

CONFORMANCE TEST REPORT

FCC Part 15 Subpart B

Report No.

KSQ-FCC150403

Date of Issue

April 09, 2015

Model / Type No.

HD-W300T

FCC ID

XQ8HD-W300T

11273A-HDW300T

IC ID

Varient Model / Type No.

N/A

Kind of Product

Wireless Full HD Sender Transmitter

Applicant Name

I DO IT Co., Ltd.

Applicant Address

#637, Smart-Hub Industry-University Convergence

Center, 237 Sangidaehak-ro, Siheung-si,

Gyeonggi-do, Korea(429-793)

Manufacturer Name

I DO IT Co., Ltd.

Manufacturer Address

#637, Smart-Hub Industry-University Convergence

Center, 237 Sangidaehak-ro, Siheung-si,

Gyeonggi-do, Korea(429-793)

Received Date

December 17, 2014

Test Period

Start: April 02, 2015

Test Result

In Compliance

☐ Not in Compliance

End: April 03, 2015

Applicable Standard

ANSI C63.4-2009

ICES-003

Test by

Reviewed By

Won-Sang, Yoon **EMC Test Engineer**

Young-Ryul, Jo **EMC Technical Manager**

Report Number: KSQ-FCC150403

Page 1/30



TABLE OF CONTENTS

1. Calibration Detail of Equipment Used for Measurement	3
2. Laboratory Information	3
3. General Product Description	4
4. Device Modification	4
5. EUT Configuration(s)	5
6. EUT Operating Mode(s)	6
7. Configurationm of Test System	6
8. Measurement Uncertainty	7
9. Emission Test Regulations	8
10. Conducted Disturbance Voltage	9
11. Radiated Electric Field Emissions	10
APPENDIX A - Test Setup Photographs	11
APPENDIX B - Test Data	13
ADDENIDIY C FUT Dhotographs	30



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1. Calibration Detail of Equipment Used for Measurement

Test equipment and test accessories are calibrated on regular basis. The maximum time calibrations is one year is recommended by the manufacturer, whichever is less. All test equipment calibrations are traceable to the Korea Research Institute of Standards and Science (KRISS), therefore, all test data recorded in this report is traceable to KRISS.

2. Laboratory Information

-. Address

Korea Standard Quanity Laboratory

#102, Jangduk-dong, Hwasung-si, Gyeonggi-do, 445-855, Korea

Tel: +82-31-356-7333

FAX: +82-31-356-7303

Homepage: www.ksq.kr

-. Laboratory Acceditations and Listings

FCC Registration No.: 100384

KCC Registration No.: KR0024





Report Number: KSQ-FCC150403 Page 3/30



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3. General Product Description

3.1 Tested Equipment

■ Unless otherwise indicated, all test were conducted on Model HD-W300T.

3.2 Equipment Size, Mobility and Identification

Dimensions: 195(H) x 28(W) x 103(D) cm

Weight: 250 g

Mobility: ☐ Hand-held ■ Table-top ☐ Built-in

 \square Traveling \square Floor-standing

Serial No.: Prototype

3.3 Electrical Ratings or Specification

Input: AC 100-240 V, 50/60 Hz, 0.8A MAX (Adapter)

Video Decoder: H.264 Baseline Profile, Main High Profile.

Up to Full HD 1920 x 1080

Video Encoder: H.264 Baseline Profile, Constrained Baseline Profile.

Up to Full HD 1920 x 1080

WiFi Connection: Auto Scan / Pairing

Video Resolutions: 480p, 720p, 1080i/p (30/60fps)

Wireless Standard: IEEE 802.11n compliant

Frequency: $5.150 \sim 5.350 \text{ GHz}$, $5.725 \sim 5.850 \text{ GHz}$

3.4 Test Voltage and Frequency

Unless indicated otherwise on the indicidual data sheet or test result, the test voltage and frequency was as indicated below.

Voltage: 120 Vac Frequency: 50 Hz

4. Device Modifications

Amendments of Product: 1. Inside varnish paint

2. Inside attach EMI Shielding Gaskets

Report Number: KSQ-FCC150403 Page 4/30



5. EUT Configuration(s)

See Appendix A for individual test set-up configuration(s). The following peripheral devices and/or interface cable were connected during the measurement:

Peripheral Devices

Description Model Number		Serial Number	Manufacturer
Wireless Full HD Sender Receiver	HD-W300R	-	I DO IT Co., Ltd.
Adapter1	CW1202000	-	-
Adapter2	CW1202000	-	-
Notebook	VOSTRO 3350	-	DELL
Adapter3	LA65NE1-01	-	DongguangLitePower2ndPlant
Monitor	W2453VQV	-	LG
Remote Control	-	-	I DO IT Co., Ltd.
IR-Flasher	-	-	I DO IT Co., Ltd.
USB Memory	-	-	Sandisk

■ Cable Description

#	Description	Length (m)	Ferrite Core	Other Details
1	HDMI1	1.5	Y	From EUT To Notebook
2	HDMI2	1.5	Y	From Wireless Full HD Sender Receiver To Monitor
3	IR-OUT	1.4	N	-
4	LAN	10	N	From EUT To Wireless Full HD Sender Receiver
5	AUDIO1	1.2	N	From EUT To Notebook
6	AUDIO2	1.2	N	From Wireless Full HD Sender Receiver To Monitor
7	USB	0	-	From EUT To USB Memory
8	D-SUB	1.3	Y	From EUT To Notebook
9	COMPONENT	1.2	N	From Wireless Full HD Sender Receiver To Monitor
10	AV	1.4	N	From Wireless Full HD Sender Receiver To Monitor

