TEST REPORT

Report No. :	KS2505S2270E03
FCC ID :	2A98M-PM2400PRO
Applicant :	Shenzhen Doke Communication Co.,Ltd
Address :	1301-1302, 13th Floor, Block B, WeiDongLong Business Building, Meilong Road 2113, Longhua District, ShenZhen, P.R.C
Manufacturer :	Shenzhen Doke Communication Co.,Ltd
Address :	1301-1302, 13th Floor, Block B, WeiDongLong Business Building, Meilong Road 2113, Longhua District, ShenZhen, P.R.C
Product Name :	Portable Power Station
Trademark :	OSCAL, Blackview
Model/Type reference :	PowerMax 2400 Pro, PowerMax 2400 Plus, PM2400 Pro
Standard :	47 CFR Part 15C
Date of Receipt :	May 14, 2025
Date of Test Date :	May 14, 2025 to July 22, 2025
Date of issue :	July 22, 2025
**Test result : **	**Pass**
Conclusion :	The submitted sample was found to COMPLY with the standards above.

Prepared by:	Name: Tom Chen Title: Project Engineer	Tom Chen
Approved by:	Name: Sky Dong Title: EMC Supervisor	Sky dong

Testing Laboratory Name... :	**KSIGN(Guangdong) Testing Co., Ltd.**
Address :	West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China

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1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

47 CFR Part 15C: Radiated emission limits; general requirements

ANSI C63.10-2013: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

1.2. Report Version

Revised No.	Date of issue	Description
01	July 22, 2025	Original

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1.3. Test Description

Test Item	Standard	Requirement	Result
Antenna requirement	47 CFR Part 15C	47 CFR Part 15.203	Pass
Conducted Emission at AC power line	47 CFR Part 15C	47 CFR Part 15.207(a)	Pass
20dB Occupied Bandwidth	47 CFR Part 15C	47 CFR Part 15.215(c)	Pass
Emissions in frequency bands (below 30MHz)	47 CFR Part 15C	47 CFR Part 15.209	Pass
Emissions in frequency bands (30MHz - 1GHz)	47 CFR Part 15C	47 CFR Part 15.209	Pass

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1.4. Test Facility

KSIGN(Guangdong) Testing Co., Ltd.
West Side of
1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park,
Minzhu,Shatou, Shajing, Bao'an District, Shenzhen,
Guangdong, China

The test facility is recognized, certified, or accredited by the following organizations:
CNAS-Lab Code: L 13261
KSIGN(Guangdong) Testing Co., Ltd. has been assessed and proved to be in Compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements) for the Competence of Testing and Calibration Laboratories.
A2LA-Lab Cert. No.: 5457.01
KSIGN(Guangdong) Testing Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.
ISED# : 25693 CAB identifier.: CN0096
KSIGN(Guangdong) Testing Co., Ltd. has been listed by Innovation, Science and Economic Development Canada to perform electromagnetic emission measurement.
FCC-Registration No.: 294912 Designation Number: CN1328
KSIGN(Guangdong) Testing Co., Ltd. EMC Laboratory has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

1.5. Measurement Uncertainty

Test Items	Measurement Uncertainty
Conducted Emission (150k-30MHz)	± 3.34dB
RSE (30-1000MHz)	± 5.7dB

The reported uncertainty of measurement y ± 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 %. Otherwise required by the applicant or Product Regulations.Decision Rule in this report did not consider the uncertainty.

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2. GENERAL INFORMATION

2.1. General Description Of EUT

Test Sample Number:	KS2505S2270E-01, KS2505S2270E-02
Product Name:	Portable Power Station
Trademark:	OSCAL, Blackview
Model / Type reference:	PowerMax 2400 Pro, PowerMax 2400 Plus, PM2400 Pro
Model Difference:	The only difference product models is models name. Different model names are available to meet market demands. Other power supply methods, appearance, internal structures, circuits and key components are the same, and do not affect safety and electromagnetic compatibility performance.According to the above information, all tests were performed on PowerMax 2400 Pro.
Power Supply:	DC 44.8V from battery
Operation Frequency:	115KHz-205KHz
Number of Channels:	1
Modulation Type:	ASK
Antenna Type:	Coil
Antenna Gain:	0dBi
Hardware Version:	V1.1
Software Version:	V1.1

Note: Antenna gain provided by the applicant Can affect the validity of results

2.2. Accessory Equipment Information

The EUT was tested as an independent device.

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2.3. Description of Test Modes

