	-17.79	-6.99	-	-

Test Frequency [MHz]	Meter Reading [dB(uV)]	Gain/Loss Factor [dB]	Transducer Factor [dB]	Level dB[uVolts/meter]	Limit:1	2	3	4	5	6
452.0127	41.19 QP	-31.9	17	26.29	-	-	46.4	35.6	-	-
	Azimuth: 178	Height:205	Horz	Margin [dB]:	-	-	-20.11	-9.31	-	-
452.0463	34.23 QP	-31.9	17	19.33	-	-	46.4	35.6	-	-
	Azimuth: 263	Height:140	Vert	Margin [dB]:	-	-	-27.07	-16.27	-	-

LIMIT 3: CFR 47 Part 15 Class A 10m
 LIMIT 4: CFR 47 Part 15 Class B 10m

PK - Peak detector
 QP - Quasi-Peak detector

Job Number: 1001252594
Model Number: S1310 (Purple)
Client Name: Kyocera Wireless Corp.

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5.0 IMMUNITY TEST RESULTS

Immunity testing was not conducted nor requested.

Appendix A - Accreditations and Authorizations



NVLAP Lab code: 100414-0

NVLAP: The National Institute of Standards and Technology (NIST) administers the National Voluntary Laboratory Accreditation Program (NVLAP). NVLAP is comprised of laboratory accreditation programs (LAPs) which are established on the basis of requests and demonstrated need. Each LAP includes specific calibration and/or test standards and related methods and protocols assembled to satisfy the unique needs for accreditation in a field of testing or calibration. NVLAP accredits public and private laboratories based on evaluation of their technical qualifications and competence to carry out specific calibrations or tests. Accreditation criteria are established in accordance with the U.S. Code of Federal Regulations (CFR, Title 15, Part 285), NVLAP Procedures and General Requirements, and encompass the requirements of ISO/IEC 17025. For a full scope listing see <http://ts.nist.gov/ts/htdocs/210/214/scopes/1004140.htm>



FCC: Details of the measurement facilities used for these tests have been filed with the Federal Communications Commission's Laboratory in Columbia, Maryland (Ref. No. 91044).



Industry Canada Industrie Canada

Industry of Canada: Accredited by Industry Canada for performance of radiated measurements. Our test site complies with RSP 100, Issue 7, Section 3.3. File #: IC 2180



VCCI: Accepted as an Associate Member to the VCCI. The measurement facilities detailed in this test report have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. Registration Nos.: Radiated Emissions R-621, Conducted Emissions C-642.



ICASA: ICASA (Independent Communications Authority of South Africa) has appointed UL as a Designated Test Laboratory to test Telecommunications equipment for type approval in compliance with CISPR 22 to assist in fulfilling its mandate under section 54(1) of the Telecommunications Act, 1996 (Act 103 of 1996).



NIST/CAB: Validated by the European Commission as a U.S. Conformity Assessment Body (CAB) of the U.S.-EU Mutual Recognition Agreement (MRA) for the Electromagnetic Compatibility - Council Directive 2004/108/EC, Annex III (2-3). Also validated for the Telecommunication Equipment-Council Directive 99/5/EC, Annex III and IV, Identification Number: 0983.

NIST/CAB: Provisioned to act as a U.S. Conformity Assessment Body (CAB) under Appendix B, Phase I Procedures, of the Asia Pacific Economic Cooperation (APEC) MRA between the American Institute in Taiwan (AIT) and the United States. Our laboratory is considered qualified to test equipment subject to the applicable EMC regulations of the Chinese Taipei Bureau of Standards, Metrology and Inspection (BSMI) which require testing to CNS 13438 (CISPR 22).

NIST/CAB: Recognized by the Infocomm Development Authority of Singapore (IDA) under the Asia Pacific Economic Cooperation Mutual Recognition Agreement (APEC MRA). Our laboratory is provisionally designated to act as a Conformity Assessment Body (CAB) under Appendix B, Phase I Procedures, of the APEC MRA. Our scope of designation includes IDA TS EMC (CISPR 22), IEC 61000-4-2, -4-3, -4-4, -4-5, and -4-6

Appendix B – Test Setup Photos



Radiated X-Axis Configuration



Radiated Y-Axis Configuration

Job Number: 1001252594
Model Number: S1310 (Purple)
Client Name: Kyocera Wireless Corp.



Radiated Z-Axis Configuration

Job Number: 1001252594
Model Number: S1310 (Purple)
Client Name: Kyocera Wireless Corp.

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