



Radio Test Report

Report No.: STS2601399W06

Issued for

Hong Kong Lute Technology Co., Limited

Room 803B, 8/F, West Bund International Building, 290-296 Yuen
Chau Street, Cheung Sha Wan, Kowloon, HongKong

Product Name: Video Baby Monitor

Brand Name: momcozy

Model Name: BM08

Series Model(s) BM08-A, BM08-B, BM08-C, BM08-D

FCC ID: 2A6UA-BM08

Test Standards: FCC Part 15.255

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT**

Applicant's Name : Hong Kong Lute Technology Co., Limited
Address : Room 803B, 8/F, West Bund International Building, 290-296 Yuen Chau Street, Cheung Sha Wan, Kowloon, HongKong
Manufacture's Name : Hong Kong Lute Technology Co., Limited
Address : Room 803B, 8/F, West Bund International Building, 290-296 Yuen Chau Street, Cheung Sha Wan, Kowloon, HongKong

Product Description

Product Name : Video Baby Monitor
Brand Name : momcozy
Model Name : BM08
Series Model : BM08-A, BM08-B, BM08-C, BM08-D

Test Standards : FCC Part 15.255

Test Procedure : ANSI C63.10-2020

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test :
Date of receipt of test item : 10 Mar 2026
Date of performance of tests . : 10 Mar 2026~10 Apr. 2026
Date of Issue : 10 Apr. 2026
Test Result : **Pass**

Testing Engineer :

Rain Liu

(Rain Liu)

Technical Manager :

Skylar Li

(Skylar Li)

Authorized Signatory :

Bovey Yang

(Bovey Yang)





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**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	10 Apr. 2026	STS2601399W06	ALL	Initial Issue



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part 15.255		
FCC standard	Test Item	Results
15.207	AC Conducted Emission	Compliant
15.255(c)	EIRP and Transmitter off-times	Compliant
15.255(e)	Occupied Bandwidth	Compliant
15.209(a) 15.255(d)	Radiated Spurious Emissions	Compliant
15.255(f)	Frequency stability	Compliant
15.203	Antenna requirement	Compliant

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) All tests are according to ANSI C63.10 2020 .



1.1 TEST FACILITY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.751\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.888\text{dB}$
3	Occupied Channel Bandwidth	$\pm 3.6\%$
4	All emissions, radiated 9K-30MHz	$\pm 2.48\text{dB}$
5	All emissions, radiated 30M-1GHz	$\pm 2.52\text{dB}$
6	All emissions, radiated 1G-18GHz	$\pm 3.48\text{dB}$
7	All emissions, radiated 18GHz-40GHz	$\pm 4.18\text{dB}$
8	All emissions, radiated Above 40GHz	$\pm 5.86\text{dB}$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product Name	Video Baby Monitor
Brand Name	momcozy
Model Name	BM08
Series Model(s)	BM08-A, BM08-B, BM08-C, BM08-D
Model Difference	Only different in models name
Operation Frequency	57 GHz - 64 GHz
Modulation Type	FMCW
Antenna Type	Internal antenna
Antenna Gain	7 dBi
Power Rating	Input: DC 5V
Adapter	N/A
Battery	N/A
Hardware Version	N/A
Software Version	N/A

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	socionext	SC1221AR3-000	Internal antenna	N/A	7	Antenna

The EUT antenna is External Antenna. No antenna other than that furnished by the responsible party shall be used with the device.

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the above listed frequency for testing.

2.2 EUT OPERATION MODE

The EUT has been tested under typical operating condition and The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

2.3 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

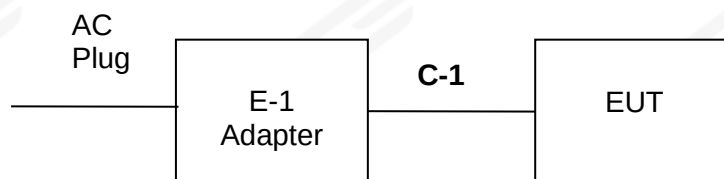
Test Mode	Description
Mode1	TX Mode

For AC Conducted Emission

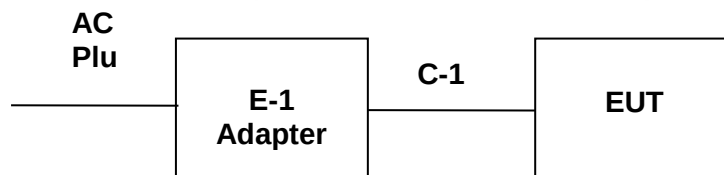
Test Case	
AC Conducted Emission	Mode 2 : Charging Mode

2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test



Conducted Emission Test





2.5 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	Adapter	momcozy	BM08	N/A
C-1	USB Cable	momcozy	BM08	N/A

