



EMC TEST REPORT

Product Name: DTEN D7X 55"

Model Name: DBR1455, DBR1455-WB, DBR1455-S1

FCC ID: 2AQ7Q-DBR1455

Issued For : DTEN Inc

97 E Brokaw Road suite 180 San Jose CA 95112

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Chen Hsong Industrial Park,
No.177 Renmin West Road, Jinsha Community, Kengzi Street,
Pingshan New District, Shenzhen, China

Report Number: LGT22I066EM03

Sample Received Date: Sep. 28, 2022

Date of Tested: Sep. 28, 2022 – Jan.13, 2023

Date of Issue: Jan.13, 2023

The test report is effective only with both signature and specialized stamp. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report only apply to the tested sample.



TEST REPORT CERTIFICATION

Applicant DTEN Inc
Address 97 E Brokaw Road suite 180 San Jose CA 95112
Manufacture DTEN Inc
Address 97 E Brokaw Road suite 180 San Jose CA 95112
Product Name DTEN D7X 55"
Trademark DTEN
Model Name DBR1455, DBR1455-WB, DBR1455-S1
Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR Part 15 Subpart B ANSI C63.4-2014	PASS

Prepared by:

Terry Zhao
Engineer

Approved by:

Vita Li
Technical Director





Table of Contents

1. TEST SUMMARY	5
1.1 TEST LABORATORY	6
1.2 MEASUREMENT UNCERTAINTY	6
2. GENERAL INFORMATION	7
2.1 GENERAL DESCRIPTION OF THE EUT	7
2.2 DESCRIPTION OF THE TEST MODES	8
2.3 DESCRIPTION OF THE SUPPORT UNITS	8
2.5 MEASUREMENT INSTRUMENTS LIST	9
3. EMC EMISSION TEST	10
3.1 CONDUCTED EMISSION MEASUREMENT	10
3.2 RADIATED EMISSION MEASUREMENT	14
APPENDIX I - TEST SETUP	28



Revision History

Rev.	Issue Date	Revisions
00	Jan.13, 2023	Initial Issue



1. TEST SUMMARY

EMC Emission				
Standard	Test Item	Limit	Judgement	Remark
FCC 47 CFR Part 15 Subpart B ANSI C63.4-2014	Conducted Emissions	Class B	PASS	
	Radiated Emissions Below 1GHz	Class B	PASS	
	Radiated Emissions Above 1GHz	Class B	PASS	Note 1 Note 2

Note:

- 1 "N/A" denotes test is not applicable in this Test Report
- 2 If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.
- 3 For model DBR1455, DBR1455-WB and DBR1455-S1, the TP Board have three types of A, B and C, the TP control board have two types of A and B, this do not affect RF parameters. DBR1455 with TP Board type A and TP control board type A was selected as the typical model for all necessary tests performed, TP Board type B and TP control board type B only performed RE, RS, CS & EFT tests, TP Board type C and TP control board type A only performed RE, RS, CS & EFT tests. For the details of type A&B&C, please refer to the EUT photos.

**1.1 TEST LABORATORY**

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Chen Hsong Industrial Park, No.177 Renmin West Road, Jinsha Community, Kengzi Street, Pingshan New District, Shenzhen, China
Accreditation Certificate	A2LA Certificate No.: 6727.01
	FCC Registration No.: 746540
	CAB ID: CN0136

1.2 MEASUREMENT UNCERTAINTY

Test Item	Measurement Frequency Range MHz	Uncertainty dB
Conducted Emissions at AC mains power port	0.009 ~ 30	2.80
Radiated Emissions	0.009 ~ 30	2.16
Radiated Emissions	30 ~ 1000	4.40
Radiated Emissions	1000 ~ 6000	5.10
Radiated Emissions	6000 ~ 18000	5.49
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.		



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	DTEN D7X 55"
Trademark	DTEN
Model Name	DBR1455
Series Model	DBR1455-WB, DBR1455-S1
Model Difference	DBR1455 and DBR1455-S1 have different model names and packaging methods of delivery. DBR1455-WB reduces AV Bar on the basis of DBR1455.
Rated Input	Input: AC 100-240V~ 50/60Hz 3.0A
Test voltage	AC 120V/60Hz
Hardware Version	RK3588.6 Ver:1.3
Software Version	0.5.9

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operating mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Test Mode	Description
Mode 1	HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+ 2.4GHz Wi-Fi operating
Mode 2	HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+ 5GHz Wi-Fi operating
Mode 3	HDMI OUT+USB+LAN +Camera+Headset+6GHz Wi-Fi operating

Note: Only the data of worst-case mode 1 was recorded in this report.

2.3 DESCRIPTION OF THE SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Accessories Equipment

Description	Manufacturer	Model	S/N	Rating
USB C-to-C cable	DTEN	N/A	N/A	1.9m, shielded
stylus	DTEN	N/A	N/A	N/A
Power cord	XIEKANG ELECTRONIC	N/A	N/A	3m, US plug
Camera	DTEN	N/A	N/A	2pcs

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Keyboard	Lenovo	EKB-536A	N/A	N/A
Mouse	Lenovo	EMS-537A	N/A	N/A
USB Flash disk	Hewlett-Packard	V206	N/A	2pcs
Laptop	HUAWEI	HKF-16	N/A	N/A
HDMI cable	GIMI	E81280-D	N/A	1.8m, shielded
HDMI cable	SONY	N/A	N/A	1.1m, shielded
Monitor	HKC	T275IU	N/A	N/A
Earphone	N/A	39630078	N/A	N/A
RJ45 cable	N/A	N/A	N/A	1m, unshielded
Router	CHINA TELECOM	WTA541	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.5 MEASUREMENT INSTRUMENTS LIST

Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2022.04.12	2023.04.11
LISN	COM-POWER	LI-115	02032	2022.04.13	2023.04.12
LISN	SCHWARZBECK	NNLK 8121	00847	2022.08.19	2023.08.18
CE Cable	N.A	C01	N.A	2022.05.05	2023.05.04
Transient Limiter	CYBERTEK	EM5010A	E2250100049	2022.08.19	2023.08.18
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Testing Software	EMC-I_V1.4.0.3_SKET				
Radiated Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2022.04.12	2023.04.11
Spectrum Analyzer	Keysight	N9020A	MY50530994	2022.12.09	2023.12.08
Spectrum Analyzer	Keysight	N9010B	MY60242508	2022.04.29	2023.04.28
Active loop Antenna	R&S	HFH2-Z2	POS871398181	2022.06.02	2024.06.01
Bilog Antenna	SCHWARZBECK	VULB 9168	01447	2022.12.12	2024.12.11
Horn Antenna	SCHWARZBECK	3115	10SL0060	2022.06.02	2024.06.01
Pre-amplifier(0.1M-3GHz)	HP	8447D	2727A05655	2022.04.11	2023.04.10
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2022.04.13	2023.04.12
RE Cable (9K-1G)	N.A	R01	N.A	2022.05.05	2023.05.04
RE Cable (1-26G)	N.A	R02	N.A	2022.05.05	2023.05.04
Temperature & Humidity	KTJ	TA218B	N.A	2022.05.05	2023.05.04
Testing Software	EMC-I_V1.4.0.3_SKET				



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 LIMITS

FREQUENCY (MHz)	Conducted Emission Limits (dBuV)			
	Class A		Class B	
	Quasi-peak	Average	Quasi-peak	Average
0.15 ~ 0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.5 ~ 5	73.00	60.00	56.00	46.00
5 ~ 30	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor
Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

