

# **RF Test Report**

## For

#### **Applicant Name:**

Address:

EUT Name: Brand Name: Model Number:

#### **VELONG ENTERPRISES CO., LTD**

No.3-7 west of 5th Najin Rd., North of 4th Huoda Rd., Nahou Industrial Zone, Yangdong District, Yangjiang City, China 2-IN-1WIRELESS THERMOMETER N/A FL1058

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen,

# **Issued By**

BTF Testing Lab (Shenzhen) Co., Ltd.

#### **Company Name:**

Address:

Report Number: Test Standards: FCC ID: Test Conclusion: Test Date: Date of Issue: BTF230908R00501 47 Part 15 Subpart C Section 15.231 2AJUYMS200117 Pass 2023-09-08 to 2023-09-28 2023-09-28

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Date:

Approved By:

Date:

Fron. CJ

Ryan.CJ / EMC Manager 2023-09-22

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.



Revision History			
Version	Issue Date	Revisions Content	
R_V0	2023-09-28 Original		
and the second second			
Note:	Once the revision has been made, then previous versions reports are invalid.		





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# 1. Introduction

# 1.1 Identification of Testing Laboratory

Company Name:	BTF Testing Lab (Shenzhen) Co., Ltd.	
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China	
Phone Number:	+86-0755-23146130	
Fax Number:	+86-0755-23146130	

## **1.2 Identification of the Responsible Testing Location**

Test Location:	BTF Testing Lab (Shenzhen) Co., Ltd.	
Address:	F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China	
Description:	All measurement facilities used to collect the measurement data are located at F101,201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China	
FCC Registration Number:	518915	
Designation Number:	CN1330	

## **1.3 Laboratory Condition**

Ambient Temperature:	<b>20</b> ℃ to <b>25</b> ℃
Ambient Relative Humidity:	45% to 55%
Ambient Pressure:	100 kPa to 102 kPa

## **1.4 Announcement**

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.



# 2. Product Information

### 2.1 Application Information

Company Name:	VELONG ENTERPRISES CO., LTD	
Address:	No.3-7 west of 5th Najin Rd., North of 4th Huoda Rd., Nahou Industrial Zone, Yangdong District, Yangjiang City, China	

## 2.2 Manufacturer Information

Company Name:	Ningbo Shuanghe Hongsheng Electronic Technology Co.,Ltd	
Address:	2 Binxi South Road, Dayin Town Yuyao City, Zhejiang Province, China.	

## 2.3 Factory Information

Company Name:	Ningbo Shuanghe Hongsheng Electronic Technology Co.,Ltd	
Address:	2 Binxi South Road, Dayin Town Yuyao City, Zhejiang Province, China.	

## 2.4 General Description of Equipment under Test (EUT)

EUT Name	2-IN-1WIRELESS THERMOMETER		
Under Test Model Name	FL1058		
Series Model Name	N/A		
Description of Model name differentiation	N/A		
Hardware Version	FL1058TX_PCB_V1		
Software and Firmware Version	VO		

## 2.5 Technical Information

Modulation Type	ООК
Operation Frequency	433.92MHz
Number of Channel	1
Tested Channel	1
Antenna Type	External Antenna
Antenna Gain <sup>#</sup>	2 dBi

Note:

#: The antenna gain provided by the applicant, and the laboratory will not be responsible for the accumulated calculation results which covers the information provided by the applicant.



# 3. Summary of Test Results

# 3.1 Summary of Test Result

No.	Test Item	Standard Section	Test By	Result	Remark
1	Antenna Requirement	15.203	Chris Liu	Pass	
2	Conduction Emission	15.207	Chris Liu	Pass	-
3	20 dB Bandwidth	15.231(c)	Chris Liu	Pass	-
4	Silent period and duration transmission time	15.231(e)	Chris Liu	Pass	-
5	Duty cycle corrected factor	-		Pass*1	-
6	Field strength of the Fundamental signal	15.231(e)	Chris Liu	Pass	1
7	Radiation Spurious Emission	15.231(e)/15.205/ 15.209	Chris Liu	Pass	-

Note:

The measurement uncertainty is not included in the test result.
 \*1: No requirement on standard, only report these test data.