No.	Title	Description of Mode
Test Mode1	Two Coil wireless simultaneous charging mode(15W, 99%)	Worst case
Test Mode2	Two Coil wireless simultaneous charging mode(15W, 50%)	
Test Mode3	Two Coil wireless simultaneous charging mode(15W, 1%)	
Test Mode4	Two Coil wireless simultaneous charging mode(10W, 99%)	
Test Mode5	Two Coil wireless simultaneous charging mode(10W, 50%)	
Test Mode6	Two Coil wireless simultaneous charging mode(10W, 1%)	
Test Mode7	Two Coil wireless simultaneous charging mode(7.5W, 99%)	
Test Mode8	Two Coil wireless simultaneous charging mode(7.5W, 50%)	
Test Mode9	Two Coil wireless simultaneous charging mode(7.5W, 1%)	
Test Mode10	Two Coil wireless simultaneous charging mode(5W, 99%)	
Test Mode11	Two Coil wireless simultaneous charging mode(5W, 50%)	
Test Mode12	Two Coil wireless simultaneous charging mode(5W, 1%)	
Test Mode13	Coil 1-Wireless charging mode(15W, 99%)	
Test Mode14	Coil 1-Wireless charging mode(15W, 50%)	
Test Mode15	Coil 1-Wireless charging mode(15W, 1%)	
Test Mode16	Coil 1-Wireless charging mode(10W, 99%)	
Test Mode17	Coil 1-Wireless charging mode(10W, 50%)	
Test Mode18	Coil 1-Wireless charging mode(10W, 1%)	
Test Mode19	Coil 1-Wireless charging mode(7.5W, 99%)	
Test Mode20	Coil 1-Wireless charging mode(7.5W, 50%)	
Test Mode21	Coil 1-Wireless charging mode(7.5W, 1%)	
Test Mode22	Coil 1-Wireless charging mode(5W, 99%)	
Test Mode23	Coil 1-Wireless charging mode(5W, 50%)	
Test Mode24	Coil 1-Wireless charging mode(5W, 1%)	
Test Mode25	Coil 2-Wireless charging mode(15W, 99%)	
Test Mode26	Coil 2-Wireless charging mode(15W, 50%)	
Test Mode27	Coil 2-Wireless charging mode(15W, 1%)	
Test Mode28	Coil 2-Wireless charging mode(10W, 99%)	
Test Mode29	Coil 2-Wireless charging mode(10W, 50%)	
Test Mode30	Coil 2-Wireless charging mode(10W, 1%)	
Test Mode31	Coil 2-Wireless charging mode(7.5W, 99%)	
Test Mode32	Coil 2-Wireless charging mode(7.5W, 50%)	
Test Mode33	Coil 2-Wireless charging mode(7.5W, 1%)	
Test Mode34	Coil 2-Wireless charging mode(5W, 99%)	
Test Mode35	Coil 2-Wireless charging mode(5W, 50%)	
Test Mode36	Coil 2-Wireless charging mode(5W, 1%)	
Test Mode37	Standby mode	

Note:
All test modes were pre-tested, The Mode 1 was the worst case and only the data of the worst case record in this report.

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2.4. Measurement Instruments List

Conducted Emission at AC power line				
Test Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Until**
LISN	R&S	ENV432	1326.6105.02	2025-12-22
EMI Test Receiver	R&S	ESR	102524	2026-01-10
Manual RF Switch	JS TOYO	/	MSW-01/002	2025-12-22
ISN CAT6	Schwarzbeck	CAT5 8158	227	2025-12-22
Color Signal Generator	Philips	PM5418	672926	2025-12-22
Power Absorbing Clamp	R&S	MDS-21	100925	2025-12-25
LISN	EVERFINE	LS-5	G657431CD1431112	2025-12-22
Current Sensor Probe	Beijin ZHINAN	ZN23101	23013	2025-12-10
PV Artificial power network	Beijing KeHuan	KH8301	830120007	2025-07-23

20dB Occupied Bandwidth				
Test Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Until**
Wideband Radio Communication Tester	R&S	CMU200	115297	2025-12-22
Audio Analyzer	R&S	UPL16	100001	2025-12-22
Shielding box	Gxiong	GX-5915A	2201113	2025-12-22
High Pass Filter	COM-MW Technology Co., Ltd	ZHPF-M1.2-9G-187	09203403	2025-12-22
Band Stop Filter	COM-MW Technology Co., Ltd	ZBSF6-C820-920-188	09203401	2025-12-22
Splitter	COM-MW Technology Co., Ltd	ZPD-M1-8-2103	09203407	2025-12-22
Coaxial Cable	BEBES	A40-2.92M2.92F-4.5M	1907021	2025-12-22
Hygrothermograph	Anymetre	JB913	/	2025-12-22
Climate Chamber	Angul	AGNH80L	1903042120	2025-12-22
Spectrum Analyzer	HP	8593E	3831U02087	2025-12-22
Dual Output DC Power Supply	Agilent	E3646A	MY40009992	2025-12-29
RF Control Unit	Tonscend	JS0806-2	/	2025-12-22
Analog Signal Generator	HP	83752A	3344A00337	2025-12-22
Vector Signal Generator	Agilent	N5182A	MY50142520	2025-12-22
Wideband Radio Communication Tester	R&S	CMW500	157282	2025-12-22
Spectrum Analyzer	R&S	FSV40-N	101798	2026-02-11

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Emissions in frequency bands (below 30MHz) Emissions in frequency bands (30MHz - 1GHz)				
Test Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Until**
Color Signal Generator	Philips	PM5418	672926	2025-12-22
Log Periodic Antenna	Schwarzbeck	VULB 9163	1230	2026-01-13
Pre-Amplifier	Schwarzbeck	BBV 9745	9745#129	2025-12-22
Broadcast Television Signal Generator	R&S	SFE100	141038	2025-12-22
Analog Signal Generator	Agilent	8648A	3847M00445	2025-12-22
EMI Test Receiver	R&S	ESR	102525	2026-01-10
Loop Antenna	Beijin ZHINAN	ZN30900C	18050	2025-12-22
Horn Antenna	Schwarzbeck	BBHA 9120 D	2023	2025-12-25
Pre-Amplifier	EMCI	EMC051835SE	980662	2025-12-22
Spectrum Analyzer	Keysight	N9020A	MY46471971	2025-12-22

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3. Evaluation Results (Evaluation)

3.1. Antenna requirement

Test Requirement:	Refer to 47 CFR Part 15.203, 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 permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.
Conclusion:	The EUT uses Coil antenna, the max antenna gain is less than 6dBi, which is deemed to comply with the antenna requirement.