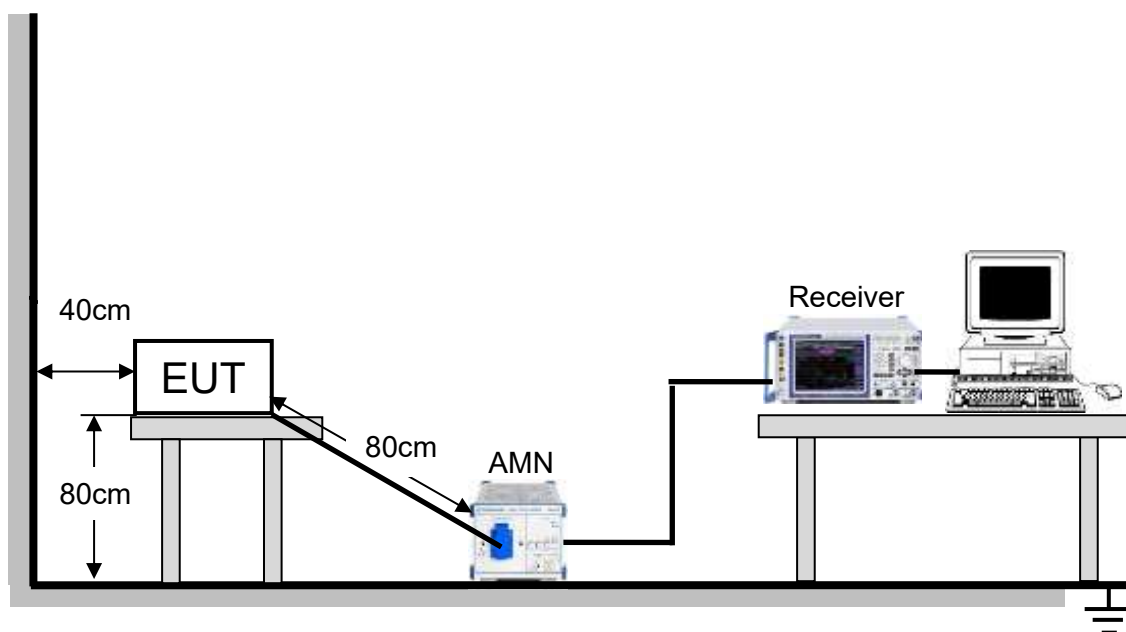
Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item - EUT Test Photos.



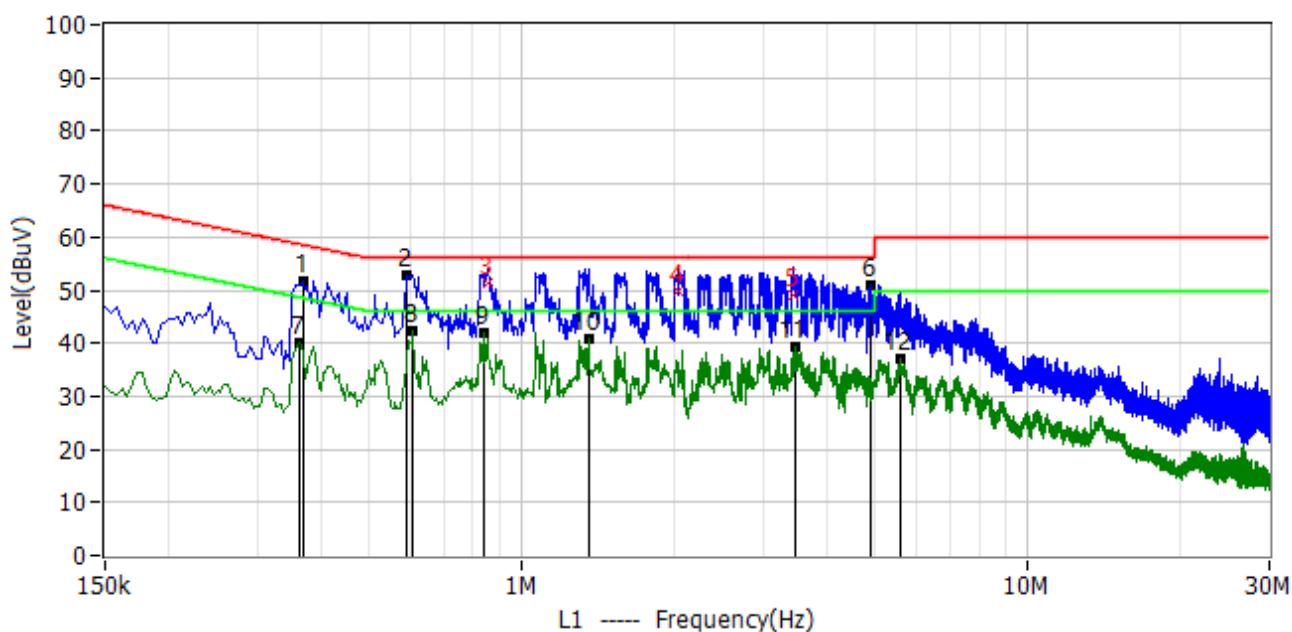
3.1.3 TEST SETUP





3.1.4 TEST RESULTS

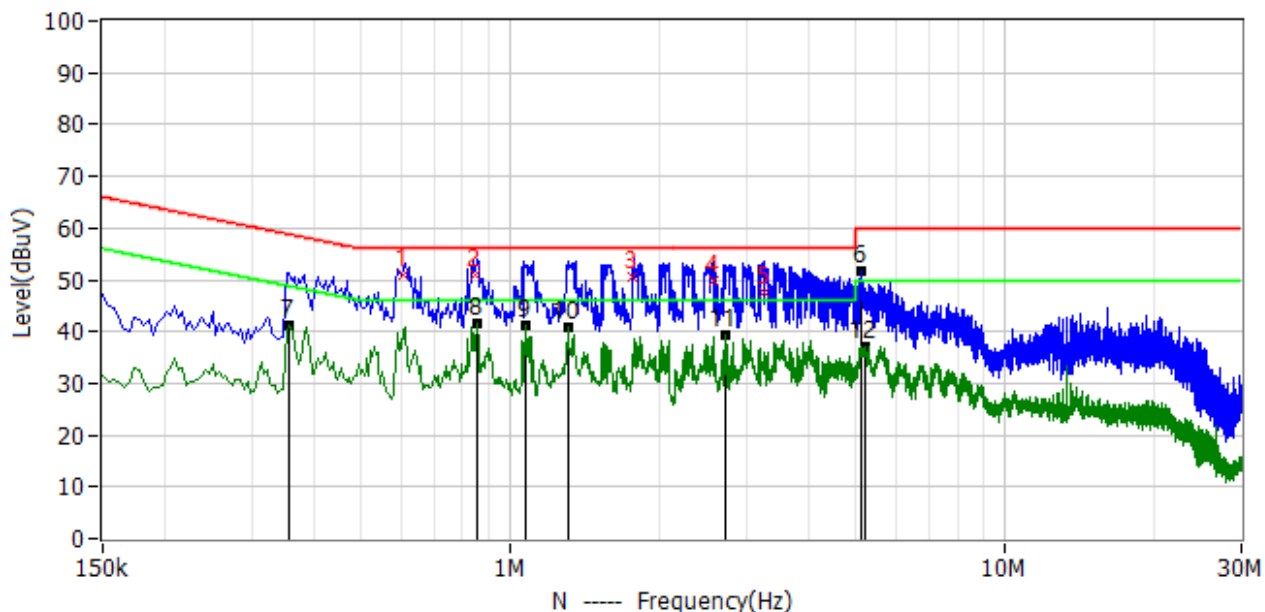
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Temperature: 28°C
M/N: DBR1455	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-09-29
Test Mode: HDMI IN+HDMI OUT+Type-C+USB+LAN+Headset+MIC+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type A+TP Control Board_type A	



