TEST REPORT

Report No....: CHTEW22080154

Report Verification:

Project No..... SHT2206029701EW

FCC ID.....:: 2AQV7DH4X0UHF

Applicant's name.....: CALTTA TECHNOLOGIES CO.,LTD.

Address.....: 12th Floor, G2 Building, International E City, 1001 Zhongshan

Garden Road, Nanshan District, Shenzhen, China, 518055

Test item description: **Digital Portable Radio**

Trade Mark: Caltta

Model/Type reference..... DH460 UHF

Listed Model(s): DH400 UHF,DH410 UHF,DH460 U(1),DH400 U(1),DH410 U(1)

FCC CFR Title 47 Part 15 Subpart B Standard::

Date of receipt of test sample..... Jul.07, 2022

Date of testing..... Jul.07, 2022- Aug.02, 2022

Date of issue..... Aug.03, 2022

Result.....: **PASS**

Testing Laboratory Name:

Compiled by

(Position - Printed name - Signature): File administrators Fanghui Zhu

Supervised by

(Position - Printed name - Signature): Project Engineer Caspar Chen Jang Miri Zhu Cazpar Chen

Approved by

(Position-Printed name-Signature): RF Manager Hans Hu

Shenzhen Huatongwei International Inspection Co., Ltd.

Address....: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao,

Gongming, Shenzhen, China

Shenzhen Huatongwei International Inspection Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen Huatongwei International Inspection Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen Huatongwei International Inspection Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

The test report merely corresponds to the test sample.

Report No.: CHTEW22080154 Page: 2 of 24 Issued: 2022-08-03

Contents

<u>1.</u>	TEST STANDARDS AND REPORT VERSION	<u> ა</u>
1.1. 1.2.	Test Standards Report version	3 3
1.2.	Report version	3
<u>2.</u>	TEST DESCRIPTION	4
<u>3.</u>	SUMMARY	5
3.1.	Client information	5
3.2.	Product description	5
3.3.	Radio Specification Description	6
3.4.	Testing Laboratory Information	6
<u>4.</u>	TEST CONFIGURATION	7
4.1.	Operation mode	7
4.2.	Support unit used in test configuration and system	7
4.3.	Testing environmental condition	7
4.4.	Statement of the measurement uncertainty	7
4.5.	Equipments Used during the Test	8
<u>5.</u>	TEST CONDITIONS AND RESULTS	9
5.1.	Conducted Emissions	9
5.2.	Radiated Emissions	13
<u>6.</u>	TEST SETUP PHOTOS OF THE EUT	. 21
7.	EXTERNAL AND INTERNAL PHOTOS OF THE EUT	. 24

Report No.: CHTEW22080154 Page: 3 of 24 Issued: 2022-08-03

1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

FCC CFR Title 47 Part 15 Subpart B - Unintentional Radiators

ANSI C63.4: 2014 – American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40GHz

1.2. Report version

Revision No.	Date of issue	Description
N/A	2022-08-03	Original

Report No.: CHTEW22080154 Page: 4 of 24 Issued: 2022-08-03

2. TEST DESCRIPTION

Section	Test Item	Section in CFR 47	Result	Test Engineer
5.1	Conducted Emissions	15.107(a)	Pass	Quanhai Deng
5.2	Radiated Emissions	15.109(a)	Pass	Hongtao Meng

Note:

1. The measurement uncertainty is not included in the test result.

Report No.: CHTEW22080154 Page: 5 of 24 Issued: 2022-08-03

3. **SUMMARY**

3.1. Client information

Applicant:	CALTTA TECHNOLOGIES CO.,LTD.	
Address:	12th Floor, G2 Building,International E City, 1001 Zhongshan Garden Road, Nanshan District, Shenzhen, China, 518055	
Manufacturer:	CALTTA TECHNOLOGIES CO.,LTD.	
Address:	12th Floor, G2 Building,International E City, 1001 Zhongshan Garden Road, Nanshan District, Shenzhen, China, 518055	

3.2. Product description

Name of EUT:	Digital Portable Radio	
Trade mark:	Caltta	
Model/Type reference:	DH460 UHF	
Listed model(s):	DH400 UHF,DH410 UHF,DH460 U(1),DH400 U(1),DH410 U(1)	
Power supply:	DC 7.4V From Battery	
	Model: AC700	
Charger information:	Input: 12.0Vd.c., 1A	
	Output: 8.4Vd.c., 1A	
	Model: ES085H-X120100XYF	
Adapter information:	Input: 100-240Va.c., 50/60Hz 0.5A	
	Output: 12.0Vd.c., 1.0A	
Hardware version:	DH400MB_A	
Software version:	Business_V1.06.05B01	

