

Report No.: KSCR220700122801

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Test Report

Application No.:KSCR2207001228ATFCC ID:2ADTD-K1T320EFX

Applicant: Hangzhou Hikvision Digital Technology Co., Ltd.

Address of Applicant: No.555 Qianmo Road, Binjiang District Hangzhou 310052, China

Manufacturer: Hangzhou Hikvision Digital Technology Co., Ltd.

Address of Manufacturer: No.555 Qianmo Road, Binjiang District Hangzhou 310052, China

Factory: 1.Hangzhou Hikvision Technology Co., Ltd. 2.Hangzhou Hikvision Electronics Co., Ltd.

3. Chongqing Hikvision Technology Co., Ltd., 4. WuHan Hikvision Technology Co.Ltd

Address of Factory: 1.No.700,Dongliu Road, Binjiang District, Hangzhou Ctiy,Zhejiang, 310052,

China

2.No.299, Qiushi Road, Tonglu Economic Development Zone, Tonglu County,

Hangzhou, Zhejiang, 310052, China.

3. NO.118.Haikang Road, Area C, Jiangiao Industrial Park, Dadukou

District, Chongqing, 401325, China.

4.No.12, Wenhua Road, Zhifang Street, Jiangxia District, Wuhan City

Equipment Under Test (EUT):

EUT Name: Face Recognition Terminal

Model No.: DS-K1T320EFX,DS-K1T320EX,DS-K1T320EXUHK,DS-K1T320EXCKV,

DSK1T320EXUVS,DS-K1T320EXKVO,DS-K1T320EXHUN.

Please refer to section 2 of this report which indicates which model was

actually tested and which were electrically identical.

Standard(s): 47 CFR Part 15, Subpart C

Date of Receipt: 2022-07-15

Date of Test: 2022-07-26 to 2022-07-26

Date of Issue: 2022-07-28

Test Result: Pass*





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^{*} In the configuration tested, the EUT complied with the standards specified above.



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Revision Record					
Version	Chapter	Date	Modifier	Remark	
01		2022-07-28		Original	

Authorized for issue by:		
	Damon zhou	
	Damon_Zhou/Project Engineer	-
	Esia fri	
	Eric Lin/Reviewer	-



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Test Summary 2

Radio Spectrum Technical Requirement					
Item	Standard	Method	Requirement	Result	
Antenna Requirement	47 CFR Part 15, Subpart C	N/A	47 CFR Part 15, Subpart C 15.203	Pass	

Radio Spectrum Matter Part						
Item	Standard	Method	Requirement	Result		
20dB Bandwidth		ANSI C63.10 (2013) Section 6.9.2	47 CFR Part 15, Subpart C 15.215	Pass		
Radiated Emissions (9kHz-30MHz)		ANSI C63.10 (2013) Section 6.4	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass		
Radiated Emissions (30MHz-1GHz)		ANSI C63.10 (2013) Section 6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass		
Conducted Emissions at AC Mains Power Port (150kHz-30MHz)		ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass		

Declaration of EUT Family Grouping:

There are series models mentioned in this report, and they are the identical in electrical and electronic characters. Only the model DS-K1T320EFX was tested since their differences were the model number and appearance.



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 12V
Antenna Type	Loop Antenna
Modulation Type	ASK
Number of Channels	1
Operation Frequency	125kHz

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
AC Adapter	DVE	DSA-12G-12FEU	/

4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 10 ⁻⁸
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
8	RF Radiated Power	5.2dB (Below 1GHz)
0	Kr Kadiated Fowei	5.9dB (Above 1GHz)
		4.2dB (Below 30MHz)
9	Dadiated Courieus Francisco Tost	4.5dB (30MHz-1GHz)
9	Radiated Spurious Emission Test	5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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4.4 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation Park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

Note:

1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).