Item	Equipment	Mfr/Brand	Length	Note
C-1	Shielded	momcozy	150cm	N/A

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.6 TEST EQUIPMENT

RF Radiation Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Temperature & Humidity	SW-108	SuWei	N/A	2026.02.04	2027.02.03
Pre-Amplifier (0.1M-3GHz)	EM	EM330	60665	2026.02.04	2027.02.03
Pre-Amplifier (1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2025.09.25	2026.09.24
Pre-Amplifier (18G-40GHz)	SKET	LNPA_1840-50	SK2018101801	2026.02.04	2027.02.03
Active loop Antenna (9KHz-30MHz)	ZHINAN	ZN30900C	16035	2025.02.25	2027.02.24
Bilog Antenna (30-1000MHz)	TESEQ	CBL6111D	34678	2025.09.27	2027.09.26
Horn Antenna (1G-18GHz)	SCHWARZBECK	BBHA 9120D	2014	2025.09.27	2027.09.26
HornAntenna (18G-40GHz)	A-INFOMW	LB-180400-KF	J211020657	2025.09.27	2027.09.26
Horn Antenna (40G-60GHz)	A-INFO	LB-19-25-A	2020039000053	2024.12.25	2027.12.24
Horn Antenna (50G-75GHz)	A-INFO	LB-15-25-A	2020028000183	2024.12.25	2027.12.24
Horn Antenna (75G-110GHz)	A-INFO	LB-10-25-A	2020017000101	2024.12.25	2027.12.24
Horn Antenna (110G-170GHz)	A-INFO	LB-6-25-A	2020009000108	2024.12.25	2027.12.24
Horn Antenna (170G-260GHz)	A-INFO	LB-4-25-A	20202706000029	2024.12.25	2027.12.24
Mixer(40-60GHz)	AT-Microwave	AT-SAX8-4060	N/A	2024.12.25	2027.12.24
Mixer(50-75GHz)	AT-Microwave	AT-SAXB-5075	N/A	2024.12.25	2027.12.24
Mixer(75-110GHz)	AT-Microwave	AT-SAX8-75110	N/A	2024.12.25	2027.12.24
Mixer(110-170GHz)	AT-Microwave	AT-SAX24-110170	N/A	2024.12.25	2027.12.24
Mixer(170-260GHz)	AT-Microwave	AT-SAX32-170260	N/A	2024.12.25	2027.12.24
Mixer(40-60GHz)	TLHM	TLHM-4060-04-19	N/A	2024.12.25	2027.12.24
Signal Analyzer	Keysight	N9020A	MY52440124	2026.02.04	2027.02.03
Positioning Controller	MF	MF-7802	MF-780208587	N/A	N/A
signal generator	Keysight	E8257D	MY58040082	2026.02.04	2027.02.03
Signal Analyzer	R&S	FSV 40-N	101823	2025.09.26	2026.09.25
Filter Box	BALUN Technology	SU319E	BL-SZ1530051	N/A	N/A
Switch Control Box	N/A	N/A	N/A	N/A	N/A
Antenna Mast	MF	MFA-440H	N/A	N/A	N/A
Turn Table	MF	SC100_1	60531	N/A	N/A
AC Power Source	APC	KDF-11010G	F214050035	N/A	N/A
DC power supply	HONGSHENG FENG	DPS-305AF	17064939	2025.09.22	2026.09.21
Test SW	EZ-MMW	Ver.STSLAB-MMW1.0			



Conduction Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2025.09.25	2026.09.24
Limiter	CYBERTEK	EM5010	N/A	2025.09.25	2026.09.24
LISN	R&S	ENV216	101242	2025.09.25	2026.09.24
LISN	EMCO	3810/2NM	23625	2025.09.25	2026.09.24
Temperature & Humidity	SW-108	SuWei	N/A	2026.02.04	26027.02.03
Test SW	EZ-EMC	Ver.STSLAB-03A1 CE			



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

FREQUENCY (MHz)	Conducted Emission limit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of “ * ” marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

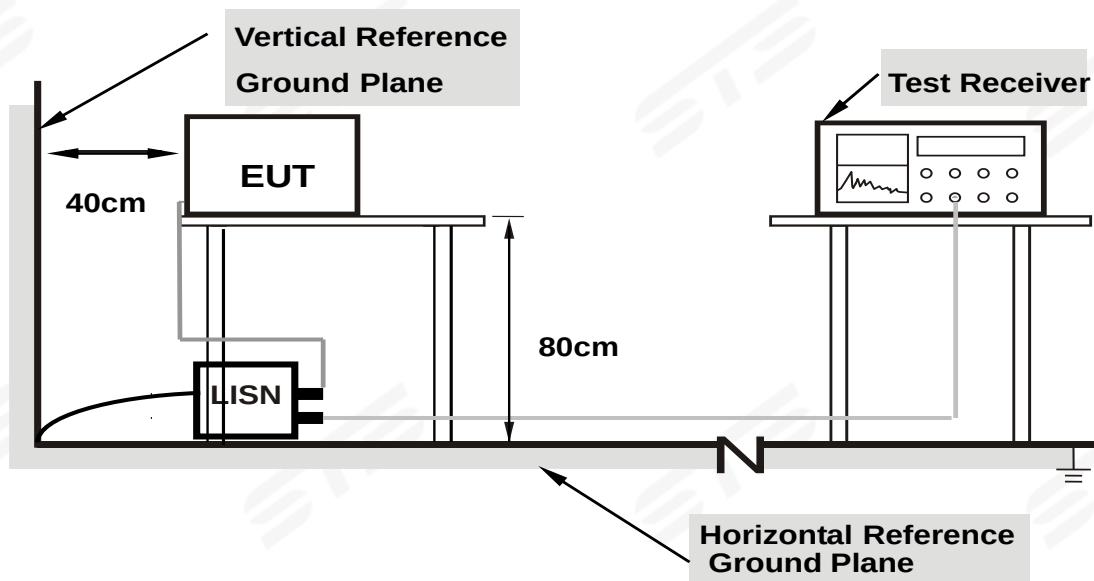
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.2 TEST PROCEDURE

