

FCC Test Report

Report No.: AGC00635180506FE02

FCC ID : 2AFZB-ZURCBKUALZ

APPLICATION PURPOSE : Original Equipment

PRODUCT DESIGNATION : Backup Camera

BRAND NAME : ZUS

MODEL NAME : ZURCBKUAL

CLIENT : No NDA Inc.

DATE OF ISSUE : Aug. 30, 2018

STANDARD(S) : FCC Part 15.247

REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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Attestation of Global Compliance

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REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	Sold The state of	Aug. 30, 2018	Valid	Initial Release

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1. VERIFICATION OF COMPLIANCE

320 Mountain View Ave., Mountain View, CA 94041 WBE Industrail Gaotian Area, Zhenlong Town, Huiyang, Huizhou City, Guangdong 516200 PRC		
Gaotian Area, Zhenlong Town, Huiyang, Huizhou City, Guangdong 516200 PRC		
PRC		
and the state of t		
Backup Camera		
zus		
ZURCBKUAL		
June. 26, 2018 to July. 12, 2018		
None		
Normal		
Pass San		
AGCRT-US-BLE/RF		
1		

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC part 15.247.

Tested By	Max Zhang	mounted a California of
	Max Zhang(Zhang Yi)	Aug. 30, 2018
Reviewed By	Bore xie	
Station of Global Co. S. Milestolion of	Bart Xie(Xie Xiaobin)	Aug. 30, 2018
Approved By	Foresto ce	
S A THE STATE OF T	Forrest Lei(Lei Yonggang) Authorized Officer	Aug. 30, 2018

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2.GENERAL INFORMATION

2.1PRODUCT DESCRIPTION

The EUT is designed as a "Backup Camera". It is designed by way of utilizing the GFSK technology to achieve the system operation.

A major technical description of EUT is described as following

Operation Frequency	2.402 GHz to 2.480GHz
RF Output Power	4.324dBm(Max)
Bluetooth Version	V 4.0
Modulation	GFSK
Number of channels	40 Channel
Antenna Designation	Internal Antenna
Antenna Gain	2dBi
Hardware Version	V1.0
Software Version	V1.0
Power Supply	DC 3.7V battery or DC 5V by Car charger

2.2. TABLE OF CARRIER FREQUENCYS

Frequency Band	Channel Number	Frequency
100 CO	0	2402MHZ
	1 Figure 0	2404MHZ
2400~2483.5MHZ	and degrade CC interest CC	
CC TO	38	2478 MHZ
C III	39	2480 MHZ

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2.3 RELATED SUBMITTAL(S)/GRANT(S)

This submittal(s) (test report) is intended for **FCC ID: 2AFZB-ZURCBKUALZ** filling to comply with the FCC Part 15.247 requirements.

2.4TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

2.5 SPECIAL ACCESSORIES

Refer to section 2.2.

2.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

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3. MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in measurement" (GUM) published by CISPR and ANSI.

- Uncertainty of Conducted Emission, Uc = ±3.2 dB
- Uncertainty of Radiated Emission below 1GHz, Uc = ±3.9 dB
- Uncertainty of Radiated Emission above 1GHz, Uc = ±4.8 dB

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4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION		
K to Miles 1 The to	Low channel TX		
© 2	Middle channel TX		
3	High channel TX		
4	Normal Operating (BT)		

Note:

- 1. Only the result of the worst case was recorded in the report, if no other cases.
- 2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

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5. SYSTEM TEST CONFIGURATION

5.1 CONFIGURATION OF TESTED SYSTEM

5.2 EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	Backup Camera	ZURCBKUAL	2AFZB-ZURCBKUALZ	EUT Address

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
15.247	Peak Output Power	Compliant
15.247	6 dB Bandwidth	Compliant
15.247	Conducted Spurious Emission and Band Edges	Compliant
15.247	Maximum Conducted Output Power Density	Compliant
15.247&15.209	Radiated Emission	Compliant
15.207	Conducted Emission	N/A

NOTE: N/A stands for not applicable. The device is only used in the car, so the conducted emission is not applicable.

