

Report No.: SHEM191201988801 Page: 1 of 24

TEST REPORT

Application No.:	SHEM1912019888CR
FCC ID:	2ADTD-K1T341M
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 City, 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 City, Zhejiang Province,China
Equipment Under Test (EU	T):
EUT Name:	Face Recognition Terminal
Model No.:	DS-K1T341M, DS-K1T341MUHK, DS-K1T341MCKV, DS-K1T341MUVS,
	DS-K1T341MKVO, DS-K1T341MHUN; ¤
¤	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 15.225
Date of Receipt:	2019-12-19
Date of Test:	2019-12-26 to 2020-01-06
Date of Issue:	2020-01-07
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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 Report No.:
 SHEM191201988801

 Page:
 2 of 24

Revision Record					
Version Description Date Remark					
00	Original	2020-01-07	/		

Authorized for issue by:		
	Vincent Zhu	
	Vincent Zhu / Project Engineer	
	parlam zhan	
	Parlam Zhan / Reviewer	



Branch

 Report No.:
 SHEM191201988801

 Page:
 3 of 24

2 Test Summary

Radio Spectrum Technical Requirement					
Item Standard Method Requirement Re					
Antenna Requirement	47 CFR Part 15, Subpart C 15.225	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 15.225			Pass		
20dB Bandwidth	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.215	Pass		
Emission Mask	47 CFR Part 15, ANSI C63.10 (2013) Su		47 CFR Part 15, Subpart C 15.225(a)&(b)&(C)	*Pass		
Frequency tolerance	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart C 15.225(e)	Pass		
Radiated Emissions(9kHz- 30MHz)	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.225(d) & 15.209	Pass		
Radiated Emissions(30MHz- 1GHz)	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.225(d) & 15.209	Pass		

Note1: *: The test level of the fundamental signal is below the limit of general spurious emission, so the test item doesn't be performed.

Note2: Declaration of EUT Family Grouping:

There are series models mentioned in this report and they are the similar in electrical and electronic characters. Only the model DS-K1T341M was tested since their differences are appearance and model number.



Branch

Report No.: SHEM191201988801 Page: 4 of 24

D - ----

3 Contents

			Page
1	CC	OVER PAGE	1
2	TE	ST SUMMARY	3
3	СС	ONTENTS	4
4	GE	ENERAL INFORMATION	5
	4.1	DETAILS OF E.U.T	5
	4.2	DESCRIPTION OF SUPPORT UNITS	
	4.3	Measurement Uncertainty	
	4.4		
	4.5 4.6	TEST FACILITY Deviation from Standards	
	4.0 4.7	ABNORMALITIES FROM STANDARDS	
_			
5	EC	QUIPMENT LIST	7
6	RA	ADIO SPECTRUM TECHNICAL REQUIREMENT	8
	6.1	ANTENNA REQUIREMENT	8
7	RA	ADIO SPECTRUM MATTER TEST RESULTS	9
	7.1	CONDUCTED EMISSIONS AT AC POWER LINE (150KHz-30MHz)	9
	7.2	20dB Bandwidth	
	7.3	EMISSION MASK	
	7.4	FREQUENCY TOLERANCE	
	7.5 7.6	RADIATED EMISSIONS(9KHz-30MHz) RADIATED EMISSIONS(30MHz-1GHz)	
	-		
8	TE	EST SETUP PHOTOGRAPHS	24
9	EU	JT CONSTRUCTIONAL DETAILS	24





Branch

Report No.: SHEM191201988801 Page: 5 of 24

4 General Information

4.1 Details of E.U.T.

Power supply:	DC 12V 2A by adapter
Test voltage:	AC 120V 60Hz
Antenna Type	Loop antenna
Modulation Type	ASK
Number of Channels	1
Operation Frequency	13.56MHz

4.2 Description of Support Units

Description Manufacturer		Model No.	Serial No.
AC Adapter	DVE	DSA-12G-12FEU	/
Laptop	Lenovo	ThinkPad X100e	/

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	±2.84dB
7	Conducted Spurious emissions	±0.75dB
0	DE Dedicted newsr	±4.6dB (Below 1GHz)
8	RF Radiated power	±4.1dB (Above 1GHz)
		±4.2dB (Below 30MHz)
0	Dedicted Coursieurs emission test	±4.4dB (30MHz-1GHz)
9	Radiated Spurious emission test	±4.8dB (1GHz-18GHz)
		±5.2dB (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.



