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TEST REPORT

Application No.:	SHEM2006004879CR
FCC ID:	2ADTD-K1108AEK
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.Hangzhou Hikvision Digital 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.555 Qianmo Road, Binjiang District Hangzhou 310052,China
Equipment Under Test (EUT	Г):
EUT Name:	Card reader
Model No.:	DS-K1108AEK,DS-K1108AE,DS-K1108AEKUHK,DS-K1108AEKCKV,DS- K1108AEKUVS,DS-K1108AEKKVO,DS-K1108AEKHUN,DS- K1108AEUHK,DS-K1108AECKV,DS-K1108AEUVS,DS-K1108AEKVO,DS- K1108AEHUN¤
¤	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade mark:	HIKVISION
Standard(s) :	47 CFR Part 15, Subpart C 15.209
Date of Receipt:	2020-06-29
Date of Test:	2020-06-28 to 2020-07-09
Date of Issue:	2020-07-13
Test Result:	Pass*

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

parlan share

Parlam Zhan E&E Section Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.



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Revision Record				
Version	Description	Date	Remark	
00	Original	2020-07-13	/	

Authorized for issue by:			
	pichal Nic		
	Micheal Niu / Project Engineer	-	
	Parlam zhan		
	Parlam Zhan / Reviewer	-	



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2 Test Summary

Radio Spectrum Tech	nical Requirement			
ltem	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.209	N/A	47 CFR Part 15, Subpart C 15.203	Pass

Radio Spectrum Matter Part						
ltem	Standard	Method	Requirement	Result		
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.209	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass		
20dB Bandwidth	47 CFR Part 15, Subpart C 15.209	ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.215	Pass		
Radiated Emissions (9kHz-30MHz)	47 CFR Part 15, Subpart C 15.209	ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.209	Pass		
Radiated Emissions (30MHz-1GHz)	47 CFR Part 15, Subpart C 15.209	ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.209	Pass		

Declaration of EUT Family Grouping:

Note: There are series models mentioned in this report, and they are the similar in electrical and electronic characters. Only the model DS-K1108AEK 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 by adapter
Test voltage:	AC 120V/60Hz
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	0.4%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
0	DE Dedicted Dewer	5.1dB (Below 1GHz)
8	RF Radiated Power	5.9dB (Above 1GHz)
		4.2dB (Below 30MHz)
9	Dedicted Sourious Emission Test	4.5dB (30MHz-1GHz)
9	Radiated Spurious Emission Test	5.1dB (1GHz-6GHz)
		5.4dB (6GHz-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.

4.5 Test Facility

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

CNAS (No. CNAS L4354)

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 2541.01)

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

• FCC – Designation Number: CN1172

Compliance Certification Services Inc. has been recognized as an accredited testing laboratory.

Designation Number: CN1172. Test Firm Registration Number: 995260.

• Industry Canada (IC) - IC Assigned Code: 2324E

The 10m and 3m Semi-anechoic chamber of Compliance Certification Services (Kunshan) Inc. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 2324E-1 for 10m chamber, 2324E-2 for 3m chamber.

• VCCI (Member No.: 1938)