4. Radio Spectrum Matter Test Results (RF)

4.1. Conducted Emission at AC power line

Test Requirement:	Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, 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, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN).
Test Limit:	Frequency of emission (MHz) / Conducted limit (dBμV): 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.
Test Method:	ANSI C63.10-2013 section 6.2
Procedure:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.1.1. E.U.T. Operation:

Operating Environment:	
Temperature:	23.9 °C
Humidity:	45.8 %
Atmospheric Pressure:	102 kPa
Final test mode:	Test Mode1, Test Mode2, Test Mode3, Test Mode4, Test Mode5, Test Mode6, Test Mode7, Test Mode8, Test Mode9, Test Mode10, Test Mode11, Test Mode12, Test Mode13, Test Mode14, Test Mode15, Test Mode16, Test Mode17, Test Mode18, Test Mode19, Test Mode20, Test Mode21, Test Mode22, Test Mode23, Test Mode24, Test Mode25, Test Mode26, Test Mode27, Test Mode28, Test Mode29, Test Mode30, Test Mode31, Test Mode32, Test Mode33, Test Mode34, Test Mode35, Test Mode36, Test Mode37

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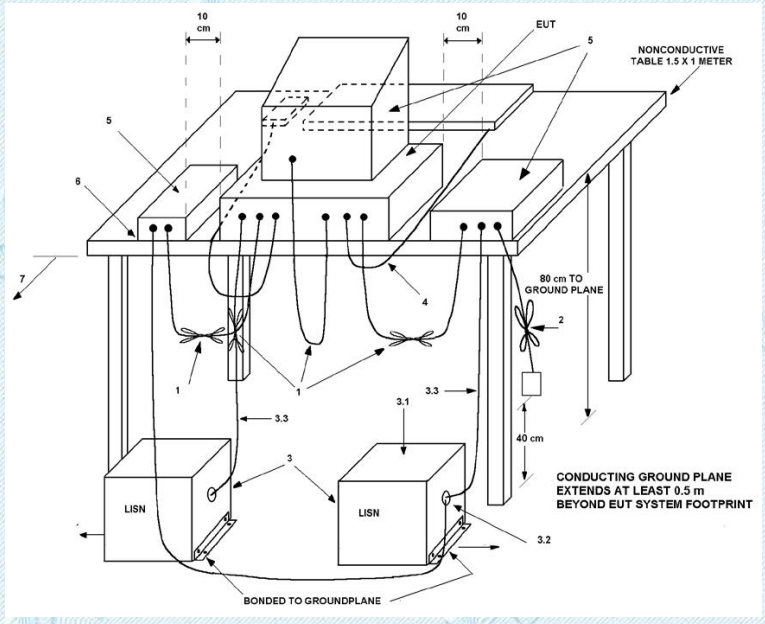
4.1.2. Test Setup Diagram:



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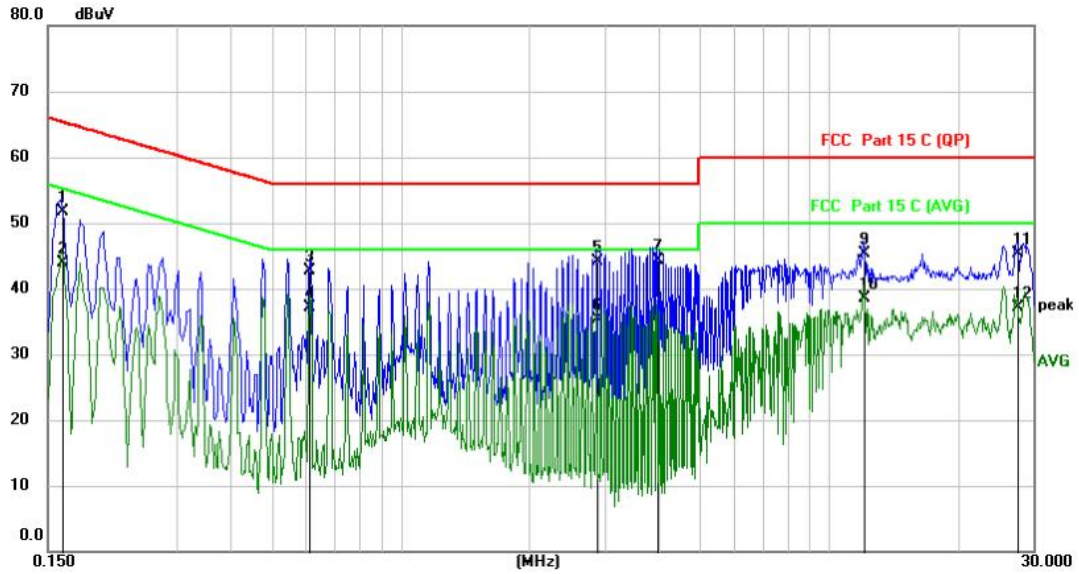
4.1.3. Test Data:

Test Mode1 / Line: Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1620	31.39	20.24	51.63	65.36	-13.73	QP	
2		0.1620	23.59	20.24	43.83	55.36	-11.53	AVG	
3		0.6139	22.48	20.28	42.76	56.00	-13.24	QP	
4	*	0.6139	16.86	20.28	37.14	46.00	-8.86	AVG	
5		2.8740	23.62	20.39	44.01	56.00	-11.99	QP	
6		2.8740	14.94	20.39	35.33	46.00	-10.67	AVG	
7		3.9660	23.90	20.47	44.37	56.00	-11.63	QP	
8		3.9660	15.30	20.47	35.77	46.00	-10.23	AVG	
9		12.0579	24.64	20.65	45.29	60.00	-14.71	QP	
10		12.0579	17.91	20.65	38.56	50.00	-11.44	AVG	
11		27.5060	24.44	20.81	45.25	60.00	-14.75	QP	
12		27.5060	16.34	20.81	37.15	50.00	-12.85	AVG	

