TEST REPORT

Application No.:	KSCR2507001658AT
Applicant:	Gosuncn Technology Group Co., Ltd.
Address of Applicant:	6F, 2819 KaiChuang Blvd., Science Town, Huangpu District, Guangzhou City, Guangdong, China.
Manufacturer:	Gosuncn Technology Group Co., Ltd.
Address of Manufacturer:	6F, 2819 KaiChuang Blvd., Science Town, Huangpu District, Guangzhou City, Guangdong, China.
Equipment Under Test (EUT):	
EUT Name:	Tracker
Model No.:	GT117U2
Standard(s) :	47 CFR Part 15, Subpart B
Date of Receipt:	2025-07-20
Date of Test:	2025-07-21 to 2025-07-27
Date of Issue:	2025-08-01
Test Result:	**Pass***

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

Compliance Certification Services (Kunshan) Inc.
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Revision Record			
Version	**Description**	***Date***	***Remark***
00	Original	2025-08-01	/

Authorized for issue by:				
Tested By				
		Eric_Liu/Project Engineer		
Approved By				
		Terry Hou /Reviewer		

2 Test Summary

Emission Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Radiated Emissions (30MHz-1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4-2014	15.109(a);Class B	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.4-2014	15.109(g);Class B	Pass

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	DC 12V by battery DC 24V by battery

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
The EUT has been tested as an independent unit.			

4.3 Measurement Uncertainty & Decision Rule

Measurement Uncertainty:

No.	Item	Measurement Uncertainty (U_{LAB}) *	U_{CISPR}
1	Conducted Emission at mains port using AMN	2.4dB (9kHz to 150kHz)	3.8dB (9kHz to 150kHz)
		2.2dB (150kHz to 30MHz)	3.4dB (150kHz to 30MHz)
2	Conducted Emission at telecommunication port using AAN	4.0 dB (150kHz to 30MHz)	5.0dB (150kHz to 30MHz)
3	Radiated Power	3.2dB	4.5dB (30MHz to 300MHz)
4	Radiated Emission (10m)	4.1 dB	6.3dB (30MHz-1GHz)
5	Radiated Emission (3m)	4.6 dB (30MHz-1GHz)	6.3dB (30MHz-1GHz)
		5.0dB (1GHz-6GHz)	5.2dB (1GHz-6GHz)
		5.2dB (6GHz-18GHz)	5.5dB (6GHz-18GHz)
		5.3dB (18GHz-40GHz)	N/A

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

Decision Rule:

• CISPR 16-4-2 for emission measurements is as below described.
Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

U_{LAB} less than U_{CISPR}, therefore:

– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit.

– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

• For immunity testing no decision rule is applicable.

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).

3. Sample source: sent by customer.

4.5 Test Facility

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

• 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

5 Equipment List

Radiated Emissions (30MHz-1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
EMI Test Receiver	R&S	ESCI	KS301196	08/01/2024	07/31/2025
Antenna	TESEQ	CBL 6112D	KUS1806E006	03/23/2025	03/22/2026
Spectrum Analyzer	R&S	FSU26	KS301206	03/27/2025	03/26/2026
Signal Analyzer	R&S	FSV40	KUS1806E003	08/06/2024	08/05/2025
Software	Faratronic	E3 v 3A1	N/A	N/A	N/A

Radiated Emissions (Above 1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Spectrum Analyzer	R&S	FSU26	KS301206	03/27/2025	03/26/2026
Preamplifier	PANSHAN TECHNOLOGY	LNA:1~18G	KSEM010-2	12/06/2024	12/05/2025
Horn-antenna	SCHWARZBECK	BBHA9120D	KS301079	03/23/2025	03/22/2026
Antenna	SCHAFFNER	CBL6143	CZ301091	08/11/2024	08/10/2026
Software	Faratronic	E3 v 3A1	N/A	N/A	N/A

General used equipment					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Digital Pressure Meter	Mengde	DYM3	CZ750023	01/14/2025	01/13/2026
Temperature & Humidity Recorder	JDRK	RS-WS-N01-6J	KSEM024-1 KSEM024-2 KSEM024-3 KSEM024-6 KSEM024-7 KSEM024--8 KSEM024--9	03/18/2025	03/17/2026

6 Emission Test Results

6.1 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B
Test Method: ANSI C63.4-2014

Limit:

	Class B
Test Distance:	3m
30MHz -88MHz	40.0(dBμV/m) quasi-peak
88MHz-216MHz	43.5(dBμV/m) quasi-peak
216MHz-960MHz	46.0(dBμV/m) quasi-peak
960MHz-1000MHz	54.0(dBμV/m) quasi-peak
Detector:	Peak for pre-scan (120kHz resolution bandwidth) 30MHz to1000MHz