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6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd		
Location	1-2F., Bldg.2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District B112-B113, Bldg.12, Baoan Bldg Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen 518012		
NVLAP LAB CODE	600153-0		
Designation Number	CN5028		
FCC Test Firm Registration Number	682566		
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by National Voluntary Laboratory Accreditation program, NVLAP Code 600153-0		

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI 6	10096	Jun.12, 2018	Jun.11, 2019
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec .08, 2017	Dec. 07, 2018
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep. 20, 2017	Sep. 19, 2018
preamplifier	ChengYi	EMC184045SE	980508	Sep. 15, 2017	Sep. 14, 2018
Active loop antenna (9K-30MHz)	A.H.	SAS-562B	N/A	Mar. 01, 2018	Feb. 28, 2019
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May 18, 2017	May 17, 2019
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-205	Jun.12, 2018	Jun.11, 2019
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep. 28, 2017	Sep. 27, 2018

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7. PEAK OUTPUT POWER

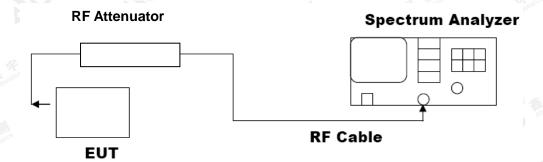
7.1. MEASUREMENT PROCEDURE

For peak power test:

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. RBW ≥ DTS bandwidth
- 3. VBW≥3*RBW.
- 4. SPAN≥VBW.
- 5. Sweep: Auto.
- 6. Detector function: Peak.
- 7. Trace: Max hold.

Allow trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power, after any corrections for external attenuators and cables.

7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) PEAK POWER TEST SETUP



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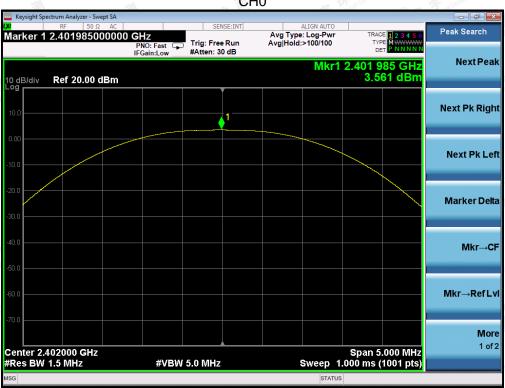


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7.3. LIMITS AND MEASUREMENT RESULT

	PEAK OUTPUT POWER MEASURI FOR GFSK MOUDULA		
Frequency (GHz)	Peak Power (dBm)	Applicable Limits (dBm)	Pass or Fail
2.402	3.561	30	Pass
2.440	4.324	30	Pass
2.480	4.031	30	Pass

CH₀



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CH19



CH39



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8. 6 DB BANDWIDTH

8.1. MEASUREMENT PROCEDURE

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW ≥ 3×RBW.
- 4. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to ANSI C63.10 for compliance to FCC PART 15.247 requirements.

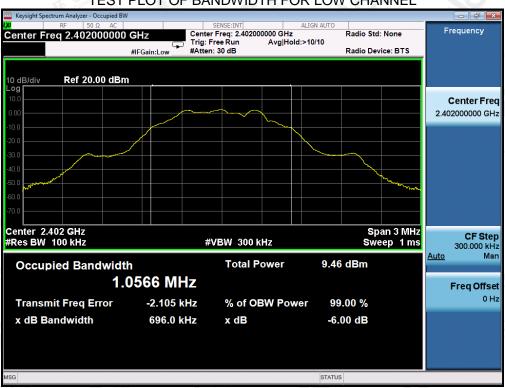
8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 7.2.

8.3. LIMITS AND MEASUREMENT RESULTS

	LIMITS AND MEASURE	MENT RESULT				
Applicable Limits	Applicable Limits					
	Test Data (I	Criteria				
>500KHZ	Low Channel	696.0	PASS			
	Middle Channel	583.8	PASS			
	High Channel	709.7	PASS			

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



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TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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9. CONDUCTED SPURIOUS EMISSION

9.1. MEASUREMENT PROCEDURE

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2, Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set SPA Trace 1 Max hold, then View.