2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS

Compliance Certification Services (Kunshan) Inc. is accredited by the China National Accreditation Service for Conformity Assessment (CNAS). Registration No. CNAS L4354

A2LA

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• ISED

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 2324E

VCCI

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

1 2 3 4 5 6	Equipment ted Emission at Mains Terr EMI Test Receive LISN LISN Pulse Limiter CE test Cable Test Software ducted Test Spectrum Analyzer Spectrum Analyzer Spectrum Analyzer	Manufacturer minals (150kHz-30M R&S R&S Schwarzbeck R&S Thermax Farad Keysight Keysight	ESCI ENV216 NNLK 8129 ESH3-Z2 / EZ-EMC	KS301101 KS301197 KS301091 KUS1902E001 CZ301102	01/22/2022 01/22/2022 01/22/2022 01/22/2022 01/22/2022 11/14/2021 N.C.R	01/21/2023 01/21/2023 01/21/2023 01/21/2023 11/13/2022
1 2 3 4 5 6 RF Cond 1 2 3	EMI Test Receive LISN LISN Pulse Limiter CE test Cable Test Software ducted Test Spectrum Analyzer Spectrum Analyzer	R&S R&S Schwarzbeck R&S Thermax Farad Keysight	ESCI ENV216 NNLK 8129 ESH3-Z2 / EZ-EMC	KS301197 KS301091 KUS1902E001	01/22/2022 01/22/2022 01/22/2022 11/14/2021	01/21/2023 01/21/2023 01/21/2023
2 3 4 5 6 RF Cond 1 2 3	LISN LISN Pulse Limiter CE test Cable Test Software ducted Test Spectrum Analyzer Spectrum Analyzer	R&S Schwarzbeck R&S Thermax Farad Keysight	ENV216 NNLK 8129 ESH3-Z2 / EZ-EMC	KS301197 KS301091 KUS1902E001	01/22/2022 01/22/2022 01/22/2022 11/14/2021	01/21/2023 01/21/2023 01/21/2023
3 4 5 6 RF Cond 1 2 3	LISN Pulse Limiter CE test Cable Test Software ducted Test Spectrum Analyzer Spectrum Analyzer	Schwarzbeck R&S Thermax Farad Keysight	NNLK 8129 ESH3-Z2 / EZ-EMC	KS301091 KUS1902E001	01/22/2022 01/22/2022 11/14/2021	01/21/2023 01/21/2023
4 5 6 RF Cond 1 2 3	Pulse Limiter CE test Cable Test Software ducted Test Spectrum Analyzer Spectrum Analyzer	R&S Thermax Farad Keysight	ESH3-Z2 / EZ-EMC	KUS1902E001	01/22/2022 11/14/2021	01/21/2023
5 6 RF Cond	CE test Cable Test Software ducted Test Spectrum Analyzer Spectrum Analyzer	Thermax Farad Keysight	/ EZ-EMC		11/14/2021	
6 RF Cond	Test Software ducted Test Spectrum Analyzer Spectrum Analyzer	Farad Keysight		/		
1 2 3	ducted Test Spectrum Analyzer Spectrum Analyzer	Keysight		,	14.0.11	N.C.R
1 2 3	Spectrum Analyzer Spectrum Analyzer		NOOOOA			14.0.11
2 3	Spectrum Analyzer		N9020A	KUS1911E004-2	10/11/2021	10/10/2022
3	· · · · · · · · · · · · · · · · · · ·		N9020A	KUS2001M001-2	09/17/2021	09/16/2022
	opodiam / maryzor	Keysight	N9030B	KSEM021-1	01/22/2022	01/21/2023
-	Signal Generator	R&S	SMW200A	KSEM020-1	10/12/2021	10/11/2022
	Ü			KUS2001M001-		
5	Signal Generator	Agilent	N5182A	1	08/27/2021	08/26/2022
6	Radio Communication Test Station	Anritsu	MT8000A	KSEM001-1	09/23/2021	09/22/2022
7	Radio Communication Analyzer	Anritsu	MT8821C	KSEM002-1	04/01/2022	03/31/2023
8	Universal Radio Communication Tester	R&S	CMW500	KUS1911E004-1	10/12/2021	10/11/2022
9	Switcher	CCSRF	FY562	KUS2001M001-3	10/12/2021	10/11/2022
10	AC Power Source	EXTECH	6605	KS301178	N.C.R	N.C.R
11	DC Power Supply	Aglient	E3632A	KS301180	N.C.R	N.C.R
12	Conducted Test Cable	Thermax	RF01-RF04	CZ301111- CZ301120	01/16/2022	01/15/2023
13	Temp. / Humidity Chamber	TERCHY	MHK-120AK	KS301190	04/01/2021	03/31/2023
14	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-5	04/01/2021	03/31/2023
15	Software	BST	TST-PASS	1	N/A	N/A
RF Radia	ated Test					
1	Spectrum Analyzer	R&S	FSV40	KUS1806E003	10/11/2021	10/10/2022
2	Universal Radio Communication Tester	R&S	CMW500	KSEM009-1	04/01/2022	03/31/2023
3	Signal Generator	Agilent	E8257C	KS301066	10/18/2021	10/17/2022
4	Loop Antenna	COM-POWER	AL-130R	KUS1806E001	04/13/2021	04/12/2023
5	Bilog Antenna	TESEQ	CBL 6112D	KUS1806E005	06/29/2021	06/28/2023
6	Bilog Antenna	SCHWARZBECK	VULB9160	CZ301016	04/13/2021	04/12/2024
7	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	KS301079	10/26/2020	10/25/2022
8	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	KS301186	02/22/2021	02/21/2023
	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	CZ301058	03/22/2022	03/21/2023
10	Amplifier(30MHz~18GHz)	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-1	01/22/2022	01/21/2023
11	Amplifier(18~40GHz)	COM-POWER	PAM-840A	KUS1710E001	01/22/2022	01/21/2023
12	RE Test Cable	REBES MICROWAVE	1	CZ301097	11/14/2021	11/13/2022
13	Temperature & Humidity Recorder	Renke Control	RS-WS-N01-6J	KSEM024-4	01/04/2022	31/03/2023
14	Software	Faratronic	EZ EMC-v 3A1	/	N/A	N/A