	Class B
Test Distance:	10m
30MHz -88MHz	29.5(dBμV/m) quasi-peak
88MHz-216MHz	33.1(dBμV/m) quasi-peak
216MHz-960MHz	35.6(dBμV/m) quasi-peak
960MHz-1000MHz	43.5(dBμV/m) quasi-peak
Detector:	Peak for pre-scan (120kHz resolution bandwidth) 30MHz to1000MHz

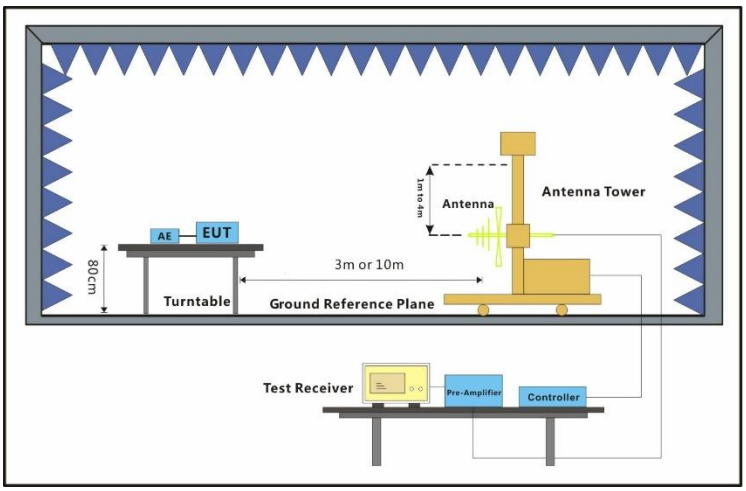
6.1.1 E.U.T. Operation

Operating Environment:
Temperature: 23.8 °C Humidity: 56.8 % RH Atmospheric Pressure: 1010 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Normal working: DC 12V power supply to maintain continuous operation of EUT.
Final test	01	Normal working: DC 24V power supply to maintain continuous operation of EUT.

6.1.3 Test Setup Diagram



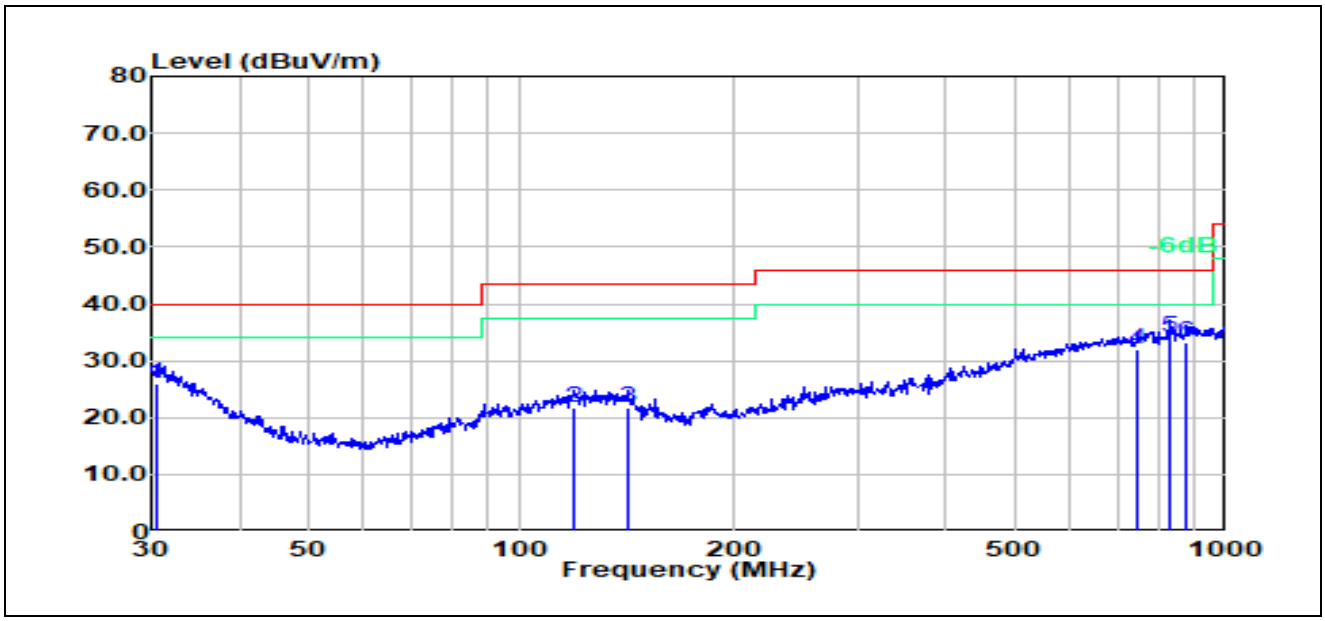
6.1.4 Measurement Procedure and Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