Report No.: SHEM191201988801 Page: 6 of 24

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd. Shanghai Branch

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China

Tel: +86 21 6191 5666 Fax: +86 21 6191 5678

No tests were sub-contracted.

4.5 Test Facility

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

• CNAS (No. CNAS L0599)

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. 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.

• NVLAP (LAB CODE: 201034-0)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

• FCC (Designation Number: CN5033)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory. Test Firm Registration Number: 479755.

• ISED (CAB Identifier: CN0020)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. EMC Laboratory has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. ISED#: 8617A.

• VCCI (Member No.: 3061)

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-13868, C-14336, T-12221, G-10830 respectively.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



Report No.: SHEM191201988801 Page: 7 of 24

5 Equipment List

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Conducted Emission at Ma	ins Terminals ((150kHz-30MHz)			
EMI test receiver	R&S	ESR7	SHEM162-1	2019-12-20	2020-12-19
LISN	Schwarzbeck	NSLK8127	SHEM061-1	2019-12-20	2020-12-19
LISN	EMCO	3816/2	SHEM019-1	2019-12-20	2020-12-19
Pulse limiter	R&S	ESH3-Z2	SHEM029-1	2019-12-20	2020-12-19
Shielding Room	ZHONGYU	8*4*3M	SHEM079-2	2019-12-20	2020-12-19
CE test Cable	/	CE01	/	2019-12-20	2020-12-19
RF Conducted Test	•				
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2019-12-20	2020-12-19
Spectrum Analyzer	Agilent	N9020A	SHEM181-1	2019-08-13	2020-08-12
Signal Generator	R&S	SMR20	SHEM006-1	2019-08-13	2020-08-12
Signal Generator	Agilent	N5182A	SHEM182-1	2019-08-13	2020-08-12
Communication Tester	R&S	CMW270	SHEM183-1	2019-08-13	2020-08-12
Switcher	Tonscend	JS0806	SHEM184-1	2019-08-13	2020-08-12
Power Sensor	Keysight	U2021XA * 4	SHEM184-1	2019-08-13	2020-08-12
Splitter	Anritsu	MA1612A	SHEM185-1	/	/
Coupler	e-meca	803-S-1	SHEM186-1	/	/
High-low Temp Cabinet	Suzhou Zhihe	TL-40	SHEM087-1	2017-09-25	2020-09-24
AC Power Stabilizer	APC	KDF-31020T-V0-F0	SHEM216-1	2019-12-20	2020-12-19
DC Power Supply	MCH	MCH-303A	SHEM210-1	2019-12-20	2020-12-19
Conducted test Cable	/	RF01~RF04	/	2019-12-20	2020-12-19
RF Radiated Test					
EMI test Receiver	R&S	ESU40	SHEM051-1	2019-12-20	2020-12-19
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2019-12-20	2020-12-19
Loop Antenna (9kHz-30MHz)	Schwarzbeck	FMZB1519	SHEM135-1	2019-12-20	2020-12-19
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM048-1	2019-10-14	2021-10-13
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM202-1	2019-04-30	2021-04-29
Horn Antenna (1-18GHz)	Schwarzbeck	HF906	SHEM009-1	2017-10-24	2020-10-23
Horn Antenna (1-18GHz)	Schwarzbeck	BBHA9120D	SHEM050-1	2019-10-14	2021-10-13
Horn Antenna (14-40GHz)	Schwarzbeck	BBHA 9170	SHEM049-1	2017-10-31	2020-10-30
Pre-amplifier (9KHz-2GHz)	CLAVIIO	BDLNA-0001	SHEM164-1	2019-08-13	2020-08-12
Pre-amplifier (1-18GHz)	CLAVIIO	BDLNA-0118	SHEM050-2	2019-08-13	2020-08-12
High-amplifier (14-40GHz)	Schwarzbeck	10001	SHEM049-2	2018-12-20	2019-12-19
Signal Generator	R&S	SMR40	SHEM058-1	2019-08-13	2020-08-12
Band Filter	LORCH	9BRX-875/X150	SHEM156-1	/	/
Band Filter	LORCH	13BRX-1950/X500	SHEM083-2	/	/
Band Filter	LORCH	5BRX-2400/X200	SHEM155-1	/	/
Band Filter	LORCH	5BRX-5500/X1000	SHEM157-2	/	/
High pass Filter	Wainwright	WHK3.0/18G	SHEM157-1	/	/
High pass Filter	Wainwright	WHKS1700	SHEM157-3	/	/
Semi/Fully Anechoic	ST	11*6*6M	SHEM078-2	2017-07-22	2020-07-21
RE test Cable	/	RE01, RE02, RE06	/	2018-12-20	2019-12-19



Report No.: SHEM191201988801 Page: 8 of 24

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 integrated on the main PCB and no consideration of replacement.