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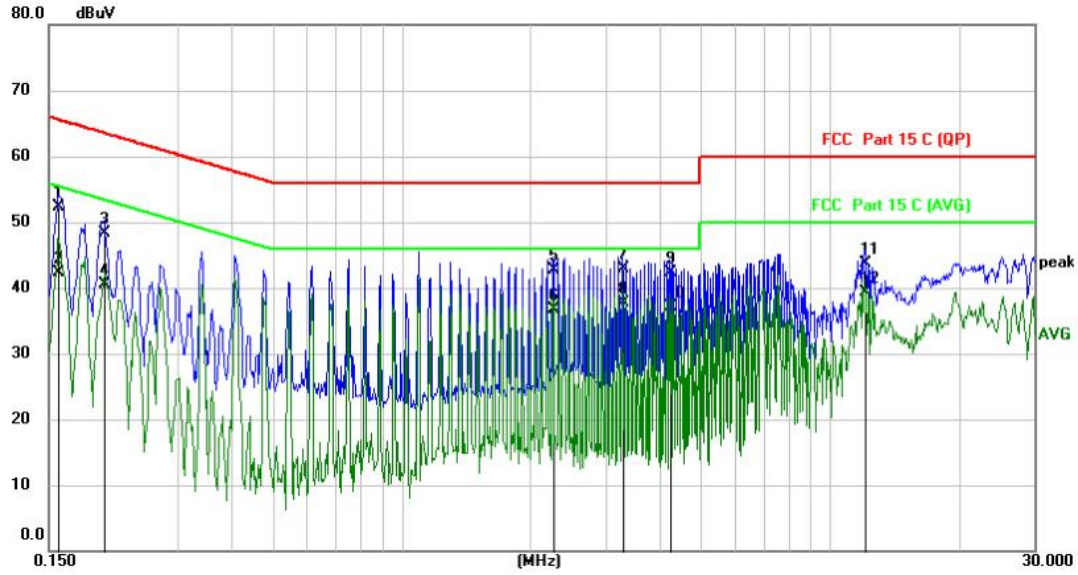
Test Mode1 / Line: Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1580	32.02	20.20	52.22	65.57	-13.35	QP	
2		0.1580	22.05	20.20	42.25	55.57	-13.32	AVG	
3		0.2020	28.16	20.22	48.38	63.53	-15.15	QP	
4		0.2020	20.34	20.22	40.56	53.53	-12.97	AVG	
5		2.2580	22.31	20.44	42.75	56.00	-13.25	QP	
6		2.2580	16.32	20.44	36.76	46.00	-9.24	AVG	
7		3.2860	22.60	20.39	42.99	56.00	-13.01	QP	
8	*	3.2860	17.27	20.39	37.66	46.00	-8.34	AVG	
9		4.2458	21.96	20.34	42.30	56.00	-13.70	QP	
10		4.2458	16.67	20.34	37.01	46.00	-8.99	AVG	
11		12.0579	23.06	20.68	43.74	60.00	-16.26	QP	
12		12.0579	18.64	20.68	39.32	50.00	-10.68	AVG	

Note:
1). QP Value (dBμV)= QP Reading (dBμV)+ Factor (dB)
2). Factor (dB)=insertion loss of LISN (dB) + Cable loss (dB)
3). QPMargin(dB) = QP Limit (dBμV) - QP Value (dBμV)
4). AVMargin(dB) = AV Limit (dBμV) - AV Value (dBμV)

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4.2. 20dB Occupied Bandwidth

Test Requirement:	47 CFR Part 15.215(c)
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.
Test Method:	ANSI C63.10-2013, section 6.9.2
Procedure:	a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement. c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2. d) Steps a) through c) might require iteration to adjust within the specified tolerances. e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target “−xx dB down” requirement; that is, if the requirement calls for measuring the −20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value. f) Set detection mode to peak and trace mode to max hold. g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value). h) Determine the “−xx dB down amplitude” using [(reference value) − xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument. i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j). j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-xx dB down amplitude” determined in step h). If a marker is below this “−xx dB down amplitude” value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the “-xx dB down amplitude” determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth. k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

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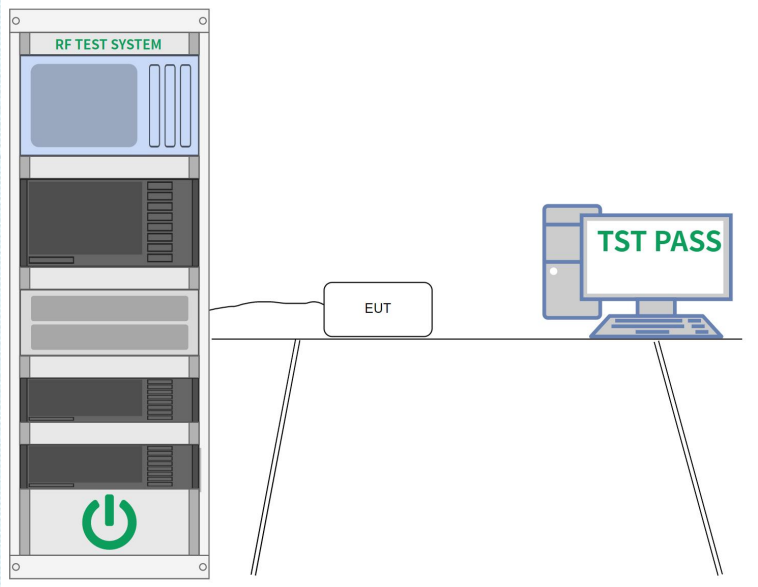
4.2.1. E.U.T. Operation:

Operating Environment:	
Temperature:	23.9 °C
Humidity:	45.8 %
Atmospheric Pressure:	102 kPa
Final test mode:	Test Mode1, Test Mode2, Test Mode3, Test Mode4, Test Mode5, Test Mode6, Test Mode7, Test Mode8, Test Mode9, Test Mode10, Test Mode11, Test Mode12, Test Mode13, Test Mode14, Test Mode15, Test Mode16, Test Mode17, Test Mode18, Test Mode19, Test Mode20, Test Mode21, Test Mode22, Test Mode23, Test Mode24, Test Mode25, Test Mode26, Test Mode27, Test Mode28, Test Mode29, Test Mode30, Test Mode31, Test Mode32, Test Mode33, Test Mode34, Test Mode35, Test Mode36, Test Mode37

4.2.2. Test Setup Diagram:



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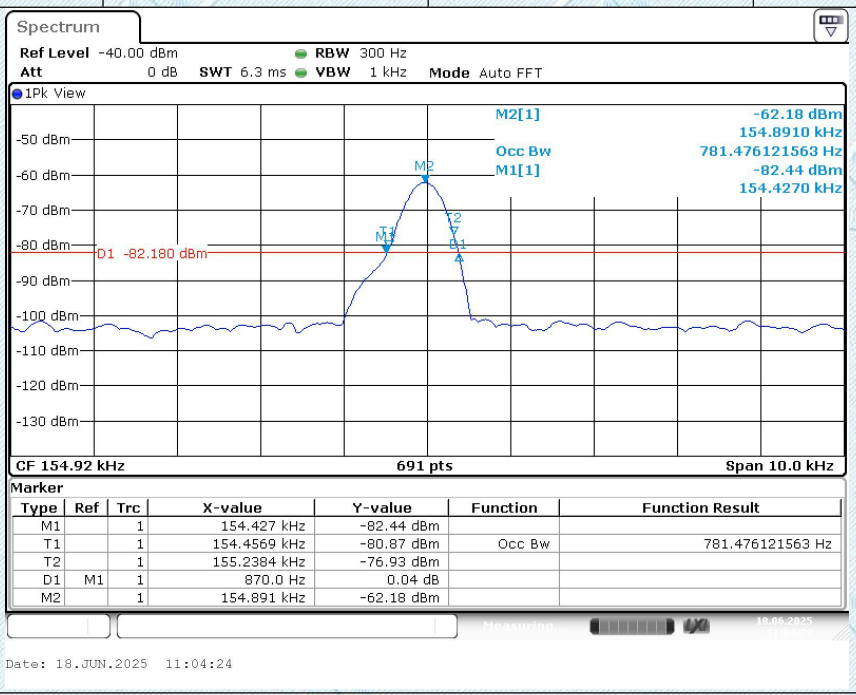
4.2.3. Test Data:

Coil ANT 1			
Frequency (KHz)	**99% Bandwidth(Hz)**	**-20dB Bandwidth(Hz)**	**Verdict**
154.92	781.5	870.0	PASS



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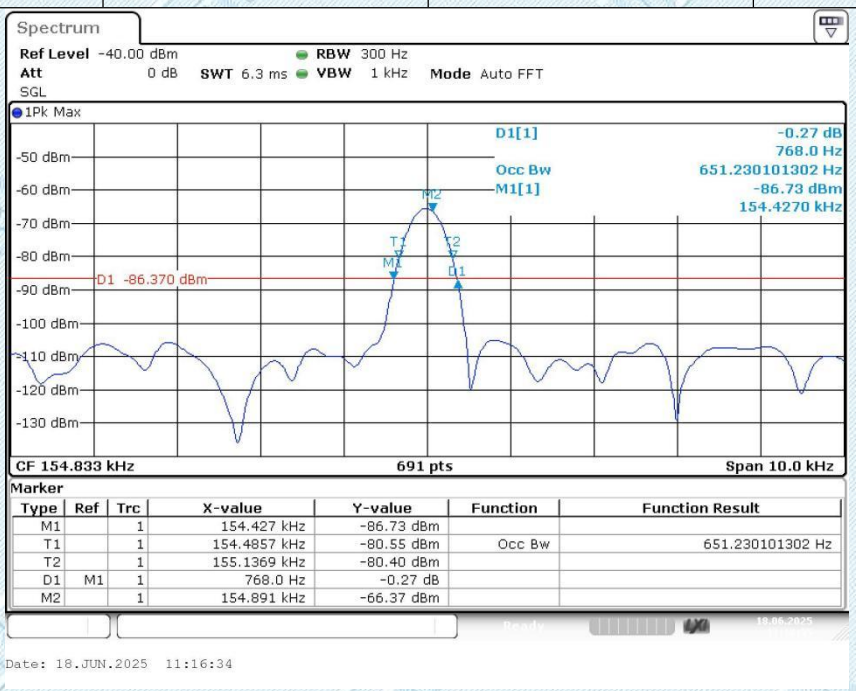
Coil ANT 2			
Frequency (KHz)	**99% Bandwidth(Hz)**	**-20dB Bandwidth(Hz)**	**Verdict**
154.83	651.2	768.0	PASS