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

Test Mode: 00; Polarity: Horizontal

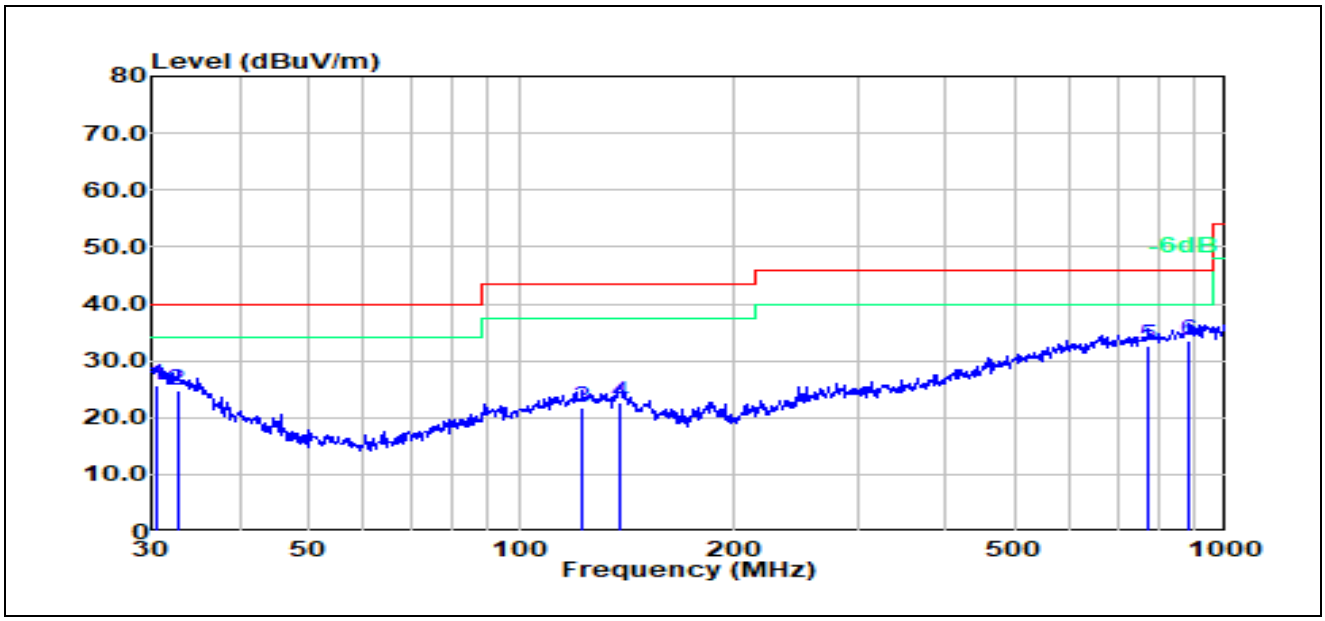
Test Data :



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.42	1.24	24.78	26.02	40.00	-13.98	100	328	QP
2	119.44	1.49	20.25	21.74	43.50	-21.76	200	148	QP
3	141.83	2.18	19.57	21.75	43.50	-21.75	100	10	QP
4	747.48	2.01	29.84	31.85	46.00	-14.15	100	232	QP
5	827.49	3.82	30.39	34.21	46.00	-11.79	200	238	QP
6	878.32	1.78	31.28	33.06	46.00	-12.94	100	218	QP