Note: The EUT was tested according to ANSI C63.10 for compliance to FCC PART 15.247 requirements.

9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 7.2.

9.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6.

9.4. LIMITS AND MEASUREMENT RESULT

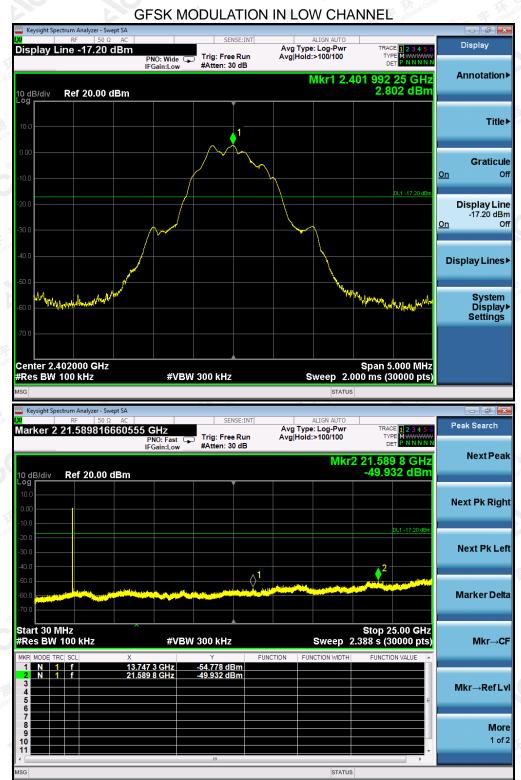
LIMITS AND MEASUREMENT RESULT						
Annilla alda I limita	Measurement Result					
Applicable Limits	Test Data	Criteria				
In any 100 KHz Bandwidth Outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest level of the desired power.	At least -20dBc than the reference level	PASS PASS				

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TEST RESULT FOR ENTIRE FREQUENCY RANGE

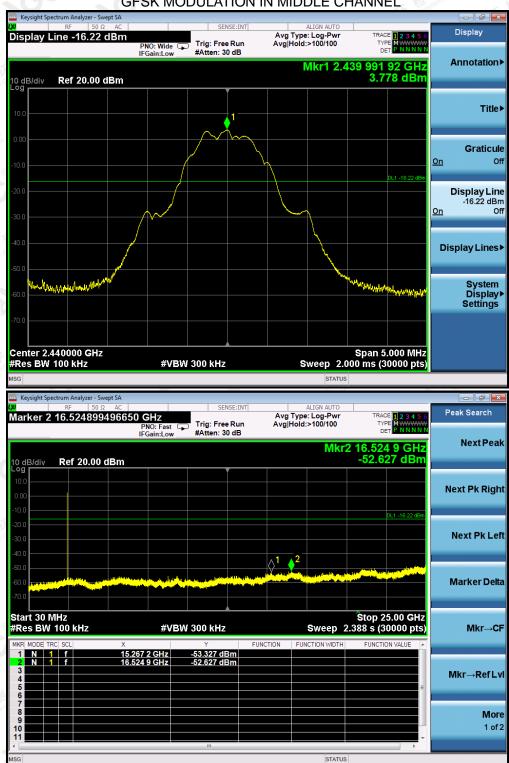


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GFSK MODULATION IN MIDDLE CHANNEL



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GFSK MODULATION IN HIGH CHANNEL Center Freq 2.480000000 GHz Frequency Avg Type: Log-Pwr Avg|Hold:>100/100 Trig: Free Run #Atten: 30 dB **Auto Tun** Mkr1 2.479 737 91 GHz 3.555 dBn 10 dB/div Ref 20.00 dBm Center Freq 2.480000000 GHz Start Fred 2.477500000 GH Stop Freq 2.482500000 GHz CF Step 500.000 kHz <u>Auto</u> Mar Freq Offset Scale Type Center 2.480000 GHz #Res BW 100 kHz Span 5.000 MHz Sweep 2.000 ms (30000 pts) **#VBW** 300 kHz Peak Search Avg Type: Log-Pw Avg|Hold:>100/100 rker 2 21.026308210274 GHz **Next Peal** Mkr2 21.026 3 GHz -50.172 dBm Ref 20.00 dBm **Next Pk Right** Next Pk Lef Marker Delta Start 30 MHz #Res BW 100 kHz Stop 25.00 GHz Sweep 2.388 s (30000 pts) **#VBW** 300 kHz Mkr→CF Mkr→Ref Lv More