Report No.: CHTEW22080154 Page: 6 of 24 Issued: 2022-08-03

3.3. Radio Specification Description

Support Frequency Range:	400MHz~470MHz		
Rated Output Power:	⊠ High Power: 4W		
Madulation Type	Analog:	FM	
Modulation Type:	Digital :	4FSK	
Supported Digital Protocol:	DMR		
Channel Congretion	Analog:	⊠ 12.5kHz	
Channel Separation:	Digital :	☐ 6.25kHz	⊠ 12.5kHz
Emission Designator:	Analog:	11K0F3E	
Emission Designator.	Digital:	7K60FXW, 7K60FXD	
Support data rate:	9.6kbps		
Antenna Type: SMA(F)			
Antenna model no.: AF590, AF410			
Antonno fraguenov rango:	AF590: 400MHz~470MHz		
Antenna frequency range:	AF410: 400MHz~470MHz		

3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.		
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China		
	Tel: 86-755-26715499		
Connect information:	E-mail: cs@szhtw.com.cn		
	http://www.szhtw.com.cn		
	Туре	Accreditation Number	
Qualifications	FCC Test Firm Registration Number	762235	
	FCC Designation Number	CN1181	

Report No.: CHTEW22080154 Page: 7 of 24 Issued: 2022-08-03

4. TEST CONFIGURATION

4.1. Operation mode

Test mode	Describe	
Charging mode	Keep the EUT in charging mode, but the EUT shut down.	
Receive mode	Keep the EUT in receiving mode, but don't charging.	

Receive frequency: 450MHz

Section	Test item	Test mode
5.1	Conducted emissions	Charging mode
5.2	Radiated emissions	Receive mode

Only show the test data for worse case mode on the test report.

4.2. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Whether support unit is used?			
✓ No			
Item	Equipement	Trade Name	Model No.
1			
2			

4.3. Testing environmental condition

Туре	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%
Air Pressure:	860~1060mbar	1000mbar

4.4. Statement of the measurement uncertainty

Test	Frequency range	Measurement uncertainty
Radiated Emission	30~1000MHz	4.90 dB
Radiated Emission	1~18GHz	4.96 dB
Conducted Disturbance	0.15~30MHz	3.02 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

Report No.: CHTEW22080154 Page: 8 of 24 Issued: 2022-08-03

4.5. Equipments Used during the Test

•	Conducted Emission									
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)			
•	Shielded Room	Albatross projects	HTWE0114	N/A	N/A	2018/09/28	2023/09/27			
•	EMI Test Receiver	R&S	HTWE0111	ESCI	101247	2021/09/14	2022/09/13			
•	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2021/09/17	2022/09/16			
•	Pulse Limiter	R&S	HTWE0193	ESH3-Z2	101447	2021/09/16	2022/09/15			
•	RF Connection Cable	HUBER+SUHNER	HTWE0113-02	ENVIROFLE X_142	EF-NM- BNCM-2M	2021/09/17	2022/09/16			
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A			

•	Radiated Emission-6th test site									
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)			
•	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2018/09/30	2022/09/29			
•	EMI Test Receiver	R&S	HTWE0099	ESCI	100900	2021/09/14	2022/09/13			
•	Ultra-Broadband Antenna	SCHWARZBEC K	HTWE0119	VULB9163	546	2020/04/28	2023/04/27			
•	Pre-Amplifer	SCHWARZBEC K	HTWE0295	BBV 9742	N/A	2021/11/05	2022/11/04			
•	RF Connection Cable	HUBER+SUHN ER	HTWE0062-01	N/A	N/A	2022/02/25	2023/02/24			
•	RF Connection Cable	HUBER+SUHN ER	HTWE0062-02	SUCOFLEX10 4	501184/4	2022/02/25	2023/02/24			
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A			

•	Radiated emission-7th test site								
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)		
•	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	C11121	2018/09/27	2022/09/26		
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2021/09/13	2022/09/12		
•	Horn Antenna	SCHWARZBE CK	HTWE0126	9120D	1011	2020/04/01	2023/03/31		
•	Broadband Pre- amplifier	SCHWARZBE CK	HTWE0201	BBV 9718	9718-248	2022/02/28	2023/02/27		
•	RF Connection Cable	HUBER+SUH NER	HTWE0126-01	RE-7-FH	N/A	2022/03/04	2023/03/03		
•	Test Software	Audix	N/A	E3	N/A	N/A	N/A		

Report No.: CHTEW22080154 Page: 9 of 24 Issued: 2022-08-03

5. TEST CONDITIONS AND RESULTS

5.1. Conducted Emissions

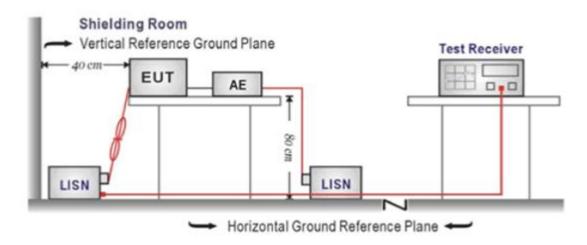
LIMIT

FCC CFR Title 47 Part 15 Subpart B Section 15.107:

Frequency range (MHz)	Limit (dBuV)				
Frequency range (IVII12)	Quasi-peak	Average			
0.15-0.5	66 to 56*	56 to 46*			
0.5-5	56	46			
5-30	60	50			

^{*} Decreases with the logarithm of the frequency.