Test Mode: 00; Polarity: Vertical

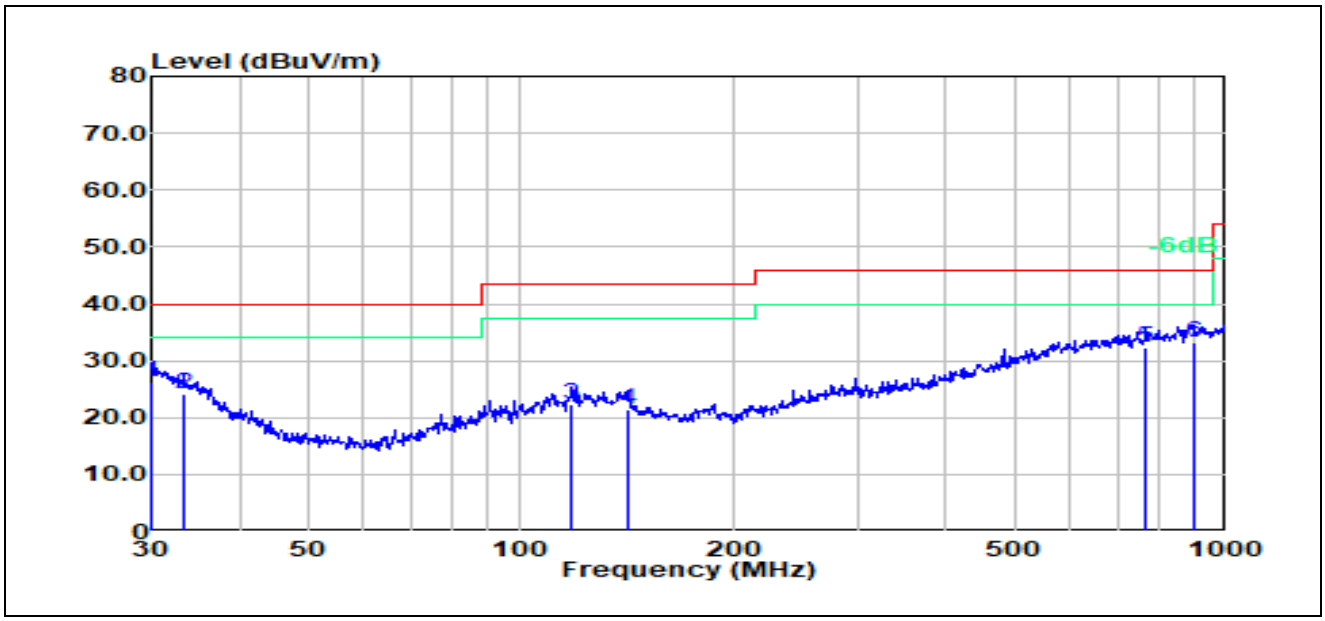
Test Data :



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.42	0.91	24.78	25.69	40.00	-14.31	100	204	QP
2	32.63	1.57	23.21	24.78	40.00	-15.22	100	299	QP
3	122.40	1.99	19.80	21.79	43.50	-21.71	100	239	QP
4	138.87	2.13	20.41	22.54	43.50	-20.96	100	39	QP
5	774.16	2.52	30.04	32.56	46.00	-13.44	100	185	QP
6	884.50	2.13	31.28	33.41	46.00	-12.59	100	352	QP

Test Mode: 01; Polarity: Horizontal

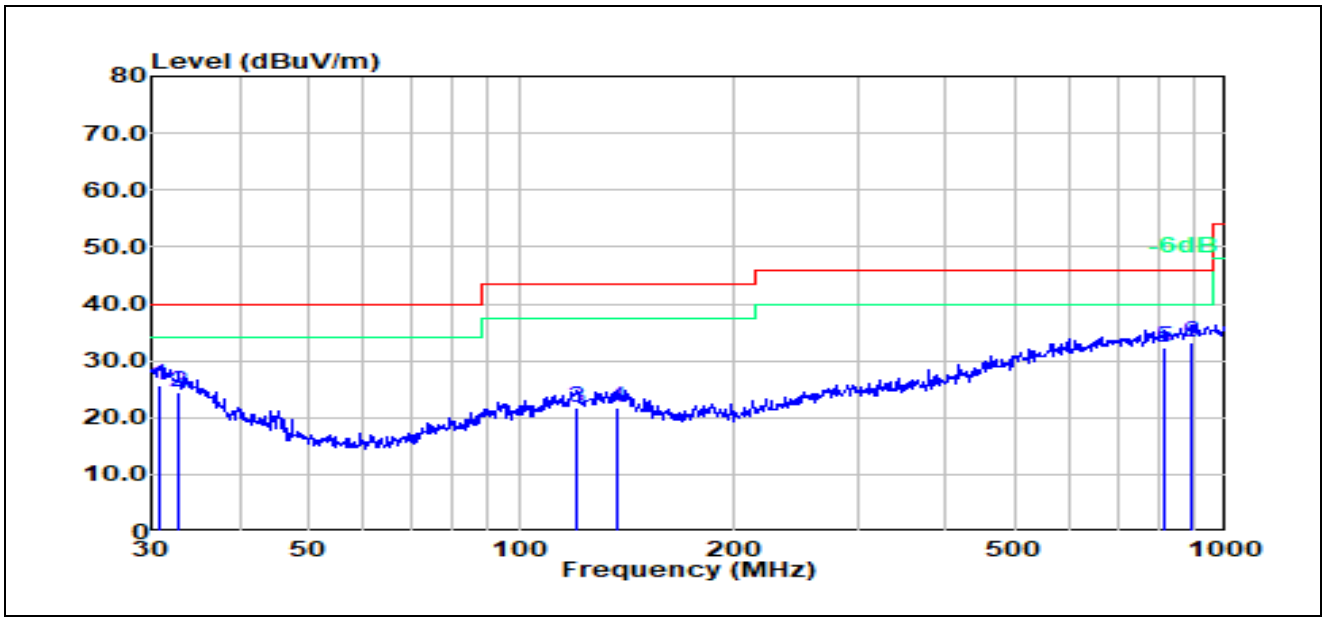
Test Data :