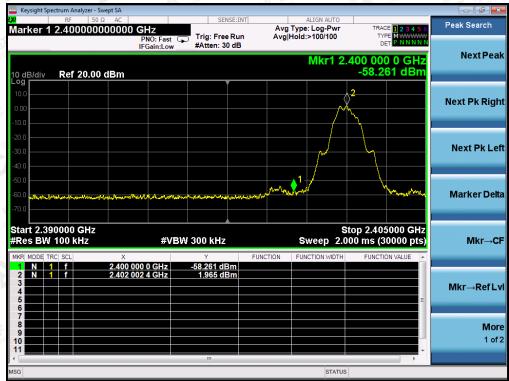
Note: The peak emissions without marker on the above plots are fundamental wave and need not to compare with the limit.

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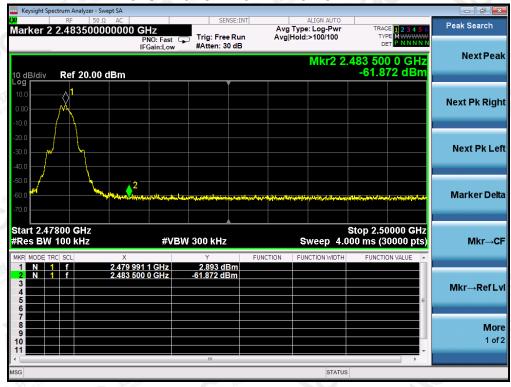
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TEST RESULT FOR BAND EDGE

GFSK MODULATION IN LOW CHANNEL



GFSK MODULATION IN HIGH CHANNEL



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10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

10.1 MEASUREMENT PROCEDURE

- (1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (3). Set SPA Trace 1 Max hold, then View.

Note: The method of PKPSD in the KDB 558074 item 10.2 was used in this testing.

10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer To Section 7.2.

10.3 MEASUREMENT EQUIPMENT USED

Refer To Section 6.

10.4 LIMITS AND MEASUREMENT RESULT

Channel No.	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result	
Low Channel	-14.355	GC 8	Pass	
Middle Channel	-13.162	8	Pass	
High Channel	-12.314	8	Pass	





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TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



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11. RADIATED EMISSION

11.1. MEASUREMENT PROCEDURE

- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8.If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

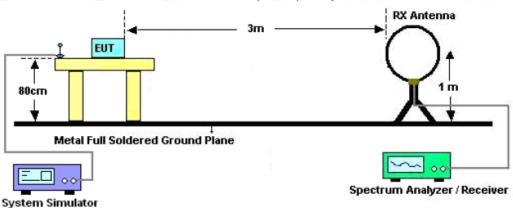
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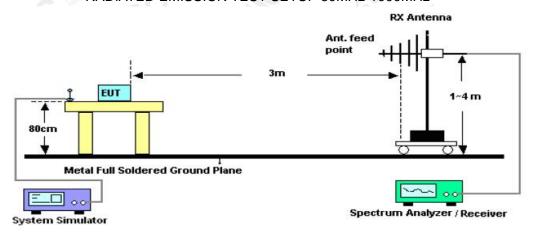
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11.2. TEST SETUP

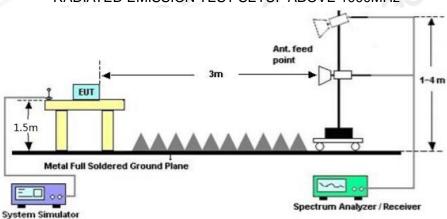
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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11.3. LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)		
0.009~0.490	2400/F(KHz)	300		
0.490~1.705	24000/F(KHz)	30		
1.705~30.0	30	30		
30~88	100	3		
88~216	150	3		
216~960	200	© A A A A A A A A A A A A A A A A A A A		
Above 960	500	3		

Note: All modes were tested For restricted band radiated emission,

the test records reported below are the worst result compared to other modes.