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-1600, C-1707, T-1499, G-10216 respectively.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Item	Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal. Due Date
Cor	nducted Emission at Mains Term	inals (150kHz-30M	Hz)			
1	EMI Test Receive	R&S	ESCI	100781	02/24/2020	02/23/2021
2	LISN	R&S	ENV216	101604	10/24/2019	10/23/2020
3	LISN	Schwarzbeck	NNLK 8129	8129-143	10/24/2019	10/23/2020
4	Pulse Limiter	R&S	ESH3-Z2	100609	02/24/2020	02/23/2021
5	CE test Cable	Thermax	/	14	02/24/2020	02/23/2021
RI	F Conducted Test					
1	Spectrum Analyzer	Agilent	E4446A	MY44020154	04/22/2020	04/21/2021
2	Spectrum Analyzer	Keysight	N9020A	MY55370209	12/19/2019	12/18/2020
3	Signal Generator	Agilent	E8257C	MY43321570	10/24/2019	10/23/2020
4	Vector Signal Generator	R&S	SMU 200A	102744	02/24/2020	02/23/2021
5	Universal Radio Communication Tester	R&S	CMU200	109525	12/19/2019	12/18/2020
6	Universal Radio Communication Tester	R&S	CMW500	159275	12/19/2019	12/18/2020
7	Power Meter	Anritsu	ML2495A	1445010	04/21/2020	04/20/2021
8	Switcher	CCSRF	FY562	KS301219	12/20/2019	12/19/2020
9	AC Power Source	EXTECH	6605	1570106	N.C.R	N.C.R
10	DC Power Supply	Aglient	E3632A	MY50340053	N.C.R	N.C.R
11	6dB Attenuator	Mini-Circuits	NAT-6-2W	15542-1	N.C.R	N.C.R
12	Power Divider	AISI	IOWOPE2068	PE2068	N.C.R	N.C.R
13	Filter	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
14	Conducted test cable	/	RF01-RF04	/	04/21/2020	04/22/2021
15	Temp. / Humidity Chamber	TERCHY	MHK-120AK	X30109	04/21/2020	04/20/2021
RFF	Radiated Test			•		
1	Spectrum Analyzer	R&S	FSV40	101493	01/08/2020	01/07/2021
2	Signal Generator	Agilent	E8257C	MY43321570	10/24/2019	10/23/2020
3	Loop Antenna	Schwarzbeck	HXYZ9170	9170-108	02/24/2020	02/23/2021
4	Bilog Antenna	TESEQ	CBL 6112D	35403	06/22/2019	06/21/2021
5	Bilog Antenna	SCHWARZBECK	VULB9160	9160-3342	04/29/2019	04/28/2021
6	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	267	11/04/2018	11/03/2020
7	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	00143290	02/25/2019	02/24/2021
8	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	BBHA9170171	02/27/2018	02/26/2021
9	Pre-Amplifier(30MHz~18GHz)	CCSRF	AMP1277	1	12/19/2019	12/18/2020
10	Pre-Amplifier(0.1~26.5GHz)	EMCI	EMC012645	980060	04/21/2020	04/20/2021
11	Low Pass Filter	MICRO-TRONICS	VLFX-950	RV142900829	N.C.R	N.C.R
12	High Pass Filter	Mini-Circuits	VHF-1200	15542	N.C.R	N.C.R
13	Filter (5450MHz~5770 MHz)	MICRO-TRONICS	BRC50704-01	2	N.C.R	N.C.R
14	Filter (5690 MHz~5930 MHz)	MICRO-TRONICS	BRC50705-01	4	N.C.R	N.C.R
15	Filter (5150 MHz~5350 MHz)	MICRO-TRONICS	BRC50703-01	2	N.C.R	N.C.R
16	Filter (885 MHz~915 MHz)	MICRO-TRONICS	BRM14698	1	N.C.R	N.C.R
17	Filter (815 MHz~860 MHz)	MICRO-TRONICS	BRM14697	1	N.C.R	N.C.R
18	Filter (1745 MHz \sim 1910 MHz)	MICRO-TRONICS	BRM14700	1	N.C.R	N.C.R
19	Filter (1922 MHz~1977 MHz)	MICRO-TRONICS	BRM50715	1	N.C.R	N.C.R
20	Filter (2550 MHz)	MICRO-TRONICS	HPM13362	5	N.C.R	N.C.R
21	Filter (1532 MHz~1845 MHz)	MICRO-TRONICS	BRM50713	1	N.C.R	N.C.R
22	Filter (2.4GHz)	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
23	RE test cable	/	RE01-RE04	/	04/21/2020	04/22/2021

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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 Loop Antenna and no consideration of replacement.