- The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN is at least 80 cm from the nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

3.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



3.5 TEST RESULT

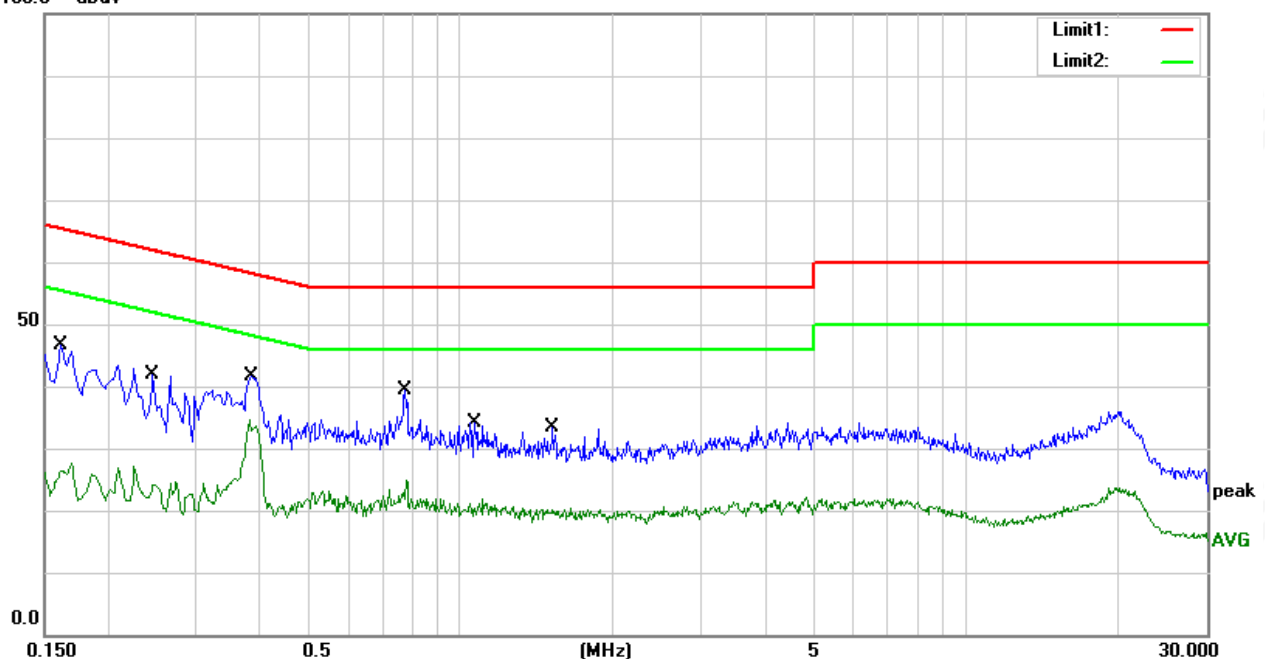
Temperature:	25.1℃	Relative Humidity:	59%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 2		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1620	26.30	20.32	46.62	65.36	-18.74	QP
2	0.1620	7.21	20.32	27.53	55.36	-27.83	AVG
3	0.2460	21.30	20.58	41.88	61.89	-20.01	QP
4	0.2460	6.55	20.58	27.13	51.89	-24.76	AVG
5	0.3860	20.97	20.60	41.57	58.15	-16.58	QP
6	0.3860	14.00	20.60	34.60	48.15	-13.55	AVG
7	0.7780	19.02	20.35	39.37	56.00	-16.63	QP
8	0.7780	4.49	20.35	24.84	46.00	-21.16	AVG
9	1.0700	13.83	20.30	34.13	56.00	-21.87	QP
10	1.0700	1.65	20.30	21.95	46.00	-24.05	AVG
11	1.5260	13.07	20.35	33.42	56.00	-22.58	QP
12	1.5260	0.14	20.35	20.49	46.00	-25.51	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor=LISN factor+Cable loss+Limiter (10dB)