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.11	1.17	25.04	26.21	40.00	-13.79	100	259	QP
2	33.33	1.27	22.92	24.19	40.00	-15.81	200	211	QP
3	118.19	2.21	20.16	22.37	43.50	-21.13	200	314	QP
4	141.83	2.01	19.57	21.58	43.50	-21.92	100	31	QP
5	768.75	2.05	30.21	32.26	46.00	-13.74	200	307	QP
6	897.00	1.57	31.60	33.17	46.00	-12.83	100	80	QP

Test Mode: 01; Polarity: Vertical

Test Data :



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.75	1.12	24.53	25.65	40.00	-14.35	100	300	QP
2	32.75	1.29	23.19	24.48	40.00	-15.52	100	218	QP
3	119.86	1.28	20.34	21.62	43.50	-21.88	100	59	QP
4	137.42	1.19	20.40	21.59	43.50	-21.91	100	74	QP
5	818.83	2.19	30.22	32.41	46.00	-13.59	100	328	QP
6	890.73	1.94	31.35	33.29	46.00	-12.71	100	170	QP

6.2 Radiated Emissions (Above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B
Test Method: ANSI C63.4-2014

Limit:

	Class B
Above 1GHz	74(dBμV/m) peak, 54(dBμV/m) average
Detector:	Peak for pre-scan (1000kHz resolution bandwidth) 1000M to18000MHz

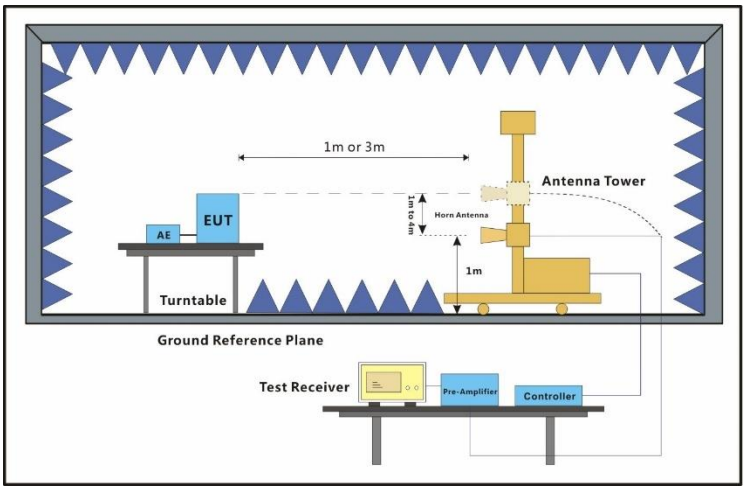
6.2.1 E.U.T. Operation

Operating Environment:
Temperature: 24.5 °C Humidity: 54.5 % RH Atmospheric Pressure: 1010 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Normal working: DC 12V power supply to maintain continuous operation of EUT.
Final test	01	Normal working: DC 24V power supply to maintain continuous operation of EUT.

6.2.3 Test Setup Diagram



6.2.4 Measurement Procedure and Data

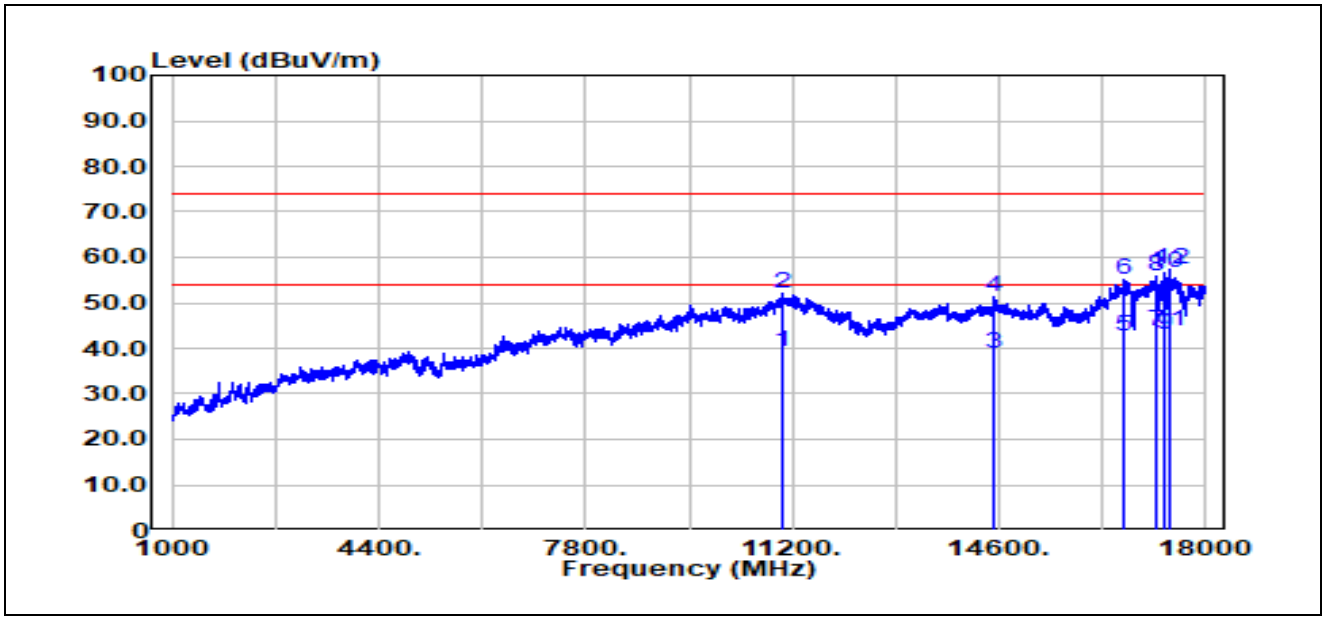
An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