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

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 antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. Refer to internal photos



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7 Radio Spectrum Matter Test Results

7.1 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215 Test Method: ANSI C63.10 (2013) Section 6.9.2

Limit:

For report reference only

7.1.1 E.U.T. Operation

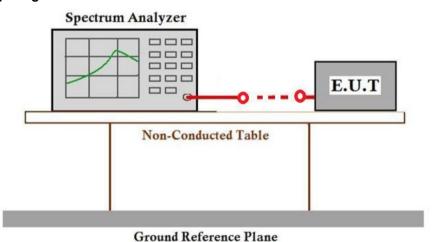
Operating Environment:

Temperature: 21.0 °C Humidity: 52.4 % RH Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.2 Radiated Emissions (9kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4

Limit:

Frequency(MHz)	Field strength(microvolts/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

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

If field strength is measured at only a single point, then that point shall be at the radial from the EUT that produces the maximum emission at the frequency being measured, as described in 5.4. If that point is closer to the EUT than $\lambda/2\pi$ and the limit distance is greater than $\lambda/2\pi$, the measurement shall be extrapolated to the limit distance by conservatively presuming that the field strength decreases at a 40 dB/decade of distance rate to the $\lambda/2\pi$ distance, and at a 20 dB/decade of distance rate beyond $\lambda/2\pi$. This shall be accomplished using Equation (2):

$$FS_{(10m)} = FS_{(30/300m)} + 40log\{d_{(near field)}/d_{(10m)}\} + 20log\{d_{(30/300m)}/d_{(near field)}\}$$
(2)

If the single point measured is at a distance greater than $\lambda/2\pi$, then extrapolation to the limit distance shall be calculated using Equation (3):

$$FS_{(10m)} = FS_{(30/300m)} + 20log\{d_{(30/300m)}/d_{(10m)}\}$$
(3)

If both the single point and the limit distance are equal to or closer to the EUT than $\lambda/2\pi$, then extrapolation to the limit distance shall be calculated using Equation (4):

$$FS_{(10m)} = FS_{(30/300m)} + 40log\{d_{(30/300m)}/d_{(10m)}\}$$
(4)

Remark:

 $d_{\text{near field}} = 47.77 / f_{\text{MHz}}$

where f_{MHz} is the frequency of the emission being measured in MHz.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 21.0 °C Humidity: 52.3 % RH Atmospheric Pressure: 1010 mbar



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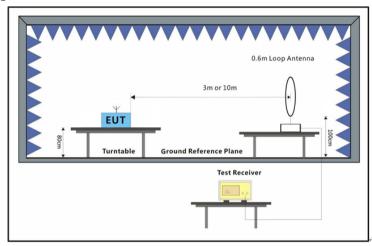
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7.2.2 Test Mode Description

	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

- a. All radiated emission measurements in terms of magnetic field strength shall be performed with a shielded loop antenna.
- b. For all radiated emission measurements in terms of magnetic field strength, the loop antenna were placed such that:
- i. its centre shall be at 1.3 m height above the ground plane;
- ii. the projection of its centre onto the ground plane shall be at the specified measurement distance from the projection on the ground plane of the closest point on the boundary of the equipment under test (EUT); and
- iii. measurements shall be performed with the loop antenna placed vertically, in turn, in two polarizations (the measurement axis specified below is the line segment connecting the projections on the ground plane of the centre of the loop antenna and the centre of the EUT arrangement):
- · coaxial (loop plane perpendicular to the ground plane and to the measurement axis); and
- · coplanar (loop plane perpendicular to the ground plane and coplanar with the measurement axis).