100.0 dBuV





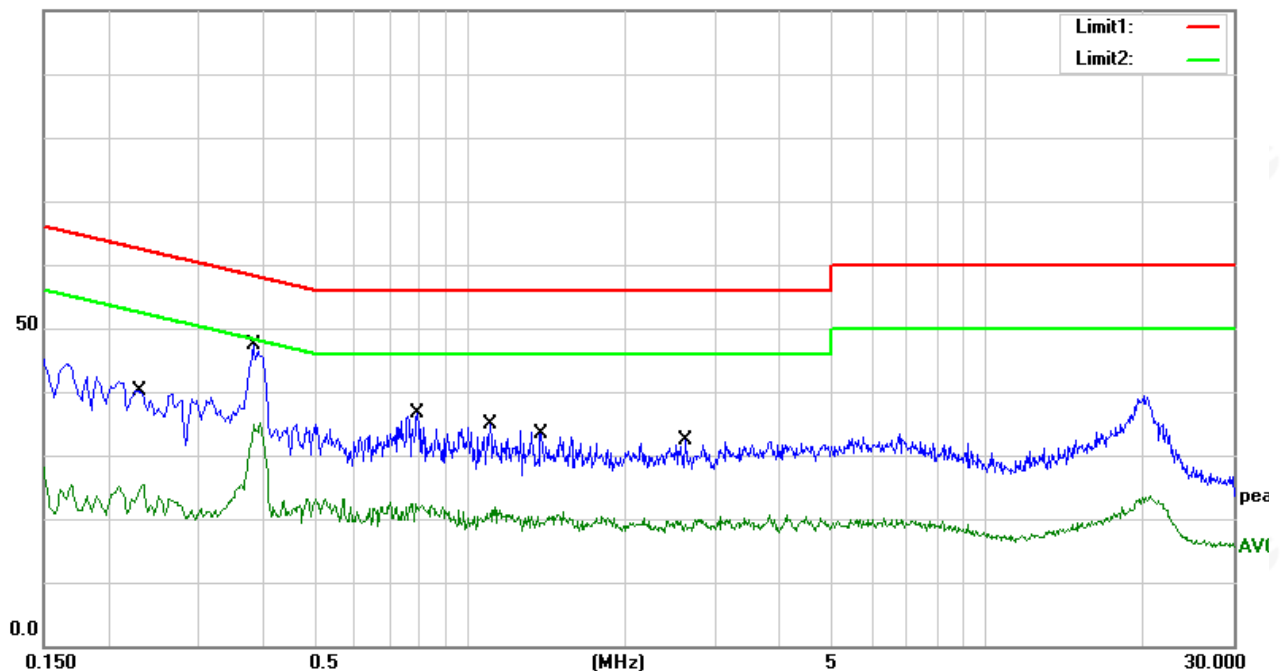
Temperature:	25.1℃	Relative Humidity:	59%
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 2		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB)	(dBuV)	(dBuV)	(dB)	
1	0.2316	20.44	19.38	39.82	62.39	-22.57	QP
2	0.2316	5.98	19.38	25.36	52.39	-27.03	AVG
3	0.3820	28.10	19.36	47.46	58.24	-10.78	QP
4	0.3820	15.88	19.36	35.24	48.24	-13.00	AVG
5	0.7940	17.20	19.40	36.60	56.00	-19.40	QP
6	0.7940	3.12	19.40	22.52	46.00	-23.48	AVG
7	1.0980	15.61	19.39	35.00	56.00	-21.00	QP
8	1.0980	2.40	19.39	21.79	46.00	-24.21	AVG
9	1.3740	14.06	19.39	33.45	56.00	-22.55	QP
10	1.3740	1.63	19.39	21.02	46.00	-24.98	AVG
11	2.6140	13.00	19.43	32.43	56.00	-23.57	QP
12	2.6140	0.95	19.43	20.38	46.00	-25.62	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor=LISN factor+Cable loss+Limiter (10dB)

100.0 dBuV





4. Radiated Emissions

4.1 LIMIT

(a) According to § 15.255(d):
Limits on spurious emissions.

- (1) The power density of any emissions outside the 57-71 GHz band shall consist solely of spurious emissions.
- (2) Radiated emissions below 40 GHz shall not exceed the general limits in § 15.209.
- (3) Between 40 GHz and 200 GHz, the level of these emissions shall not exceed 90 pW/cm² at a distance of 3 meters.
- (4) The levels of the spurious emissions shall not exceed the level of the fundamental emission.



4.2 TEST PROCEDURE

4.2.1 Sequence of testing radiated spurious 9 KHz to 30 MHz

Setup

- a. The equipment is set up to simulate normal operation mode as described in the user manual or defined by the manufacturer
- b. If the EUT is a tabletop system, 1 m height is used.
- c. If the EUT is a floor standing device, it is placed directly on the turn table.
- d. Auxiliary equipment and cables are positioned to simulate normal operation conditions as described in ANSI C63.10.
- e. The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- f. Measurement distance is 3m (see ANSI C63.10) – see test details.
- g. EUT is set into operation.

Premeasurement

- a. The turntable rotates from 0 degree to 360 degree.
- b. The antenna height is 1m.
- c. Set RBW = 200 Hz / VBW = 1 KHz, sweep time: Auto
- d. At each turntable position the analyzer sweeps with position-peak detector to find the maximum of all emissions.

Final measurement

- a. Identified emissions during the premeasurement are maximized by the software by rotating the turntable from 0 degree to 360 degree.
- b. The final measurement is done in the position (turntable and elevation) causing the highest emissions with quasi-peak (as described in ANSI C 63.4).
- c. Final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to The limit and limit will be recorded. A plot with the graph of the measurement and the limit is stored.