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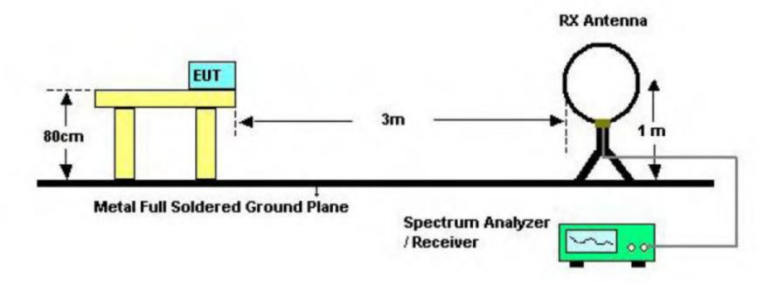
4.3. Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209
Test 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 30-88 / 100 ** / 3 88-216 / 150 ** / 3 216-960 / 200 ** / 3 Above 960 / 500 / 3 ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a)and (b)of this section are based on average limits. However, 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. For point-to-point operation under paragraph (b)of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.
Test Method:	ANSI C63.10-2013 section 6.4
Procedure:	ANSI C63.10-2013 section 6.4

4.3.1. E.U.T. Operation:

Operating Environment:	
Temperature:	23.9 °C
Humidity:	45.8 %
Atmospheric Pressure:	102 kPa
Final test mode:	Test Mode1, Test Mode2, Test Mode3, Test Mode4, Test Mode5, Test Mode6, Test Mode7, Test Mode8, Test Mode9, Test Mode10, Test Mode11, Test Mode12, Test Mode13, Test Mode14, Test Mode15, Test Mode16, Test Mode17, Test Mode18, Test Mode19, Test Mode20, Test Mode21, Test Mode22, Test Mode23, Test Mode24, Test Mode25, Test Mode26, Test Mode27, Test Mode28, Test Mode29, Test Mode30, Test Mode31, Test Mode32, Test Mode33, Test Mode34, Test Mode35, Test Mode36, Test Mode37

4.3.2. Test Setup Diagram:



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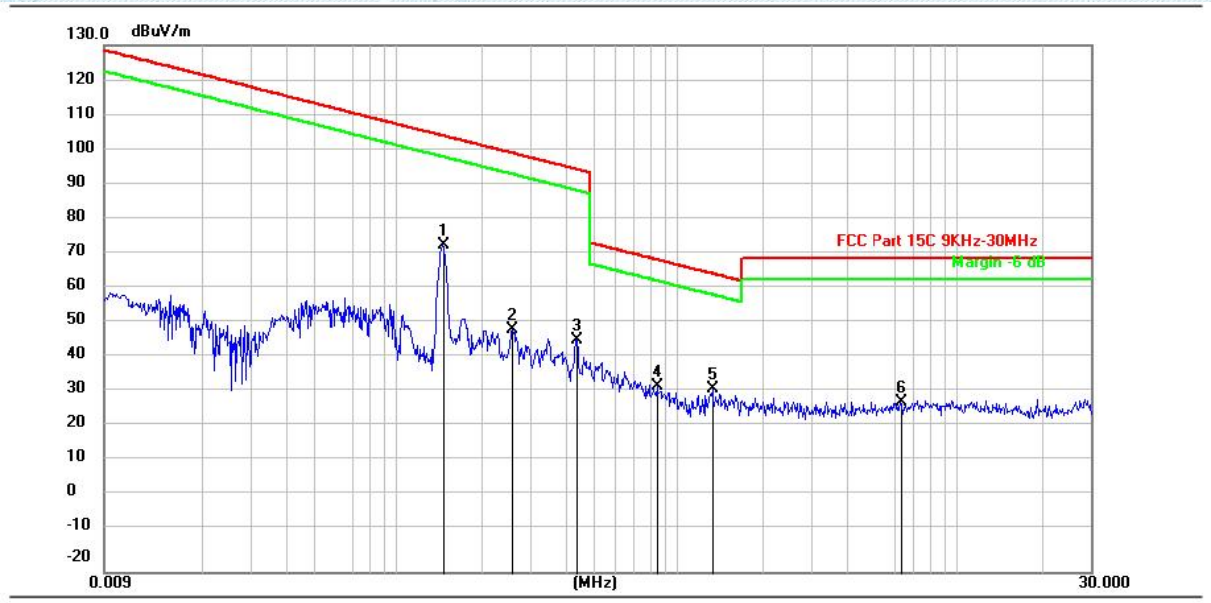
4.3.3. Test Data:

Test Mode1 / Axis: X



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1	*	0.1551	77.61	-4.36	73.25	104.31	-31.06	peak
2		0.2586	53.54	-4.25	49.29	99.35	-50.06	peak
3		0.4364	50.27	-4.15	46.12	94.81	-48.69	peak
4		0.8453	36.89	-3.92	32.97	69.06	-36.09	peak
5		1.3390	36.03	-3.88	32.15	65.07	-32.92	peak
6		6.3176	32.47	-3.80	28.67	69.54	-40.87	peak