Antenna location: Refer to Appendix (Internal Photos)



Report No.: SHEM191201988801 9 of 24 Page:

Radio Spectrum Matter Test Results 7

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

Test Requirement Test Method:

47 CFR Part 15, Subpart C 15.207

Lin	nit:	

ANSI C63.10 (2013) Section 6.2

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

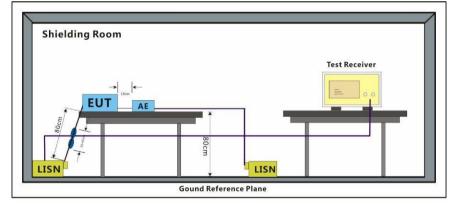
* Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22 Humidity: 50 % RH Atmospheric Pressure: 1020 mbar °C Test mode b: TX mode_Keep the EUT in transmitting with modulation mode.

7.1.2 Test Setup Diagram





Report No.: SHEM191201988801 Page: 10 of 24

7.1.3 Measurement Procedure and Data

Branch

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,

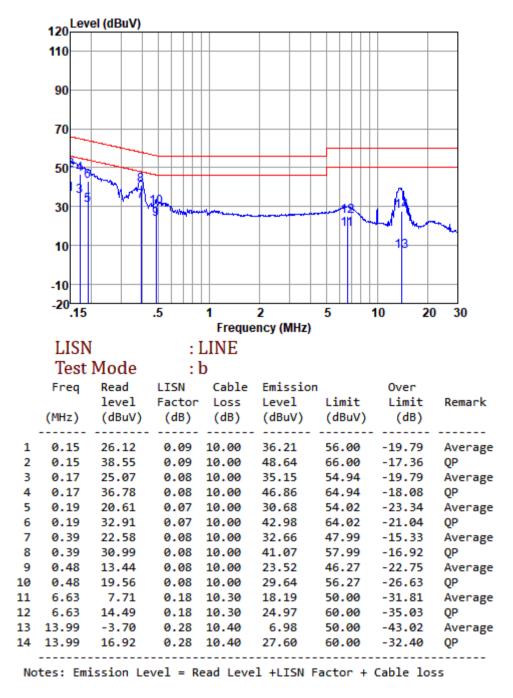
4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test 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.



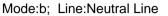
Report No.: SHEM191201988801 Page: 11 of 24

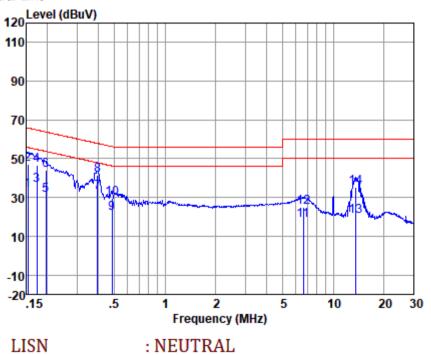
Mode:b; Line:Live Line





Report No.: SHEM191201988801 Page: 12 of 24





	Test	Mode	:1	0				
	Freq	Read	LISN	Cable	Emission		Over	
		level	Factor	Loss	Level	Limit	Limit	Remark
	(MHz)	(dBuV)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.15	23.41	0.07	10.00	33.48	55.87	-22.39	Average
2	0.15	37.25	0.07	10.00	47.32	65.87	-18.55	Average
_								QP
3	0.17	26.47	0.07	10.00	36.54	54.81	-18.27	Average
4	0.17	36.64	0.07	10.00	46.71	64.81	-18.10	QP
5	0.20	20.91	0.06	10.00	30.97	53.80	-22.83	Average
6	0.20	33.88	0.06	10.00	43.94	63.80	-19.86	QP
7	0.40	22.51	0.06	10.00	32.57	47.90	-15.33	Average
8	0.40	31.48	0.06	10.00	41.54	57.90	-16.36	QP
9	0.48	11.66	0.06	10.00	21.72	46.27	-24.55	Average
10	0.48	19.33	0.06	10.00	29.39	56.27	-26.88	QP
11	6.63	7.52	0.15	10.30	17.97	50.00	-32.03	Average
12	6.63	14.65	0.15	10.30	25.10	60.00	-34.90	QP
13	13.62	9.51	0.22	10.40	20.13	50.00	-29.87	Average
14	13.62	24.85	0.22	10.40	35.47	60.00	-24.53	QP
		• •			1			