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was setup according to ANSI C63.4
- 2. The EUT was placed on a plat form of nominal size, 1 m by 1.5 m, raised 10 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 10 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50ohm / 50uH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

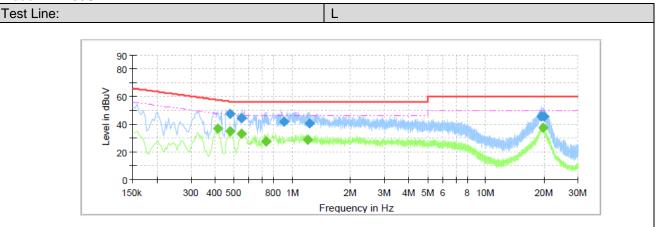
TEST MODE:

Please refer to the clause 4.1

TEST RESULTS

 Report No.: CHTEW22080154 Page: 10 of 24 Issued: 2022-08-03

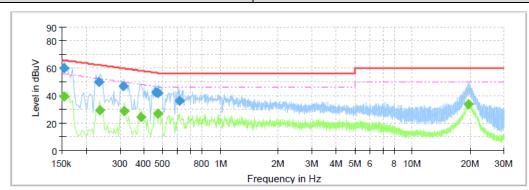
Model: DH400UHF



Final Result

	OussiDask	C A	1 1 14	Manain	Line	C
Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.411500		36.61	47.62	11.01	L1	10.1
0.475500		34.91	46.42	11.50	L1	10.1
0.475500	47.60		56.42	8.81	L1	10.1
0.547500	44.64		56.00	11.36	L1	10.1
0.547500		32.91	46.00	13.09	L1	10.1
0.731500		27.56	46.00	18.44	L1	10.2
0.903500	41.95		56.00	14.05	L1	10.1
1.199500		28.94	46.00	17.06	L1	10.1
1.227500	40.62		56.00	15.38	L1	10.1
19.391500	45.85		60.00	14.15	L1	10.8
19.759500		37.80	50.00	12.20	L1	10.8
19.919500	45.33		60.00	14.67	L1	10.8

Test Line: N

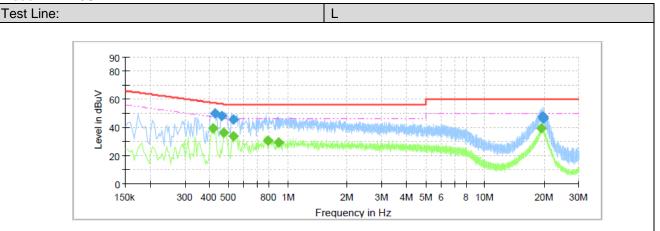


Final Result

I IIIai_Ites						
Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.154000	60.26		65.78	5.52	N	10.1
0.154000	-	39.61	55.78	16.17	N	10.1
0.231500	49.77		62.40	12.62	N	10.1
0.235500		29.41	52.25	22.85	N	10.1
0.311500	46.57		59.93	13.36	N	10.1
0.315500	-	28.87	49.82	20.95	N	10.1
0.387500	-	24.49	48.12	23.63	N	10.1
0.463500	42.27		56.63	14.36	N	10.1
0.471500	41.65		56.49	14.84	N	10.1
0.472500	-	26.76	46.47	19.71	N	10.1
0.611500	36.36		56.00	19.64	N	10.1
19.603500		33.46	50.00	16.54	N	10.7

Report No.: CHTEW22080154 Page: 11 of 24 Issued: 2022-08-03

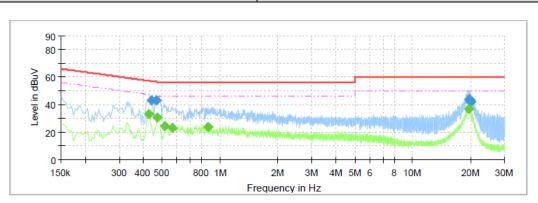
Model: DH410UHF



Final Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.419500		39.33	47.46	8.12	L1	10.1
0.427500	50.06		57.30	7.24	L1	10.1
0.463500	48.36		56.63	8.27	L1	10.1
0.471500		36.42	46.49	10.07	L1	10.1
0.527500	45.61		56.00	10.39	L1	10.1
0.531500		33.97	46.00	12.03	L1	10.1
0.792500		30.81	46.00	15.19	L1	10.2
0.899500		29.48	46.00	16.52	L1	10.1
19.427500		39.29	50.00	10.71	L1	10.8
19.495500	47.43		60.00	12.57	L1	10.8
19.715500	47.32		60.00	12.68	L1	10.8
19.875500	46.47		60.00	13.53	L1	10.8