4.2.2 Sequence of testing radiated spurious 30 MHz to 1 GHz

Setup

- a. The equipment is set up to simulate normal operation mode as described in the user manual or defined by the manufacturer
- b. If the EUT is a tabletop system, 0.8 m height is used, which is placed on the ground plane.
- c. If the EUT is a floor standing device, it is placed directly on the ground plane.
- d. Auxiliary equipment and cables are positioned to simulate normal operation conditions as described in ANSI C63.10.
- e. The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- f. Measurement distance is 3m (see ANSI C63.10) – see test details.
- g. EUT is set into operation.



- a. The turntable rotates from 0 degree to 360 degree.
- b. The antenna is polarized vertical and horizontal.
- c. The antenna height changes from 1m to 4m.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

Final measurement

The final measurement is performed for at least six highest peaks according to the requirements of the ANSI C63.10.

Based on antenna and turntable positions at which the peak values are measured the software maximizes the peaks by changing turntable and antenna height between 1 and 4 m.

The final measurement is done with quasi-peak detector (as described in ANSI C 63.4).

Final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the

limit and limit will be recorded. A plot with the graph of the measurement and the limit is stored.

4.2.3 Sequence of testing radiated spurious 1 GHz to 18 GHz

Setup

- a. The equipment is set up to simulate normal operation mode as described in the user manual or defined by the manufacturer
- b. If the EUT is a tabletop system, 1.5 m height is used.
- c. If the EUT is a floor standing device, it is placed directly on the turn table.
- d. Auxiliary equipment and cables are positioned to simulate normal operation conditions as described in ANSI C63.10.
- e. The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- f. Measurement distance is 3m (see ANSI C63.10) – see test details.
- g. EUT is set into operation.

Premeasurement

- a. The turntable rotates from 0 degree to 360 degree.
- b. The antenna is polarized vertical and horizontal.
- c. The antenna height changes from 1m to 4m.
- d. Set RBW = 1 MHz / VBW = 3 MHz, sweep time: Auto, detector: Peak for Peak, RBW = 1 MHz / VBW = 3MHz, sweep time: Auto, detector: Average for Average.
- e. At each turntable position the analyzer sweeps with position-peak detector to find the maximum of all emissions.

Final measurement

- a. The final measurement is performed for at least six highest peaks according to the requirements of the ANSI C63.10.
- b. Based on antenna and turntable positions at which the peak values are measured the software maximizes the peaks by changing turntable and antenna height between 1 and 4 m.
- c. The final measurement is done with quasi-peak detector (as described in ANSI C 63.10).
- d. The final measurement is done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector (as described in ANSI C 63.10).



- e. Final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. A plot with the graph of the measurement and the limit is stored.



4.2.4 Sequence of testing radiated spurious above 18 GHz

Setup

- a. The equipment is set up to simulate normal operation mode as described in the user manual or defined by the manufacturer
- b. If the EUT is a tabletop system, 1.5 m height is used.
- c. If the EUT is a floor standing device, it is placed directly on the turn table.
- d. Auxiliary equipment and cables are positioned to simulate normal operation conditions as described in ANSI C63.10.
- e. The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- f. Measurement distance is 3m (see ANSI C63.10) – see test details.
- g. EUT is set into operation.

Premeasurement

- a. The turntable rotates from 0 degree to 360 degree.
- b. The antenna is polarized vertical and horizontal.
- c. The antenna height changes from 1m to 4m.
- d. Set RBW = 1 MHz / VBW = 3 MHz, sweep time: Auto, detector: Peak for Peak, RBW = 1 MHz / VBW = 3MHz, sweep time: Auto, detector: Average for Average.
- e. At each turntable position the analyzer sweeps with position-peak detector to find the maximum of all emissions.

Final measurement

- a. The final measurement is performed for at least six highest peaks according to the requirements of the ANSI C63.10.
- b. Based on antenna and turntable positions at which the peak values are measured the software maximizes the peaks by changing turntable and antenna height between 1 and 4 m.
- c. The final measurement is done with quasi-peak detector (as described in ANSI C 63.4).
- d. The final measurement is done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector (as described in ANSI C 63.10).
- e. Final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. A plot with the graph of the measurement and the limit is stored.



4.2.5 Sequence of testing radiated spurious above 40 GHz with external mixers

Setup

- a. The equipment is set up to simulate normal operation mode as described in the user manual or defined by the manufacturer
- b. If the EUT is a tabletop system, 1.5 m height is used.
- c. If the EUT is a floor standing device, it is placed directly on the turn table.
- d. Auxiliary equipment and cables are positioned to simulate normal operation conditions as described in ANSI C63.10.
- e. The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- f. Measurement distance is 3m (see ANSI C63.10) – see test details.
- g. EUT is set into operation.