Page 5/30 Report Number: KSQ-FCC150403



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6. EUT Operating Mode(s)

EUT was under test was operated during the measurement under the following conditions:

☐ Standby ☐ Scrolling 'H'

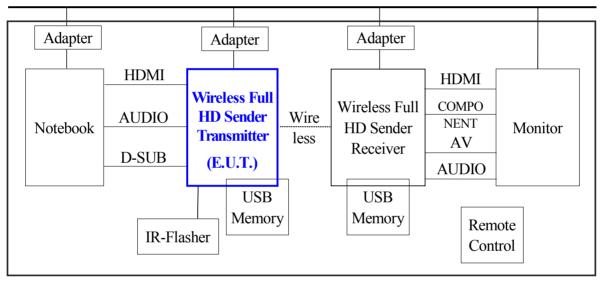
☐ Display circles patern ☐ Resd / Write

■ Practice operation - Operating Mode

7. Configuration of Test System

< Wireless Mode >

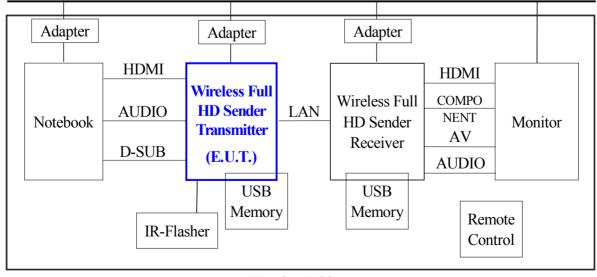
120 Vac, 50Hz



< Streamline Mode >

Wooden Table

120 Vac, 50Hz



Wooden Table



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8. Measurement Uncertainty

The Korea Standard Quality Laboratory test facilities are designed testing laboratory according to ISO/IEC 17025 by NATIONAL RADIO RESEARCH AGENCY.

Compliance of the product is based on the measured value.

However, the measurement uncertainty is included for information purposes.

The measurement uncertainties given below are based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Measurement Type	Frequency Range	Expanded Uncertainty
Conducted Emission	150 kHz to 30 MHz	±1.56 dB
Dadioted Emission	30 MHz to 1 000 MHz	±4.87 dB
Radiated Emission	1 000 MHz to 6 000 MHz	±4.33 dB

Report Number: KSQ-FCC150403 Page 7/30



9. Emissions Test Regulations

The emissions tests were performed accor	ding to following regulation	ons :
\square EMC - Directive 2004/108/EC		
☐ EN 61000-6-3:2007+A1:2011		
☐ EN 61000-6-4:2007+A1:2011		
□ EN 55011:2009+A1:2010	☐ Group 1 ☐ Class A	☐ Group 2 ☐ Class B
□ EN 60034-1:2010		
☐ EN 55014-1:2006+A1+A2:2011		
☐ EN 55015:2006+A1+A2:2009		
□ EN 61326-1:2006	☐ Class A	☐ Class B
☐ EN 55022:2010	☐ Class A	☐ Class B
☐ EN 61000-3-2:2006+A1+A2:2009		
☐ EN 61000-3-3:2008		
☐ EN 61800-3:2004+A1:2012	☐ Category C1 ☐ Category C3	☐ Category C2 ☐ Category C4
■ FCC Part 15 Subpart B	☐ Class A	■ Class B
☐ CISPR 11:2003+A1+A2:2006	☐ Group 1 ☐ Class A	☐ Group 2 ☐ Class B
☐ CISPR 22:2008	☐ Class A	☐ Class B
☐ CISPR 14-1:2005+A1+A2:2011		
□ CISPR 15:2005+A1+A2:2008		

Page 8/30 Report Number: KSQ-FCC150403



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10. Conducted Disturbance Voltages

Test Date and Condition

Date	April 01, 2015	Temperature:	22.8 ℃	Humidity	50 %
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Test Location Shield Room

Test Equipment

10	rest Equipment							
	Description	Manufacturer	Model Number	Serial Number	Cal. Due			
	TEST Receiver	ROHDE & SCHWARZ	ESPI	101014	2015.08.05			
■ LISN Kyo	Kyoritsu	KNW-407	8-1010-14	2015.06.09				
	LISN	ROHDE & SCHWARZ	ENV216	101732	2016.03.01			
	ISN	Schwarzbeck	NTFM 8158 ISN CAT3 8 Wire	8158-0022	2016.03.01			
	ISN	Schwarzbeck	NTFM 8158 ISN CAT5 8 Wire	8158-0032	2016.03.01			
	ISN	Schwarzbeck	NTFM 8158 ISN CAT6 8 Wire	8158-0030	2016.03.01			

Frequency Range of Measurement

150 kHz to 30 MHz

Test R	esulte	q
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The requirements are : ■ MET □ NOT MET □ NOT APPLICABLE

■ Main Ports

Frequency (MHz)	Corrected Amplitude(dBuV)	Margin(dB)	QP / AV	Remark
0.18	47.15	7.34	AV	

■ Communication Ports

Frequency (MHz)	Corrected Amplitude(dBuV)	Margin(dB)	QP / AV
0.49	59.34	4.83	AV

Remark

Streamline Mode is worse than Wireless Mode. Test Result is Streamline Mode.

HDMI Mode is the worst case of all mode. Test Result is HDMI Mode.

CAT3 Mode is the worst case of all mode. Test Result is CAT3 Mode.

See Appendix B for test data.