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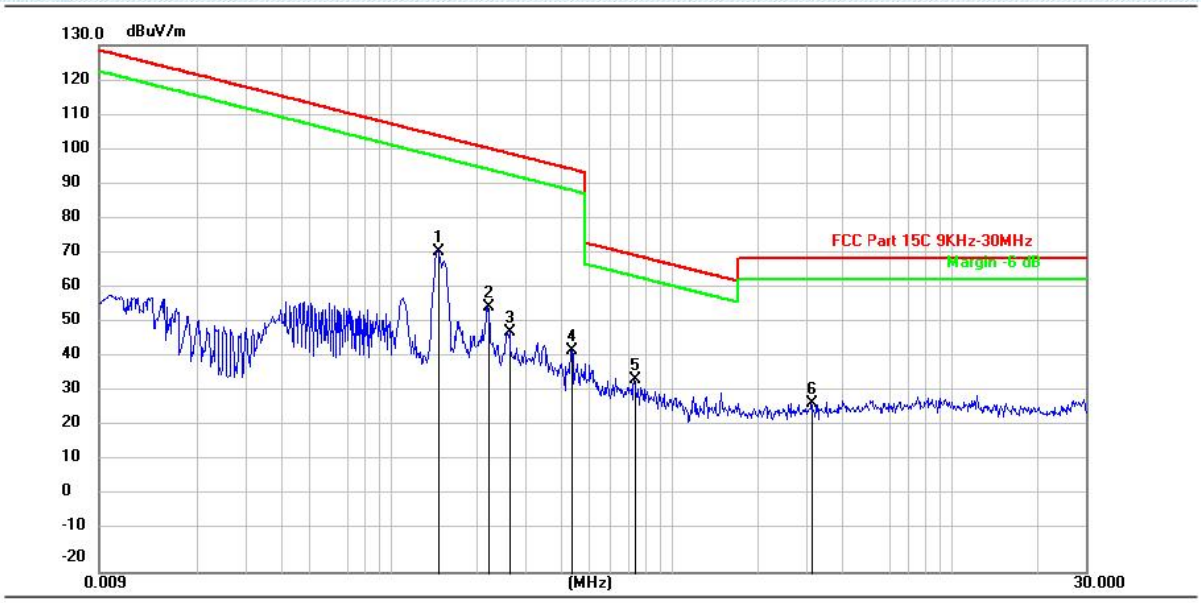
Test Mode1 / Axis: Y



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1	*	0.1551	75.66	-4.34	71.32	104.25	-32.93	peak
2		0.2200	59.85	-4.27	55.58	100.76	-45.18	peak
3		0.2637	52.81	-4.24	48.57	99.18	-50.61	peak
4		0.4381	47.48	-4.15	43.33	94.77	-51.44	peak
5		0.7347	39.10	-3.98	35.12	70.28	-35.16	peak
6		3.1320	31.98	-3.69	28.29	69.54	-41.25	peak

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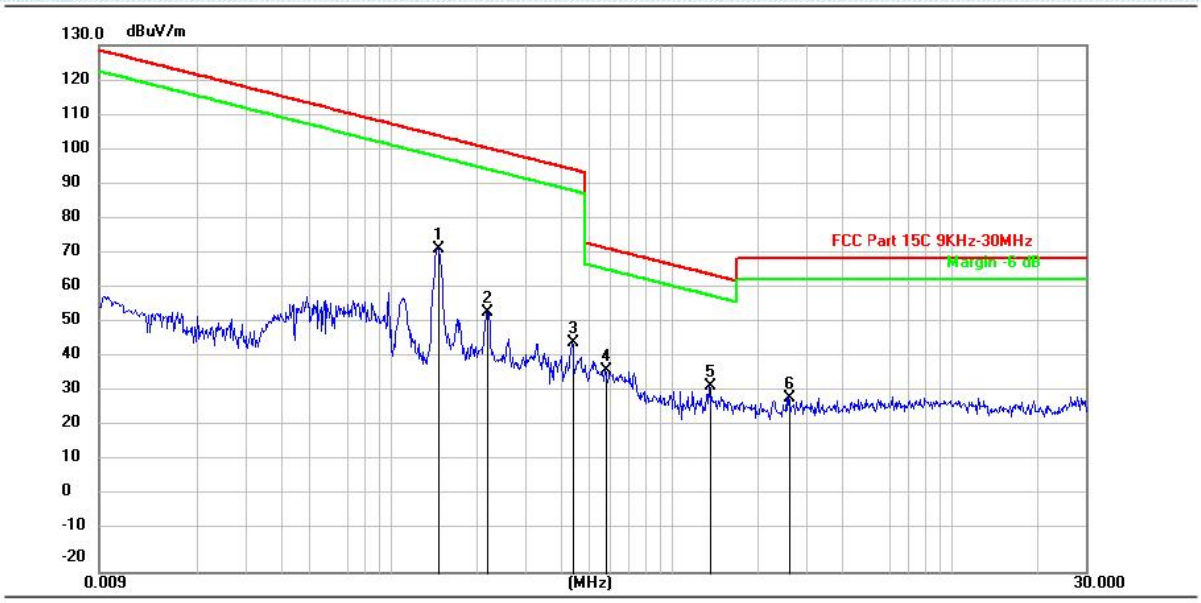
Test Mode1 / Axis: Z



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.1544	76.44	-4.35	72.09	104.29	-32.20	peak
2		0.2192	58.48	-4.27	54.21	100.79	-46.58	peak
3		0.4406	49.57	-4.16	45.41	94.72	-49.31	peak
4		0.5804	41.75	-4.06	37.69	72.33	-34.64	peak
5	*	1.3548	37.02	-3.89	33.13	64.97	-31.84	peak
6		2.5926	33.43	-3.83	29.60	69.54	-39.94	peak