Premeasurement

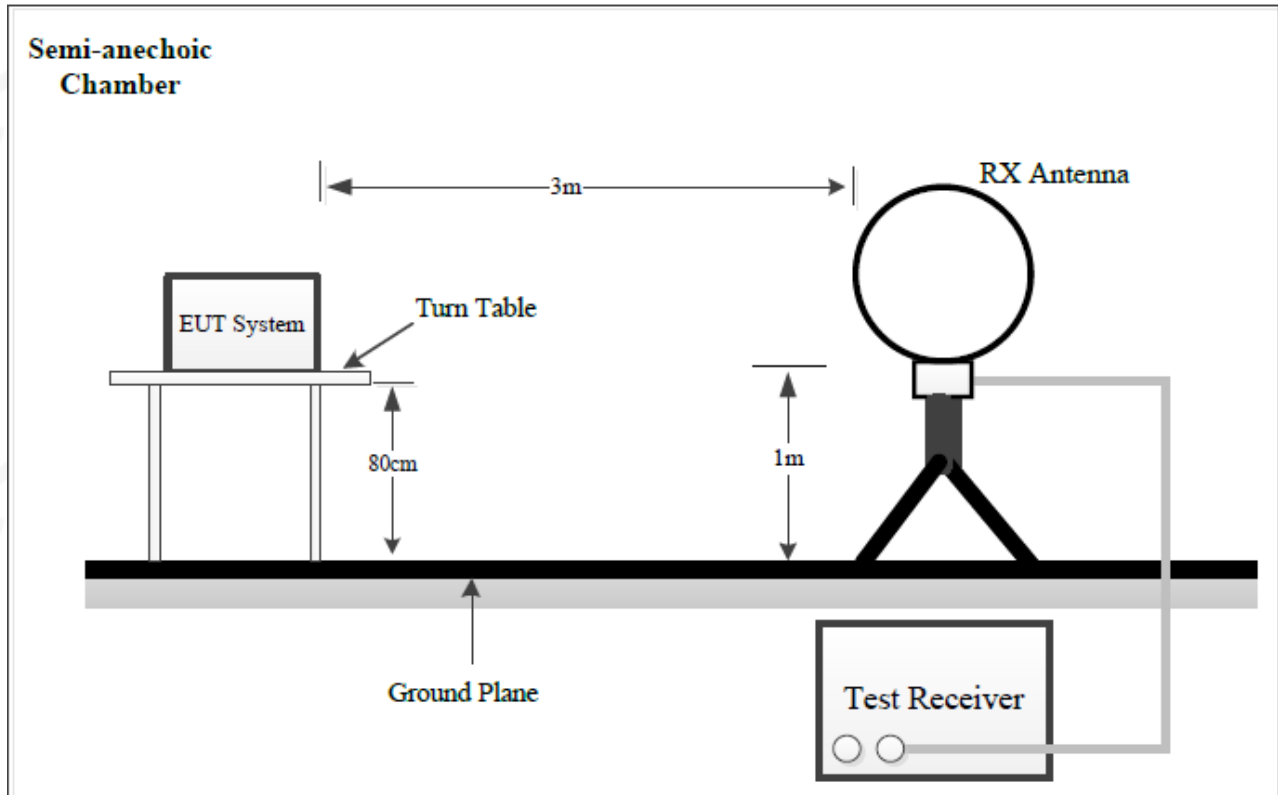
- a. The turntable rotates from 0 degree to 360 degree.
- b. The antenna is polarized vertical and horizontal.
- c. The antenna height changes from 1m to 4m.
- d. Set RBW = 1 MHz / VBW = 3 MHz, sweep time: Auto, detector: Peak for Peak, RBW = 1 MHz / VBW = 3MHz, sweep time: Auto, detector: Average for Average.
- e. At each turntable position the analyzer sweeps with position-peak detector to find the maximum of all emissions.

Final measurement

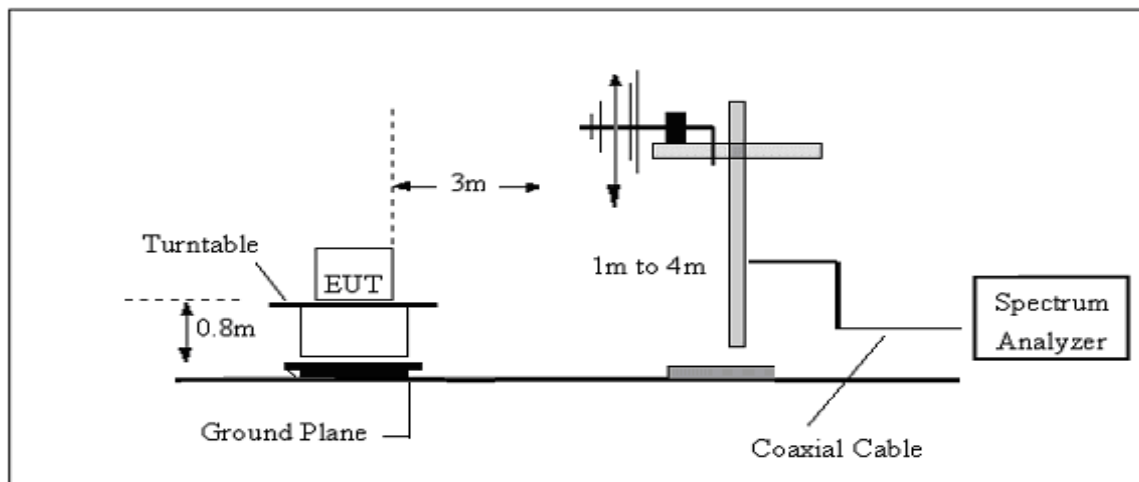
- a. The final measurement is performed for at least six highest peaks according to the requirements of the ANSI C63.10.
- b. Based on antenna and turntable positions at which the peak values are measured the software maximizes the peaks by changing turntable and antenna height between 1 and 4 m.
- c. The final measurement is done with quasi-peak detector (as described in ANSI C 63.4).
- d. The final measurement is done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector (as described in ANSI C 63.10).
- e. Final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. A plot with the graph of the measurement and the limit is stored.