Antenna location: Refer to Appendix (Internal Photos)



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7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement47 CFR PartTest Method:ANSI C63.10Limit:ANSI C63.10

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

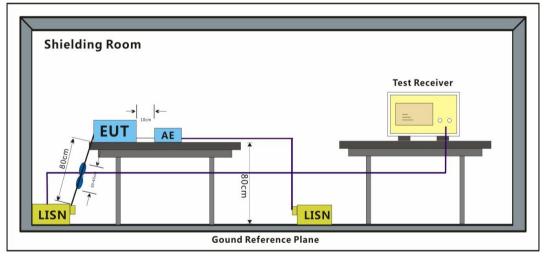
	Conducted limit(dBµV)						
Frequency of emission(MHz)	Quasi-peak	Average					
0.15-0.5	66 to 56*	56 to 46*					
0.5-5	56	46					
5-30	60	50					
*Decreases with the logarithm of the frequency.							

7.1.1 E.U.T. Operation

Operating Environment:

Temperature:23 °CHumidity:45 % RHAtmospheric Pressure:1001 mbarTest modea: TX mode_Keep the EUT in transmitting with modulation mode.

7.1.2 Test Setup Diagram





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7.1.3 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 50ohm/50 μ H + 50hm 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.

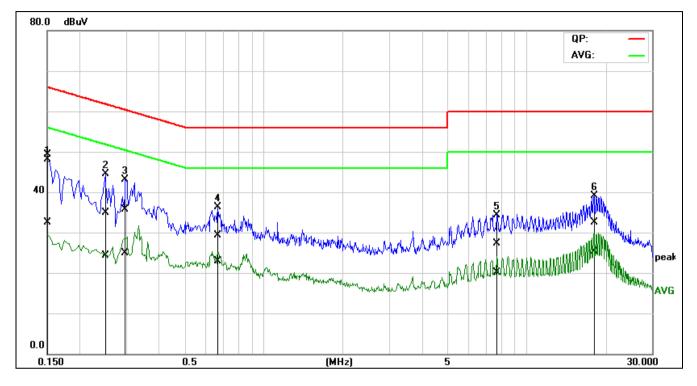
5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

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



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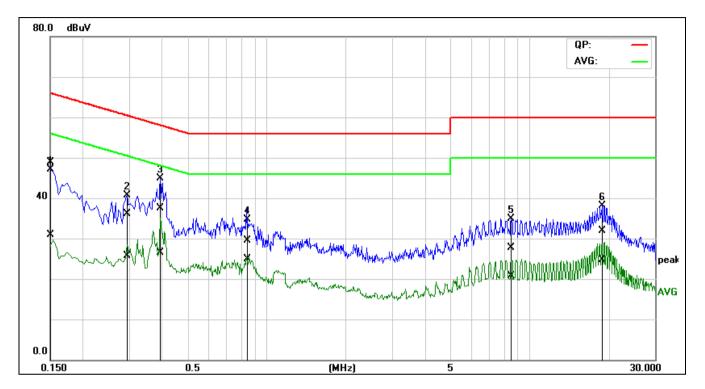
Mode:a; Line:Live Line



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*	0.1500	29.78	13.08	19.45	49.23	32.53	66.00	56.00	-16.77	-23.47	Pass
2	0.2498	15.42	4.89	19.40	34.82	24.29	61.76	51.76	-26.94	-27.47	Pass
3	0.2980	16.29	5.49	19.38	35.67	24.87	60.30	50.30	-24.63	-25.43	Pass
4	0.6741	9.88	3.42	19.48	29.36	22.90	56.00	46.00	-26.64	-23.10	Pass
5	7.7535	7.36	0.29	19.88	27.24	20.17	60.00	50.00	-32.76	-29.83	Pass
6	18.1080	12.26	4.98	20.28	32.54	25.26	60.00	50.00	-27.46	-24.74	Pass