Test Line: N

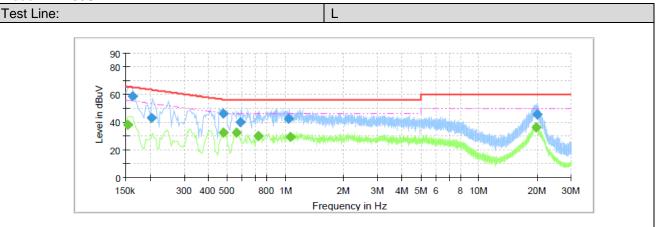


Final Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.427500	1	32.88	47.30	14.42	N	10.1
0.439500	43.37		57.07	13.71	N	10.1
0.467500	43.07		56.56	13.49	N	10.1
0.471500		30.78	46.49	15.71	N	10.1
0.519500		24.17	46.00	21.83	N	10.1
0.563500	-	22.87	46.00	23.13	N	10.1
0.867500	I	23.87	46.00	22.13	N	10.1
19.463500		36.79	50.00	13.21	N	10.7
19.491500	43.80		60.00	16.20	N	10.7
19.727500	43.79	-	60.00	16.21	N	10.7
19.995500	42.32	I	60.00	17.68	N	10.7
20.019500	41.85	-	60.00	18.15	N	10.7

Report No.: CHTEW22080154 Page: 12 of 24 Issued: 2022-08-03

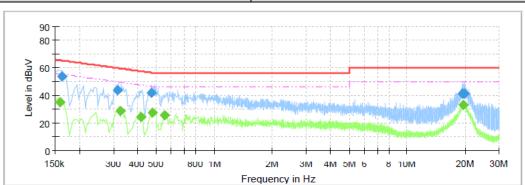
Model: DH460UHF



Final Result

I IIIai_IXES	чіс					
Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.154000		38.12	55.78	17.67	L1	10.1
0.162000	58.88	-	65.36	6.48	L1	10.1
0.203500	43.30		63.47	20.17	L1	10.1
0.475500	46.14	-	56.42	10.28	L1	10.1
0.479500		32.53	46.35	13.81	L1	10.1
0.559500	-	32.63	46.00	13.37	L1	10.1
0.587500	40.29	I	56.00	15.71	L1	10.1
0.723500		29.88	46.00	16.12	L1	10.2
1.035500	42.40	-	56.00	13.60	L1	10.1
1.067500		29.36	46.00	16.64	L1	10.1
19.775500		36.45	50.00	13.55	L1	10.8
19.935500	45.51	-	60.00	14.49	L1	10.8

Test Line: N



Final Result

Frequency	QuasiPeak	CAverage	Limit	Margin	Line	Corr.
(MHz)	(dBuV)	(dBuV)	(dBuV)	(dB)		(dB)
0.158000		34.80	55.57	20.77	N	10.1
0.162000	53.59		65.36	11.77	N	10.1
0.315500	43.50		59.82	16.33	N	10.1
0.327500		28.81	49.51	20.71	N	10.1
0.415500		24.50	47.54	23.04	N	10.1
0.471500	41.60		56.49	14.89	N	10.1
0.475500	-	27.62	46.42	18.79	N	10.1
0.555500		25.44	46.00	20.56	N	10.1
19.439500	41.04		60.00	18.96	N	10.7
19.603500	-	33.32	50.00	16.68	N	10.7
19.723500	41.40		60.00	18.60	N	10.7
19.839500	41.22		60.00	18.78	N	10.7

Report No.: CHTEW22080154 Page: 13 of 24 Issued: 2022-08-03

5.2. Radiated Emissions

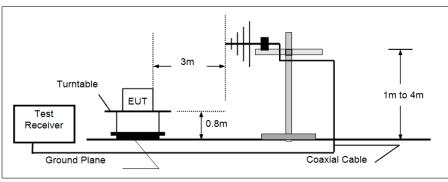
LIMIT

FCC CFR Title 47 Part 15 Subpart B Section 15.109

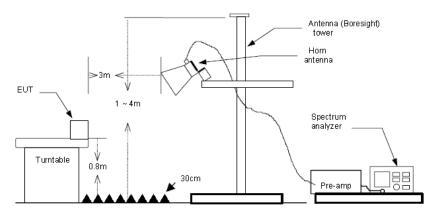
Frequency	Limit (dBuV/m @3m)	Value	
30MHz-88MHz	40.00	Quasi-peak	
88MHz-216MHz	43.50	Quasi-peak	
216MHz-960MHz	46.00	Quasi-peak	
960MHz-1GHz	54.00	Quasi-peak	
Above 1GHz	54.00	Average	
Above TOTIZ	74.00	Peak	

TEST CONFIGURATION

➤ 30MHz ~ 1GHz



Above 1GHz



TEST PROCEDURE

- 1. The EUT was tested according to ANSI C63.4.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground.
- 3. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 4. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 5. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna.
- 6. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1GHz,
 - RBW=120KHz, VBW=300KHz, Sweep=auto, Detector function=peak, Trace=max hold; If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, theemission measurement will be repeated using the quasi-peak detector and reported.
 - (3) From 1GHz to 5th harmonic, RBW=1MHz, VBW=3MHz

Report No.: CHTEW22080154 Page: 14 of 24 Issued: 2022-08-03

TEST MODE:

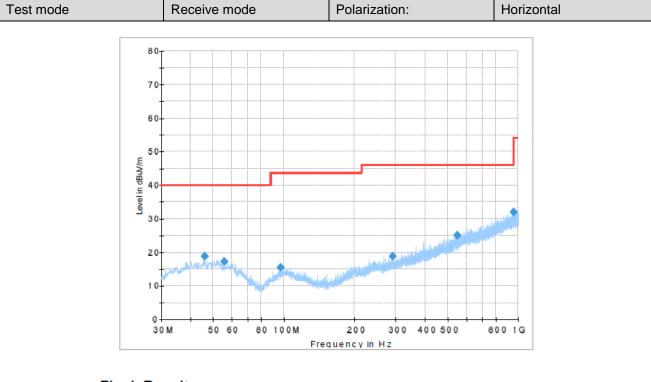
Please refer to the clause 4.1

TEST RESULTS

Note: Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor The emission levels of frequency above 6GHz are very lower than limit and not show in test report.

