FCC CERTIFICATION TEST REPORT

Report No.: DDT-B21111105-1E03

Applicant	:	GREAT TALENT TECHNOLOGY LIMITED
Address	:	RM602,T3 Software Park,Hi-Tech Park South,Nanshan,Shenzhen,China
Equipment under Test	:	Smartphone
Model No.	:	L51
Trade Mark	:	ANS
FCC ID	:	2ALZM-L51
Manufacturer	:	GREAT TALENT TECHNOLOGY LIMITED
Address	:	RM602,T3 Software Park,Hi-Tech Park South,Nanshan,Shenzhen,China

Issued By: Tianjin Dongdian Testing Service Co., Ltd.

Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.

Tel: +86-22-58038033, E-mail: ddt_dgddt.com, http://www.ddttest.com

REPORT

TABLE OF CONTENTS

Test Report Declare

Applicant	:	GREAT TALENT TECHNOLOGY LIMITED
Address	:	RM602,T3 Software Park,Hi-Tech Park South,Nanshan,Shenzhen,China
Equipment under Test	:	Smartphone
Model No.	:	L51
Trade Mark	:	ANS
Manufacturer	:	GREAT TALENT TECHNOLOGY LIMITED
Address	:	RM602,T3 Software Park,Hi-Tech Park South,Nanshan,Shenzhen,China

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C.

Test Procedure Used:

ANSI C63.10:2013

We Declare:

The equipment described above is tested by Tianjin Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Tianjin Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No.:	DDT-B21111105-1E02		
Date of Receipt:	Nov. 11, 2021	**Date of Test:**	Nov. 18, 2021 ~ Nov. 25, 2021

Prepared By:

Sunny Zhang

Sunny Zhang/Engineer

Approved By:

Aaron Zhang

Aaron Zhang/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Tianjin Dongdian Testing Service Co., Ltd.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Nov. 25, 2021	

1. Summary of Test Results

Description of Test Item	Standard	Verdict
Radiated Emission	FCC Part 15: 15.205 FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.10:2013	Pass
Band Edge Compliance	FCC Part 15: 15.205 FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.10:2013	Pass

2. General Test Information

2.1. Description of EUT

EUT* Name	:	Smartphone
Model Number	:	L51
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	DC 3.8V Polymer Li-ion built-in battery DC 5V by AC/DC Adapter
Radio Specification	:	Bluetooth V4.0
Operation Frequency	:	2402 MHz - 2480 MHz
Modulation	:	GFSK
Data Rate	:	1 Mbps
Antenna Type	:	Integrated antenna, maximum PK gain: 2.35 dBi
Sample Type	:	N/A

Note: EUT is the ab. of equipment under test.

Channel information					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		

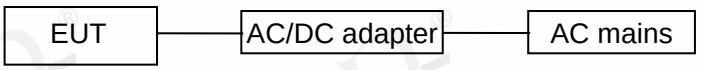
2.2. Accessories of EUT

Description of Accessories	Manufacturer	Model number	Description	SN
N/A	N/A	N/A	N/A	N/A

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
N/A	N/A	N/A	N/A	N/A

2.4. Block diagram of EUT configuration for test



Test software: QRCT.EXE
The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

Tested mode, channel, information			
Mode	Setting Tx Power	Channel	Frequency (MHz)
GFSK	Default	CH0	2402
	Default	CH19	2440
	Default	CH39	2480

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25 ℃
Humidity range:	40-75%
Pressure range:	86-106 kPa

2.7. Test laboratory

Tianjin Dongdian Testing Service Co., Ltd.
Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.
Tel: +86-22-58038033, http://www.ddttest.com, Email: ddt@dgddt.com
NVLAP (National Voluntary Laboratory Accreditation Program) CODE: 500036-0
CNAS (China National Accreditation Service for Conformity Assessment) CODE: L13402
FCC Designation Number: CN5004; FCC Test Firm Registration Number: 368676
ISED (Innovation, Science and Economic Development Canada) Company Number: 27768
Conformity Assessment Body Identifier: CN0125
VCCI Facility Registration Number: C-20089, T-20093, R-20125, G-20122