Please Refer to Appendix for Details



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7.3 Radiated Emissions (30MHz-1GHz)

47 CFR Part 15, Subpart C 15.205 & 15.209 Test Requirement

Test Method: ANSI C63.10 (2013) Section 6.5

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector.

7.3.1 E.U.T. Operation

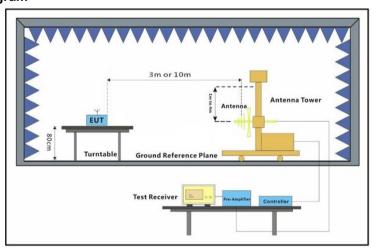
Operating Environment:

Temperature: 21.0 °C Humidity: 52.2 % RH Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

		501.ption
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

7.3.3 Test Setup Diagram





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7.3.4 Measurement Procedure and Data

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground for below 1GHz at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. 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.
- 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 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. 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.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Please Refer to Appendix for Details



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7.4 Conducted Emissions at AC Mains Power Port (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Francisco of amicaian/MII-	Conducted limit(dBμV)				
Frequency of emission(MHz)	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 fro	equency.				

7.4.1 E.U.T. Operation

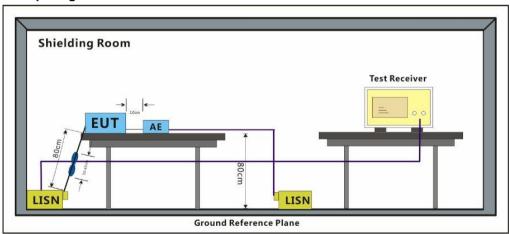
Operating Environment:

Temperature: 21.0 °C Humidity: 52.2 % RH Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

7.4.3 Test Setup Diagram





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7.4.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50 \text{ohm}/50 \mu\text{H} + 5 \text{ohm}$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor



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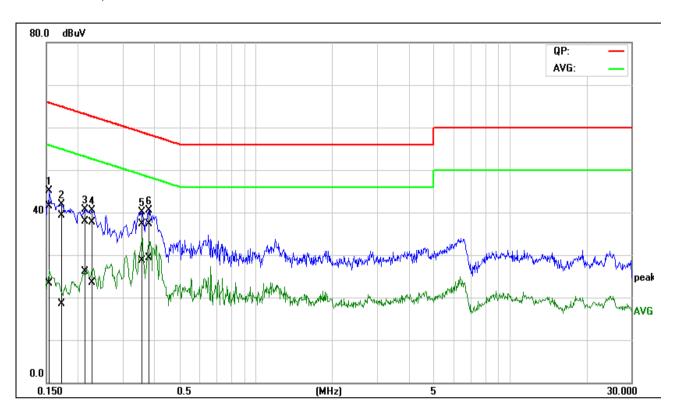
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Test Mode: 00; Line: Live line



No.	Frequency	QuasiPeak	Average	Correction	QuasiPeak	Average	QuasiPeak	Average	QuasiPeak	Average	Remark
		reading	reading	factor	result	result	limit	limit	margin	margin	
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1540	22.02	3.83	19.50	41.52	23.33	65.78	55.78	-24.26	-32.45	Pass
2	0.1721	19.75	-0.98	19.50	39.25	18.52	64.85	54.86	-25.60	-36.34	Pass
3	0.2127	18.35	6.62	19.50	37.85	26.12	63.10	53.10	-25.25	-26.98	Pass
4	0.2268	18.12	3.91	19.50	37.62	23.41	62.56	52.57	-24.94	-29.16	Pass
5	0.3502	17.73	9.11	19.52	37.25	28.63	58.96	48.96	-21.71	-20.33	Pass
6*	0.3790	17.72	9.80	19.53	37.25	29.33	58.30	48.30	-21.05	-18.97	Pass