The red line show in graphic is the limit in standard used in this section.

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

Test Mode: 00; Polarity: Horizontal

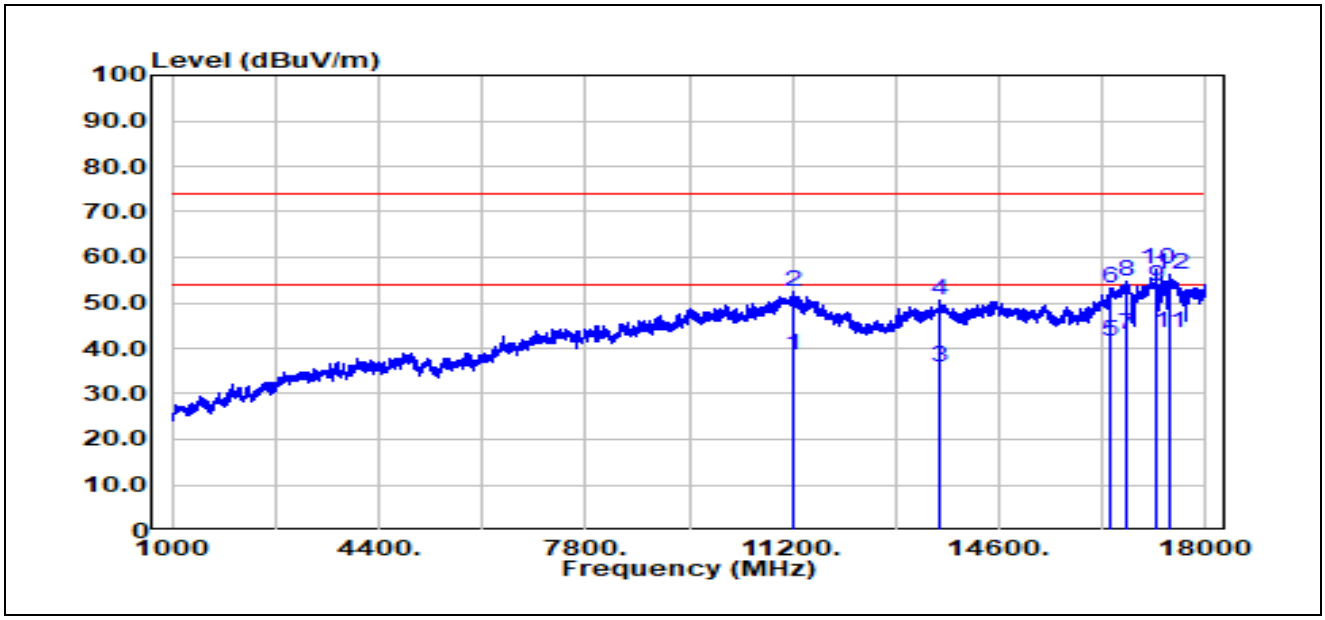
Test Data :



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11042.75	37.45	1.69	39.14	54.00	-14.86	100	145	Average
2	11042.75	50.20	1.69	51.89	74.00	-22.11	100	145	Peak
3	14498.00	38.25	0.66	38.91	54.00	-15.09	200	222	Average
4	14498.00	50.65	0.66	51.31	74.00	-22.69	200	222	Peak
5	16631.50	38.25	4.42	42.67	54.00	-11.33	100	238	Average
6	16631.50	50.69	4.42	55.11	74.00	-18.89	100	238	Peak
7	17188.25	37.65	6.00	43.65	54.00	-10.35	100	36	Average
8	17188.25	49.72	6.00	55.72	74.00	-18.28	100	36	Peak
9	17311.50	37.12	5.97	43.09	54.00	-10.91	100	94	Average
10	17311.50	50.74	5.97	56.71	74.00	-17.29	100	94	Peak
11	17396.50	37.81	6.13	43.94	54.00	-10.06	100	73	Average
12	17396.50	51.09	6.13	57.22	74.00	-16.78	100	73	Peak