2.8. Measurement uncertainty

Test Item	Uncertainty
Bandwidth	0.14%
Peak Output Power (Conducted) (Spectrum Analyzer)	0.12 dB (10 MHz ≤ f < 3.6 GHz);
	0.32 dB (3.6 GHz ≤ f < 8 GHz)
Peak Output Power (Conducted) (Power Sensor)	0.51 dB
Power Spectral Density	0.12 dB (10 MHz ≤ f < 3.6 GHz);
	0.32 dB (3.6 GHz ≤ f < 8 GHz)
Frequencies Stability	6.7×10^{-8} (Antenna couple method)
	3.4×10^{-8} (Conducted method)
Conducted Spurious Emissions	0.12 dB (10 MHz ≤ f < 3.6 GHz);
	0.32 dB (3.6 GHz ≤ f < 8 GHz)
	0.52 dB (8 GHz ≤ f < 22 GHz)
Uncertainty for Radio Frequency (RBW < 20 kHz)	3×10^{-7}
Temperature	±2℃
Humidity	±1%
Uncertainty for Radiation Emission Test (30 MHz - 1 GHz)	2.72 dB (Antenna Polarize: V)
	2.72 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission Test (1 GHz - 40 GHz)	2.74 dB (1 - 6 GHz)
	2.72 dB (6 GHz - 18 GHz)
	3.54 dB (18 GHz - 26 GHz)
	4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power Line Conduction Emission Test	3.40 dB (150 kHz - 30 MHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

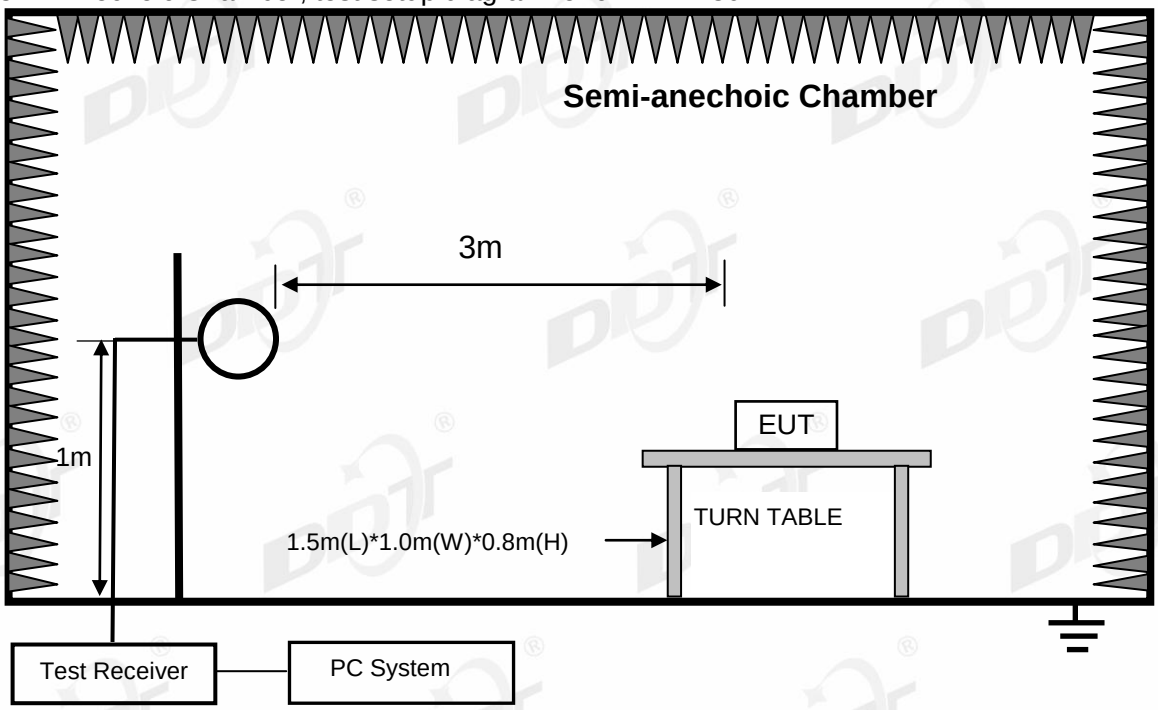
3. Equipment Used During Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
RF Connected Test (MWRFtest system)					
Microwave Signal Generator	R&S	SMF100A	101396	2021/06/08	1 Year
MXG Vector Signal Generator	Agilent	N5182A	MY50143288	2021/03/08	1 Year
EMI Test Receiver	R&S	ESU26	100243	2021/03/03	1 Year
Wideband Radio Communication Tester	R&S	CMW500	158800	2021/05/25	1 Year
Power Detector	MWRFtest	MW100-PSB	MW201203008	2021/03/31	1 Year