# 3.2 Uncertainty of Test

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2 and TR100 028-1/-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Value
Occupied Channel Bandwidth	69 KHz
RF output power, conducted	0.87 dB
Power Spectral Density, conducted	0.69 dB
Unwanted Emissions, conducted	0.94 dB
All emissions, radiated(<1GHz)	4.12 dB
All emissions, radiated(>1GHz)	4.16 dB
Temperature	0.82 °C
Humidity	4.1 %



# 4. Test Configuration

## 4.1 Environment Condition

Environment	Selected Values During Tests									
Parameter	Temperature	Voltage	Relative Humidity	Ambient Pressure						
Normal Temperature, Normal Voltage (NTNV)	20°C to 25°C	DC 3.0V from battery	30% to 60%	100 kPa to 102 kPa						

# 4.2 Test Equipment List

Conducted Method Test											
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use					
MXA Signal Analyzer	KEYSIGHT	N9020A	MY50410020	2022.11.24	2023.11.23	$\boxtimes$					
WIDEBAND RADIO COMMNUNICATION TESTER	Rohde & Schwarz	CMW500	161997	2022.11.24	2023.11.23	$\boxtimes$					
ESG VECTOR SIGNAL GENERATOR	Agilent	E4438C	MY45094854	2022.11.24	2023.11.23	$\boxtimes$					
MXG Vector Signal Generator	Agilent	N5182A	MY46240163	2022.11.24	2023.11.23	$\boxtimes$					
Adjustable Direct Current Regulated Power Supply	Dongguan Tongmen Electronic Technology Co., LTD	etm-6050c	20211026123	2022.11.25	2023.11.24	$\boxtimes$					
Programmable constant temperature and humidity box	ZZCKONG	ZZ-K02A	20210928007	2022.11.24	2023.11.23	$\boxtimes$					
RF Control Unit	TST	TST-Full	S01	/	/	$\boxtimes$					
RF Test software	TST	V2.0	/	/	/	$\boxtimes$					

Radiated Method Test											
Description	Manufacturer	Model	Model Serial No.		Cal. Due	Use					
SIGNAL ANALYZER	ROHDE&SCHWARZ	FSQ40	100010	2022.11.24	2023.11.23	$\boxtimes$					
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI7	101032	2022.11.24	2023.11.23	$\boxtimes$					
Log periodic antenna	SCHWARZBECK	VULB 9168	01328	2021.11.28	2023.11.27	$\boxtimes$					
Horn Antenna	SCHWARZBECK	BBHA9170	01157	2021.11.28	2023.11.27	$\boxtimes$					
POSITIONAL CONTROLLER	SKET	PCI-GPIB	/	1	1	$\boxtimes$					
RE Cable	REBES Talent	UF2-NMNM-10m	21101570	2022.11.24	2023.11.23	$\boxtimes$					
RE Cable	REBES Talent	UF2-NMNM-2.5m	21101573	2022.11.24	2023.11.23	$\boxtimes$					
RE Cable	REBES Talent	UF2-NMNM-1m	21101576	2022.11.24	2023.11.23	$\boxtimes$					

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Coaxial cable Multiflex 141	Schwarzbeck	N/SMA 0.5m	517386	2023.3.24	2024.3.23	$\boxtimes$
RE Cable	Talent Microwave	A40-2.92M2.92 M-14M	22080539	2022.11.24	2023.11.23	$\mathbb{X}$
RE Cable	Talent Microwave	A81-SMAMNM- 14M	22080538	2022.11.24	2023.11.23	$\boxtimes$
Preamplifier	SCHWARZBECK	BBV9744	00246	2022.11.24	2023.11.23	$\boxtimes$
Horn Antenna	Schwarzbeck	BBHA9120D	2597	2022.5.22	2024.5.21	$\boxtimes$
Broadband Preamplilifier	Schwarzbeck	BBV9718D	00008	2023.3.24	2024.3.23	$\boxtimes$