Test Mode: 00; Polarity: Vertical

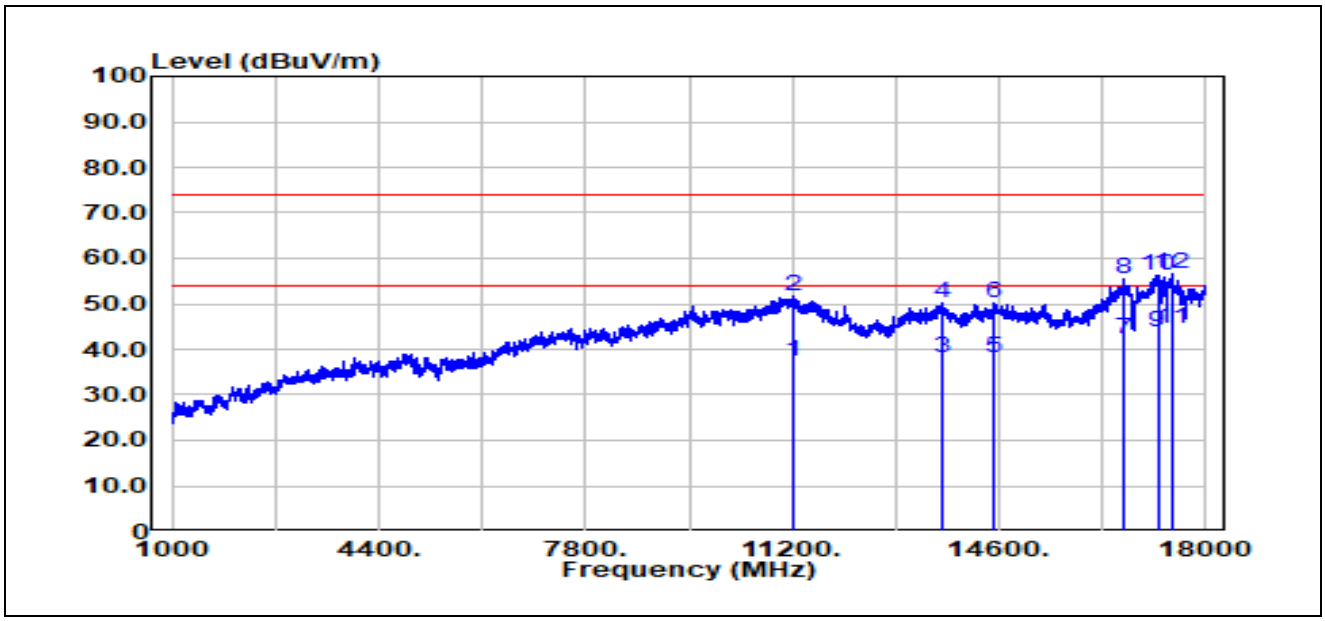
Test Data :



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11217.00	37.54	1.11	38.65	54.00	-15.35	100	132	Average
2	11217.00	51.44	1.11	52.55	74.00	-21.45	100	132	Peak
3	13622.50	36.74	-0.72	36.02	54.00	-17.98	100	56	Average
4	13622.50	51.38	-0.72	50.66	74.00	-23.34	100	56	Peak
5	16414.75	37.85	3.64	41.49	54.00	-12.51	100	269	Average
6	16414.75	49.71	3.64	53.35	74.00	-20.65	100	269	Peak
7	16682.50	38.24	4.65	42.89	54.00	-11.11	200	41	Average
8	16682.50	50.24	4.65	54.89	74.00	-19.11	200	41	Peak
9	17188.25	47.59	6.00	53.59	54.00	-0.41	100	359	Average
10	17188.25	51.34	6.00	57.34	74.00	-16.66	100	359	Peak
11	17392.25	37.25	6.10	43.35	54.00	-10.65	100	17	Average
12	17392.25	49.95	6.10	56.05	74.00	-17.95	100	17	Peak