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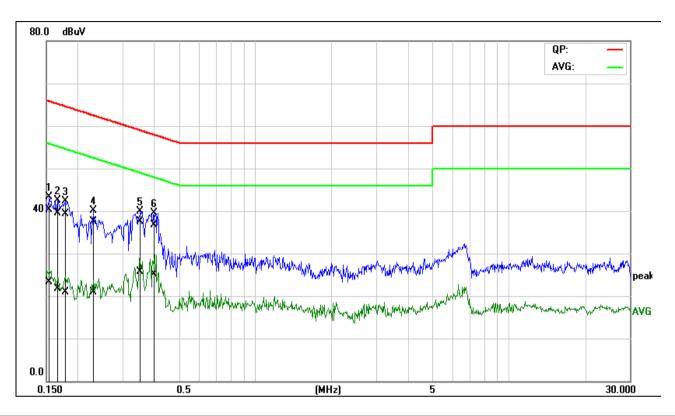
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Test Mode: 00; Line: Neutral Line



No.	Frequency	QuasiPeak	Average	Correction	QuasiPeak	Average	QuasiPeak	Average	QuasiPeak	Average	Remark
		reading	reading	factor	result	result	limit	limit	margin	margin	
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1540	20.77	3.74	19.48	40.25	23.22	65.78	55.78	-25.53	-32.56	Pass
2	0.1660	20.08	2.26	19.48	39.56	21.74	65.15	55.16	-25.59	-33.42	Pass
3	0.1806	19.76	1.36	19.49	39.25	20.85	64.45	54.46	-25.20	-33.61	Pass
4	0.2300	17.92	1.37	19.49	37.41	20.86	62.45	52.45	-25.04	-31.59	Pass
5	0.3520	18.01	6.18	19.51	37.52	25.69	58.91	48.92	-21.39	-23.23	Pass
6*	0.3980	17.11	5.53	19.52	36.63	25.05	57.89	47.90	-21.26	-22.85	Pass



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2207001228AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2207001228AT



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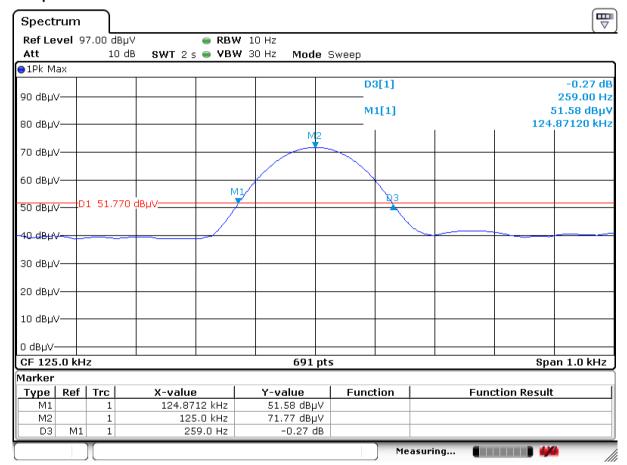
10 Appendix

Appendix for KSCR2207001228AT

1. 20dB Bandwidth

20dB bandwidth (Hz)	Result
259.0	Pass

Test plot as follows:





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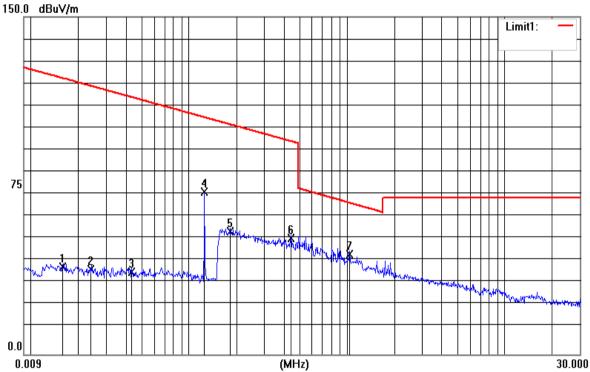


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2. Radiated Emissions(9kHz-30MHz)

Horizontal



Item	Freq.	Read Level	Correct Factor	Result Level@3m	Result Level@SPEC	Limit Line@SPEC	Over Limit	Detector
(Mark)	(MHz)	(dBµV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0160	22.77	15.93	38.70	-41.30	42.65	-83.95	QP
2	0.0240	21.94	15.84	37.78	-42.22	39.24	-81.46	QP
3	0.0434	21.09	15.63	36.72	-43.28	34.24	-77.52	QP
4	0.1252	57.31	14.72	72.03	-7.97	25.31	-33.28	peak
5	0.1824	39.93	14.45	54.38	-25.62	22.13	-47.75	QP
6	0.4444	37.01	14.42	51.43	-28.57	14.62	-43.19	QP
7	1.0430	29.96	14.36	44.32	4.32	27.26	-22.94	QP