DC Power Supply	inSTEK	PSP-2010	EH131319	2021/02/27	1 Year
MULTIMETER	FLUKE	15B+	44752963WS	2021/11/17	1 Year
High and low temperature damp heat test chamber	Tinghua	RCR1000-060SE	THS20202015	2021/07/07	1 Year
Test Software	MWRFtest	MTS8310	V03	N/A	N/A
Radiated Emission -10m EMI Chamber					
EXA Signal Analyzer	Keysight	N9010A	MY53281492	2021/03/31	1 Year
Active Loop Antenna	R&S	HFH2-Z2	100269	2021/05/08	1 Year
Double-Ridged Guide Horn Antenna	ETS-LINDGREN	3115	00102808	2021/03/16	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	2021/04/21	1 Year
Broadband Horn Antenna	TESEQ	BHA 9118	31754	2021/10/12	1 Year
Low noise amplifier	MITEQ	TPA0118-36	0914	2021/02/03	1 Year
EMI Test Receiver	R&S	ESCI	101024	2021/03/03	1 Year
EMI Test Receiver	R&S	ESCI	101030	2021/05/15	1 Year
Bilog Antenna	TESEQ	CBL6112D	29068	2020/10/12	2 Year
Bilog Antenna	TESEQ	CBL6112D	29069	2020/10/12	2 Year
Amplifier	Sonoma	310N	300913	2021/03/03	1 Year
Amplifier	Sonoma	310N	300914	2021/03/03	1 Year
Ant Mast	Innco	MA4000	N/A	N/A	N/A
Ant Mast	Innco	MA4000	N/A	N/A	N/A
Mast Controller	Innco	CO2000	N/A	N/A	N/A
Mast Controller	Innco	CO2000	N/A	N/A	N/A
RF Selector 4CH	TOYO	NS4904N	Selector1	N/A	N/A
RF Selector 4CH	TOYO	NS4904N	Selector2	N/A	N/A
Test software	TOYO	EP5/RSE	Ver 1.9.1	N/A	N/A
Test software	Audix	E3	V 6.11111b	N/A	N/A
Power Line Conducted Emissions Test					
Test Receiver	R&S	ESCI	101397	2021/03/03	1 Year
LISN	R&S	ENV216	101122	2021/03/31	1 Year
Test software	TOYO	EP5/CE	V 5.4.40	N/A	N/A