Report Number: KSQ-FCC150403 Page 9/30



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11. Radiated Electric Field Emissions

Test Date and Condition

10 M OATS

Date	April 02, 2015	Temperature:	6.4 ℃	Humidity	40 %
3 M SAC					
Date	April 02, 2015	Temperature:	20.8 ℃	Humidity	51 %

Test Location

10 M OATS

Test Equipment

Description	Manufacturer	Model Number	Serial Number	Cal. Due
Bi-log Antenna	Schwarzbeck	VULB9160	3311	2015.11.21
TEST RECEIVER	ROHDE & SCHWARZ	ESPI	101014	2015.08.05
AMPLIFIER	SONOMA INSTRUMENT	310N	251847	2015.05.01
Horn Antenna	Schwarzbeck	BBHA9120D	831	2016.07.21
EMI TEST Receiver	LIG Nex1	LSA-265	L07098033	2015.12.11
Pre Amplifier	GTC	GA-1825A	GT0929/003	2015.06.01

Frequency Range of Measurement

30 MHz to 1000 MHz, 1000 MHz to 6000 MHz

Test Results

The requirements are : ■ MET □ NOT MET □ NOT APPLICABLE

■ Below 1 000 MHz

Frequency (MHz)	Polar.	Corrected Amplitude (dBuV/m)	Margin(dB)	Remark
57.12	Н	35.27	4.73	

■ Above 1 000 MHz

Frequency (MHz)	Polar.	PK/AV	Corrected Amplitude (dBuV/m)	Margin(dB)	Remark
1186.50	V	AV	45.76	4.24	

Remark

Wireless Mode is worse than Streamline Mode. Test Result is Wireless Mode.

HDMI Mode is the worst case of all mode. Test Result is HDMI Mode.

See Appendix B for test data.

Report Number: KSQ-FCC150403 Page 10 / 30



APPENDIX A - Test Setup Photographs

Conducted Disturbance Voltage (Main Port)



Conducted Disturbance Voltage (Communication)



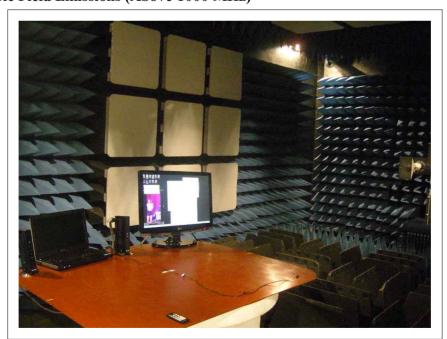
Report Number: KSQ-FCC150403



Radiated Electric Field Emissions (Below 1000 MHz)



Radiated Electric Field Emissions (Above 1000 MHz)



Report Number: KSQ-FCC150403



APPENDIX B - Test Data

■ Conducted Disturbance Voltage (Main Ports)

Wireless Mode (D-SUB)

		_				FC	CC Part 1	5 Class B			
Freq.	Correction	on Factor			Quasi-Pea	ık		Average			
(Mhz)	LISN	Cable	Phase	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	QP Margin	Average Margin
0.17	9.65	0.58	N	64.96	53.62	53.62	54.96	45.68	45.68	11.34	9.28
0.18	9.61	0.55	Н	64.49	52.64	52.64	54.49	46.57	46.57	11.85	7.92
0.24	9.63	0.49	Н	62.10	45.82	45.82	52.10	37.65	37.65	16.28	14.45
0.33	9.63	0.61	N	59.45	43.65	43.65	49.45	36.20	36.20	15.80	13.25
0.34	9.63	0.61	Н	59.20	43.26	43.26	49.20	36.31	36.31	15.94	12.89
0.41	9.64	0.60	N	57.65	40.88	40.88	47.65	33.55	33.55	16.77	14.10
0.55	9.64	0.58	Н	56.00	41.88	41.88	46.00	28.53	28.53	14.12	17.47
0.73	9.64	0.58	N	56.00	39.68	39.68	46.00	25.74	25.74	16.32	20.26
1.02	9.65	0.63	Н	56.00	40.65	40.65	46.00	34.32	34.32	15.35	11.68
1.03	9.65	0.62	N	56.00	40.85	40.85	46.00	34.05	34.05	15.15	11.95
1.67	9.65	0.59	Н	56.00	42.58	42.58	46.00	24.69	24.69	13.42	21.31
1.69	9.66	0.59	N	56.00	43.20	43.20	46.00	27.12	27.12	12.80	18.88

Page 13/30 Report Number: KSQ-FCC150403



Wireless Mode (USB)

						FC	CC Part 1	5 Class B			
Freq.	Correction	on Factor			Quasi-Pea	ık		Average			
(Mhz)	LISN	Cable	Phase	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	QP Margin	Average Margin
0.18	9.64	0.55	N	64.49	53.24	53.24	54.49	44.69	44.69	11.25	9.80
0.19	9.62	0.53	Н	64.04	53.24	53.24	54.04	46.53	46.53	10.80	7.51
0.25	9.63	0.49	Н	61.76	45.98	45.98	51.76	37.25	37.25	15.78	14.51
0.34	9.63	0.61	N	59.20	44.31	44.31	49.20	35.89	35.89	14.89	13.31
0.35	9.63	0.61	Н	58.96	42.68	42.68	48.96	36.04	36.04	16.28	12.92
0.42	9.64	0.59	N	57.45	39.88	39.88	47.45	34.02	34.02	17.57	13.43
0.57	9.64	0.58	Н	56.00	42.27	42.27	46.00	29.61	29.61	13.73	16.39
0.81	9.65	0.57	N	56.00	38.62	38.62	46.00	24.75	24.75	17.38	21.25
1.09	9.65	0.61	N	56.00	39.96	39.96	46.00	35.51	35.51	16.04	10.49
1.13	9.65	0.60	Н	56.00	41.52	41.52	46.00	33.56	33.56	14.48	12.44
1.72	9.67	0.59	N	56.00	42.48	42.48	46.00	27.26	27.26	13.52	18.74
1.84	9.66	0.61	Н	56.00	43.25	43.25	46.00	25.02	25.02	12.75	20.98