Notes: Emission Level = Read Level +LISN Factor + Cable loss



Report No.: SHEM191201988801 Page: 13 of 24

7.2 20dB Bandwidth

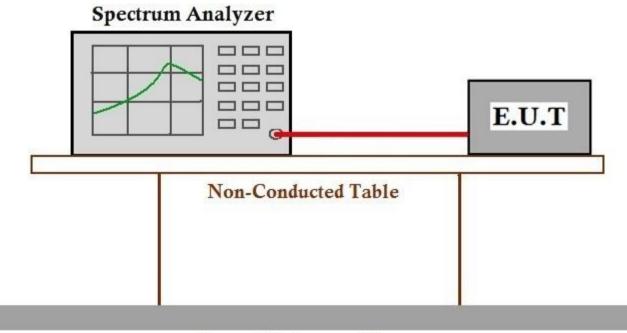
Test Requirement	47 CFR Part 15, Subpart C 15.215
Test Method:	ANSI C63.10 (2013) Section 6.9
Limit:	N/A

7.2.1 E.U.T. Operation

Operating Environment:

Temperature:22 °CHumidity:50 % RHAtmospheric Pressure:1002 mbarTest modeb: TX mode_Keep the EUT in transmitting with modulation mode.

7.2.2 Test Setup Diagram



Ground Reference Plane

7.2.3 Measurement Procedure and Data



Branch

Report No.: SHEM191201988801 14 of 24 Page:

20dB bandwidth (kHz)	F∟ (MHz)	Fн (MHz)	Limit(MHz)	Result
20.6	13.5497	13.5703	13.110 – 14.010	Pass
Test plot as follows:				
Ref	117 dBµV *Att	*RBW 300 P *VBW 300 P 20 dB SWT 6.4 s	Hz -0.13 dB	=
_1.10			Marker 1 [T1 81.47 dBu 13.549700000 MH Marker 2 [T1]	
1 PK MAXH -90			13.56000000 MH	5 - 2
-80	D1 81.5 dBuV		2	=
-70				
_6 0 _5 0				
-4 0				_
_3 0				-
-20Cente	r 13.56 MHz	5 kHz/	Span 50 kH	ls.



Report No.: SHEM191201988801 Page: 15 of 24

7.3 Emission Mask

Test Requirement	RSS-2
Test Method:	ANSI
Limit:	

RSS-210 Issue 9 B6 (a)&(b)&(C) ANSI C63.10 (2013) Section 6.4

(a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15.848 microvolts/meter at 30 meters.

- (b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- (c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

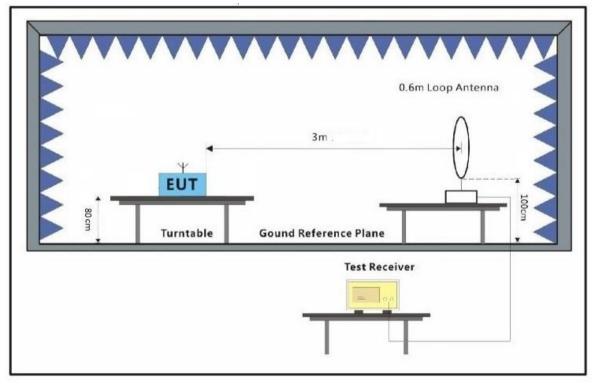
(d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.

7.3.1 E.U.T. Operation

Operating Environment:

Temperature:22 °CHumidity:50 % RHAtmospheric Pressure:1002 mbarTest modeb:TX mode_Keep the EUT in transmitting with modulation mode.

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.

Note :The test level of the fundamental signal is below the limit of general spurious emission, so the test item doesn't be performed.