Conducted disturbance Test												
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due	Use						
EMI Receiver	ROHDE&SCHWARZ	ESCI3 101422 2		2022.11.24	2023.11.23	$\boxtimes$						
V-LISN	SCHWARZBECK	NSLK 8127 01073		2022.11.24	2023.11.23	$\boxtimes$						
LISN	LISN AFJ		16010020076	2022.11.24	2023.11.23	$\boxtimes$						
Coaxial Switcher	SCHWARZBECK	CX210	CX210	2022.11.24	2023.11.23	$\boxtimes$						
Pulse Limiter SCHWARZBECK		VTSD 9561-F	00953	2022.11.24	2023.11.23	$\boxtimes$						
EZ_EMC	Frad	EMC-CON 3A1.1+	1	/	/	$\boxtimes$						

# 4.3 Test Auxiliary Equipment

Description	Manufacturer	Model	Serial No.	Length	Description	Use
/	/	/	/	/	/	$\boxtimes$



# 4.4 Test Setup

**Test Setup 1** 





#### **Test Setup 2**



Radiation Test (9k - 30MHz)

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#### **Test Setup 4**





# 5. Test Items

## 5.1 Antenna Requirements

#### 5.1.1 Relevant Standards

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### 5.1.2 TEST RESULT

Passed Not Applicable

The antenna type is a external antenna, the maximum gain of the antenna is 0dBi.



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## **5.2 Conduction Emission**

#### 5.2.1 Limit

#### FCC §15.207

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a  $50\mu$ H/ $50\Omega$  line impedance stabilization network (LISN).

Frequency range	Conducted Limit (dBµV)						
(MHz)	Quai-peak	Average					
0.15 - 0.50	66 to 56	56 to 46					
0.50 - 5	56	46					
0.50 - 30	60	50					

#### 5.2.2 Test Setup

See section 4.4 for test setup description for setup 2. The photo of test setup please refer to ANNEX B

#### 5.2.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

#### 5.2.4 Test Result

Please refer to ANNEX A.1

#### NOTE:

- 1. Results (dBuV) = Reading (dBuV) + Factor (dB)
  - The reading level is calculated by software which is not shown in the sheet
- 2. Factor = Insertion loss + Cable loss
- 3. Over limit = Results Limit.



## 5.3 20dB Bandwidth

#### 5.3.1 Limit

FCC §15.231(c)

The bandwidth of the emission shall be no wider than 0.25% of the centre frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the centre frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

#### 5.3.2 Test Setup

See section 4.4 for test setup description for antenna port. The photo of test setup please refer to ANNEX B

#### 5.3.3 Test Procedure

1.keep the relative position between the artificial antenna and the EUT.

- 2. Set to the maximum power setting and enable the EUT transmit continuously.
- 3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement.

Span = approximately 2 to 3 times the 20 dB

bandwidth, centered on a hopping channel

 $RBW \ge 1\%$  of the 20 dB bandwidth;  $VBW \ge RBW$ 

Sweep = auto

Detector function = peak

Trace = max hold.

4. Measure and record the results in the test report.

#### 5.3.4 Test Result



## 5.4 Silent period and duration transmission time

5.4.1 Limit

FCC §15.231(e)

In addition, devices operated under the provisions of this paragraph shall be provided with a means for automatically limiting operation so that the duration of each transmission shall not be greater than one second and the silent period between transmissions shall be at least 30 times the duration of the transmission but in no case less than 10 seconds.

#### 5.4.2 Test Setup

See section 4.4 for test setup description for antenna port. The photo of test setup please refer to ANNEX B

#### 5.4.3 Test Procedure

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings:

Frequency=Center carrier frequency

RBW=100kHz, VBW=300kHz, Span= zero,

Sweep time= 10second, Detector function = peak, Trace = single

4. Measure and record the results in the test report.

#### 5.4.4 Test Result



## 5.5 Duty Cycle Corrected Factor

5.5.1 Limit

N/A

5.5.2 Test Setup

See section 4.4 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B

#### 5.5.3 Test Procedure

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings:
  Span=zero span, Frequency=centered channel, RBW= 1MHz, VBW ≥ RBW
  Sweep time=as necessary to capture the entire dwell time,
  Detector function = peak, Trigger mode
  4. Measure and record the duty cycle data
- and the second second