Report Number: KSQ-FCC150403 Page 14/30



Wireless Mode (HDMI)

		_				FC	CC Part 1	15 Class B			
Freq.	Correction	on Factor			Quasi-Pea	k		Average			
(Mhz)	LISN	Cable	Phase	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	QP Margin	Average Margin
0.18	9.61	0.55	Н	64.49	52.64	52.64	54.49	45.96	45.96	11.85	8.53
0.20	9.62	0.50	N	63.61	51.28	51.28	53.61	43.16	43.16	12.33	10.45
0.26	9.63	0.52	Н	61.43	46.03	46.03	51.43	37.72	37.72	15.40	13.71
0.33	9.63	0.61	Н	59.45	41.87	41.87	49.45	36.23	36.23	17.58	13.22
0.40	9.64	0.60	N	57.85	43.28	43.28	47.85	35.52	35.52	14.57	12.33
0.49	9.64	0.57	N	56.17	38.82	38.82	46.17	33.85	33.85	17.35	12.32
0.59	9.64	0.58	Н	56.00	43.24	43.24	46.00	29.94	29.94	12.76	16.06
1.02	9.65	0.63	N	56.00	37.76	37.76	46.00	24.28	24.28	18.24	21.72
1.13	9.65	0.60	N	56.00	40.62	40.62	46.00	35.24	35.24	15.38	10.76
1.18	9.65	0.59	Н	56.00	40.95	40.95	46.00	34.06	34.06	15.05	11.94
1.74	9.67	0.60	N	56.00	41.36	41.36	46.00	28.20	28.20	14.64	17.80
1.82	9.66	0.61	Н	56.00	43.38	43.38	46.00	24.16	24.16	12.62	21.84



Streamline Mode (D-SUB)

						FC	C Part 1	5 Class B			
Freq.	Correction	on Factor			Quasi-Pea	k		Average			
(Mhz)	LISN	Cable	Phase	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	QP Margin	Average Margin
0.18	9.61	0.55	Н	64.49	54.23	54.23	54.49	46.82	46.82	10.26	7.67
0.19	9.63	0.53	N	64.04	53.37	53.37	54.04	46.58	46.58	10.67	7.46
0.26	9.63	0.52	Н	61.43	45.97	45.97	51.43	38.12	38.12	15.46	13.31
0.32	9.63	0.62	Н	59.71	43.61	43.61	49.71	36.68	36.68	16.10	13.03
0.33	9.63	0.61	N	59.45	42.63	42.63	49.45	35.69	35.69	16.82	13.76
0.40	9.64	0.60	N	57.85	41.17	41.17	47.85	34.32	34.32	16.68	13.53
0.53	9.64	0.57	Н	56.00	40.88	40.88	46.00	27.16	27.16	15.12	18.84
0.72	9.64	0.59	N	56.00	39.97	39.97	46.00	26.18	26.18	16.03	19.82
0.98	9.65	0.61	N	56.00	42.23	42.23	46.00	32.85	32.85	13.77	13.15
1.02	9.65	0.63	Н	56.00	40.86	40.86	46.00	33.41	33.41	15.14	12.59
1.59	9.65	0.59	Н	56.00	42.69	42.69	46.00	27.74	27.74	13.31	18.26
1.69	9.66	0.59	N	56.00	43.42	43.42	46.00	27.73	27.73	12.58	18.27

Report Number: KSQ-FCC150403 Page 16/30



Streamline Mode (USB)

		_				FC	C Part 1	5 Class B			
Freq.	Correction	on Factor			Quasi-Pea	ık		Average			
(Mhz)	LISN	Cable	Phase	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	QP Margin	Average Margin
0.18	9.61	0.55	Н	64.49	53.67	53.67	54.49	45.89	45.89	10.82	8.60
0.22	9.62	0.50	N	62.82	52.67	52.67	52.82	45.96	45.96	10.15	6.86
0.27	9.63	0.54	Н	61.12	44.62	44.62	51.12	37.72	37.72	16.50	13.40
0.34	9.63	0.61	N	59.20	41.68	41.68	49.20	36.20	36.20	17.52	13.00
0.35	9.63	0.61	Н	58.96	43.36	43.36	48.96	35.89	35.89	15.60	13.07
0.42	9.64	0.59	N	57.45	42.05	42.05	47.45	34.48	34.48	15.40	12.97
0.54	9.64	0.57	Н	56.00	41.67	41.67	46.00	28.41	28.41	14.33	17.59
0.74	9.64	0.58	N	56.00	40.25	40.25	46.00	26.34	26.34	15.75	19.66
1.05	9.65	0.62	N	56.00	41.68	41.68	46.00	33.60	33.60	14.32	12.40
1.08	9.65	0.61	Н	56.00	41.38	41.38	46.00	34.36	34.36	14.62	11.64
1.62	9.65	0.59	Н	56.00	42.87	42.87	46.00	27.72	27.72	13.13	18.28
1.72	9.67	0.59	N	56.00	42.69	42.69	46.00	27.75	27.75	13.31	18.25

Report Number: KSQ-FCC150403 Page 17/30



Streamline Mode (HDMI)