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中国・上海・松江区金都西路588号 邮编:	201612	t(86-21) 61915666	f(86-21)61915678	e sgs.china@sgs.com



Report No.: SHEM191201988801 Page: 16 of 24

7.4 Frequency tolerance

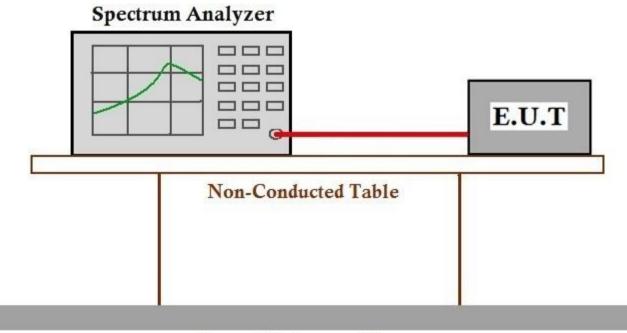
Test Requirement	47 CFR Part 15, Subpart C 15.225(e)
Test Method:	ANSI C63.10 (2013) Section 6.8
Limit:	1.356kHz

7.4.1 E.U.T. Operation

Operating Environment:

Temperature:22 °CHumidity:50 % RHAtmospheric Pressure:1002 mbarTest modeb: TX mode_Keep the EUT in transmitting with modulation mode.

7.4.2 Test Setup Diagram



Ground Reference Plane

7.4.3 Measurement Procedure and Data



Report No.: SHEM191201988801 Page: 17 of 24

Test Co Temp (°C)	Test Conditions emp (°C) Volt (V DC)		Deviation (kHz)	Limit (kHz)	Result
T _{nom} (-20)	V _{nom} (12)	13.56006	0.06		Pass
T _{nom} (-10)	V _{nom} (12)	13.56006	0.06		Pass
T _{nom} (0)	Vnom (12)	13.56006	0.06		Pass
T _{nom} (10)	V _{nom} (12)	13.56006	0.06	±0.01%	Pass
T _{nom} (20)	V _{nom} (12)	13.56006	0.06		Pass
T _{nom} (30)	V _{nom} (12)	13.56006	0.06	(1.3560kHz)	Pass
T _{nom} (40)	V _{nom} (12)	13.56006	0.06		Pass
T _{nom} (50)	V _{nom} (12)	13.56006	0.06		Pass
T (20)	V _{min} (10.2)	13.56005	0.05		Pass
T _{nom} (20)	V _{max} (13.8)	13. 56008	0.08		Pass

Nominal Operation Frequency: 13.56MHz

Note: Deviation (kHz) = (Test Result-13.56MHz)*1000



Report No.: SHEM191201988801 Page: 18 of 24

Test Requirement	irement 47 CFR Part 15, Subpart C 15.225(d) & 15.209								
Test Method:	ANSI C63.10 (20 ²	13) Section 6.4	&6.5						
Limit:									
	Field strength	Limit	Detector	Measurement Distance					
Frequency(MHz)	(microvolts/meter)	(dBuV/m)	Detector	(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					

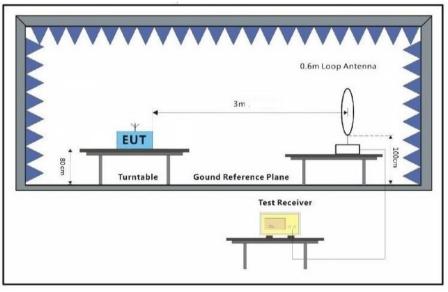
7.5 Radiated Emissions(9kHz-30MHz)

7.5.1 E.U.T. Operation

Operating Environment:

Temperature:22 °CHumidity:50 % RHAtmospheric Pressure:1002 mbarTest modeb: TX mode_Keep the EUT in transmitting with modulation mode.

7.5.2 Test Setup Diagram

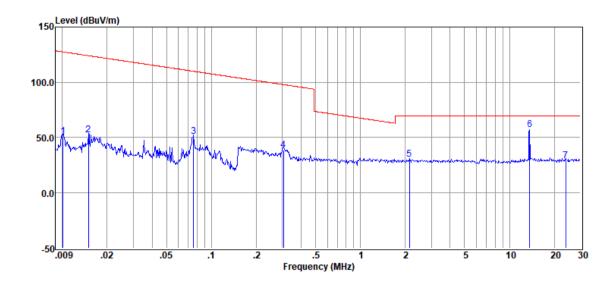


7.5.3 Measurement Procedure and Data

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.