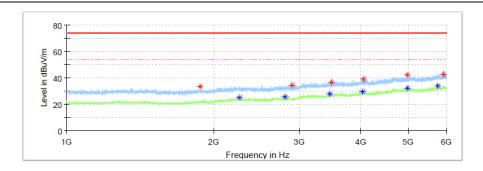
Report No.: CHTEW22080154 Page: 15 of 24 Issued: 2022-08-03

Model: DH400UHF



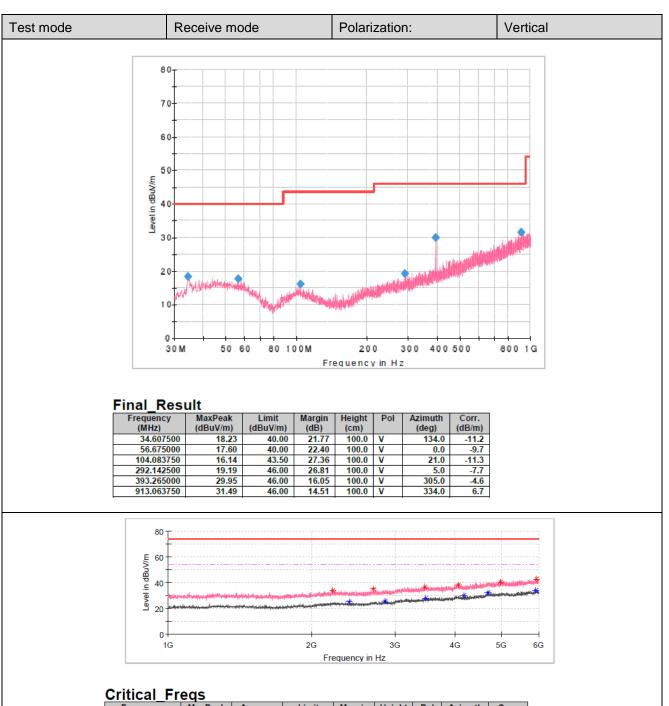
Final Result

Frequency	MaxPeak	Limit	Margin	Height	Pol	Azimuth	Corr.
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)
45.883750	18.80	40.00	21.20	100.0	Н	218.0	-9.3
55.583750	17.11	40.00	22.89	100.0	Н	218.0	-9.6
96.808750	15.44	43.50	28.06	300.0	Н	51.0	-11.6
290.445000	18.86	46.00	27.14	100.0	Н	9.0	-7.7
547.980000	25.11	46.00	20.89	100.0	Н	50.0	-0.5
954.773750	31.98	46.00	14.02	100.0	H	321.0	7.3



Critical Freqs

MaxPeak	Average	Limit	Margin	Height	Pol	Azimuth	Corr.
(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)
	24.89	54.00	29.11	150.0	Н	0.0	-4.6
	27.72	54.00	26.28	150.0	Н	0.0	-1.0
42.78		74.00	31.22	150.0	Н	0.0	8.9
36.47		74.00	37.53	150.0	Н	13.0	-0.9
	32.15	54.00	21.85	150.0	Н	27.0	6.3
	25.55	54.00	28.45	150.0	Н	55.0	-3.5
39.08		74.00	34.92	150.0	Н	82.0	1.5
42.48		74.00	31.52	150.0	Н	96.0	6.3
34.24		74.00	39.76	150.0	Н	138.0	-3.3
	29.54	54.00	24.46	150.0	Н	138.0	1.4
33.52		74.00	40.48	150.0	Н	151.0	-6.9
	33.93	54.00	20.07	150.0	Н	319.0	8.2
	39.08 42.48 34.24 33.52	24.89 27.72 42.78 36.47 32.15 25.55 39.08 42.48 34.24 29.54 33.52	24.89 54.00 27.72 54.00 42.78 74.00 36.47 32.15 54.00 32.15 54.00 39.08 74.00 42.48 74.00 42.48 74.00 34.24 74.00 29.54 54.00 33.52 74.00	24.89 54.00 29.11 27.72 54.00 26.28 42.78 74.00 31.22 36.47 74.00 37.53 32.15 54.00 21.85 25.55 54.00 28.45 39.08 74.00 34.92 42.48 74.00 31.52 34.24 74.00 39.76 29.54 54.00 24.46 33.52 74.00 40.48	24.89 54.00 29.11 150.0 27.72 54.00 26.28 150.0 42.78 74.00 31.22 150.0 36.47 74.00 37.53 150.0 32.15 54.00 21.85 150.0 25.55 54.00 28.45 150.0 39.08 74.00 34.92 150.0 42.48 74.00 31.52 150.0 34.24 74.00 39.76 150.0 29.54 54.00 24.46 150.0 33.52 74.00 40.48 150.0	24.89 54.00 29.11 150.0 H 27.72 54.00 26.28 150.0 H 42.78 74.00 31.22 150.0 H 36.47 74.00 37.53 150.0 H 32.15 54.00 21.85 150.0 H 25.55 54.00 28.45 150.0 H 39.08 74.00 34.92 150.0 H 42.48 74.00 34.92 150.0 H 34.24 74.00 39.76 150.0 H 29.54 54.00 24.46 150.0 H 33.52 74.00 40.48 150.0 H	24.89 54.00 29.11 150.0 H 0.0 27.72 54.00 26.28 150.0 H 0.0 42.78 74.00 31.22 150.0 H 0.0 36.47 74.00 37.53 150.0 H 13.0 32.15 54.00 21.85 150.0 H 27.0 25.55 54.00 28.45 150.0 H 55.0 39.08 74.00 34.92 150.0 H 82.0 42.48 74.00 31.52 150.0 H 96.0 34.24 74.00 39.76 150.0 H 138.0 29.54 54.00 24.46 150.0 H 138.0 33.52 74.00 40.48 150.0 H 151.0