		_				FC	C Part 1	5 Class B			
Freq.	Correction	on Factor			Quasi-Pea	ık		Average			
(Mhz)	LISN	Cable	Phase	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	Limit (dBuV)	Indicated Amplitude (dBuV)	Corrected Amplitude (dBuV)	QP Margin	Average Margin
0.17	9.61	0.58	Н	64.96	53.84	53.84	54.96	47.41	47.41	11.12	7.55
0.18	9.64	0.55	N	64.49	54.25	54.25	54.49	47.15	47.15	10.24	7.34
0.24	9.63	0.49	Н	62.10	46.60	46.60	52.10	38.23	38.23	15.50	13.87
0.30	9.63	0.62	Н	60.24	44.81	44.81	50.24	37.76	37.76	15.43	12.48
0.30	9.63	0.62	N	60.24	43.86	43.86	50.24	36.03	36.03	16.38	14.21
0.38	9.64	0.60	N	58.28	41.66	41.66	48.28	33.17	33.17	16.62	15.11
0.51	9.64	0.57	Н	56.00	41.91	41.91	46.00	27.55	27.55	14.09	18.45
0.70	9.64	0.59	N	56.00	40.77	40.77	46.00	26.21	26.21	15.23	19.79
0.97	9.65	0.61	Н	56.00	41.56	41.56	46.00	33.95	33.95	14.44	12.05
0.97	9.65	0.61	N	56.00	41.69	41.69	46.00	33.55	33.55	14.31	12.45
1.58	9.65	0.59	Н	56.00	43.41	43.41	46.00	27.62	27.62	12.59	18.38
1.68	9.66	0.59	N	56.00	42.64	42.64	46.00	27.07	27.07	13.36	18.93

Report Number: KSQ-FCC150403 Page 18/30



■ Conducted Disturbance Voltage (Communication Ports) - CAT3 Mode

					FC	C Part 1	5 Class B			
	Correction	on Factor				Clait				
Freq.				Quasi-Pea	ık		Average		OD	
(Mhz)			Limit	Indicated	Corrected	Limit	Indicated	Corrected	QP	Average
(1,112)	LISN Cable				Amplitude		Amplitude	Amplitude	Margin	Margin
			(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dBuV)		
0.26	9.69	0.52	79.43	64.49	64.49	69.43	59.74	59.74	14.94	9.69
0.49	9.65	0.57	74.17	66.42	66.42	64.17	59.34	59.34	7.75	4.83
0.70	9.65	0.59	74.00	63.47	63.47	64.00	56.55	56.55	10.53	7.45
1.16	9.64	0.60	74.00	62.77	62.77	64.00	56.50	56.50	11.23	7.50
1.60	9.64	0.59	74.00	62.02	62.02	64.00	56.38	56.38	11.98	7.62
2.59	9.65	0.64	74.00	61.48	61.48	64.00	56.42	56.42	12.52	7.58

■ Conducted Disturbance Voltage (Communication Ports) - CAT5 Mode

		_			FC	C Part 1	5 Class B			
Freq.	Correction	on Factor		Quasi-Pea	k		Average			
(Mhz)			Limit	Indicated	Corrected	Limit	Indicated	Corrected	QP	Average
(1,111)	LISN Cable		(dBuV)		Amplitude	(dBuV)	Amplitude		Margin	Margin
			(ubu v)	(dBuV)	(dBuV)	(ubu v)	(dBuV)	(dBuV)		
0.36	9.77	0.61	76.73	63.52	63.52	66.73	57.61	57.61	13.21	9.12
0.84	9.61	0.56	74.00	58.96	58.96	64.00	51.36	51.36	15.04	12.64
1.15	9.56	0.60	74.00	64.30	64.30	64.00	50.39	50.39	9.70	13.61
1.21	9.55	0.59	74.00	62.38	62.38	64.00	55.20	55.20	11.62	8.80
1.62	9.50	0.59	74.00	63.27	63.27	64.00	52.68	52.68	10.73	11.32
2.62	9.44	0.64	74.00	61.03	61.03	64.00	55.78	55.78	12.97	8.22

Report Number: KSQ-FCC150403 Page 19/30



■ Conducted Disturbance Voltage (Communication Ports) - CAT6 Mode

		_		FCC Part 15 Class B						
Freq.	Correction	on Factor		Quasi-Pea	k		Average			
(Mhz)			Limit	Indicated	Corrected	Limit	Indicated	Corrected	QP	Average
(11112)	LISN Cable		(dBuV)		Amplitude	(dBuV)	Amplitude		Margin	Margin
			(dDu v)	(dBuV)	(dBuV)	(ubu v)	(dBuV)	(dBuV)		
0.41	9.65	0.60	75.65	61.39	61.39	65.65	56.23	56.23	14.26	9.42
0.86	9.56	0.56	74.00	57.88	57.88	64.00	52.84	52.84	16.12	11.16
1.21	9.55	0.59	74.00	63.60	63.60	64.00	51.85	51.85	10.40	12.15
2.49	9.54	0.65	74.00	61.39	61.39	64.00	54.68	54.68	12.61	9.32
3.67	9.55	0.62	74.00	62.38	62.38	64.00	54.03	54.03	11.62	9.97
4.62	9.55	0.63	74.00	61.82	61.82	64.00	54.29	54.29	12.18	9.71

Report Number: KSQ-FCC150403 Page 20 / 30



■ Radiated Electric Field Emissions (Below 1000 MHz)

Wireless Mode (D-SUB)

Indio	cated	Ant	enna			FCC F	Part 15 Class	s B	
Frequency	Indicated	Polar.	Height	Corre	ection Fac	Ι	Limit	Corrected	Margin
(MHz)	Amplitude (dBuV/m)	(H/V)	(m)	Antenna (dB/m)	Cable (dB)	AMP (dB)	(dBuV/m)	Amplitude (dBuV/m)	Margin (dB)
44.65	22.67	Н	3.5	11.50	1.49	32.52	30.00	22.67	7.33
50.36	24.87	V	3.5	11.45	1.55	32.51	30.00	24.87	5.13
79.25	24.98	Н	3.0	7.90	1.85	32.52	30.00	24.98	5.02
150.36	22.79	V	2.8	12.74	2.42	32.51	30.00	22.79	7.21
154.21	23.37	Н	2.1	12.84	2.45	32.51	30.00	23.37	6.63
448.26	31.27	V	1.2	16.85	4.36	32.63	37.00	31.27	5.73

Wireless Mode (USB)

Indic	cated	Ant	enna	FCC Part 15 Class B						
Fraguency	Indicated	Polar.	Height	Corre	ection Fac	ctor	Limit	Corrected	Margin	
Frequency (MHz)	Amplitude (dBuV/m)	(H/V)	(m)	Antenna (dB/m)	Cable (dB)	AMP (dB)	(dBuV/m)	Amplitude (dBuV/m)	Margin (dB)	
46.35	23.14	Н	3.6	11.51	1.51	32.52	30.00	23.14	6.86	
51.36	25.02	V	3.4	11.38	1.57	32.51	30.00	25.02	4.98	
78.82	23.80	Н	2.8	7.97	1.85	32.52	30.00	23.80	6.20	
158.63	23.13	Н	1.9	12.96	2.48	32.51	30.00	23.13	6.87	
159.52	22.17	V	2.6	12.99	2.49	32.51	30.00	22.17	7.83	
457.52	30.62	V	1.3	16.87	4.32	32.63	37.00	30.62	6.38	

Report Number: KSQ-FCC150403 Page 21/30



Wireless Mode (HDMI)

Indio	cated	Ant	enna			FCC F	Part 15 Class	s B	
Fraguency	Indicated	Polar.	Height	Corre	ection Fac	ctor	Limit	Corrected	Margin
Frequency (MHz)	Amplitude (dBuV/m)	(H/V)	(m)	Antenna (dB/m)	Cable (dB)	AMP (dB)	(dBuV/m)	Amplitude (dBuV/m)	Margin (dB)
58.63	35.12	Н	3.8	10.89	1.65	32.51	40.00	35.12	4.88
69.61	35.02	V	3.8	9.46	1.77	32.52	40.00	35.02	4.98
72.04	32.64	Н	3.3	9.08	1.79	32.52	40.00	32.64	7.36
116.57	26.64	V	3.3	10.83	2.14	32.53	40.00	26.64	13.36
377.55	27.76	V	1.8	15.12	3.85	32.55	47.00	27.76	19.24
453.27	34.27	Н	2.0	16.78	4.30	32.62	47.00	34.27	12.73

Streamline Mode (D-SUB)

Indic	cated	Ant	enna	FCC Part 15 Class B								
Eraguanav	Indicated	Polar.	Unight	Corre	ection Fac	ctor	Limit	Corrected	Margin			
Frequency (MHz)	Amplitude (dBuV/m)	(H/V)	Height (m)	Antenna (dB/m)	Cable (dB)	AMP (dB)	(dBuV/m)	Amplitude (dBuV/m)	Margin (dB)			
49.63	24.13	Н	3.7	11.47	1.55	32.51	30.00	24.13	5.87			
52.31	24.89	V	2.9	11.32	1.58	32.51	30.00	24.89	5.11			
79.62	22.51	Н	2.4	7.84	1.86	32.52	30.00	22.51	7.49			
156.38	22.96	Н	2.1	12.90	2.46	32.51	30.00	22.96	7.04			
163.28	21.98	V	3.0	12.71	2.53	32.51	30.00	21.98	8.02			
463.58	31.65	V	1.5	17.00	4.39	32.63	37.00	31.65	5.35			

Report Number: KSQ-FCC150403 Page 22 / 30



Streamline Mode (USB)

Indic	cated	Ant	enna			FCC F	Part 15 Class	s B	
	Indicated	Polar.	Height	Corre	ection Fac	ctor	Limit	Corrected	Margin
(MHz)	Amplitude (dBuV/m)	(H/V)	(m)	Antenna (dB/m)	Cable (dB)	AMP (dB)	(dBuV/m)	Amplitude (dBuV/m)	Margin (dB)
44.75	23.15	Н	3.7	11.50	1.50	32.52	30.00	23.15	6.85
51.31	25.34	V	3.4	11.38	1.57	32.51	30.00	25.34	4.66
77.69	25.81	Н	3.3	8.16	1.84	32.52	30.00	25.81	4.19
154.68	23.15	V	2.8	12.86	2.45	32.51	30.00	23.15	6.85
162.68	23.62	Н	2.4	12.76	2.52	32.51	30.00	23.62	6.38
465.28	32.08	V	1.7	17.04	4.39	32.64	37.00	32.08	4.92

Streamline Mode (HDMI)

Indic	cated	enna		FCC Part 15 Class B								
Fraguency	Indicated	Polar.	Height	Corre	ection Fac	ctor	Limit	Corrected	Morgin			
Frequency (MHz)	Amplitude (dBuV/m)	(H/V)	(m)	Antenna (dB/m)	Cable (dB)	AMP (dB)	(dBuV/m)	Amplitude (dBuV/m)	Margin (dB)			
45.13	23.06	Н	3.6	11.52	1.50	32.52	30.00	23.06	6.94			
52.34	24.85	V	3.3	11.31	1.58	32.51	30.00	24.85	5.15			
78.59	24.89	Н	3.5	8.01	1.85	32.52	30.00	24.89	5.11			
162.30	23.07	V	2.7	12.80	2.52	32.51	30.00	23.07	6.93			
163.25	22.87	Н	2.5	12.71	2.53	32.51	30.00	22.87	7.13			
468.52	31.06	V	2.1	17.11	4.40	32.64	37.00	31.06	5.94			

Report Number: KSQ-FCC150403 Page 23 / 30



■ Radiated Electric Field Emissions (Above 1000 MHz)

Wireless Mode (D-SUB)

Indic	cated	Ant	enna	Correction Factor			Datastan	FCC	Part 15 Class	s B
Frequency (MHz)	Amplitude (dBuV/m)			Ant. (dB)	Cable (dB)	AMP (dB)	Detector (PK/AV)	Limit (dBuV/m)	Corrected Amplitude (dBuV/m)	Margin (dB)
1632.50	47.20	Н	1.2	25.62	4.71	26.46	PK	70.00	47.20	22.80
1682.90	50.38	V	1.2	25.62	4.71	26.46	PK	70.00	50.38	19.62
2384.50	51.65	V	1.2	27.32	7.27	25.80	PK	70.00	51.65	18.35
2685.10	51.36	Н	1.2	28.06	6.25	25.50	PK	70.00	51.36	18.64
2689.40	53.61	V	1.2	28.06	6.25	25.50	PK	70.00	53.61	16.39
3125.10	51.32	Н	1.2	28.64	6.07	24.91	PK	74.00	51.32	22.68
1632.50	41.62	Н	1.2	25.62	4.71	26.46	AV	50.00	41.62	8.38
1682.90	41.65	V	1.2	25.62	4.71	26.46	AV	50.00	41.65	8.35
2384.50	43.20	V	1.2	27.32	7.27	25.80	AV	50.00	43.20	6.80
2685.10	44.67	Н	1.2	28.06	6.25	25.50	AV	50.00	44.67	5.33
2689.40	44.78	V	1.2	28.06	6.25	25.50	AV	50.00	44.78	5.22
3125.10	44.25	Н	1.2	28.64	6.07	24.91	AV	54.00	44.25	9.75

Report Number: KSQ-FCC150403 Page 24/30



Wireless Mode (USB)

Indic	cated	Ant	tenna	Correction Factor			Datastan	FCC	FCC Part 15 Class B		
Frequency (MHz)	Amplitude (dBuV/m)		-	Ant. (dB)	Cable (dB)	AMP (dB)	Detector (PK/AV)	Limit (dBuV/m)	Corrected Amplitude (dBuV/m)	Margin (dB)	
1563.20	47.25	Н	1.2	25.47	4.49	26.54	PK	70.00	47.25	22.75	
1657.20	49.63	V	1.2	25.62	4.71	26.46	PK	70.00	49.63	20.37	
2385.60	51.60	V	1.2	27.32	7.27	25.80	PK	70.00	51.60	18.40	
2592.30	52.17	V	1.2	27.91	6.31	25.60	PK	70.00	52.17	17.83	
2648.50	51.13	Н	1.2	28.06	6.25	25.50	PK	70.00	51.13	18.87	
3256.10	51.86	Н	1.2	28.68	6.17	24.75	PK	74.00	51.86	22.14	
1563.20	41.63	Н	1.2	25.47	4.49	26.54	AV	50.00	41.63	8.37	
1657.20	42.12	V	1.2	25.62	4.71	26.46	AV	50.00	42.12	7.88	
2385.60	42.38	V	1.2	27.32	7.27	25.80	AV	50.00	42.38	7.62	
2592.30	45.10	V	1.2	27.91	6.31	25.60	AV	50.00	45.10	4.90	
2648.50	44.28	Н	1.2	28.06	6.25	25.50	AV	50.00	44.28	5.72	
3256.10	43.68	Н	1.2	28.68	6.17	24.75	AV	54.00	43.68	10.32	

Report Number: KSQ-FCC150403 Page 25 / 30



Wireless Mode (HDMI)

Indic	cated	Ant	tenna	C	Correcti Factor		Datastan	FCC	Part 15 Clas	s B
Frequency (MHz)	Amplitude (dBuV/m)		-	Ant. (dB)	Cable (dB)	AMP (dB)	Detector (PK/AV)	Limit (dBuV/m)	Corrected Amplitude (dBuV/m)	Margin (dB)
1532.40	47.95	Н	1.2	25.47	4.49	26.54	PK	70.00	47.95	22.05
1768.20	50.65	V	1.2	25.77	4.90	26.37	PK	70.00	50.65	19.35
2352.10	51.16	V	1.2	27.32	7.27	25.80	PK	70.00	51.16	18.84
2687.90	52.87	Н	1.2	28.06	6.25	25.50	PK	70.00	52.87	17.13
2697.80	54.26	V	1.2	28.06	6.25	25.50	PK	70.00	54.26	15.74
2994.80	51.82	Н	1.2	28.51	6.09	25.19	PK	70.00	51.82	18.18
1532.40	41.65	Н	1.2	25.47	4.49	26.54	AV	50.00	41.65	8.35
1768.20	42.65	V	1.2	25.77	4.90	26.37	AV	50.00	42.65	7.35
2352.10	43.62	V	1.2	27.32	7.27	25.80	AV	50.00	43.62	6.38
2687.90	45.89	Н	1.2	28.06	6.25	25.50	AV	50.00	45.89	4.11
2697.80	45.71	V	1.2	28.06	6.25	25.50	AV	50.00	45.71	4.29
2994.80	44.87	Н	1.2	28.51	6.09	25.19	AV	50.00	44.87	5.13

Report Number: KSQ-FCC150403 Page 26 / 30



Streamline Mode (D-SUB)

Indio	cated	Ant	tenna	Correction Factor			D	FCC	FCC Part 15 Class B		
Frequency (MHz)	Amplitude (dBuV/m)		-	Ant. (dB)	Cable (dB)	AMP (dB)	Detector (PK/AV)	Limit (dBuV/m)	Corrected Amplitude (dBuV/m)	Margin (dB)	
1465.20	47.35	Н	1.2	25.33	4.24	26.63	PK	70.00	47.35	22.65	
1658.50	48.69	V	1.2	25.62	4.71	26.46	PK	70.00	48.69	21.31	
2384.50	51.62	V	1.2	27.32	7.27	25.80	PK	70.00	51.62	18.38	
2648.70	51.32	Н	1.2	28.06	6.25	25.50	PK	70.00	51.32	18.68	
2652.10	51.35	V	1.2	28.06	6.25	25.50	PK	70.00	51.35	18.65	
3354.60	50.84	Н	1.2	28.72	6.26	24.59	PK	74.00	50.84	23.16	
1465.20	42.06	Н	1.2	25.33	4.24	26.63	AV	50.00	42.06	7.94	
1658.50	41.87	V	1.2	25.62	4.71	26.46	AV	50.00	41.87	8.13	
2384.50	41.65	V	1.2	27.32	7.27	25.80	AV	50.00	41.65	8.35	
2648.70	43.26	Н	1.2	28.06	6.25	25.50	AV	50.00	43.26	6.74	
2652.10	44.85	V	1.2	28.06	6.25	25.50	AV	50.00	44.85	5.15	
3354.60	43.28	Н	1.2	28.72	6.26	24.59	AV	54.00	43.28	10.72	

Report Number: KSQ-FCC150403 Page 27 / 30



Streamline Mode (USB)

Indio	cated	Ant	enna	Correction Factor			Datastan	FCC	Part 15 Class	s B
Frequency (MHz)	Amplitude (dBuV/m)		Height (m)	Ant. (dB)	Cable (dB)	AMP (dB)	Detector (PK/AV)	Limit (dBuV/m)	Corrected Amplitude (dBuV/m)	Margin (dB)
1563.20	48.02	Н	1.2	25.47	4.49	26.54	PK	70.00	48.02	21.98
1845.20	51.63	V	1.2	25.92	5.18	26.29	PK	70.00	51.63	18.37
2386.40	51.67	V	1.2	27.32	7.27	25.80	PK	70.00	51.67	18.33
2635.80	52.41	Н	1.2	28.06	6.25	25.50	PK	70.00	52.41	17.59
2684.50	54.16	V	1.2	28.06	6.25	25.50	PK	70.00	54.16	15.84
2998.50	50.32	Н	1.2	28.51	6.09	25.19	PK	70.00	50.32	19.68
1563.20	41.65	Н	1.2	25.47	4.49	26.54	AV	50.00	41.65	8.35
1845.20	42.85	V	1.2	25.92	5.18	26.29	AV	50.00	42.85	7.15
2386.40	43.21	V	1.2	27.32	7.27	25.80	AV	50.00	43.21	6.79
2635.80	44.87	Н	1.2	28.06	6.25	25.50	AV	50.00	44.87	5.13
2684.50	46.20	V	1.2	28.06	6.25	25.50	AV	50.00	45.27	4.73
2998.50	43.54	Н	1.2	28.51	6.09	25.19	AV	50.00	43.54	6.46

Report Number: KSQ-FCC150403 Page 28 / 30



Streamline Mode (HDMI)

Indio	cated	Ant	enna	Correction Factor			Datastan	FCC	Part 15 Class	s B
Frequency (MHz)	Amplitude (dBuV/m)		Height (m)	Ant. (dB)	Cable (dB)	AMP (dB)	Detector (PK/AV)	Limit (dBuV/m)	Corrected Amplitude (dBuV/m)	Margin (dB)
1568.40	48.32	Н	1.2	25.47	4.49	26.54	PK	70.00	48.32	21.68
1765.80	50.35	V	1.2	25.77	4.90	26.37	PK	70.00	50.35	19.65
2385.40	51.84	V	1.2	27.32	7.27	25.80	PK	70.00	51.84	18.16
2633.40	51.87	Н	1.2	28.06	6.25	25.50	PK	70.00	51.87	18.13
2697.50	54.32	V	1.2	28.06	6.25	25.50	PK	70.00	54.32	15.68
2995.60	49.85	Н	1.2	28.51	6.09	25.19	PK	70.00	49.85	20.15
1568.40	41.62	Н	1.2	25.47	4.49	26.54	AV	50.00	41.62	8.38
1765.80	41.68	V	1.2	25.77	4.90	26.37	AV	50.00	41.68	8.32
2385.40	42.64	V	1.2	27.32	7.27	25.80	AV	50.00	42.64	7.36
2633.40	43.68	Н	1.2	28.06	6.25	25.50	AV	50.00	43.68	6.32
2697.50	44.71	V	1.2	28.06	6.25	25.50	AV	50.00	44.71	5.29
2995.60	43.21	Н	1.2	28.51	6.09	25.19	AV	50.00	43.21	6.79

Report Number: KSQ-FCC150403 Page 29 / 30



APPENDIX C - EUT Photographs

EUT: Front View



EUT: Rear View



Report Number: KSQ-FCC150403

Page 30/30