### 5.5.4 Test Result



## 5.6 Field strength of the Fundamental signal

#### 5.6.1 Limit

#### FCC §15.231(e)

Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)
1000	100
500	50
500 to 1500 <sup>1</sup>	50 to 150 <sup>1</sup>
1500	150
1500 to 5000 <sup>1</sup>	150 to 500 <sup>1</sup>
5000	500
	Field strength of fundamental (microvolts/meter)           1000           500           500 to 1500 <sup>1</sup> 1500           1500 to 5000 <sup>1</sup> 5000

<sup>1</sup>Linear interpolations

#### 5.6.2 Test Setup

See section 4.4 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B

#### 5.6.3 Test Procedure

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1GHz, The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings

Span shall wide enough to fully capture the emission being measured;

RBW=120 kHz, VBW=300 kHz, 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, the emission measurement will be repeated using the quasi-peak detector and reported.

#### 5.6.4 Test Result



## 5.7 Radiated Spurious Emission

#### 5.7.1 Limit

#### FCC §15.231(e)

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)
40.66 - 40.70	1000	100
70 - 130	500	50
130 - 174	500 to 1500 <sup>1</sup>	50 to 150 <sup>1</sup>
174 - 260	1500	150
260 - 470	1500 to 5000 <sup>1</sup>	150 to 500 <sup>1</sup>
Above 470	5000	500

<sup>1</sup>Linear interpolations FCC §15 209

Frequency Range (MHz)	Distance (m)	Field strength (dB µ V/m)
0.009-0.490	3	20log 2400/F (kHz) + 80
0.490-1.705	3	20log 24000/F (kHz) + 40
1.705-30	3	20log 30 + 40
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
- 5. If measurement is made at 3m distance, then F.S Limitation at 3m distance is adjusted by using the formula

Ld1 = Ld2 \* (d2/d1)

#### 5.7.2 Test Setup

See section 4.4 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B

#### 5.7.3 Test Procedure



- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter camber in below 1GHz, 1.5m above the ground in above 1GHz. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 3. The antenna height is varied from one meter to four meters 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.
- 4. 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 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

#### 5.7.4 Test Result



# **ANNEX A Test Results**

## **A.1 Conduction Emission**

## Not Applicable.

## A.2 20dB Bandwidth





# A.3 Silent period and duration transmission time

🔤 Ke	ysight	Spect	rum A	Analyzer - S	wept SA												đ X
<mark>IXI</mark> Cer	ter	Ere	RF	50 g 133 92		/Hz		SEN	SE:INT	Ava	4 Type	LIGN AUTO	04:53:15 F	M Sep 28, 2023 CE 1 2 3 4 5	6	Freque	ncy
COL		110	-y -	100102	0000 1	PNO: Wide	e ⊶⊷	Trig: Free	Run	Avg	Hold:	1/1	T) [		₩ N		
		_				IFGain: Hig	n	#Atten: 0					AMkr3	61 09 6		Aut	o Tune
10 d	R/div	,	Rei	F 20 0(	) dBm								-C	.663 dE			
Lõg	1	<u>r</u>		-20.00													
-30.0	$\vdash$		+													Cent	er Freq
-40.0	$\vdash$		+													433.9200	00 MHz
-50.0	ľ		+									ń					
-60.0	$\vdash$		+													Sta	rt Freq
-70.0	$\vdash$															433.9200	000 MHz
-80.0	$\vdash$	<u>12∆</u>	1									3/2					
-90.0	- All	and the second		ten for an and	and and a state of the state of	المناور الماليول		way the stand and s	بىلەر بەيرىلى		num.	harrison	personal	Mathematical Structures		Sto	n Fred
-100	$\vdash$															433.9200	00 MHz
-110	$\vdash$		$\rightarrow$														
Cer	4 iter -	433	.92	0000 N	1Hz									Span 0 Hz		C	E Sten
Res	BW	/ 10	0 k	Hz		#\	/BW	300 kHz				Sweep	90.00 s	(1001 pts		100.	000 kHz
MKR	MODE	TRC	SCL		Х			Y		FUNCTION	FUN	CTION WIDTH	FUNCT	ION VALUE		<u>luto</u>	Man
1	N	1	t	(A)		2.520 s	(A)	-93.716 dB	m								
3	$\Delta 2$	1	t	(Δ) (Δ)		61.08 s	(Δ) (Δ)	-0.663 (	IB							Freq	Offset
45														-			0 Hz
6																	
8																Scal	е Туре
9 10																oa	Lin
11																	
MSG	_	_	_	_	_		_		_		_	STATU	5				
	_		_				_				_				_		