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Mode:a; 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*	0.1518	29.42	11.59	19.40	48.82	30.99	65.90	55.90	-17.08	-24.91	Pass
2	0.2906	16.72	6.36	19.38	36.10	25.74	60.51	50.51	-24.41	-24.77	Pass
3	0.3929	18.07	7.20	19.38	37.45	26.58	58.00	48.00	-20.55	-21.42	Pass
4	0.8517	10.08	5.36	19.51	29.59	24.87	56.00	46.00	-26.41	-21.13	Pass
5	8.5662	7.79	0.79	19.87	27.66	20.66	60.00	50.00	-32.34	-29.34	Pass
6	18.8928	11.70	4.36	20.26	31.96	24.62	60.00	50.00	-28.04	-25.38	Pass



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7.2 20dB Bandwidth

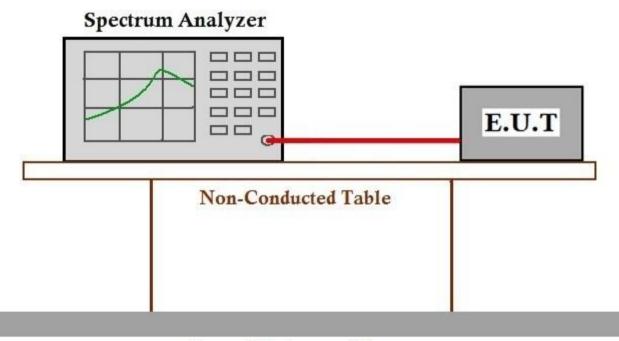
Test Requirement	47 CFR Part 15, Subpart C 15.215
Test Method:	ANSI C63.10 (2013) Section 6.9
Limit:	<200 kHz

7.2.1 E.U.T. Operation

Operating Environment:

Temperature:25 °CHumidity:45 % RHAtmospheric Pressure:1001 mbarTest modea:TX mode_Keep the EUT in continuously transmitting mode

7.2.2 Test Setup Diagram



Ground Reference Plane

7.2.3 Measurement Procedure and Data



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20dB bandwidth (Hz)		Result									
260.500		Pass									
Test plot as follows:	•										
Spectrum Ref Level 66.00 dBµ∀		W 10 Hz									
Att 0 dB 1Pk Max	● Att 0 dB SWT 1 s ● VBW 30 Hz Mode Sweep										
		M2	D1[1] M1[1]		-0.20 dB 260.50 Hz 26.39 dBµV 124.86830 kHz						
40 dBµV											
30 dBµV D1 26.480 dE 20 dBµV			R1								
10 dBµV				\mathbf{h}							
-10-dBµV					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
-20 dBµV -30 dBµV											
CF 125.0 kHz Marker		691 pt	s		Span 1.0 kHz						
Type Ref Trc M1 1 D1 M1 1 M2 1 1	X-value 124.8683 kHz 260.5 Hz 124.9971 kHz	Y-value 26.39 dBµV -0.20 dB 46.48 dBµV	Function	Fund	ction Result						



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7.3 Radiated Emissions (9kHz-30MHz)

Test Requirement	47 CFR Part 15,	Subpart C 15.	209
Test Method:	ANSI C63.10 (20	13) Section 6.	4&6.5
Measurement Distance:	3m		
Limit:			

Frequency(MHz)	Field strength	Limit	Detector	Measurement Distance
	(microvolts/meter)	(dBuV/m)		(meters)
0.009-0.490	2400/F(kHz)	-	-	300
0.490-1.705	24000/F(kHz)	-	-	30
1.705-30	30	-	-	30
30-88	100	40.0	QP	3
88-216	150	43.5	QP	3
216-960	200	46.0	QP	3
960-1000	500	54.0	QP	3
Above 1000	500	54.0	AV	3

NOTE:

(1) For test distance other than what is specified, but fulfilling the requirements of section 15.31(f) (2) the field strength is calculated by adding additionally an extrapolation factor of 40dB/decade (inverse linear distance for field strength measurements).

So the Distance Extrapolation Factor in dB is $40*\log (D_{TEST} / D_{SPEC})$ where $D_{TEST} = Test$ Distance and $D_{SPEC} = Specified$ Distance.