No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1*	370.000kHz	41.11	10.50	51.61	58.50	-6.89	PK	L1
2*	594.000kHz	42.30	10.51	52.81	56.00	-3.19	PK	L1
3	858.000kHz	40.84	10.50	51.34	56.00	-4.66	QP	L1
4	2.034MHz	39.00	10.70	49.70	56.00	-6.30	QP	L1
5	3.442MHz	38.09	10.80	48.89	56.00	-7.11	QP	L1
6*	4.882MHz	40.07	10.82	50.89	56.00	-5.11	PK	L1
7*	362.000kHz	29.70	10.50	40.20	48.68	-8.48	AV	L1
8*	610.000kHz	31.66	10.51	42.17	46.00	-3.83	AV	L1
9*	838.000kHz	31.41	10.52	41.93	46.00	-4.07	AV	L1
10*	1.354MHz	30.19	10.60	40.79	46.00	-5.21	AV	L1
11*	3.458MHz	28.50	10.78	39.28	46.00	-6.72	AV	L1
12*	5.598MHz	26.15	10.83	36.98	50.00	-13.02	AV	L1



Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Temperature: 28°C
M/N: DBR1455	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2022-09-29
Test Mode: HDMI IN+HDMI OUT+Type-C+USB+LAN+Headset+MIC+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type A+TP Control Board_type A	



No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1	610.000kHz	40.52	10.50	51.02	56.00	-4.98	QP	N
2	850.000kHz	40.54	10.50	51.04	56.00	-4.96	QP	N
3	1.770MHz	39.95	10.70	50.65	56.00	-5.35	QP	N
4	2.586MHz	39.02	10.80	49.82	56.00	-6.18	QP	N
5	3.262MHz	36.94	10.80	47.74	56.00	-8.26	QP	N
6*	5.110MHz	40.80	10.82	51.62	60.00	-8.38	PK	N
7*	358.000kHz	30.64	10.50	41.14	48.77	-7.64	AV	N
8*	854.000kHz	30.88	10.52	41.40	46.00	-4.60	AV	N
9*	1.070MHz	30.72	10.54	41.26	46.00	-4.74	AV	N
10*	1.306MHz	30.37	10.59	40.96	46.00	-5.04	AV	N
11*	2.730MHz	28.53	10.76	39.29	46.00	-6.71	AV	N
12*	5.218MHz	26.30	10.83	37.13	50.00	-12.87	AV	N



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS

Below 1 GHz

Frequency (MHz)	Class A	Class B
	Field strength (dBuV/m) (at 3m)	Field strength (dBuV/m) (at 3m)
30 - 88	49.5	40
88 - 216	53.9	43.5
216 - 960	56.9	46
Above 960	60	54

Above 1 GHz

Frequency (MHz)	Class A		Class B	
	Field strength (dBuV/m) (at 3m)		Field strength (dBuV/m) (at 3m)	
	Peak	Average	Peak	Average
Above 1000	80	60	74	54

Frequency Range of Radiated Disturbance Measurement

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Note:

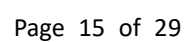
- (1) The limit for radiated test was performed according to FCC Part 15, Subpart B;
- (2) The tighter limit applies at the band edges;
- (3) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor,
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use),
 Margin Level = Measurement Value - Limit Value.

3.2.2 TEST PROCEDURE

- a. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. EUT as the center to the edge of the auxiliary device, the distance from the maximum edge to the center of the antenna is 3 meter.
- c. The height of antenna is varied from 1 meter to 4 meter above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meter and the rotatable table was turned from 0 degrees to 360 degree to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.



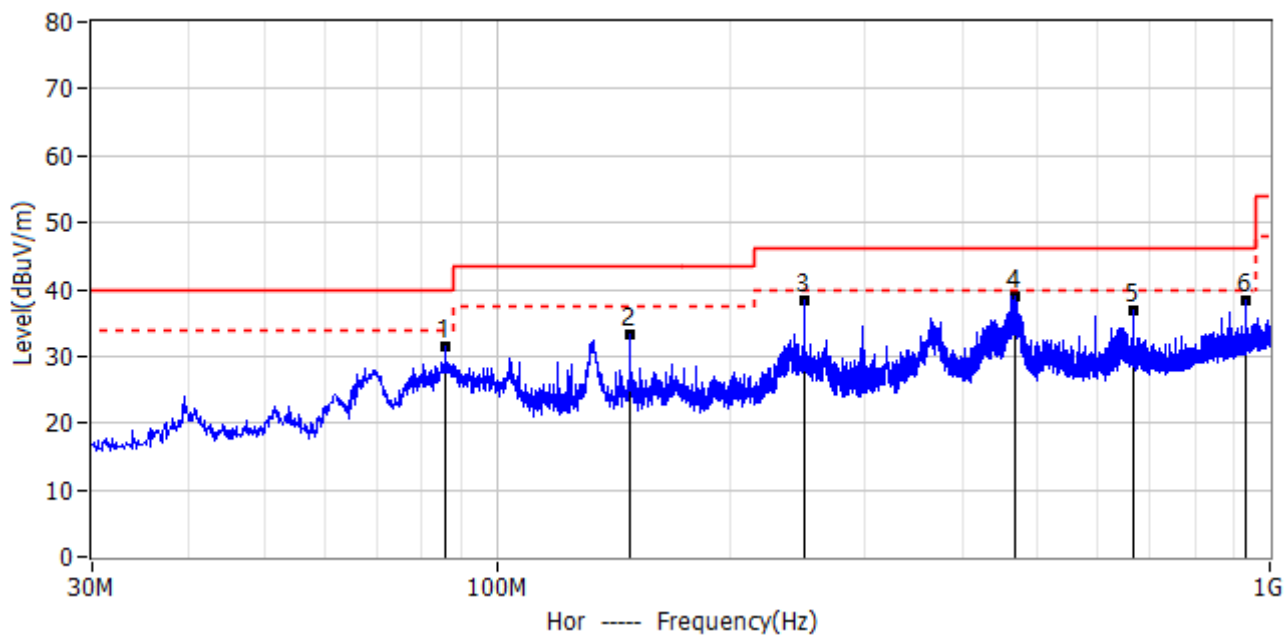
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz





3.2.4 TEST RESULTS - BELOW 1GHZ

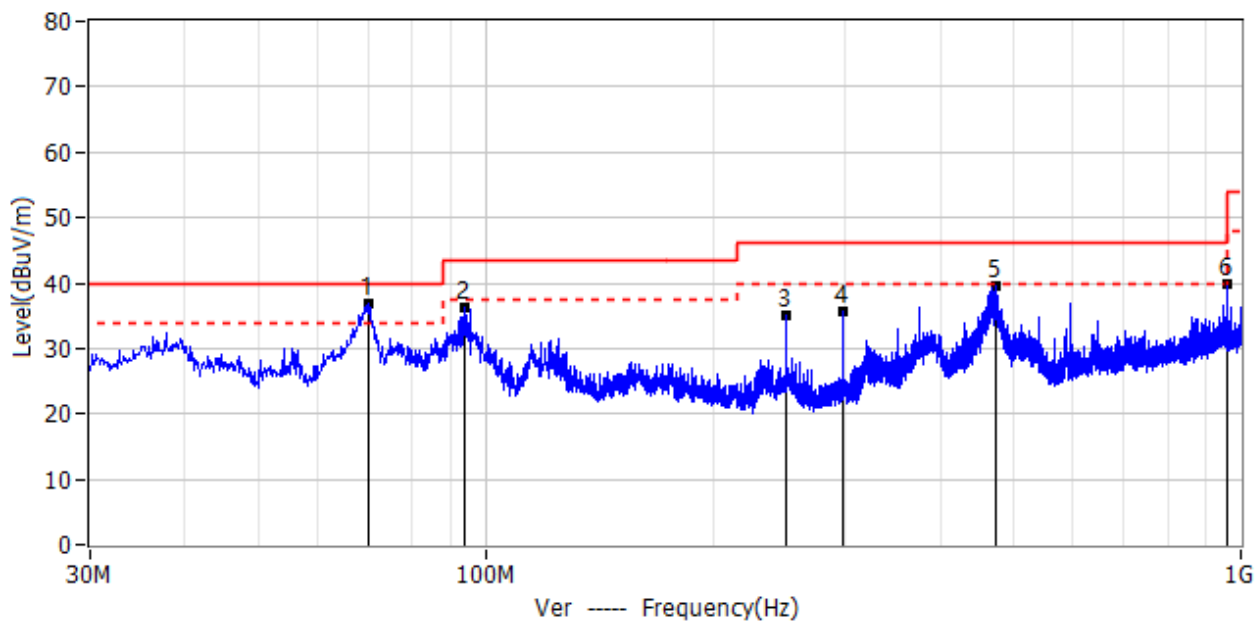
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 36%RH
Temperature: 24.9°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-18
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type A+TP Control Board_type A	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	85.896MHz	21.83	9.51	31.34	40.00	-8.66	PK	Hor
2*	148.461MHz	19.16	14.07	33.23	43.50	-10.27	PK	Hor
3*	249.948MHz	25.86	12.56	38.42	46.00	-7.58	PK	Hor
4*	468.561MHz	20.12	18.79	38.91	46.00	-7.09	PK	Hor
5*	666.563MHz	13.62	23.14	36.76	46.00	-9.24	PK	Hor
6*	933.191MHz	11.12	27.33	38.45	46.00	-7.55	PK	Hor



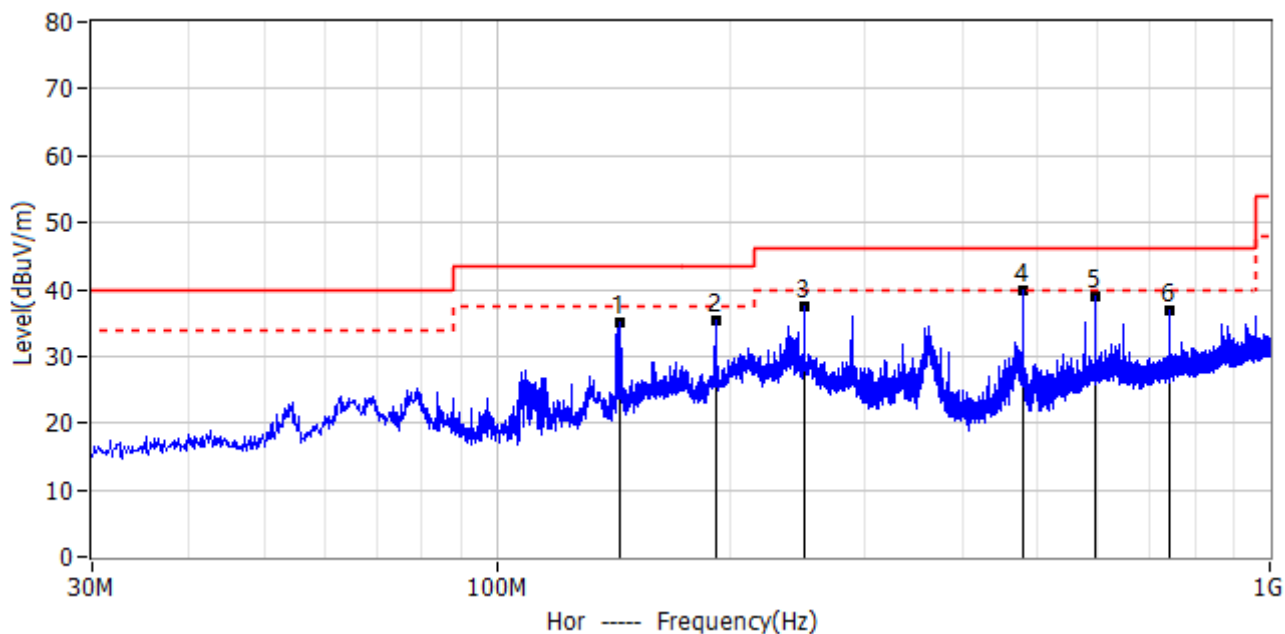
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 36%RH
Temperature: 24.9°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-18
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type A+TP Control Board_type A	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	70.013MHz	25.31	11.52	36.83	40.00	-3.17	PK	Ver
2*	94.020MHz	26.39	9.79	36.18	43.50	-7.32	PK	Ver
3*	249.948MHz	22.59	12.56	35.15	46.00	-10.85	PK	Ver
4*	296.993MHz	21.28	14.32	35.60	46.00	-10.40	PK	Ver
5*	472.805MHz	20.80	18.85	39.65	46.00	-6.35	PK	Ver
6*	960.109MHz	12.19	27.78	39.97	54.00	-14.03	PK	Ver