11.4. TEST RESULT

RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

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RADIATED EMISSION BELOW 1GHZ

EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna	Horizontal



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	44.5500	23.75	11.60	35.35	40.00	-4.65	peak			
2	į.	138.3167	23.97	14.41	38.38	43.50	-5.12	peak			
3		199.7500	24.14	11.99	36.13	43.50	-7.37	peak			
4		316.1500	22.55	16.49	39.04	46.00	-6.96	peak			
5		557.0333	5.45	22.66	28.11	46.00	-17.89	peak			
6		877.1333	2.43	28.02	30.45	46.00	-15.55	peak			

RESULT: PASS

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EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 4	Antenna	Vertical



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree		
1	*	44.5500	25.73	8.60	34.33	40.00	-5.67	peak				
2		88.2000	28.79	4.74	33.53	43.50	-9.97	peak				
3		131.8500	25.60	11.80	37.40	43.50	-6.10	peak				
4		201.3667	26.56	9.13	35.69	43.50	-7.81	peak				
5		298.3667	20.86	15.36	36.22	46.00	-9.78	peak		·		
6		772.0500	1.30	26.93	28.23	46.00	-17.77	peak		·		

RESULT: PASS

- 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.
- 2. All test modes had been tested. The mode 4 is the worst case and recorded in the report.

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RADIATED EMISSION ABOVE 1GHZ

EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4804.011	46.52	7.12	53.64	74	-20.36	peak
4804.011	41.61	7.12	48.73	54	-5.27	AVG
7206.022	42.23	9.84	52.07	74	-21.93	peak
7206.022	36.18	9.84	46.02	54	-7.98	AVG
The Monday of Glob	(a) The state of Global	® A tallon of G		(6)		
Attest	Allesta	Alle			ad.	1107
Remark:					AST MANOR	TK KEL
· 4 A 4	Fastan I Os	ا ممما ملما	Dun			

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4804.011	43.69	7.12	50.81	74	-23.19	peak
4804.011	40.75	7.12	47.87	54	-6.13	AVG
7206.022	41.46	9.84	51.3	74	-22.7	peak
7206.022	36.38	9.84	46.22	54	-7.78	AVG
				- All	15 " " " " " " " " " " " " " " " " " " "	- 43
	Till)	100	私	Compilant	* Sylpal Count	Attestation

Factor = Antenna Factor + Cable Loss - Pre-amplifier.

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EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4880.005	45.49	7.12	52.61	74	-21.39	peak
4880.005	41.77	7.12	48.89	54	-5.11	AVG 0
7320.140	40.59	9.84	50.43	74	-23.57	peak
7320.140	34.81	9.84	44.65	54	-9.35	AVG
(R) (Globa)	Global Co	® # alion of GI				
Attestant	Attestation	Allesu				lline
Remark:					AST TOO	The mallarios
Factor = Ante	enna Factor + Ca	ble Loss – F	Pre-amplifier.	2. 9	1 al Compili	- F (Global Co
		-11111			101 0	

EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4880.050	43.36	7.12	50.48	74	-23.52	peak
4880.050	38.79	7.12	45.91	54	-8.09	AVG
7320.080	40.62	9.84	50.46	74	-23.54	peak
7320.080	35.51	9.84	45.35	54	-8.65	AVG
	The continues	F Goldal Camplian	Salahan Good	R Attests	onofor	90
Remark:	on of the state of	station of	20	G		
actor = Ante	enna Factor + C	able Loss – I	Pre-amplifier.	711		-1111

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EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4960.012	46.53	7.12	53.65	74	-20.35	peak
4960.012	42.79	7.12	49.91	54	-4.09	AVG
7440.027	43.42	9.84	53.26	74	-20.74	peak
7440.027	38.88	9.84	48.72	54	-5.28	AVG
The Sold Global	G - F Global Co	® # Sion of G	300	_ (3)		
Allestand	Allestation	Attesta			2.6	lline
emark:					42 - 31111	Kil poliane
actor = Ante	enna Factor + Ca	ble Loss –	Pre-amplifier.	J J	L Pal Combine	(Global Co

EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

			Mark and	Jamphe Manus		Glor
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB) @ 4	(dBµV/m)	(dBµV/m)	(dB)	value Type
4960.013	44.74	7.12	51.86	74	-22.14	peak
4960.013	40.81	7.12	47.93	54	-6.07	AVG
7440.027	41.53	9.84	51.37	74	-22.63	peak
7440.027	37.42	9.84	47.26	54	-6.74	AVG
	AST "Suce	The Manual of the Control of the Con	F (Glob)	(C) (E)	Son of Globe	G F
	FN Dal Comp	Global C	The station of	Allesh		
Remark:	ijon of C	estation	20	0		
actor = Ante	enna Factor + C	able Loss -	Pre-amplifier.			-11111

RESULT: PASS

Note:

Other emissions from 1G to 25 GHz are considered as ambient noise. No recording in the test report.

Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

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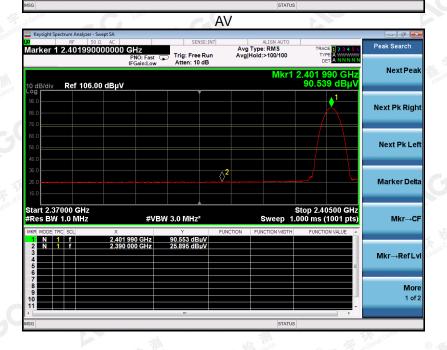


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TEST RESULT FOR RESTRICTED BANDS REQUIREMENTS

EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal





RESULT: PASS

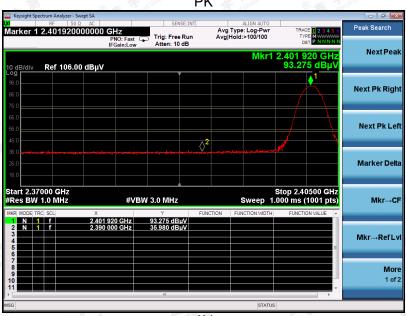
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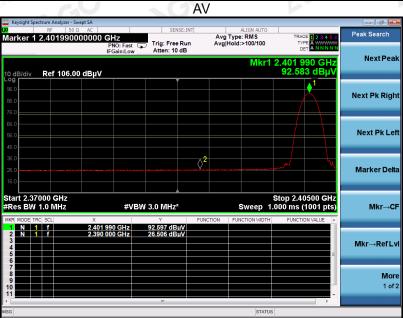


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EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical







RESULT: PASS

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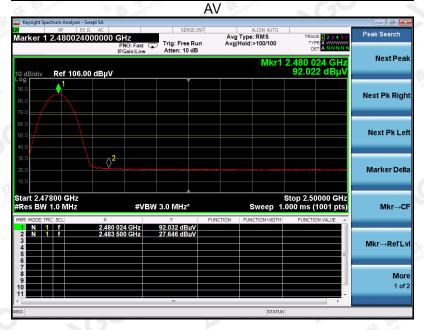


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EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal







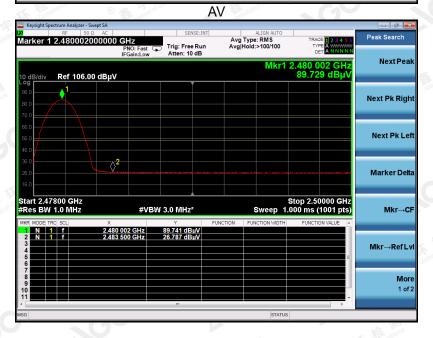
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EUT	Backup Camera	Model Name	ZURCBKUAL
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical





RESULT: PASS

Note: The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μ V) to represent the Amplitude. Use the F dB(μ V/m) to represent the Field Strength. So A=F.

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APPENDIX A: PHOTOGRAPHS OF TEST SETUP

RADIATED EMISSION TEST SETUP BELOW 1GHZ



RADIATED EMISSION TEST SETUP ABOVE 1GHZ



----END OF REPORT----

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