Test Mode: 01; Polarity: Horizontal

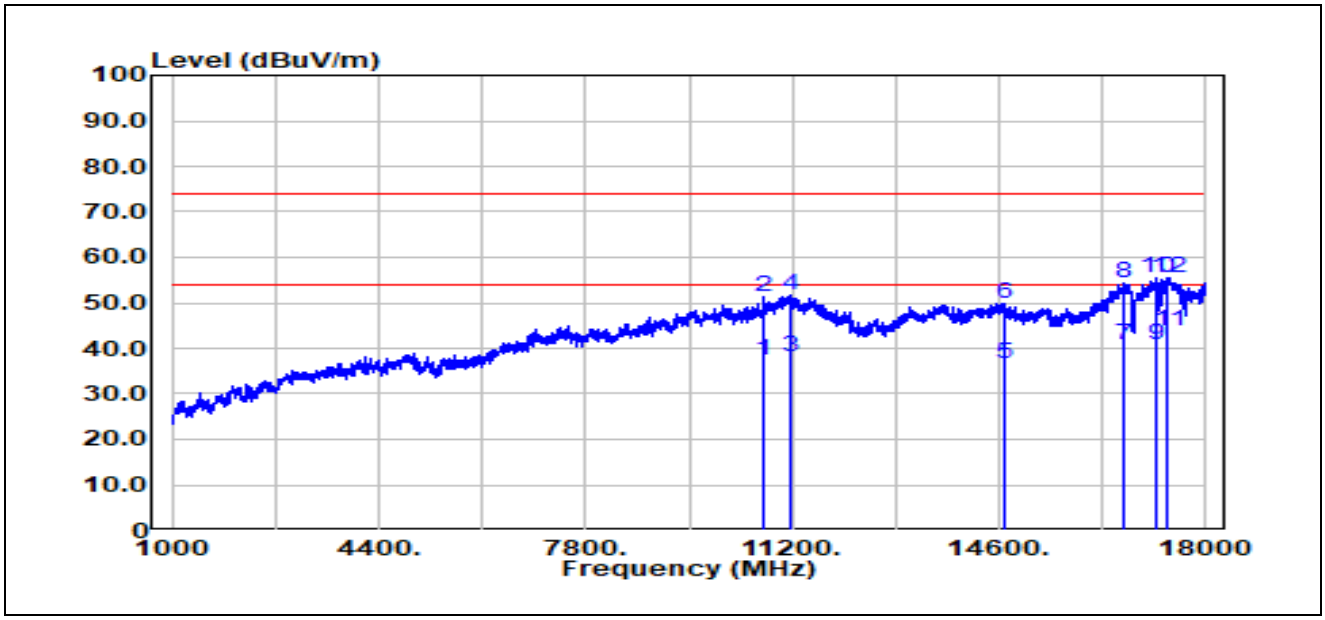
Test Data :



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11204.25	36.31	1.23	37.54	54.00	-16.46	100	359	Average
2	11204.25	50.34	1.23	51.57	74.00	-22.43	100	359	Peak
3	13677.75	38.84	-0.59	38.25	54.00	-15.75	100	17	Average
4	13677.75	50.73	-0.59	50.14	74.00	-23.86	100	17	Peak
5	14493.75	37.32	0.63	37.95	54.00	-16.05	200	42	Average
6	14493.75	49.62	0.63	50.25	74.00	-23.75	200	42	Peak
7	16657.00	37.60	4.55	42.15	54.00	-11.85	100	234	Average
8	16657.00	50.81	4.55	55.36	74.00	-18.64	100	234	Peak
9	17205.25	37.61	6.08	43.69	54.00	-10.31	100	170	Average
10	17205.25	50.23	6.08	56.31	74.00	-17.69	100	170	Peak
11	17430.50	38.83	5.88	44.71	54.00	-9.29	100	337	Average
12	17430.50	50.84	5.88	56.72	74.00	-17.28	100	337	Peak

Test Mode: 01; Polarity: Vertical

Test Data :



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10728.25	36.53	1.01	37.54	54.00	-16.46	100	326	Average
2	10728.25	50.22	1.01	51.23	74.00	-22.77	100	326	Peak
3	11191.50	37.00	1.25	38.25	54.00	-15.75	100	206	Average
4	11191.50	50.27	1.25	51.52	74.00	-22.48	100	206	Peak
5	14668.00	35.95	0.79	36.74	54.00	-17.26	200	284	Average
6	14668.00	48.99	0.79	49.78	74.00	-24.22	200	284	Peak
7	16657.00	36.03	4.55	40.58	54.00	-13.42	100	284	Average
8	16657.00	49.80	4.55	54.35	74.00	-19.65	100	284	Peak
9	17192.50	34.81	6.04	40.85	54.00	-13.15	100	275	Average
10	17192.50	49.57	6.04	55.61	74.00	-18.39	100	275	Peak
11	17375.25	37.82	5.97	43.79	54.00	-10.21	100	11	Average
12	17375.25	49.67	5.97	55.64	74.00	-18.36	100	11	Peak

7 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2507001658AT

8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for KSCR2506001373AT

- End of the Report -