## A.4 Duty cycle corrected factor

T <sub>on</sub> (ms)	0.840
T <sub>off</sub> (ms)	0.865
T <sub>on</sub> number	111
Period (ms) :	100
Duty Cycle :	=0.840/(0.840+0.865)=0.493
Duty Cycle Corrected Factor:	=20*log(0.493)=-6.14

Note:

1) Duty cycle=  $T_{ON}/(T_{ON} + T_{off})$ 

2) Duty Cycle Corrected Factor/DCCF=20\*log (Duty Cycle)





# A.5 Field strength of the Fundamental signal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	433.92	91.03	-23.04	67.99	92.87	-32.54	PK	Н
2	433.92	82.80	-6.13	76.67	92.87	-23.86	PK	V

No.	Frequency (MHz)	PK level (dBuV/m	DCCF (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Remark
1	433.92	67.99	-6.14	61.85	72.87	-11.02	AV	H
2	433.92	76.67	-6.14	70.53	72.87	-2.34	AV	V



# A.6Radiation Spurious Emission

Below 1GHz:

Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	35.1278	36.17	-18.46	17.71	40.00	-22.29	QP	Р
2	61.1316	26.33	-18.18	8.15	40.00	-31.85	QP	Р
3	120.0659	40.25	-28.05	12.20	43.50	-31.30	QP	Р
4	167.8243	41.17	-27.62	13.55	43.50	-29.95	QP	Р
5	321.6242	40.74	-25.26	15.48	46.00	-30.52	QP	Р
6 *	798.9797	49.65	-23.72	25.93	46.00	-20.07	QP	Р



#### Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	35.1278	39.47	-20.63	18.84	40.00	-21.16	QP	Р
2	39.9942	37.50	-20.53	16.97	40.00	-23.03	QP	Р
3	74.2652	33.32	-19.92	13.40	40.00	-26.60	QP	Р
4	120.0659	50.95	-28.05	22.90	43.50	-20.60	QP	Р
5	302.4812	40.82	-25.41	15.41	46.00	-30.59	QP	Р
6 *	803.1933	50.12	-23.67	26.45	46.00	-19.55	QP	Р



## Above 1GHz:

## Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	1126.619	67.49	-29.67	37.82	74.00	-36.18	peak	Р
2	1486.583	64.69	-31.63	33.06	74.00	-40.94	peak	Р
3	2253.238	65.20	-30.65	34.55	74.00	-39.45	peak	Р
4 *	2538.542	70.03	-30.30	39.73	74.00	-34.27	peak	Р
5	3006.323	67.32	-29.51	37.81	74.00	-36.19	peak	Р
6	3453.358	67.37	-29.10	38.27	74.00	-35.73	peak	Р

#### Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	1126.619	67.57	-29.67	37.90	74.00	-36.10	peak	Р
2	1297.739	66.40	-30.61	35.79	74.00	-38.21	peak	Р
3	1651.755	64.22	-31.47	32.75	74.00	-41.25	peak	Р
4	2011.121	64.98	-30.92	34.06	74.00	-39.94	peak	Р
5	2303.775	68.04	-30.59	37.45	74.00	-36.55	peak	Р
6	2804.999	65.70	-29.84	35.86	74.00	-38.14	peak	Р





#### Emissions in frequency bands (below 1GHz)



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# **ANNEX C EUT Constructional Details (EUT Photos)**





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*ao so 10 500 ao 80 10 eo 20 4*0 30 so 10100 ao 80 10 eo 20 40 30 so 50 2

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