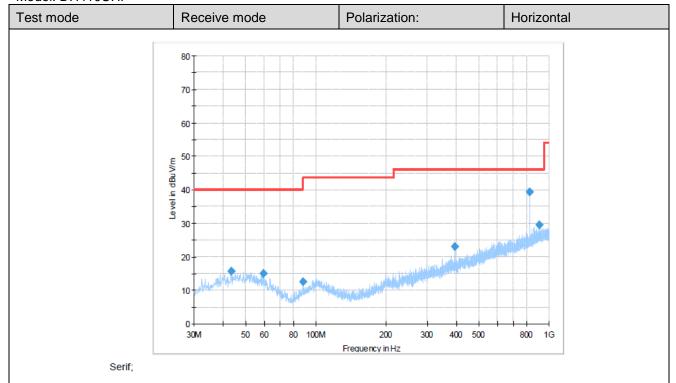


	Fred	uenc	v	M	ax

Frequency	MaxPeak	Average	Limit	Margin	Height	Pol	Azimuth	Corr.							
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)							
2395.625000		24.93	54.00	29.07	150.0	V	0.0	-4.4							
2850.000000		25.81	54.00	28.19	150.0	V	35.0	-3.4							
4173.750000		30.02	54.00	23.98	150.0	V	49.0	1.9							
4073.750000	38.41	-	74.00	35.59	150.0	V	148.0	1.6							
5916.875000		33.90	54.00	20.10	150.0	V	148.0	9.0							
3458.750000	36.51		74.00	37.49	150.0	V	163.0	-1.1							
4701.250000		32.34	54.00	21.66	150.0	V	190.0	5.3							
2219.375000	33.80		74.00	40.20	150.0	٧	218.0	-4.5							
2695.000000	34.87		74.00	39.13	150.0	V	232.0	-3.6							
4984.375000	40.41	-	74.00	33.59	150.0	V	308.0	6.2							
3473.750000		27.84	54.00	26.16	150.0	V	322.0	-1.0							
5923.750000	42.95		74.00	31.05	150.0	٧	351.0	9.0							
4701.250000 2219.375000 2695.000000 4984.375000 3473.750000	33.80 34.87 40.41	32.34 27.84	54.00 74.00 74.00 74.00 54.00	21.66 40.20 39.13 33.59 26.16	150.0 150.0 150.0 150.0 150.0	V V V V	190.0 218.0 232.0 308.0 322.0								

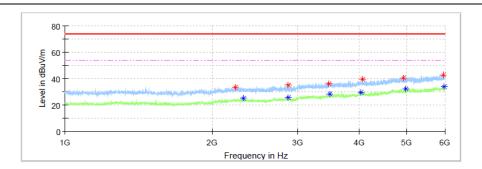
Report No.: CHTEW22080154 Page: 17 of 24 Issued: 2022-08-03