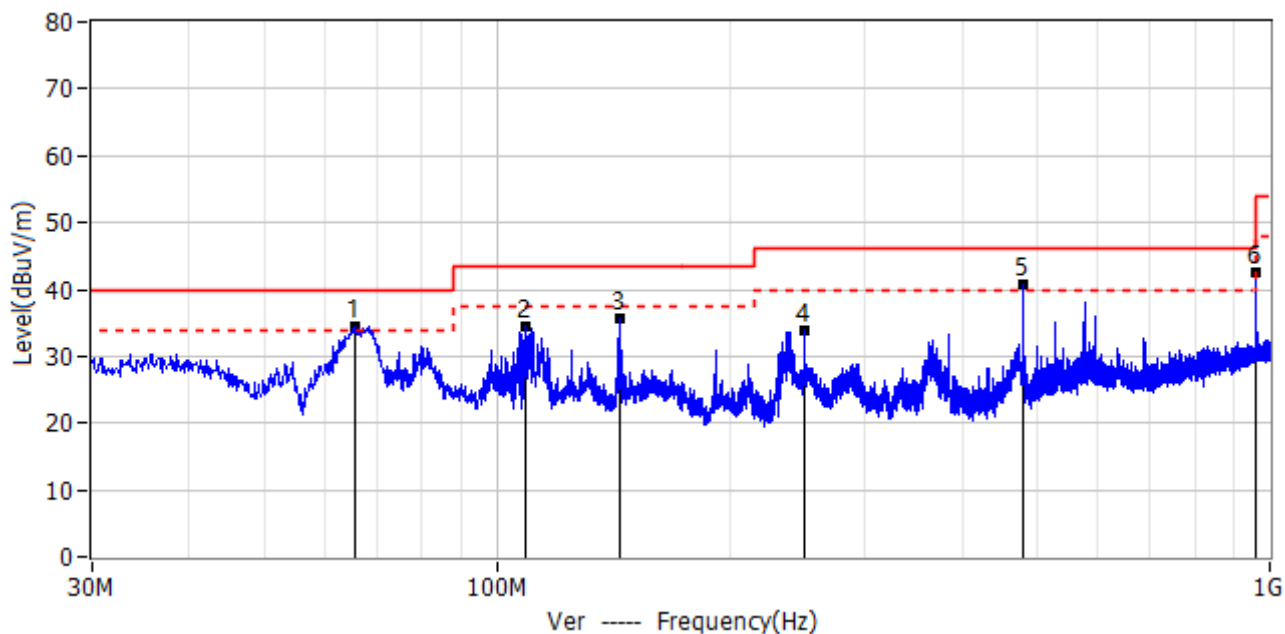
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 42%RH
Temperature: 24.9°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-25
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type B+TP Control Board_type B	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	143.975MHz	21.48	13.69	35.17	43.50	-8.33	PK	Hor
2*	191.990MHz	24.13	11.30	35.43	43.50	-8.07	PK	Hor
3*	249.948MHz	24.92	12.56	37.48	46.00	-8.52	PK	Hor
4*	480.080MHz	20.84	18.96	39.80	46.00	-6.20	PK	Hor
5*	594.055MHz	16.94	21.99	38.93	46.00	-7.07	PK	Hor
6*	742.586MHz	12.15	24.67	36.82	46.00	-9.18	PK	Hor



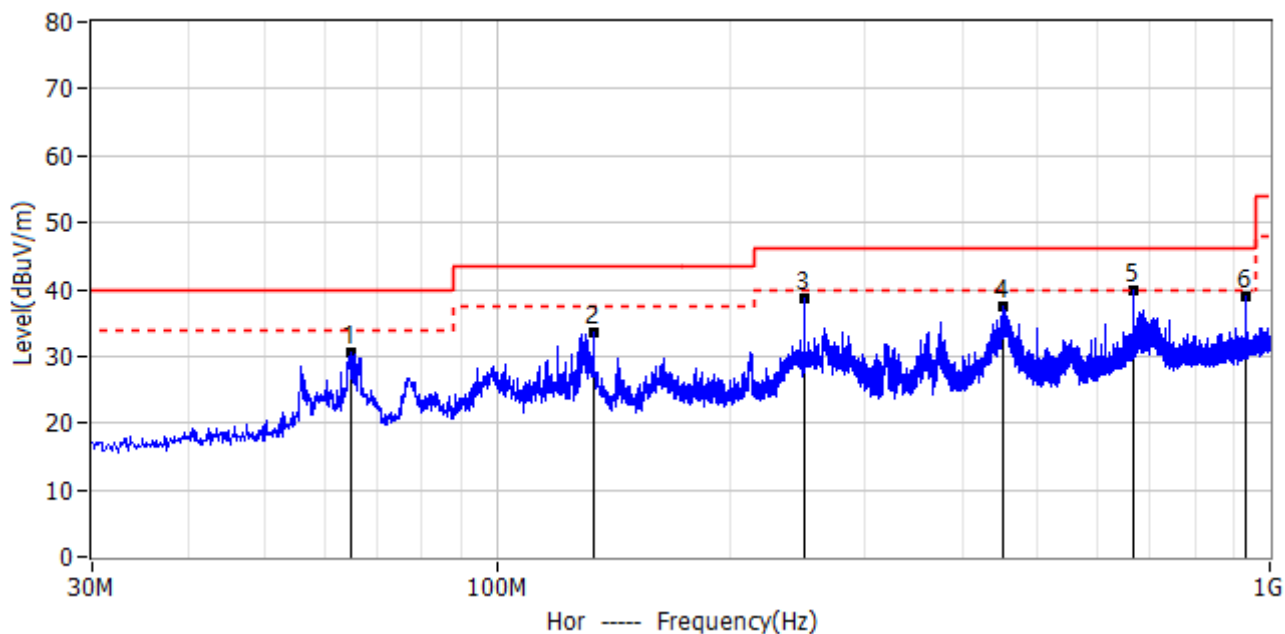
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 42%RH
Temperature: 24.9°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-25
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type B+TP Control Board_type B	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	65.526MHz	22.16	12.25	34.41	40.00	-5.59	PK	Ver
2*	108.813MHz	23.33	11.05	34.38	43.50	-9.12	PK	Ver
3*	143.975MHz	22.09	13.69	35.78	43.50	-7.72	PK	Ver
4*	249.948MHz	21.36	12.56	33.92	46.00	-12.08	PK	Ver
5*	480.080MHz	21.75	18.96	40.71	46.00	-5.29	PK	Ver
6*	959.988MHz	14.65	27.78	42.43	46.00	-3.57	PK	Ver



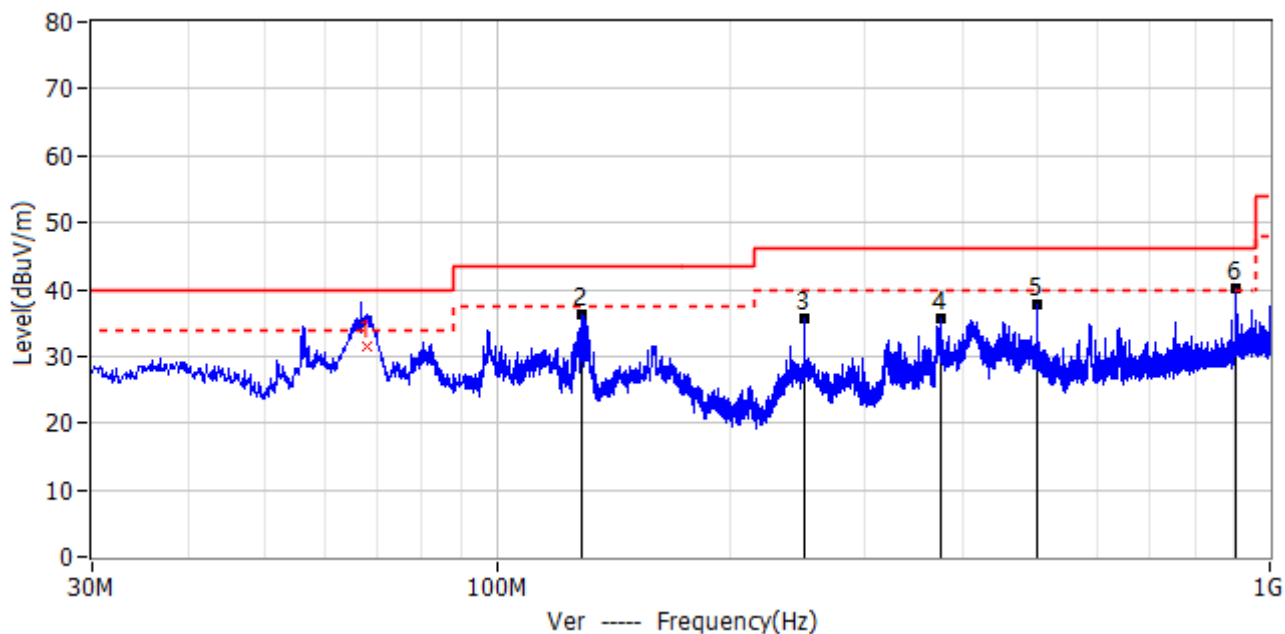
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 43%RH
Temperature: 25.2°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-25
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type C+TP Control Board_type A	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	64.678MHz	18.05	12.39	30.44	40.00	-9.56	PK	Hor
2*	133.305MHz	20.37	13.07	33.44	43.50	-10.06	PK	Hor
3*	249.948MHz	26.11	12.56	38.67	46.00	-7.33	PK	Hor
4*	452.556MHz	19.01	18.54	37.55	46.00	-8.45	PK	Hor
5*	666.563MHz	16.81	23.14	39.95	46.00	-6.05	PK	Hor
6*	933.191MHz	11.55	27.33	38.88	46.00	-7.12	PK	Hor