Report No.: SHEM191201988801 Page: 19 of 24



Item	Freq.	Read Level	Antenna Factor	Cable Loss	Result Level@3m	Result Level@S PEC	Limit Line@SP EC	Over Limit	Detector
(Mark)	(MHz)	(dBµV)	(dB/m)	(dB)	(dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.010	31.46	19.70	0.02	51.18	-28.82	47.51	-76.33	QP
2	0.015	33.00	19.64	0.03	52.67	-27.33	44.06	-71.39	QP
3	0.076	31.41	19.73	0.04	51.18	-28.82	29.98	-58.80	QP
4	0.304	18.67	19.86	0.07	38.60	-41.4	17.94	-59.34	QP
5	2.131	9.76	20.18	0.22	30.16	-9.84	29.5	-39.34	QP
6	13.658	36.66	19.98	0.54	57.18	17.18	29.5	-12.32	Peak
7	23.905	7.91	20.28	0.75	28.94	-11.06	29.5	-40.56	QP



Report No.: SHEM191201988801 Page: 20 of 24

7.6 Radiated Emissions(30MHz-1GHz)

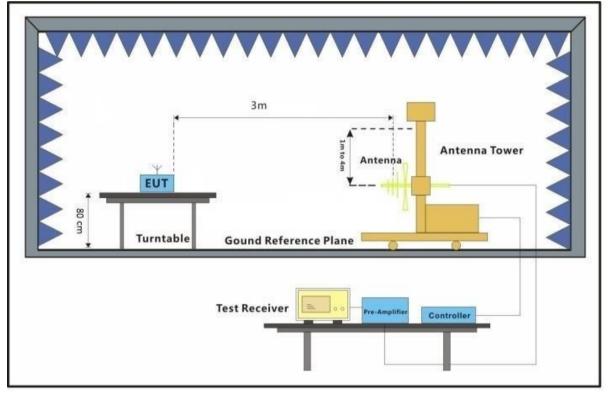
Test Requirement	47 CFR Part 15, Subpart C 15.225(d) & 15.209
Test Method:	ANSI C63.10 (2013) Section 6.4&6.5
Limit:	

Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement 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

7.6.1 E.U.T. Operation

Operating Environment:Temperature:22 °CHumidity:50 % RHAtmospheric Pressure:1002 mbarTest modeb: TX mode_Keep the EUT in transmitting with modulation mode.

7.6.2 Test Setup Diagram





Branch

Report No.: SHEM191201988801 Page: 21 of 24

7.6.3 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.

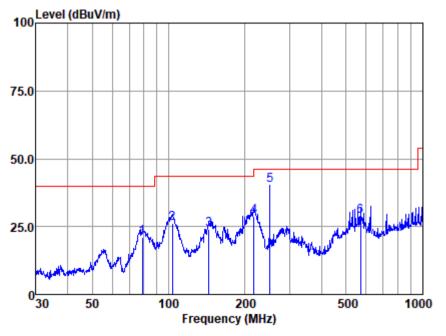
f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

g. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.



Report No.: SHEM191201988801 Page: 22 of 24

Mode:b; Polarization:Horizontal



Antenna Polarity :HORIZONTAL

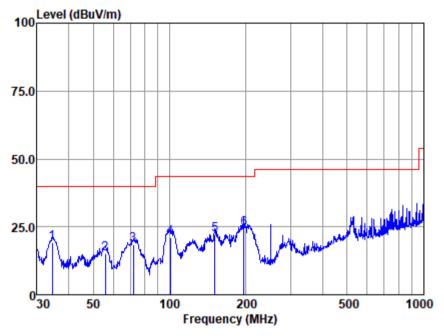
	Freq		Antenna Factor						Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	78.965	53.09	9.46	0.75	42.27	21.03	40.00	-18.97	QP
2	103.442	58.34	9.20	1.14	42.31	26.37	43.50	-17.13	QP
3	144.335	52.26	12.68	1.37	42.24	24.07	43.50	-19.43	QP
4	216.783	59.44	9.70	1.89	42.15	28.88	46.00	-17.12	QP
5	250.301	68.39	11.70	2.19	42.10	40.18	46.00	-5.82	QP
6	570.610	48.08	18.84	3.69	41.68	28.93	46.00	-17.07	QP

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



Report No.: SHEM191201988801 Page: 23 of 24

Mode:b; Polarization:Vertical



Antenna Polarity :VERTICAL

	_		Antenna						
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	34.517	48.84	12.38	0.37	42.36	19.23	40.00	-20.77	QP
2	55.805	43.43	13.34	0.55	42.33	14.99	40.00	-25.01	QP
3	72.084	48.95	11.17	0.66	42.26	18.52	40.00	-21.48	QP
4	100.581	53.57	8.80	1.11	42.32	21.16	43.50	-22.34	QP
5	151.067	50.10	12.93	1.38	42.23	22.18	43.50	-21.32	QP
6	195.822	54.60	10.14	1.72	42.18	24.28	43.50	-19.22	QP

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



Report No.: SHEM191201988801 Page: 24 of 24

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 -