Note:
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

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4.4. Emissions in frequency bands (30MHz - 1GHz)

Test Requirement:	47 CFR Part 15.209
Test 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 30-88 / 100 ** / 3 88-216 / 150 ** / 3 216-960 / 200 ** / 3 Above 960 / 500 / 3 ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a)and (b)of this section are based on average limits. However, 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. For point-to-point operation under paragraph (b)of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.
Test Method:	ANSI C63.10-2013 section 6.5
Procedure:	ANSI C63.10-2013 section 6.5

4.4.1. E.U.T. Operation:

Operating Environment:	
Temperature:	23.9 °C
Humidity:	45.8 %
Atmospheric Pressure:	102 kPa
Final test mode:	Test Mode1, Test Mode2, Test Mode3, Test Mode4, Test Mode5, Test Mode6, Test Mode7, Test Mode8, Test Mode9, Test Mode10, Test Mode11, Test Mode12, Test Mode13, Test Mode14, Test Mode15, Test Mode16, Test Mode17, Test Mode18, Test Mode19, Test Mode20, Test Mode21, Test Mode22, Test Mode23, Test Mode24, Test Mode25, Test Mode26, Test Mode27, Test Mode28, Test Mode29, Test Mode30, Test Mode31, Test Mode32, Test Mode33, Test Mode34, Test Mode35, Test Mode36, Test Mode37

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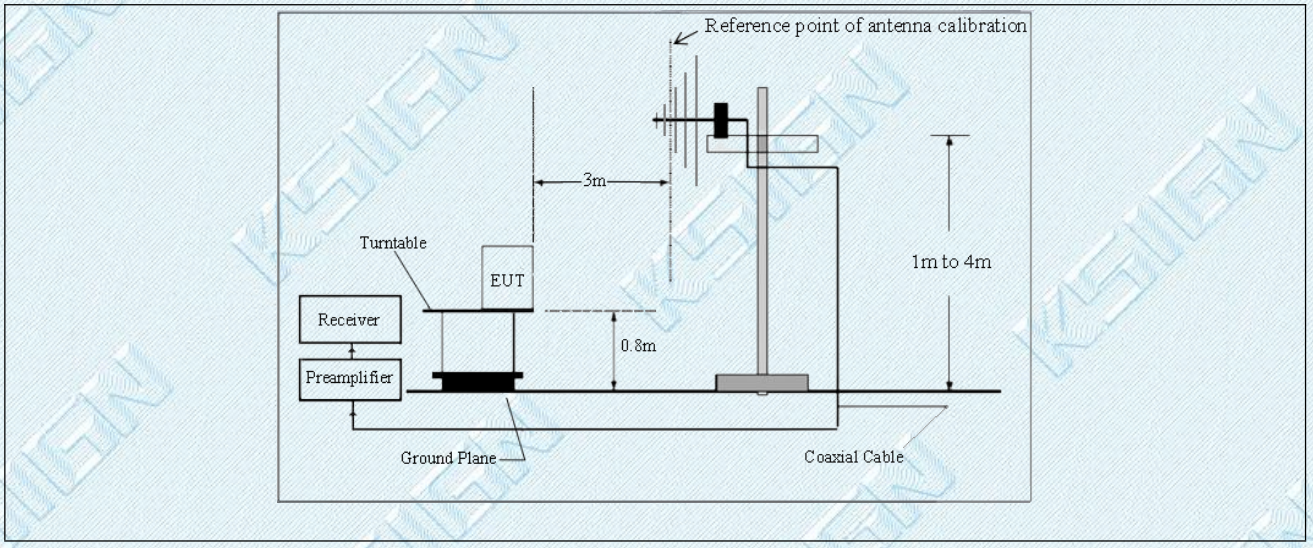
4.4.2. Test Setup Diagram:



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4.4.3. Test Data:

Test Mode1 / Polarization: Horizontal

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		79.5070	46.65	-15.01	31.64	40.00	-8.36	QP
2		119.6246	48.17	-13.67	34.50	43.50	-9.00	QP
3		168.4432	49.86	-14.48	35.38	43.50	-8.12	QP
4		217.9259	48.58	-11.78	36.80	46.00	-9.20	QP
5	*	327.7148	48.34	-8.35	39.99	46.00	-6.01	QP
6		591.2844	39.20	-3.52	35.68	46.00	-10.32	QP

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Test Mode1 / Polarization: Vertical

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		39.2714	41.49	-11.29	30.20	40.00	-9.80	QP
2		50.9241	41.57	-9.77	31.80	40.00	-8.20	QP
3	*	84.1247	47.26	-14.34	32.92	40.00	-7.08	QP
4		168.4728	48.94	-14.47	34.47	43.50	-9.03	QP
5		226.8138	47.41	-11.63	35.78	46.00	-10.22	QP
6		494.9787	44.83	-6.34	38.49	46.00	-7.51	QP

Note:
1). Level (dBμV/m)= Reading (dBμV)+ Factor (dB/m)
2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)
3). Margin(dB) = Limit (dBμV/m) - Level (dBμV/m)

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5. EUT TEST PHOTOS

Conducted Emission at AC power line

Emissions in frequency bands (below 30MHz)

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Emissions in frequency bands (30MHz - 1GHz)


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6. PHOTOGRAPHS OF EUT CONSTRUCTIONAL

Refer to Appendix - EUT Photos for KS2505S2270E.

--THE END--

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