4.3 TEST SETUP

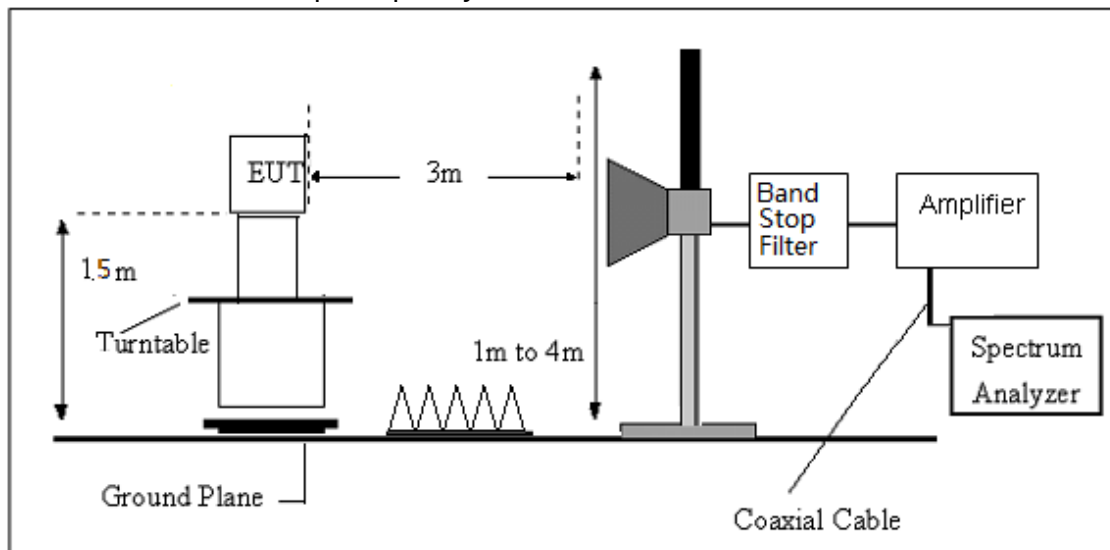
(A) Radiated Emission Test-Up Frequency 9 KHz – 30MHz



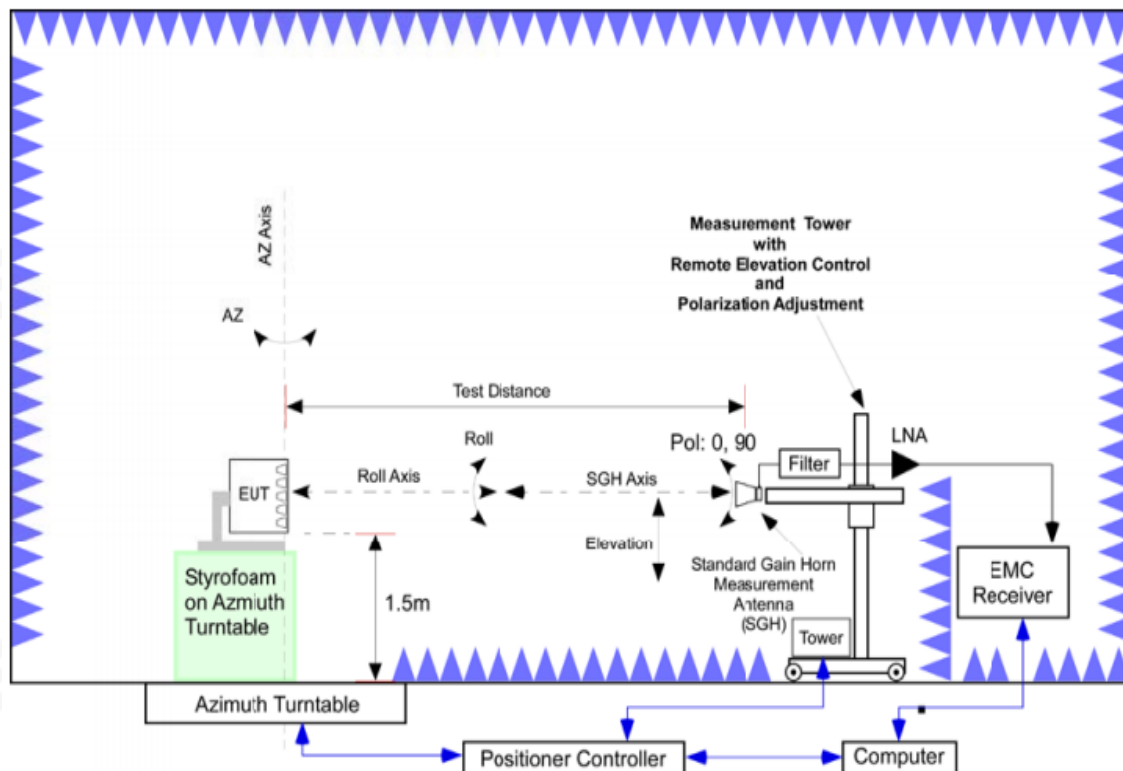
(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