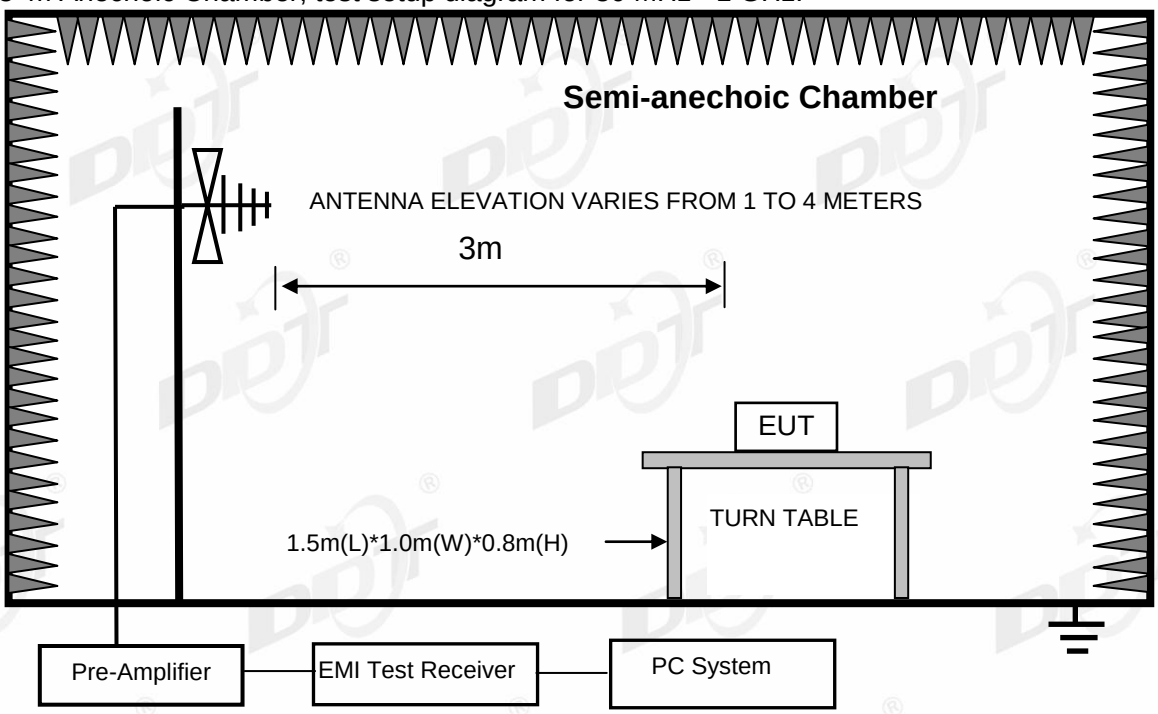
4. Radiated Emission

4.1. Block diagram of test setup

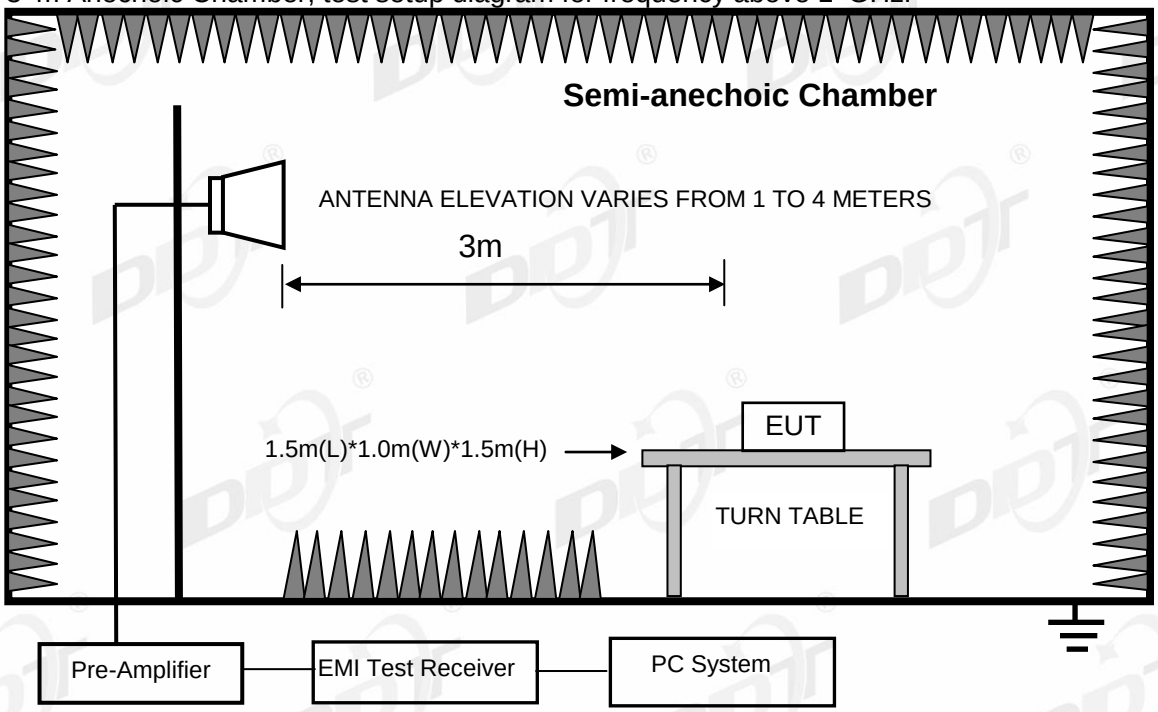
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

4.2. Limit

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2]Above 38.6

(2) FCC 15.209 Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$Limit_{3m}(dBuV/m) = Limit_{30m}(dBuV/m) + 40Log(30m/3m)$$

(3) Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits.