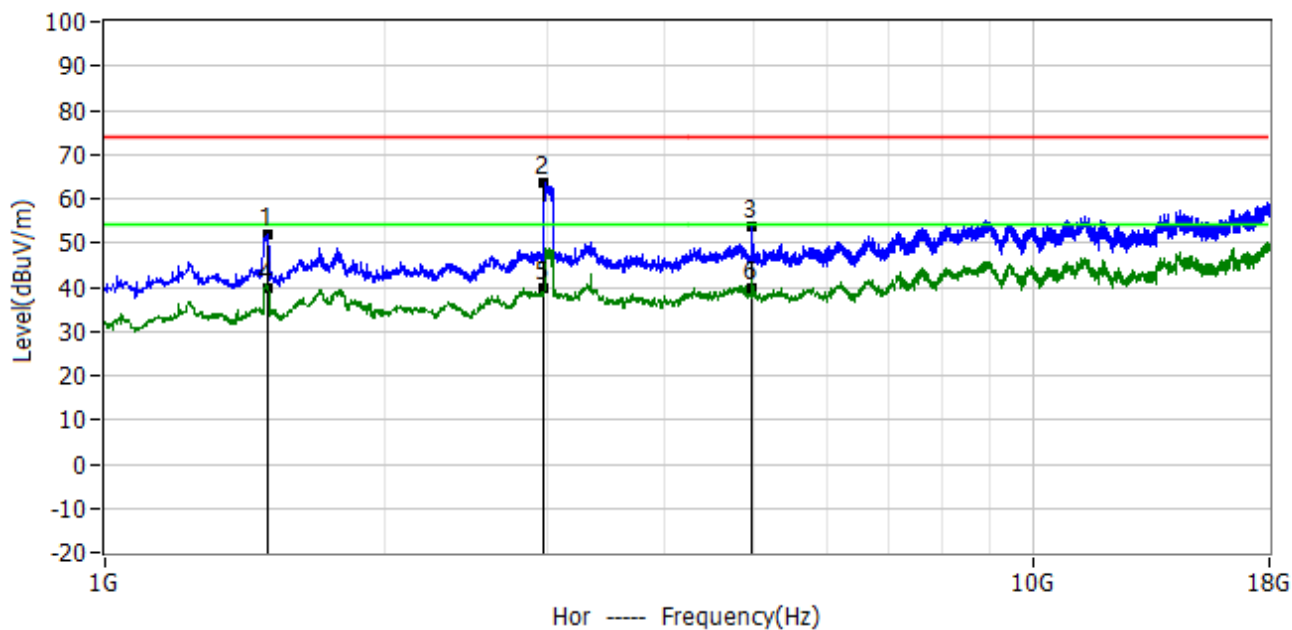
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 42%RH
Temperature: 24.9°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-25
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type C+TP Control Board_type A	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1	67.851MHz	19.62	11.90	31.52	40.00	-8.48	QP	Ver
2*	129.061MHz	23.39	12.86	36.25	43.50	-7.25	PK	Ver
3*	249.948MHz	23.14	12.56	35.70	46.00	-10.30	PK	Ver
4*	375.078MHz	19.10	16.46	35.56	46.00	-10.44	PK	Ver
5*	499.965MHz	18.48	19.27	37.75	46.00	-8.25	PK	Ver
6*	904.698MHz	13.50	26.69	40.19	46.00	-5.81	PK	Ver



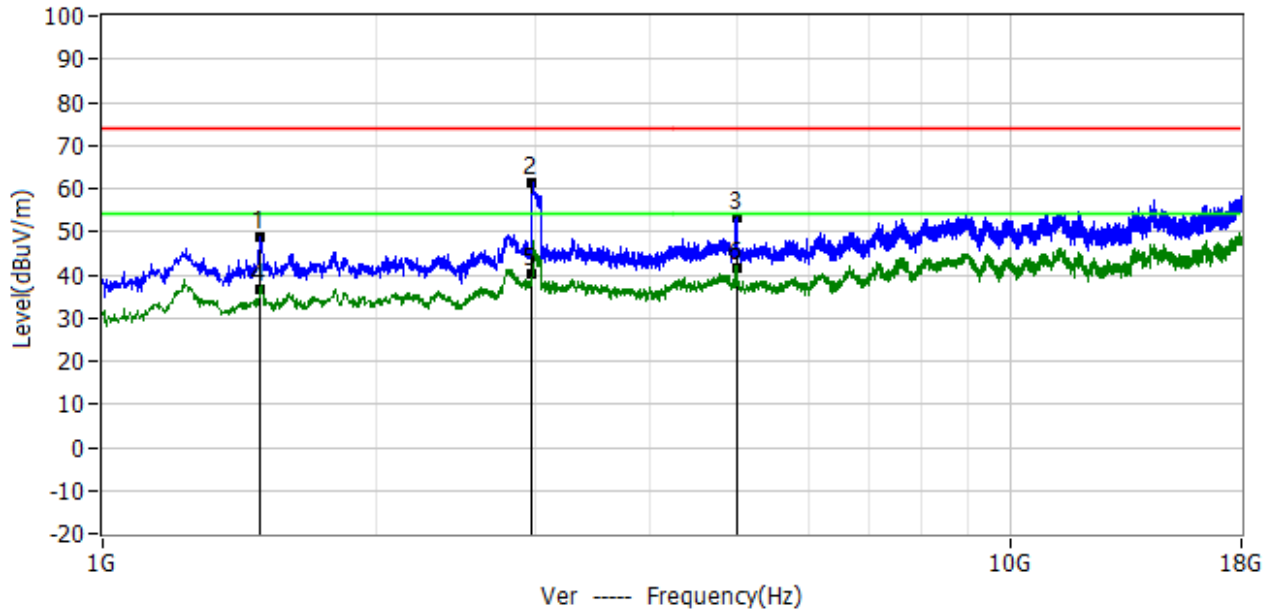
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 42%RH
Temperature: 24°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-25
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type A+TP Control Board_type A	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.497GHz	72.94	-20.85	52.09	74.00	-21.91	PK	Hor
2*	2.976GHz	72.28	-8.47	63.81	74.00	-10.19	PK	Hor
3*	4.980GHz	59.77	-6.12	53.65	74.00	-20.35	PK	Hor
4*	1.497GHz	60.85	-20.85	40.00	54.00	-14.00	AV	Hor
5*	2.976GHz	48.37	-8.47	39.90	54.00	-14.10	AV	Hor
6*	4.980GHz	45.92	-6.12	39.80	54.00	-14.20	AV	Hor