Model: DH410UHF



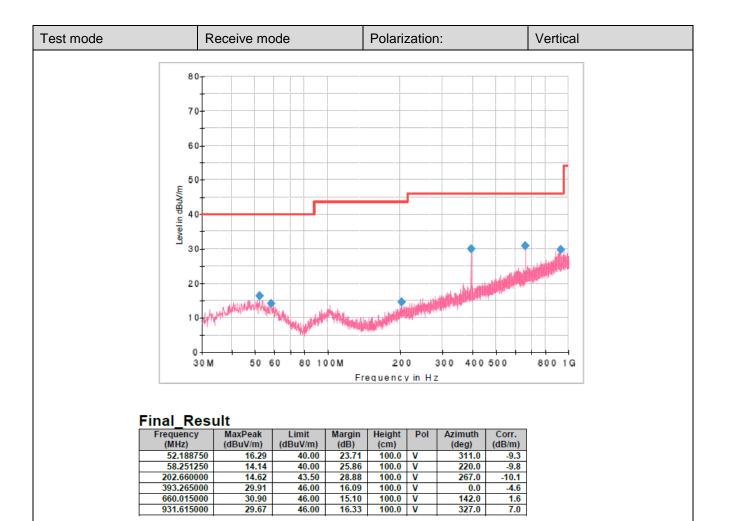
Final Result

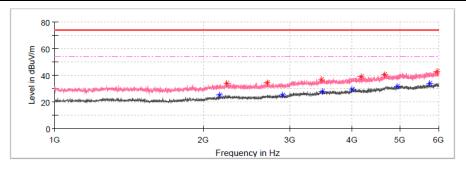
Frequency	MaxPeak	Limit	Margin	Height	Pol	Azimuth	Corr.
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)
43.337500	15.56	40.00	24.44	300.0	Н	6.0	-9.5
59.463750	15.05	40.00	24.95	100.0	Н	28.0	-9.9
87.836250	12.55	40.00	27.45	100.0	Н	125.0	-13.4
393.265000	22.95	46.00	23.05	100.0	Н	78.0	-4.6
826.248750	39.38	46.00	6.62	300.0	Н	130.0	4.9
909.547500	29.43	46.00	16.57	100.0	Н	18.0	6.7



Critical_Freqs

Frequency	MaxPeak	Average	Limit	Margin	Height	Pol	Azimuth	Corr.
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)
3485.000000		28.08	54.00	25.92	150.0	Н	0.0	-0.9
2865.000000		25.74	54.00	28.26	150.0	Н	51.0	-3.
2316.250000	-	24.96	54.00	29.04	150.0	Н	138.0	-4.
5973.750000		33.90	54.00	20.10	150.0	Н	138.0	9.
4928.750000	40.61		74.00	33.39	150.0	Н	222.0	5.
4070.000000	39.20		74.00	34.80	150.0	Н	250.0	1.
4988.750000		31.96	54.00	22.04	150.0	Н	278.0	6.
3471.875000	36.36		74.00	37.64	150.0	Н	336.0	-1.
2234.375000	33.56		74.00	40.44	150.0	Н	350.0	-4.
2866.250000	34.98		74.00	39.02	150.0	Н	350.0	-3.
4031.250000	-	29.54	54.00	24.46	150.0	Н	350.0	1.
5946.250000	42.90		74.00	31.10	150.0	Н	350.0	9.



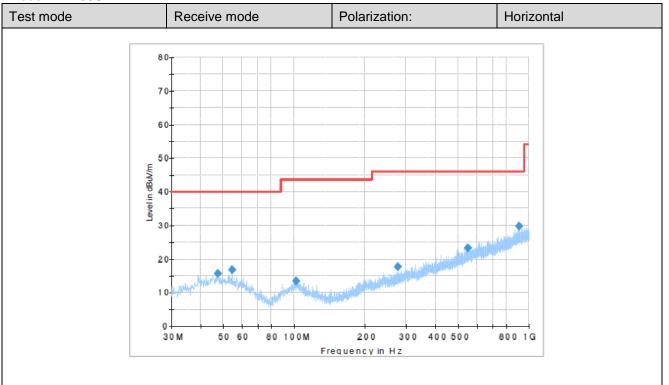


Critical Fregs

Chilcal_Freqs										
Frequency	MaxPeak	Average	Limit	Margin	Height	Pol	Azimuth	Corr.		
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)		
4654.375000	40.40		74.00	33.60	150.0	V	0.0	4.5		
2158.125000		24.73	54.00	29.27	150.0	V	1.0	-4.6		
4013.125000		29.49	54.00	24.51	150.0	٧	12.0	1.3		
5953.125000	42.92		74.00	31.08	150.0	V	54.0	9.1		
2692.500000	34.30	-	74.00	39.70	150.0	٧	82.0	-3.6		
3486.250000		27.94	54.00	26.06	150.0	٧	82.0	-0.9		
4953.750000		31.78	54.00	22.22	150.0	٧	151.0	6.0		
5754.375000		33.78	54.00	20.22	150.0	٧	178.0	8.2		
2230.625000	33.97		74.00	40.03	150.0	V	211.0	-4.5		
2894.375000		25.19	54.00	28.81	150.0	٧	225.0	-3.3		
3474.375000	36.47	-	74.00	37.53	150.0	٧	253.0	-1.0		
4171.875000	38.67		74.00	35.33	150.0	٧	337.0	1.9		

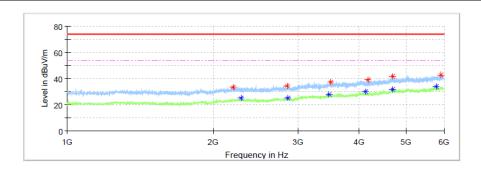
Report No.: CHTEW22080154 Page: 19 of 24 Issued: 2022-08-03