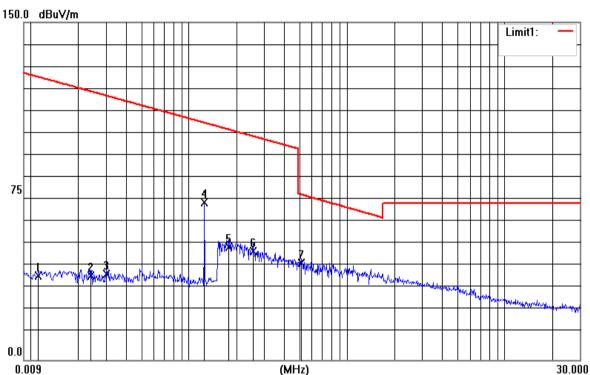
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Vertical



Item	Freq.	Read Level	Correct Factor	Result Level@3m	Result Level@SPEC	Limit Line@SPEC	Over Limit	Detector
(Mark)	(MHz)	(dBµV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0111	21.25	15.99	37.24	-42.76	45.74	-88.5	QP
2	0.0240	21.58	15.84	37.42	-42.58	39.24	-81.82	QP
3	0.0298	22.37	15.78	38.15	-41.85	37.41	-79.26	QP
4	0.1252	55.11	14.72	69.83	-10.17	25.31	-35.48	peak
5	0.1768	35.76	14.45	50.21	-29.79	22.40	-52.19	QP
6	0.2548	33.74	14.44	48.18	-31.82	19.31	-51.13	QP
7	0.5128	28.58	14.41	42.99	2.99	33.41	-30.42	QP



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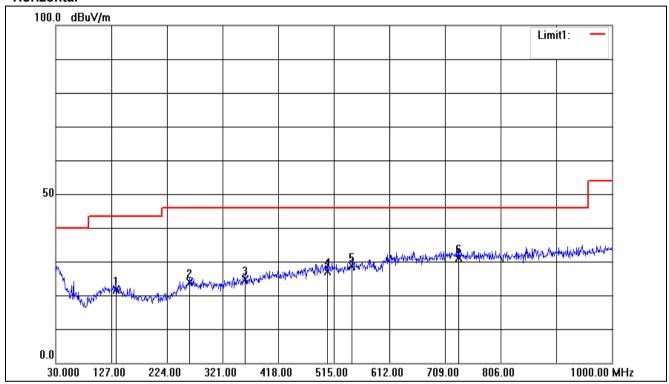


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3. Below 1GHz

Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	134.7600	2.45	19.11	21.56	43.50	-21.94	QP
2	263.7700	2.77	21.02	23.79	46.00	-22.21	QP
3	360.7700	2.51	22.24	24.75	46.00	-21.25	QP
4	503.3600	1.25	25.76	27.01	46.00	-18.99	QP
5	547.0100	1.45	27.14	28.59	46.00	-17.41	QP
6	732.2800	2.40	28.77	31.17	46.00	-14.83	QP



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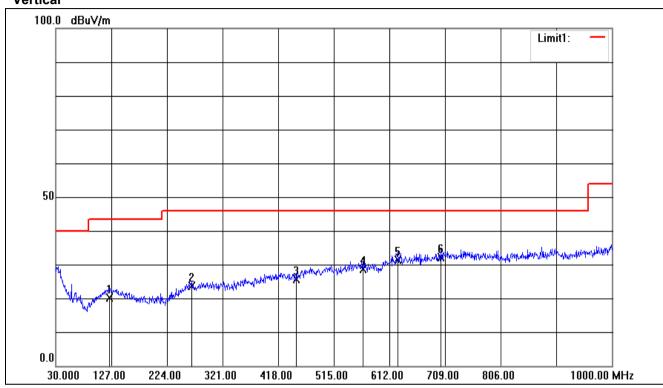
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Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	123.1200	0.84	19.41	20.25	43.50	-23.25	QP
2	267.6500	2.98	20.70	23.68	46.00	-22.32	QP
3	449.0400	1.52	24.23	25.75	46.00	-20.25	QP
4	565.4400	1.23	27.39	28.62	46.00	-17.38	QP
5	626.5500	4.02	27.38	31.40	46.00	-14.60	QP
6	702.2100	2.47	29.57	32.04	46.00	-13.96	QP

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