4.3. Test Procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

(2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna (1 GHz - 18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna (18 GHz - 40 GHz)	3 m

According ANSI C63.10:2013 clause 6.4.4.2 and 6,5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also

is positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. For measurement above 30 MHz, the trilog Broadband Antenna or Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz,110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

(8) X axis, Y axis, Z axis are tested, and worse setup X axis is reported.

4.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits.

Note1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

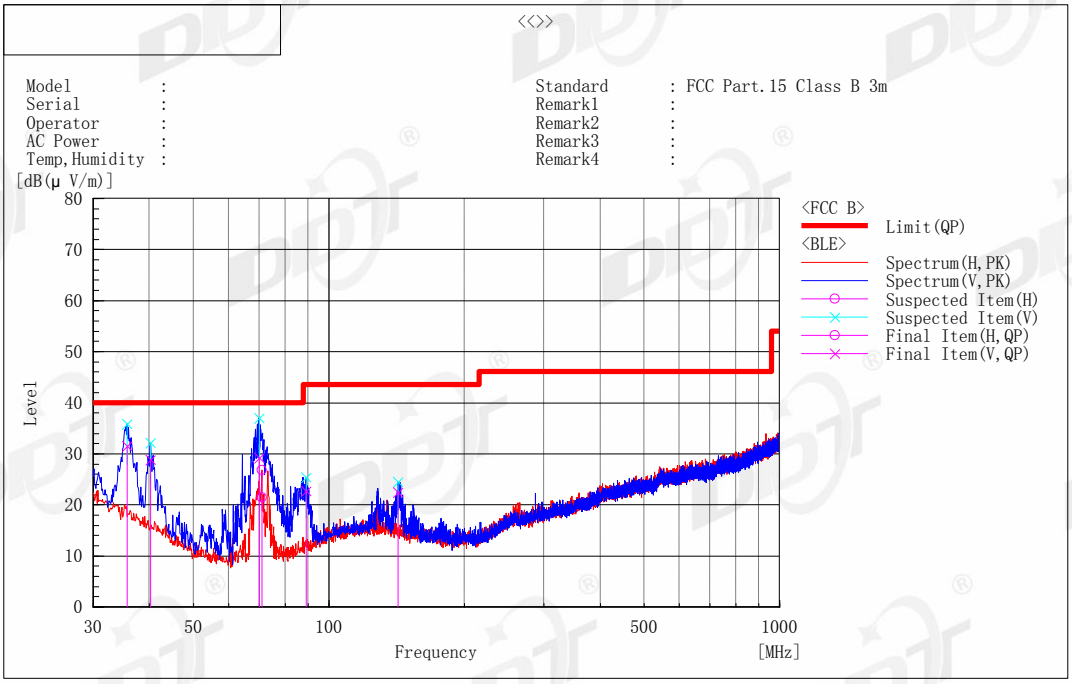
Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in BLE transmitting and charging mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

Radiated Emission test (below 1 GHz)

Radiated Emission Test Result

Test Site	: DDT 10m Chamber		
Test Date	: 2021-11-24	**Tested By**	: Sunny
EUT	: Smartphone	**Model Number**	: L51
Power Supply	: AC 120V/60Hz	**Test Mode**	: BLE mode
Condition	: Temp:24.5°,Humi:55%,Press:100.1kPa		
Memo	:		



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [°]	System	Remark
1	35.699	V	39.5	-8.0	31.5	40.0	8.5	106.0	353.5	2	
2	40.185	V	39.1	-10.3	28.8	40.0	11.2	110.0	103.2	2	
3	70.133	V	45.9	-16.7	29.2	40.0	10.8	145.0	250.1	2	
4	142.520	V	33.2	-10.7	22.5	43.5	21.0	138.0	247.7	2	
5	88.928	V	36.7	-14.0	22.7	43.5	20.8	107.0	353.5	2	
6	70.983	H	38.1	-16.7	21.4	40.0	18.6	298.0	150.3	1	

Note) Receiving antenna polarization : Horizontal and/or Vertical
Test Distance : 3 m, Antenna Height : 1 m to 4 m
Level QP (Quasi-Peak) = Reading QP + Factor (Antenna Factor + Cable Loss - Amp. