



FCC 47 CFR PART 15 SUBPART B

CERTIFICATION TEST REPORT

FOR

32" 4K OLED Surgical Display

MODEL NUMBER: 0240-031-300

FCC ID : THCDTMM3150A

REPORT NUMBER: 4790346853-FE1V3

ISSUE DATE: Sep. 14, 2022

Prepared for

D&T INC

**(JANG-DONG,(DAEDEOK VALLEY)),26-121 GAJEONBUK-RO,
YUSEONG-GU, DAEJEON, 305-343 KOREA**

D&T INC

Prepared by

**UL Korea, Ltd. Suwon Laboratory
218 Maeyeong-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16675, Korea
TEL: (031) 337-9902
FAX: (031) 213-5433**



Testing Laboratory

TL-637

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	09/05/22	Initial issue	Hyungmin Choi
V2	09/13/22	Updated about the TCB's question	Hyungmin Choi
V3	09/14/22	Updated about the TCB's question	Hyungmin Choi

[Brief summary of EMI test]

Test Title	Frequency	Margin	Detector	Tested Mode
Conducted Emission Test	17.397167 MHz	5.42 dB	CAV	HDMI IN
Radiated Emission Test (30 MHz ~ 1 GHz)	594.046500 MHz	3.30 dB	QP	HDMI IN
Radiated Emission Test (1 GHz ~ 18 GHz)	2 227.600000 MHz	7.42 dB	CAV	HDMI IN

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	4
2. TEST METHODOLOGY	6
3. FACILITIES AND ACCREDITATION	6
4. CALIBRATION AND UNCERTAINTY	6
4.1. <i>MEASURING INSTRUMENT CALIBRATION</i>	6
4.2. <i>SAMPLE CALCULATION</i>	6
4.3. <i>MEASUREMENT UNCERTAINTY</i>	7
4.4. <i>DECISION RULE</i>	7
5. EQUIPMENT UNDER TEST	8
5.1. <i>DESCRIPTION OF EUT</i>	8
5.2. <i>Product description</i>	8
5.3. <i>PRELIMINARY TEST CONFIGURATIONS</i>	9
5.4. <i>MODE(S) OF OPERATION INVESTIGATED</i>	9
5.5. <i>Used DC Extension Cable for Test</i>	9
5.6. <i>MODIFICATIONS</i>	9
5.7. <i>RESULTS CONCLUSION</i>	10
5.8. <i>TEST ENVIRONMENT AND CONDITIONS</i>	10
5.9. <i>DETAILS OF TESTED SYSTEM</i>	11
6. TEST AND MEASUREMENT EQUIPMENT	14
7. APPLICABLE LIMITS AND TEST RESULTS	15
7.1. <i>RADIATED EMISSIONS</i>	15
7.2. <i>AC MAINS LINE CONDUCTED EMISSIONS</i>	21

1. ATTESTATION OF TEST RESULTS

APPLICANT : D&T INC
/ ADDRESS : (JANG-DONG,(DAEDEOK VALLEY)),26-121
GAJEONBUK-RO, YUSEONG-GU, DAEJEON, 305-343,
KOREA

MANUFACTURER NAME : Stryker Endoscopy
/ ADDRESS : 5900 Optical Court
San Jose, CA 95138, USA

EUT DESCRIPTION : 32" 4K OLED Surgical Display

MODEL NUMBER : 0240-031-300

VARIANT MODEL NUMBER: 240031300, 0240031300, 0-240-031-300,
240.031.300, 0240.031.300, 0.240.031.300,
DTM-M3150A

MODEL DIFFIERENCE : 0240-031-300, 240031300, 0240031300, 0-240-031-300,
240.031.300, 0240.031.300, 0.240.031.300,
DTM-M3150A are no technical difference from each
model only except for model number because of
marketing purposes.

SERIAL NUMBER : N/A

DATE TESTED : May. 02, 2022 ~ May. 03, 2022

APPLICABLE STANDARDS

STANDARD	TEST RESULTS
FCC PART 15 SUBPART B	PASS
Equipment Class	Class B

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

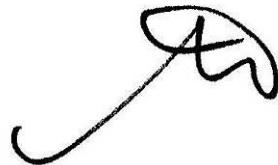
Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For
UL Korea, Ltd. By:



Anthony Kim
Senior Laboratory Engineer
UL Korea, Ltd.

Tested By:



Hyungmin, Choi
Senior Laboratory Engineer
UL Korea, Ltd.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4-2014, FCC CFR 47 Part 2, FCC CFR 47 Part 15.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea.

218 Maeyeong-ro	
<input type="checkbox"/>	Chamber 1
<input type="checkbox"/>	Chamber 2
<input type="checkbox"/>	Chamber 3
<input checked="" type="checkbox"/>	10 m Chamber
<input checked="" type="checkbox"/>	Shield room 5
<input type="checkbox"/>	Shield room 6

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at

<https://www.iasonline.org/wpcontent/uploads/2017/05/TL-637-cert-New.pdf>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

Test Item	Sample
Field Strength (dBuV/m)	Measured Voltage (dBuV/m) = Receiver Reading + Correction *Correction = Antenna Factor (dB/m) + Cable Loss (dB) - Preamp Gain (dB) 28.9 dBuV/m = 36.5 dBuV - 7.6 dB
Conducted (dBuV)	Measured Voltage (dBuV) = Receiver Reading + Correction *Correction = AMN(AAN) Factor (dB) + Cable Loss (dB) 55.3 dBuV = 45.5 dBuV + 9.8 dB

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Measurement uncertainty
Conducted Emission (0.15 to 30 MHz Below)	2.90 dB, Note 1
Radiated emission (1 GHz Below)	4.37 dB, Note 1
Radiated emission (1 GHz Above)	4.67 dB, Note 1
Note 1: Measurement uncertainty is calculated in according with CISPR 16-4-2 (2011-06). The measurement uncertainty is given with a confidence of 95 % with the coverage factor, $k=2$.	

Uncertainty figures are valid to a confidence level of 95%, $k=2$.

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Accuracy Method specified in Procedure 2, Clause 4.4.3 in IEC Guide 115: 2021.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

Type of Equipment	: 32" 4K OLED Surgical Display
Model No.	: 0240-031-300
Serial No.	: N/A
EUT Power	: DC 24 V, 4.8 A
AC adapter power requirements	: AC 100-240 V, 50/60 Hz, 2.5 A
Software and Firmware Version	: 1.1.6
Max Internal Clock Freq	: 594 MHz

5.2. Product description

GENERAL INFORMATION

Item		Description	
Model		DTM-M3150A	
OLED Panel	Description	31.5 Inch	
	Resolution	3840 x 2160 pixels	
	Display color	1.07 Billion colors	
	Pixel Pitch	0.1818 x 0.1818mm	
Brightness Contrast	Brightness	540 / 250 cd/m ² (Peak white / Full white)	
	Contrast	1,000,000 : 1 (Peak to Black)	
Display Size		(H) 697.92 x (V) 392.6mm	
Viewing Angle		R/L 178 degree, U/D 178 degree where CR>10	
Input / Output		Input	Output
		1 x DVI	
		2 x HDMI 2.0 4K	
		1 x Display port 1.4	
		1 x RS-232C	USB Power 5Vdc 1[A] max : x 4ports
		1 x USB B (SDC SIDNE Interface)	
Temperature	Operating	50° ~ 104°F (10° ~ 40°C)	
	Storage	0° ~ 140°F (-18° ~ 60°C)	
Power Supply	DC output	DC 24.0V / 6.25A	
	AC Input	AC 100~240V 50/60Hz	
Regulations (Refer to chapter 9)	Safety approvals	cULus, CB, CCC, CQC CB	
	EMC approvals	FCC, CE, RCM, CCC, UKCA	
	Water ingress protection	IP43	
Weight		typ 7 Kg (Monitor only)	
Unit Dimension		729.72(W) x 465.02(H) x 53.2(D) (mm) - Without stand	

5.3. PRELIMINARY TEST CONFIGURATIONS

The system was configured for testing in a typical fashion that a customer would normally use.

No modifications were made during testing.

5.4. MODE(S) OF OPERATION INVESTIGATED

Mode	Description
1. HDMI	H-Character display (3 840 x 2 160)
2. DVI	H-Character display (1 920 x 1 080)

5.5. Used DC Extension Cable for Test

Support Equipment List			
Description	Cable Length	Preliminary Test Mode	Remark
DC Extension Cable	75 ft	HDMI Mode and DVI Mode	Worst case
DC Extension Cable	15 ft		-

5.6. MODIFICATIONS

No modifications were made during testing.

5.7. RESULTS CONCLUSION

Test requirements	Applied standards	Results
Conducted emission	FCC Part15 Subpart B	Comply
Radiated emission (Below 1 GHz)	FCC Part15 Subpart B	Comply
Radiated emission (Above 1 GHz)	FCC Part15 Subpart B	Comply
Note : N/A		

5.8. TEST ENVIRONMENT AND CONDITIONS

Test requirements	Test Site	Test date (YY-MM-DD)	Temp (°C)	Humidity (% R.H)
Conducted emission	Shield room 5	22-05-03	24.1 ± 1	34.3 ± 1
Radiated emission (30 MHz ~ 1 GHz)	10 m Chamber	21-05-02	25.0 ± 1	34.1 ± 1
Radiated emission (1 GHz ~ 18 GHz)	10 m Chamber	21-05-02	24.3 ± 1	35.3 ± 1
Note : N/A				

5.9. DETAILS OF TESTED SYSTEM

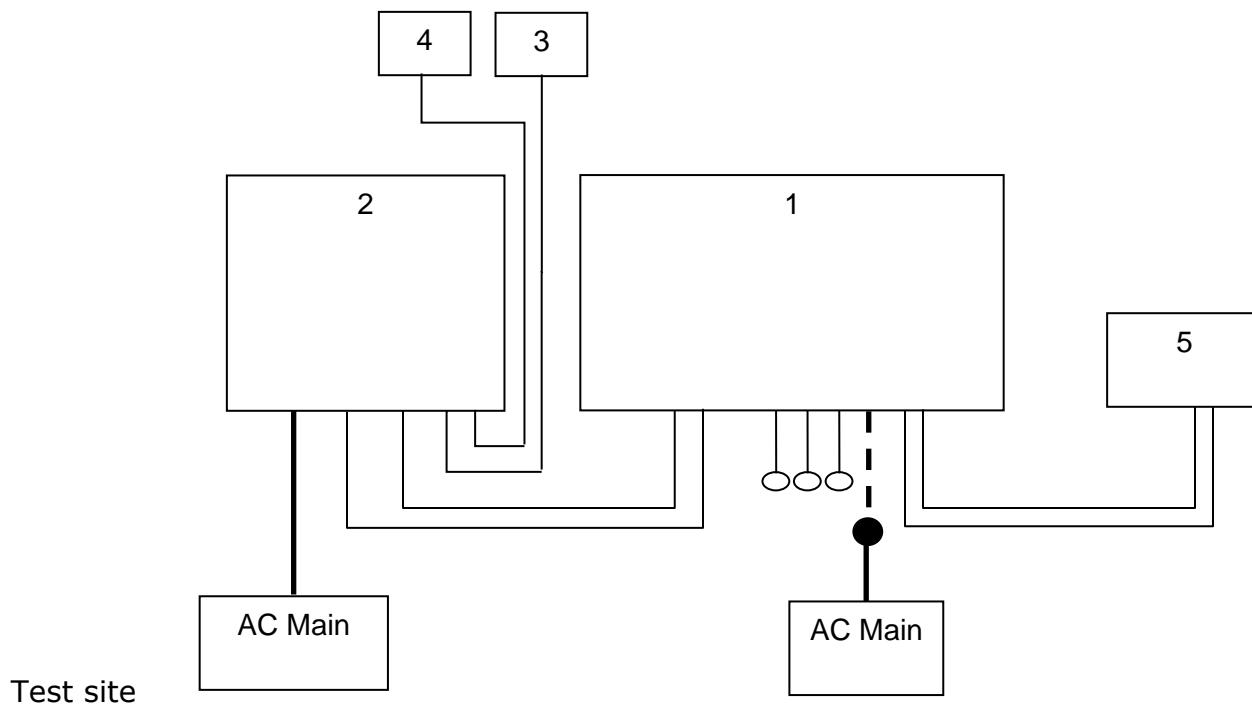
SUPPORT EQUIPMENT & PERIPHERALS

Support Equipment List					
Description	Manufacturer	Model	Serial Number	FCC ID/SDoC	Remark
32" 4K OLED Surgical Display	Stryker Endoscopy	0240-031-300	N/A	-	EUT
Adapter	BridgePower Corp.	BPM150S24F11	K220301804	-	For EUT
DC Extension Cable	BridgePower Corp.	240-030-952	N/A	N/A	For EUT (75 ft)
DC Extension Cable	BridgePower Corp.	240-030-951	N/A	N/A	For EUT (15 ft)
DC Extension Cable	BridgePower Corp.	1501047021	N/A	N/A	4P to 5P DC Extension Cable
USB 1 A Current Load Jig	N/A	N/A	N/A	N/A	Custom made for test
PC	Samsung	DM500TCZ	KKTC98EN7C 00RHM	SDoC	-
Keyboard	DELL	KB216t	N/A	SDoC	-
Mouse	IRIVER	IR-M1000	N/A	SDoC	-

I/O CABLES

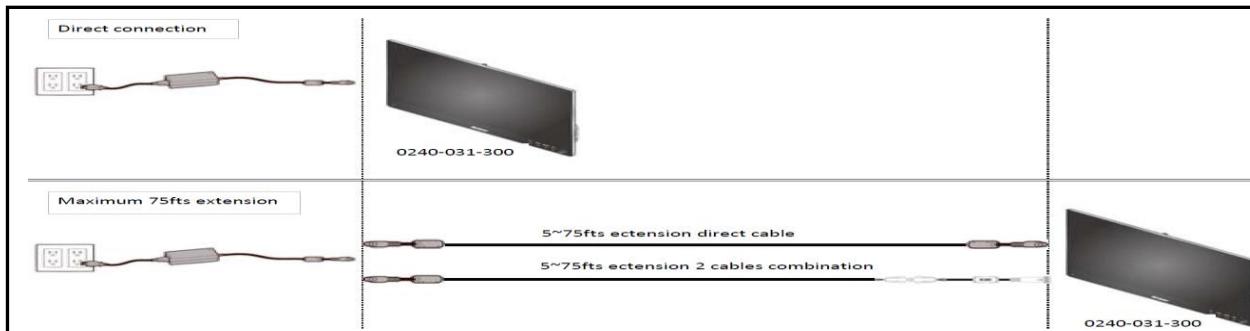
Cable No	I/O Cable List						
	Start		End		Cable		
	Name	I/O Port	Name	I/O Port	Cable Length (m)	Shield	With Ferrite
1	EUT	DC IN	Adapter	DC OUT	22.9	Shield	O
2	EUT	HDMI IN 1	PC	HDMI OUT	1.5	Shield	O
3	EUT	HDMI IN 2	Cable	-	1.2	Shield	O
4	EUT	DVI IN	PC	DVI OUT	1.5	Shield	O
5	EUT	SDC 4K HUB	Cable	-	1.2	Shield	X
6	EUT	RS 232	Cable	-	1.2	Shield	X
7	EUT	USB 1 (ACCESSORY POWER)	USB 1 A Current Load Jig	USB	1.0	Shield	X
8	EUT	USB 2 (ACCESSORY POWER)	USB 1 A Current Load Jig	USB	1.0	Shield	X
9	Adapter	AC IN	AC Main	AC OUT	-	-	-
10	PC	AC IN	AC Main	AC OUT	2.0	Unshield	O
11	PC	USB	Keyboard	-	1.2	Shield	X
12	PC	USB	Mouse	-	1.2	Shield	X

TEST SETUP DIAGRAM



Test site

- : Signal Line
- : Power Line
- : Cable
- : Adapter
- : Termination
- - - : DC Extension Cable
1. EUT
2. PC
3. Keyboard
4. Mouse
5. USB 1 A Current Load Jig



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	Manufacturer	Model	S/N	Cal Due
EMI TEST RECEIVER	R&S	ESW44	101848	2022.08.02
EMI Test Receiver	R&S	ESR3	102592	2022.08.02
Open Switch and Control Platform	R&S	OSP220	101456	N/A
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	1241	2023.08.29
HORN ANTENNA	ETS-Lindgren	3117	227047	2022.11.30
PRE-AMPLIFIER	R&S	SCU08F2	100725	2022.08.02
PRE-AMPLIFIER	R&S	SCU18F	100726	2022.08.02
LISN	R&S	ENV216	102478	2022.08.06
LISN	R&S	ENV216	102479	2022.08.06

7. APPLICABLE LIMITS AND TEST RESULTS

7.1. RADIATED EMISSIONS

TEST PROCEDURE

ANSI C63.4: 2014

The radiated disturbance was measured and set-up was made accordance with ANSI C63.4.

If the EUT is tabletop equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 3 m or 10 m away from the interference receiving antenna in the 10m semi-anechoic chamber.

Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height up to 0.15 m above the reference ground plane.

Rotate the EUT from (0 - 360) $^{\circ}$ and position the receiving antenna at heights from (1 - 4) m above the reference ground plane continuously to determine associated with higher emission levels and record them.

The measurement was made in both the vertical and horizontal polarization, and the maximum value is presented in the report.

For below 1 GHz frequency range, Quasi-Peak detector with 120 kHz RBW was used.

Also Peak and Average detector with 1 MHz RBW were used for above 1 GHz frequency range.

For further description of the configuration refer to the picture of the test set-up.

LIMIT

- The test frequency range of Radiated Disturbance measurements are listed below.

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 108	1 000
108 – 500	2 000
500 – 1 000	5 000
Above 1 000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

(1) Limit for Radiated Emission below 1 000 MHz

Frequency range (MHz)	Class A Equipment (10 m distance)	Class B Equipment (3 m distance)
	Quasi-peak (dB μ V/m)	Quasi-peak (dB μ V/m)
30 to 88	39.1	40
88 to 216	43.5	43.5
216 to 960	46.4	46
960 to 1 000	49.5	54

Note 1 The lower limit shall apply at the transition frequency.

Note 2 Additional provisions may be required for cases where interference occurs.

Note 3 According to 15.109(g), as an alternative to the radiated emission limit shown above, digital devices may be shown to comply with the standards(CISPR), Pub. 22 shown as below.

Frequency range (MHz)	Class A Equipment (10 m distance)	Class B Equipment (10 m distance)
	Quasi-peak (dB μ V/m)	Quasi-peak (dB μ V/m)
30 to 230	40	30
230 to 1 000	47	37

(2) Limits for Radiated Emission above 1 000 MHz at a measuring distance of 3 m

Frequency (GHz)	Class A Equipment		Class B Equipment	
	Peak (dB μ V/m)	Average (dB μ V/m)	Peak (dB μ V/m)	Average (dB μ V/m)
1 to 40	80	60	74	54

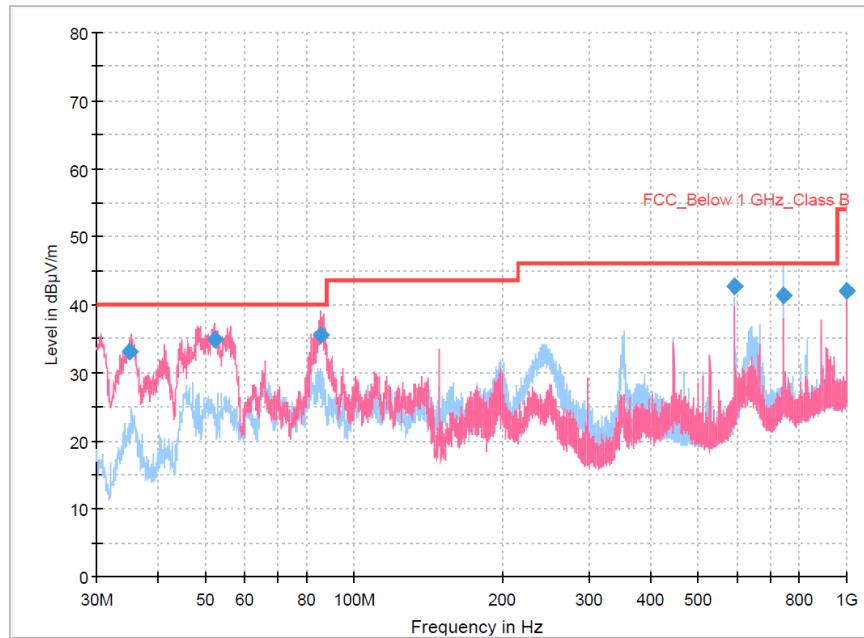
RESULTS

RADIATED EMISSIONS 30 to 1 000 MHz

[HDMI MODE]

Common Information

Test Description: 4790346853
Comment1: HDMI Mode



Final Result

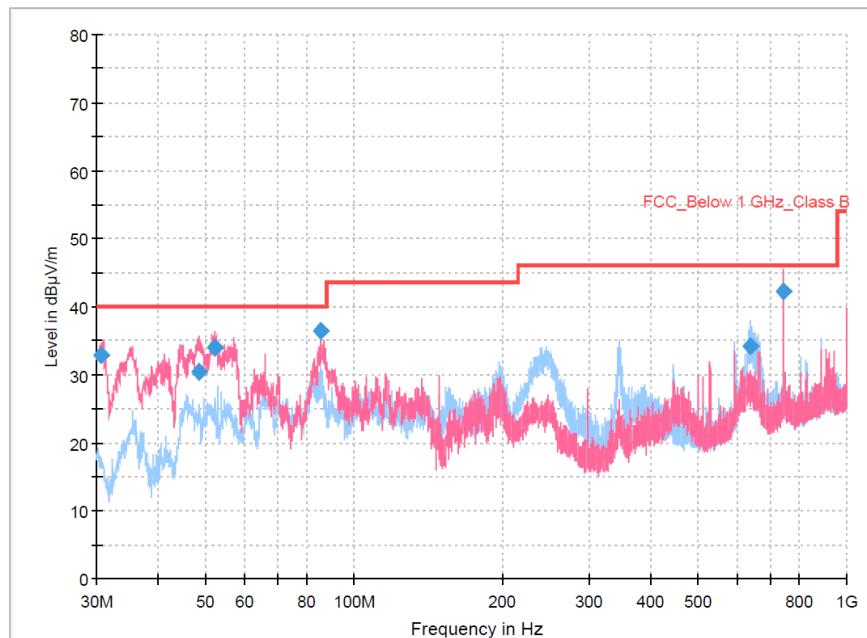
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.983500	33.15	40.00	6.85	103.0	V	169.0	-22.7
52.059000	34.83	40.00	5.17	102.0	V	247.0	-20.4
85.267000	35.59	40.00	4.41	114.0	V	248.0	-26.3
594.046500	42.70	46.00	3.30	111.0	H	202.0	-13.0
742.562000	41.39	46.00	4.61	109.0	H	0.0	-11.4
1000.000000	42.05	54.00	11.95	112.0	V	169.0	-9.7

[DVI MODE]

Common Information

Test Description:
Comment1:

4790346853
DVI Mode



Final Result

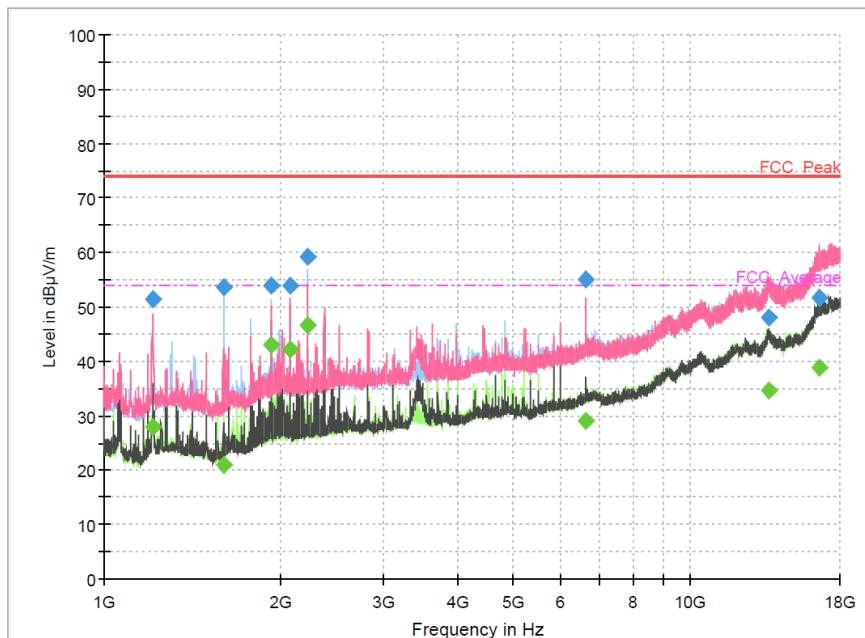
Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.561500	32.79	40.00	7.21	102.0	V	275.0	-23.4
48.489500	30.38	40.00	9.62	125.0	V	6.0	-20.5
52.124500	34.07	40.00	5.93	111.0	V	219.0	-20.4
85.335000	36.35	40.00	3.65	125.0	V	239.0	-26.3
638.608500	34.19	46.00	11.81	106.0	H	123.0	-13.1
742.562000	42.14	46.00	3.86	103.0	V	30.0	-11.4

RADIATED EMISSIONS 1 000 to 18 000 MHz

[HDMI MODE]

Common Information

Test Description: 4790346853
Comment1: HDMI Mode



Final Result PK+

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1214.600000	51.43	74.00	22.57	410.0	H	1.0	-9.0
1597.825000	53.54	74.00	20.46	176.0	H	162.0	-8.8
1930.525000	53.82	74.00	20.18	410.0	H	2.0	-4.7
2079.275000	53.85	74.00	20.15	192.0	V	285.0	-4.3
2227.600000	59.08	74.00	14.92	401.0	H	9.0	-3.9
6643.350000	54.93	74.00	19.07	102.0	V	94.0	7.9
13617.025000	48.18	74.00	25.82	201.0	H	39.0	15.8
16592.825000	51.65	74.00	22.35	274.0	H	122.0	21.9

Final Result CAV

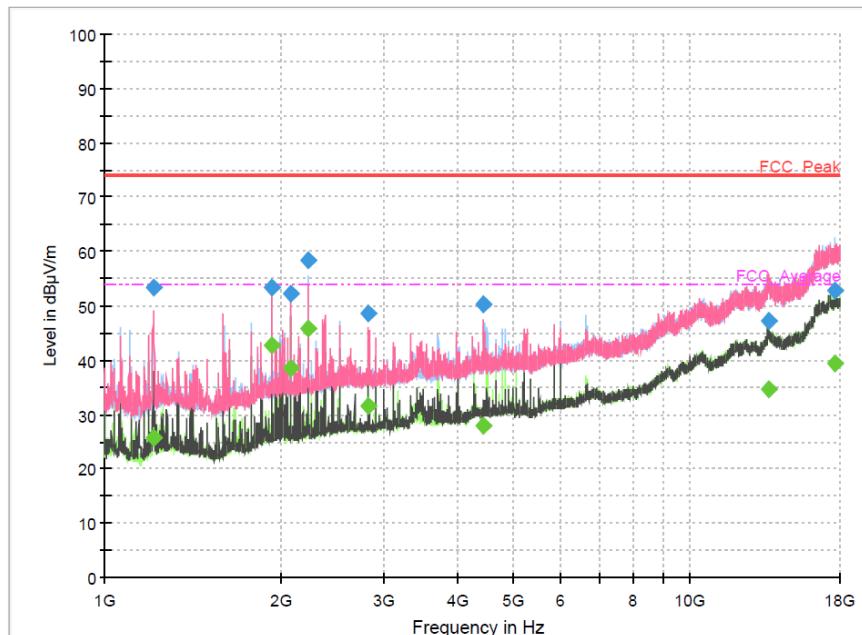
Frequency (MHz)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1214.600000	27.90	54.00	26.10	410.0	H	1.0	-9.0
1597.825000	20.90	54.00	33.10	176.0	H	162.0	-8.8
1930.525000	42.97	54.00	11.03	410.0	H	2.0	-4.7
2079.275000	42.23	54.00	11.77	192.0	V	285.0	-4.3
2227.600000	46.58	54.00	7.42	401.0	H	9.0	-3.9
6643.350000	29.16	54.00	24.84	102.0	V	94.0	7.9
13617.025000	34.58	54.00	19.42	201.0	H	39.0	15.8
16592.825000	38.96	54.00	15.04	274.0	H	122.0	21.9

[DVM1 MODE]

Common Information

Test Description:
Comment1:

4790346853
DVI Mode



Final Result PK+

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1214.625000	53.24	74.00	20.76	185.0	V	294.0	-9.0
1930.525000	53.48	74.00	20.52	404.0	H	5.0	-4.7
2078.875000	52.37	74.00	21.63	286.0	H	2.0	-4.3
2227.600000	58.47	74.00	15.53	396.0	H	4.0	-3.9
2821.575000	48.53	74.00	25.47	176.0	V	121.0	-1.6
4433.350000	50.15	74.00	23.85	282.0	V	132.0	3.1
13612.525000	47.19	74.00	26.81	325.0	V	327.0	15.8
17669.925000	52.74	74.00	21.26	325.0	H	107.0	23.1

Final Result CAV

Frequency (MHz)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1214.625000	25.61	54.00	28.40	185.0	V	294.0	-9.0
1930.525000	42.80	54.00	11.20	404.0	H	5.0	-4.7
2078.875000	38.41	54.00	15.59	286.0	H	2.0	-4.3
2227.600000	45.92	54.00	8.08	396.0	H	4.0	-3.9
2821.575000	31.56	54.00	22.44	176.0	V	121.0	-1.6
4433.350000	27.91	54.00	26.09	282.0	V	132.0	3.1
13612.525000	34.59	54.00	19.41	325.0	V	327.0	15.8
17669.925000	39.48	54.00	14.52	325.0	H	107.0	23.1

7.2. AC MAINS LINE CONDUCTED EMISSIONS

TEST PROCEDURE

ANSI C63.4: 2014

If the EUT is table top equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 0.4 m from the conducting wall of the shielded room.

Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height up to 0.15 m above the reference ground plane.

Connect the EUT's power source lines to the appropriate power mains / peripherals through the LISN. All the other peripherals are connected to the 2nd LISN, if any. Unused measuring port of the LISN was resistively terminated by 50 ohm terminator. The measuring port of the LISN for EUT was connected to spectrum analyzer. Using conducted emission test software, the emissions were scanned with peak detector mode. After scanning over the frequency range, suspected emissions were selected to perform final measurement. When performing final measurement, the receiver was used which has Quasi-Peak detector and Average detector.

By varying the configuration of the test sample and the cable routing it was attempted to maximize the emission.

For further description of the configuration refer to the picture of the test set-up

LIMIT

(1) Conducted disturbance at mains ports.

Frequency range (MHz)	Limits dB(µV)			
	Quasi-peak		Average	
	Class A	Class B	Class A	Class B
0.15 to 0.50	79	66 to 56	66	56 to 46
0.50 to 5	73	56	60	46
5 to 30		60		50

Note 1 The lower limit shall apply at the transition frequencies.
Note 2 The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

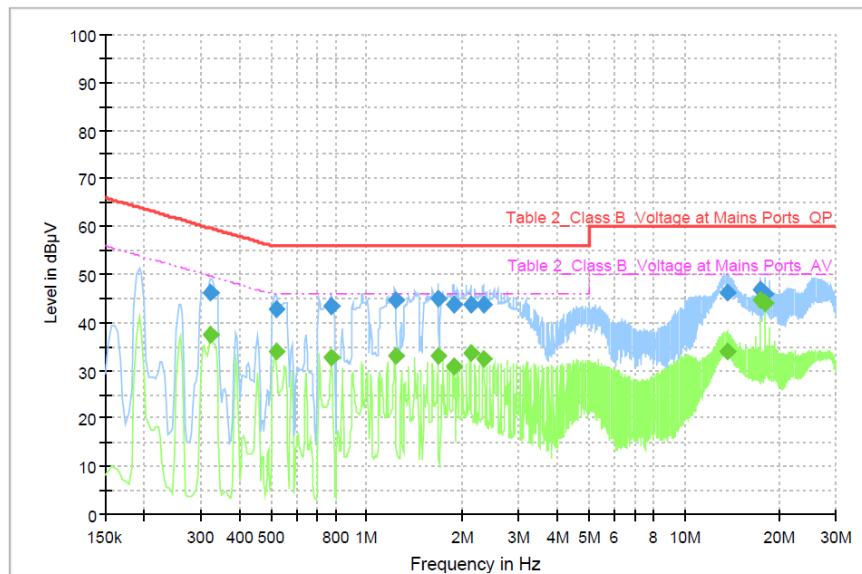
RESULTS

CONDUCTED EMISSIONS

[HDMI_L1]

Common Information

Test Description 4790346853
Comment1: HDMI Mode
Comment2: L1



Final Result QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.322500	46.22	59.64	13.42	L1	ON	9.7
0.516500	42.91	56.00	13.09	L1	ON	9.9
0.775250	43.43	56.00	12.57	L1	ON	9.8
1.229000	44.78	56.00	11.22	L1	ON	9.7
1.678750	44.91	56.00	11.09	L1	ON	9.7
1.874000	43.79	56.00	12.21	L1	ON	9.7
2.129000	43.82	56.00	12.18	L1	ON	9.7
2.327750	43.83	56.00	12.17	L1	ON	9.7
13.605833	46.35	60.00	13.65	L1	ON	9.8
17.397167	46.97	60.00	13.03	L1	ON	9.8
17.997333	45.99	60.00	14.01	L1	ON	9.8

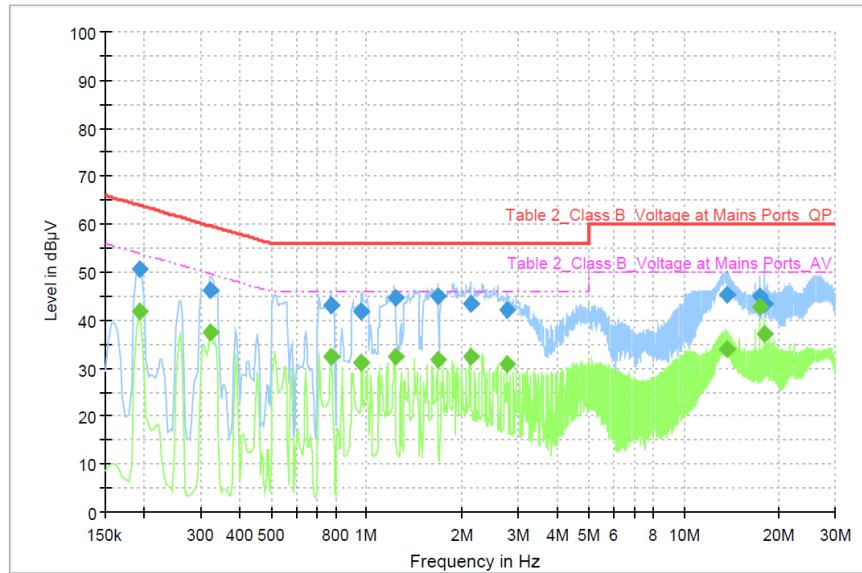
Final Result CAV

Frequency (MHz)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.322500	37.36	49.64	12.28	L1	ON	9.7
0.516500	34.07	46.00	11.93	L1	ON	9.9
0.775250	32.75	46.00	13.25	L1	ON	9.8
1.229000	33.13	46.00	12.87	L1	ON	9.7
1.678750	32.90	46.00	13.10	L1	ON	9.7
1.874000	30.74	46.00	15.26	L1	ON	9.7
2.129000	33.57	46.00	12.43	L1	ON	9.7
2.327750	32.29	46.00	13.71	L1	ON	9.7
13.605833	33.97	50.00	16.03	L1	ON	9.8
17.397167	44.58	50.00	5.42	L1	ON	9.8
17.997333	43.98	50.00	6.02	L1	ON	9.8

[HDMI_N]

Common Information

Test Description 4790346853
Comment1: HDMI Mode
Comment2: N



Final Result QPK

Frequency (MHz)	QuasiPeak (dB μ V)	Limit (dB μ V)	Margin (dB)	Line	Filter	Corr. (dB)
0.193000	50.48	63.91	13.42	N	ON	9.9
0.322500	46.18	59.64	13.47	N	ON	9.7
0.775000	43.15	56.00	12.85	N	ON	9.8
0.966250	41.89	56.00	14.11	N	ON	9.8
1.228750	44.63	56.00	11.37	N	ON	9.7
1.679000	44.82	56.00	11.18	N	ON	9.7
2.128750	43.38	56.00	12.62	N	ON	9.7
2.774000	42.07	56.00	13.93	N	ON	9.7
13.601500	45.35	60.00	14.65	N	ON	9.8
17.397500	44.96	60.00	15.04	N	ON	9.8
17.993500	43.35	60.00	16.65	N	ON	9.8

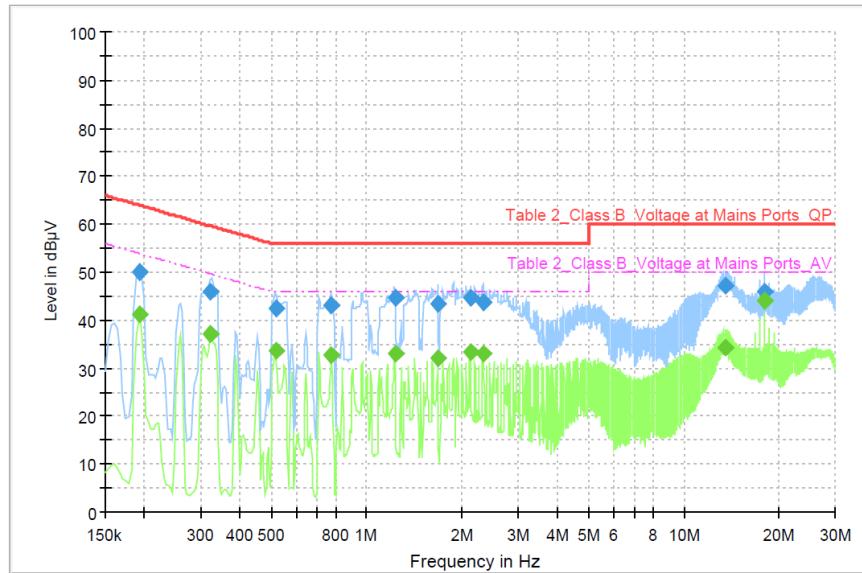
Final Result CAV

Frequency (MHz)	CAverage (dB μ V)	Limit (dB μ V)	Margin (dB)	Line	Filter	Corr. (dB)
0.193000	41.90	53.91	12.01	N	ON	9.9
0.322500	37.27	49.64	12.37	N	ON	9.7
0.775000	32.47	46.00	13.53	N	ON	9.8
0.966250	31.27	46.00	14.73	N	ON	9.8
1.228750	32.54	46.00	13.46	N	ON	9.7
1.679000	31.63	46.00	14.37	N	ON	9.7
2.128750	32.36	46.00	13.64	N	ON	9.7
2.774000	30.77	46.00	15.23	N	ON	9.7
13.601500	33.81	50.00	16.19	N	ON	9.8
17.397500	42.78	50.00	7.22	N	ON	9.8
17.993500	37.12	50.00	12.88	N	ON	9.8

[DVI_L1]

Common Information

Test Description 4790346853
Comment1: DVI Mode
Comment2: L1



Final Result QPK

Frequency (MHz)	QuasiPeak (dB μ V)	Limit (dB μ V)	Margin (dB)	Line	Filter	Corr. (dB)
0.193500	50.12	63.89	13.76	L1	ON	9.9
0.322500	46.01	59.64	13.64	L1	ON	9.7
0.516500	42.50	56.00	13.50	L1	ON	9.9
0.775000	43.13	56.00	12.87	L1	ON	9.8
1.229000	44.61	56.00	11.39	L1	ON	9.7
1.679000	43.54	56.00	12.46	L1	ON	9.7
2.125000	44.73	56.00	11.27	L1	ON	9.7
2.327750	43.80	56.00	12.20	L1	ON	9.7
13.485000	47.14	60.00	12.86	L1	ON	9.8
17.993167	46.00	60.00	14.00	L1	ON	9.8

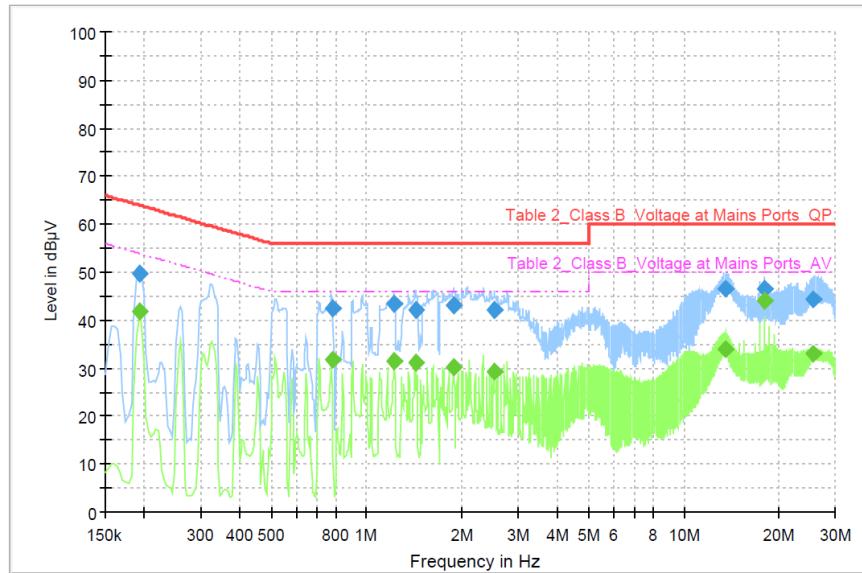
Final Result CAV

Frequency (MHz)	CAverage (dB μ V)	Limit (dB μ V)	Margin (dB)	Line	Filter	Corr. (dB)
0.193500	41.34	53.89	12.54	L1	ON	9.9
0.322500	36.99	49.64	12.65	L1	ON	9.7
0.516500	33.73	46.00	12.27	L1	ON	9.9
0.775000	32.65	46.00	13.35	L1	ON	9.8
1.229000	33.03	46.00	12.97	L1	ON	9.7
1.679000	32.13	46.00	13.87	L1	ON	9.7
2.125000	33.28	46.00	12.72	L1	ON	9.7
2.327750	32.96	46.00	13.04	L1	ON	9.7
13.485000	34.15	50.00	15.85	L1	ON	9.8
17.993167	44.00	50.00	6.00	L1	ON	9.8

[DVI_N]

Common Information

Test Description 4790346853
Comment1: DVI Mode
Comment2: N



Final Result QPK

Frequency (MHz)	QuasiPeak (dB μ V)	Limit (dB μ V)	Margin (dB)	Line	Filter	Corr. (dB)
0.193500	49.79	63.89	14.09	N	ON	9.9
0.779000	42.61	56.00	13.39	N	ON	9.8
1.225000	43.31	56.00	12.69	N	ON	9.7
1.424000	42.09	56.00	13.91	N	ON	9.7
1.877500	43.20	56.00	12.80	N	ON	9.7
2.526500	42.02	56.00	13.98	N	ON	9.7
13.510000	46.59	60.00	13.41	N	ON	9.8
17.980167	46.45	60.00	13.55	N	ON	9.8
25.531167	44.21	60.00	15.79	N	ON	9.9

Final Result CAV

Frequency (MHz)	CAverage (dB μ V)	Limit (dB μ V)	Margin (dB)	Line	Filter	Corr. (dB)
0.193500	41.67	53.89	12.22	N	ON	9.9
0.779000	31.63	46.00	14.37	N	ON	9.8
1.225000	31.54	46.00	14.46	N	ON	9.7
1.424000	31.10	46.00	14.90	N	ON	9.7
1.877500	30.26	46.00	15.74	N	ON	9.7
2.526500	29.36	46.00	16.64	N	ON	9.7
13.510000	33.81	50.00	16.19	N	ON	9.8
17.980167	44.17	50.00	5.83	N	ON	9.8
25.531167	32.94	50.00	17.06	N	ON	9.9

END OF REPORT

Page 25 of 25