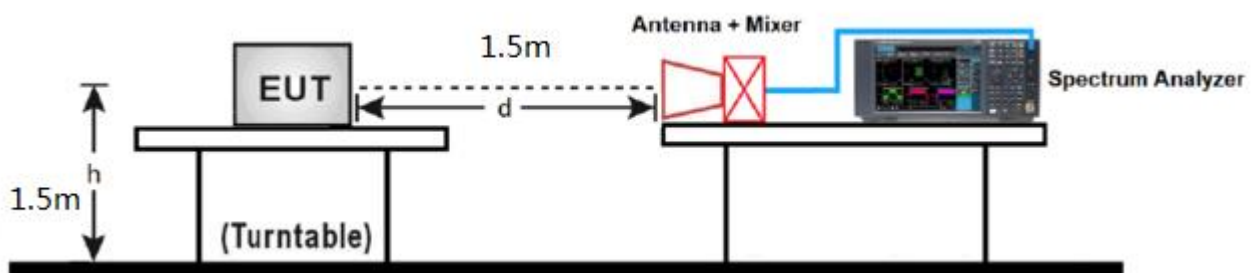
(C) Radiated Emission Test-Up Frequency 1GHz~18GHz



(D) Radiated Emission Test-Up Frequency 18GHz~40GHz



(E) Radiated Emission Test-Up Frequency 40GHz~200GHz





4.4 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

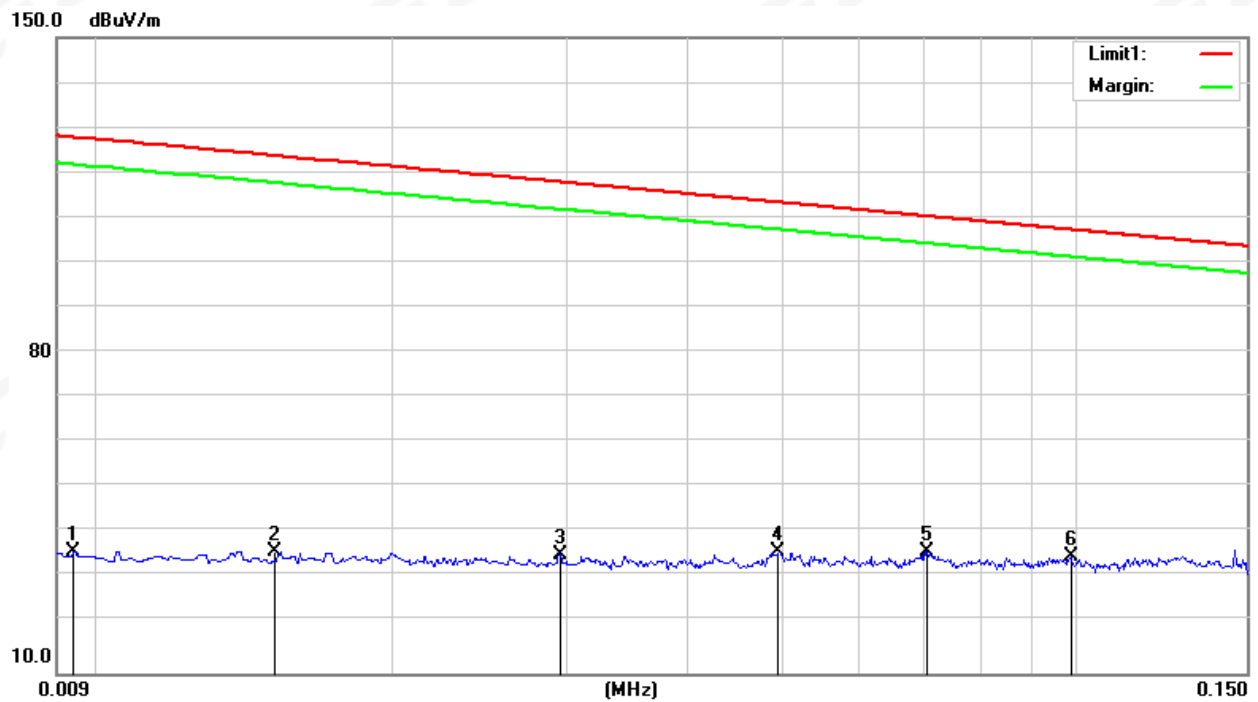
Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dBμV/m)	(dBμV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

$$\text{Factor} = \text{AF} + \text{CL} - \text{AG}$$



4.5 TEST RESULTS

Coxial
RSE-9KHz-150KHz



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0094	17.45	19.33	36.78	128.14	-91.36	peak
2	0.0151	16.87	19.74	36.61	124.03	-87.42	peak
3	0.0293	16.07	19.91	35.98	118.27	-82.29	peak
4	0.0495	17.10	19.51	36.61	113.71	-77.10	peak
5	0.0704	17.98	18.93	36.91	110.65	-73.74	peak
6	0.0990	18.04	17.65	35.69	107.69	-72.00	peak