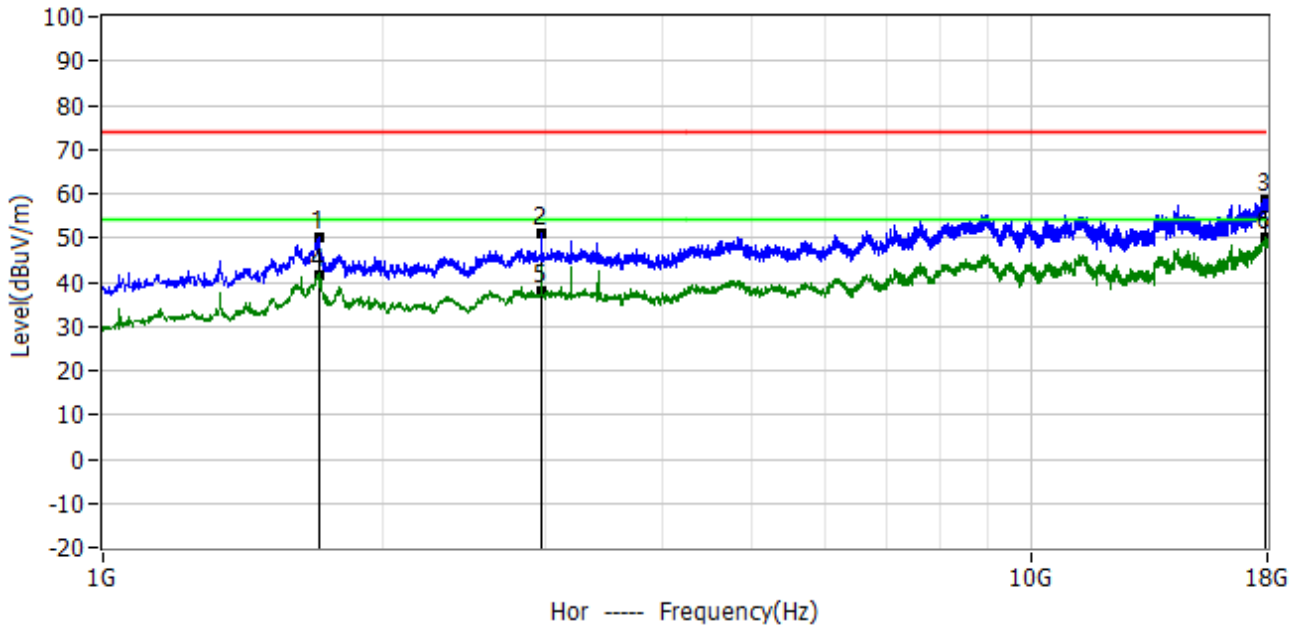
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 42%RH
Temperature: 24°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-25
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type A+TP Control Board_type A	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.493GHz	69.67	-20.88	48.79	74.00	-25.21	PK	Ver
2*	2.976GHz	69.60	-8.47	61.13	74.00	-12.87	PK	Ver
3*	4.999GHz	59.34	-6.14	53.20	74.00	-20.80	PK	Ver
4*	1.493GHz	57.48	-20.88	36.60	54.00	-17.40	AV	Ver
5*	2.976GHz	48.77	-8.47	40.30	54.00	-13.70	AV	Ver
6*	4.999GHz	47.64	-6.14	41.50	54.00	-12.50	AV	Ver



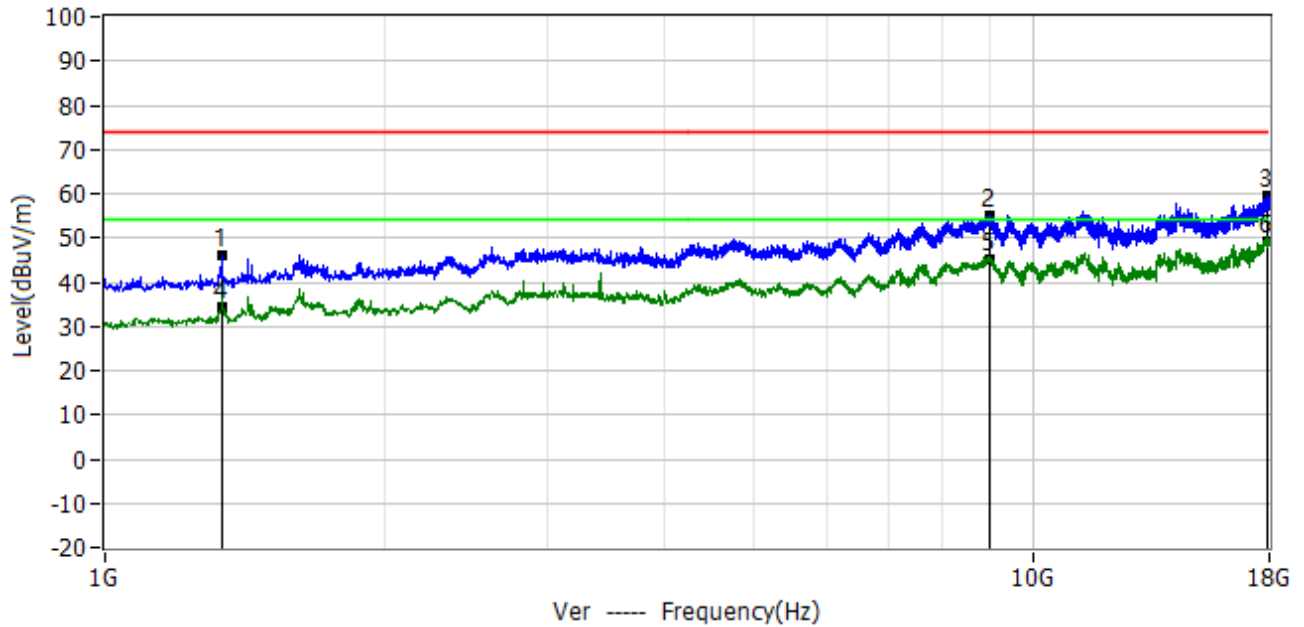
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 42%RH
Temperature: 24°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-25
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type B+TP Control Board_type B	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.708GHz	69.08	-19.14	49.94	74.00	-24.06	PK	Hor
2*	2.970GHz	59.73	-8.50	51.23	74.00	-22.77	PK	Hor
3*	17.949GHz	50.32	8.48	58.80	74.00	-15.20	PK	Hor
4*	1.708GHz	60.84	-19.14	41.70	54.00	-12.30	AV	Hor
5*	2.970GHz	46.30	-8.50	37.80	54.00	-16.20	AV	Hor
6*	17.949GHz	41.42	8.48	49.90	54.00	-4.10	AV	Hor



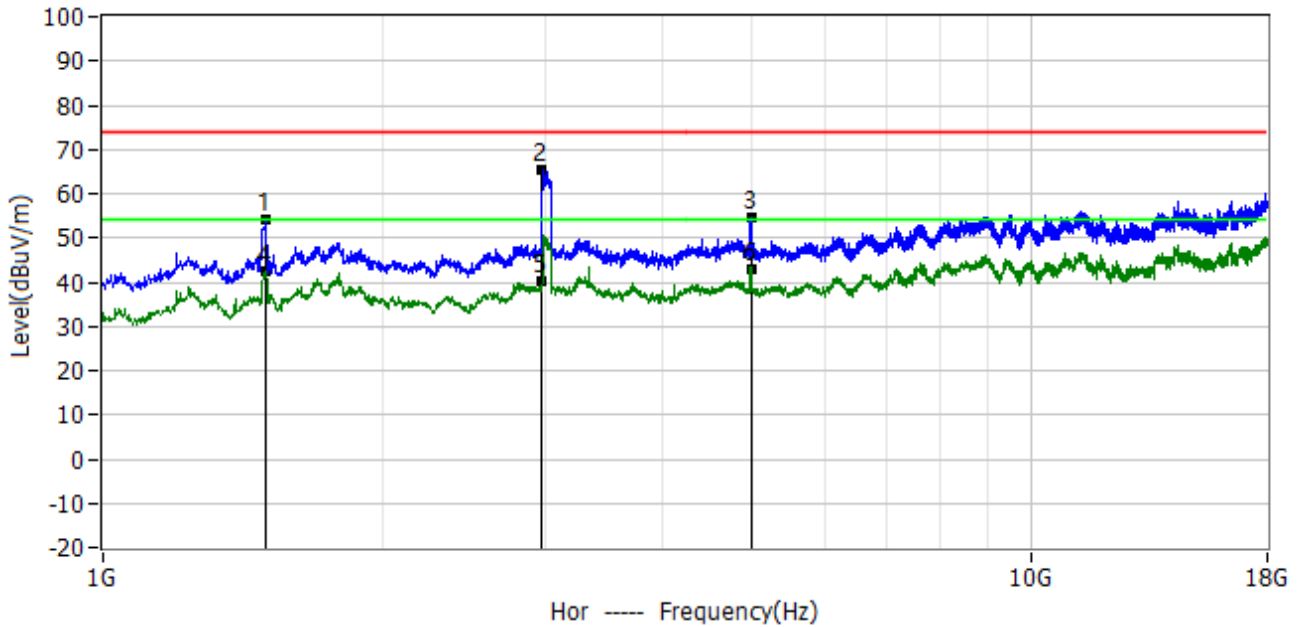
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 42%RH
Temperature: 24°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-25
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type B+TP Control Board_type B	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.336GHz	68.11	-21.89	46.22	74.00	-27.78	PK	Ver
2*	9.003GHz	56.05	-1.17	54.88	74.00	-19.12	PK	Ver
3*	17.924GHz	50.98	8.47	59.45	74.00	-14.55	PK	Ver
4*	1.336GHz	56.29	-21.89	34.40	54.00	-19.60	AV	Ver
5*	9.003GHz	46.47	-1.17	45.30	54.00	-8.70	AV	Ver
6*	17.924GHz	40.83	8.47	49.30	54.00	-4.70	AV	Ver



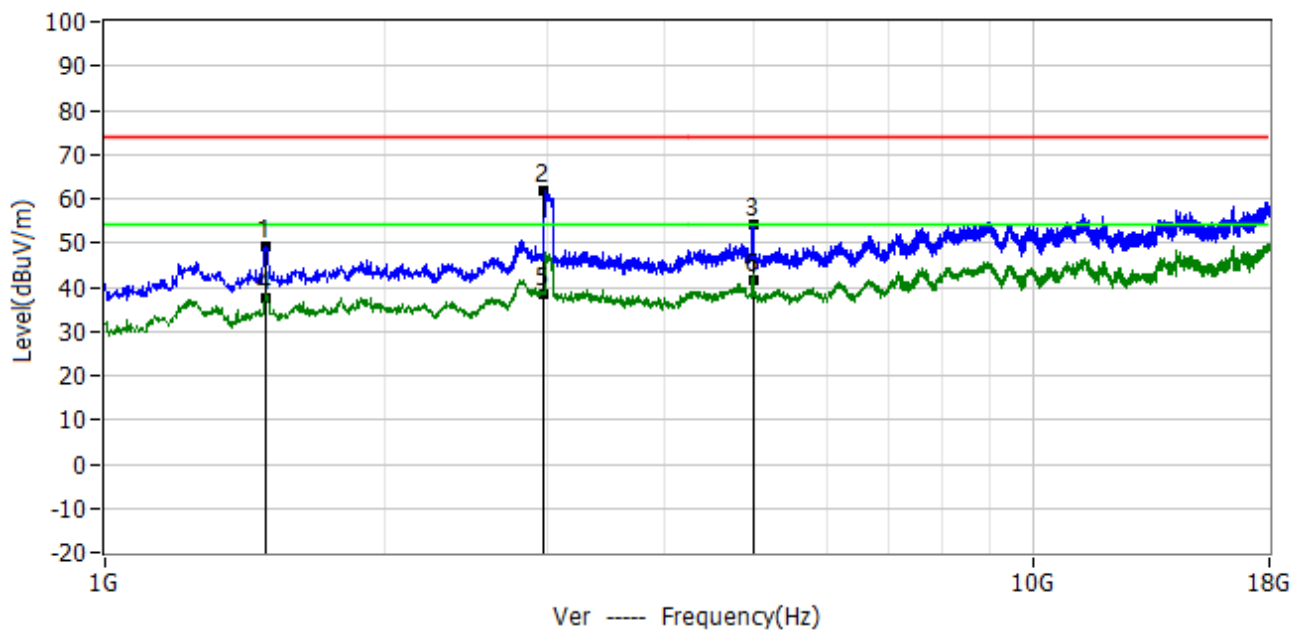
Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 42%RH
Temperature: 24°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-25
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type C+TP Control Board_type A	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.497GHz	75.15	-20.85	54.30	74.00	-19.70	PK	Hor
2*	2.976GHz	73.74	-8.47	65.27	74.00	-8.73	PK	Hor
3*	4.993GHz	60.66	-6.13	54.53	74.00	-19.47	PK	Hor
4*	1.497GHz	63.25	-20.85	42.40	54.00	-11.60	AV	Hor
5*	2.976GHz	48.77	-8.47	40.30	54.00	-13.70	AV	Hor
6*	4.993GHz	49.03	-6.13	42.90	54.00	-11.10	AV	Hor



Project: LGT22I066	Test Engineer: Dylan.shi
EUT: DTEN D7X 55"	Humidity: 42%RH
Temperature: 24°C	Test Voltage: AC 120V/60Hz
M/N: DBR1455	Test Data: 2022-10-25
Test Mode: HDMI OUT+USB+LAN+Thunderbolt+Headset+HDMI IN+Camera+2.4GHz Wi-Fi operating	
Note: TP Board_type C+TP Control Board_type A	



No.	Frequency	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1.487GHz	69.90	-20.91	48.99	74.00	-25.01	PK	Ver
2*	2.976GHz	70.20	-8.47	61.73	74.00	-12.27	PK	Ver
3*	4.995GHz	60.42	-6.14	54.28	74.00	-19.72	PK	Ver
4*	1.487GHz	58.31	-20.91	37.40	54.00	-16.60	AV	Ver
5*	2.976GHz	46.87	-8.47	38.40	54.00	-15.60	AV	Ver
6*	4.995GHz	47.74	-6.14	41.60	54.00	-12.40	AV	Ver



APPENDIX I - TEST SETUP

Conducted Emission Test Setup Photo



Radiated Emission Test Setup Photo - Below 1GHz





Radiated Emission Test Setup Photo - Above 1GHz



※※※※※END OF THE REPORT※※※※※