Field strength limit $(dB\mu V/m)@$ test distance= Field strength limit $(dB\mu V/m)@$ specified distance +Distance Extrapolation Factor

(2) The lower limit shall apply at the transition frequencies.

7.3.1 E.U.T. Operation

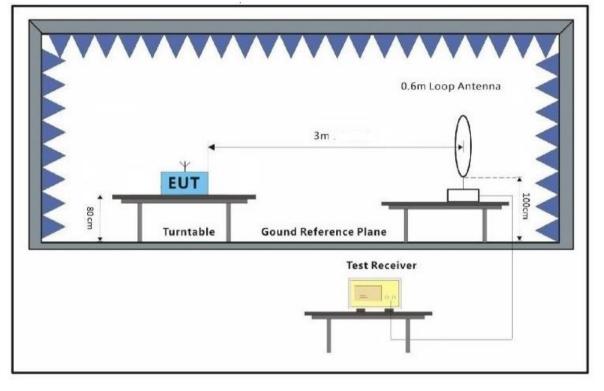
Operating Environment:

Temperature:	23 °C	Humidity: 45	% RH	Atmospheric Pressure:	1001	mbar
Test mode	a:TX mode_l	Keep the EUT in c	ontinuously	transmitting mode		



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7.3.2 Test Setup Diagram

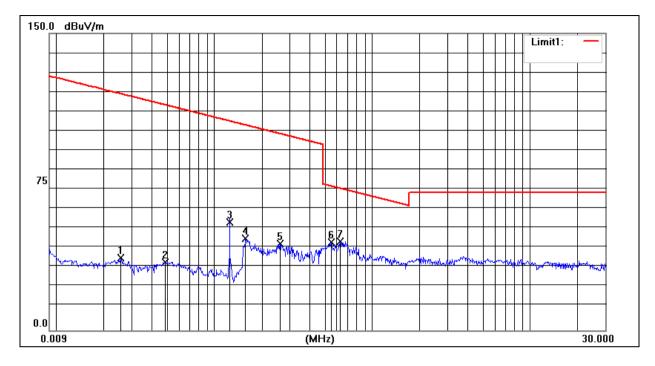


7.3.3 Measurement Procedure and Data

For testing performed with the loop antenna, the center of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specified distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane. Only the worst position of vertical was shown in the report.



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	Freq.	Read Level	Antenna 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	0.0256	21.51	15.05	36.56	-43.44	39.43	-82.87	QP
2	0.0490	19.81	14.66	34.47	-45.53	33.79	-79.32	QP
3	0.1254	39.89	14.77	54.66	-25.34	25.63	-50.97	peak
4	0.1577	31.28	15.09	46.37	-33.63	23.64	-57.27	QP
5	0.2605	28.39	15.19	43.58	-36.42	19.28	-55.70	QP
6	0.5500	29.15	15.20	44.35	4.35	32.80	-28.45	QP
7	0.6260	29.60	15.08	44.68	4.68	31.68	-27.00	QP



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	115510115 (30101112-	10112)					
Test Requireme	ent 47 CFR Pa	rt 15, Subpart C 1	5.209				
Test Method:	ANSI C63.1	ANSI C63.10 (2013) Section 6.4&6.5					
Limit::							
Fraguanay	Field strength	Limit (dDu)//m)	Remark	Measurement			
Frequency	(microvolt/meter)	Limit (dBuV/m)	Remark	distance (m)			
30MHz-88MHz	100	40.0	Quasi-peak	3			
88MHz-216MHz	150	43.5	Quasi-peak	3			
216MHz-960MHz	200	46.0	Quasi-peak	3			
960MHz-1GHz	500	54.0	Quasi-peak	3			