Model: DH460UHF



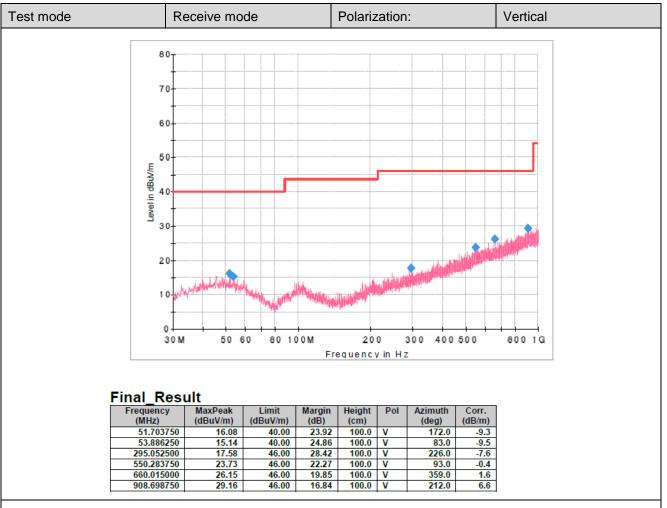
Final Result

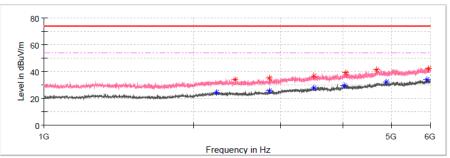
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.338750	15.71	40.00	24.29	300.0	Н	203.0	-9.3
54.371250	16.77	40.00	23.23	100.0	Н	18.0	-9.5
102.386250	13.47	43.50	30.03	100.0	Н	263.0	-11.0
276.380000	17.64	46.00	28.36	300.0	Н	157.0	-8.3
551.375000	23.32	46.00	22.68	100.0	Н	94.0	-0.4
909.183750	29.75	46.00	16.25	300.0	Н	157.0	6.6



Critical_Freqs

Frequency	MaxPeak	Average	Limit	Margin	Height	Pol	Azimuth	Corr.
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)
2286.250000		24.90	54.00	29.10	150.0	Н	16.0	-4.6
3501.875000	37.40		74.00	36.60	150.0	Н	29.0	-0.9
5899.375000	42.68		74.00	31.32	150.0	Н	71.0	8.8
2847.500000	34.42	-	74.00	39.58	150.0	Н	141.0	-3.4
3476.875000		27.99	54.00	26.01	150.0	Η	168.0	-1.0
4184.375000	38.99		74.00	35.01	150.0	Н	196.0	2.0
2855.000000		25.17	54.00	28.83	150.0	Н	210.0	-3.4
2196.875000	33.27		74.00	40.73	150.0	Н	224.0	-4.4
4694.375000	41.41		74.00	32.59	150.0	Н	294.0	5.2
4694.375000		31.88	54.00	22.12	150.0	Н	294.0	5.2
4124.375000		30.18	54.00	23.82	150.0	Н	309.0	1.8
5773.125000		33.84	54.00	20.16	150.0	Н	352.0	8.3





Critical Freqs

OTTICAL_IT	cq3							
Frequency	MaxPeak	Average	Limit	Margin	Height	Pol	Azimuth	Corr.
(MHz)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)		(deg)	(dB/m)
2425.625000	34.15		74.00	39.85	150.0	V	0.0	-4.5
5963.750000	42.48	-	74.00	31.52	150.0	V	0.0	9.1
2848.125000	1	25.64	54.00	28.36	150.0	V	8.0	-3.4
4678.750000	41.26	-	74.00	32.74	150.0	V	37.0	4.9
3501.875000	-	27.93	54.00	26.07	150.0	V	133.0	-0.9
3501.875000	36.80		74.00	37.20	150.0	V	133.0	-0.9
4887.500000	-	32.13	54.00	21.87	150.0	V	188.0	5.8
4050.000000	38.62	-	74.00	35.38	150.0	٧	230.0	1.5
2226.250000		24.54	54.00	29.46	150.0	V	271.0	-4.5
4027.500000		29.62	54.00	24.38	150.0	V	299.0	1.4
5910.625000	I	33.84	54.00	20.16	150.0	٧	327.0	8.9
2841.250000	34.74		74.00	39.26	150.0	V	341.0	-3.5

Report No.: CHTEW22080154 Page: 21 of 24 Issued: 2022-08-03

6. TEST SETUP PHOTOS OF THE EUT

Model: DH400UHF

Conducted Emissions (AC Mains)



Radiated Emissions





Report No.: CHTEW22080154 Page: 22 of 24 Issued: 2022-08-03

Model: DH410UHF

Conducted Emissions (AC Mains)



Radiated Emissions





Report No.: CHTEW22080154 Page: 23 of 24 Issued: 2022-08-03

Model: DH460UHF

Conducted Emissions (AC Mains)



Radiated Emissions





Report No.: CHTEW22080154 Page: 24 of 24 Issued: 2022-08-03

7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Refer to the test report No.: CHTEW22080153

-----End of Report-----