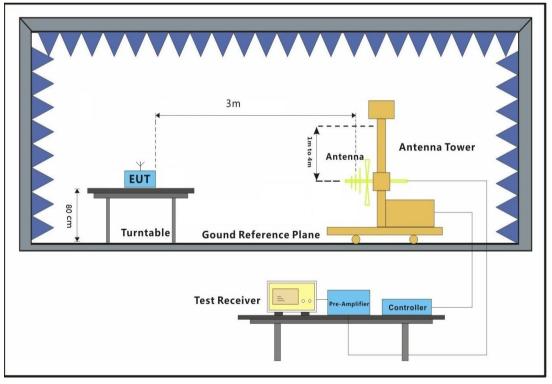
7.4 Radiated Emissions (30MHz-1GHz)

7.4.1 E.U.T. Operation

Operating Environment:

Temperature:23 °CHumidity:45 % RHAtmospheric Pressure:1001mbarTest modea: TX mode_Keep the EUT in transmitting with modulation mode.

7.4.2 Test Setup Diagram





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7.4.3 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 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 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.

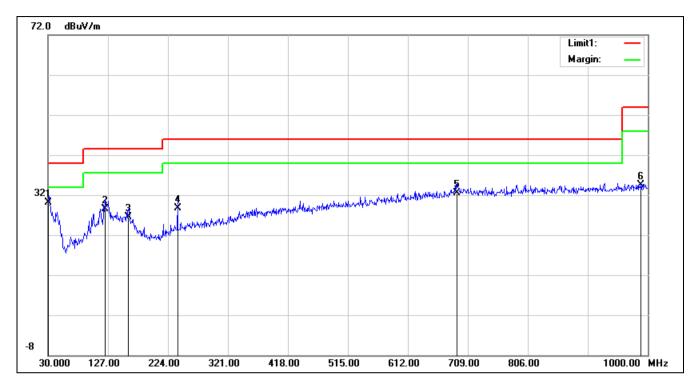
i. Repeat above procedures until all frequencies measured was complete.

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



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Horizontal:

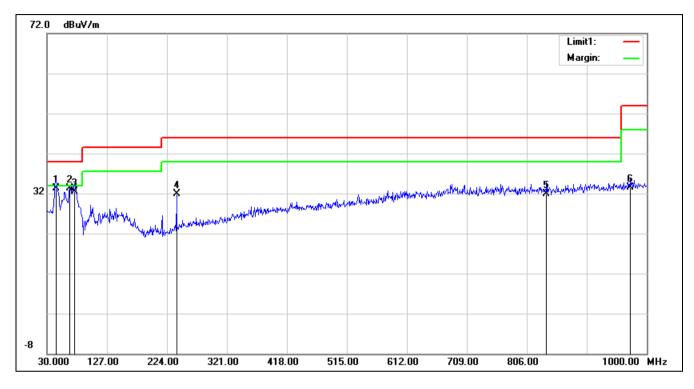


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.9700	4.61	25.50	30.11	40.00	-9.89	397	360	QP
2	122.1500	9.26	19.33	28.59	43.50	-14.91	283	0	QP
3	159.9800	7.06	19.43	26.49	43.50	-17.01	100	328	QP
4	239.5200	9.86	18.79	28.65	46.00	-17.35	125	360	QP
5	691.5400	4.84	27.64	32.48	46.00	-13.52	203	0	QP
6	989.3300	5.10	29.45	34.55	54.00	-19.45	100	168	QP



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Vertical:



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	44.5500	15.62	17.63	33.25	40.00	-6.75	100	347	QP
2	66.8600	20.27	13.09	33.36	40.00	-6.64	101	360	QP
3	74.6200	18.07	14.41	32.48	40.00	-7.52	137	360	QP
4	239.5200	13.07	18.79	31.86	46.00	-14.14	100	185	QP
5	838.0100	3.48	28.41	31.89	46.00	-14.11	101	360	QP
6	973.8100	4.28	29.31	33.59	54.00	-20.41	100	289	QP



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8 Test Setup Photographs

Refer to the < Test Setup photos-FCC>.

9 EUT Constructional Details

Refer to the < External Photos > & < Internal Photos >.

- End of the Report -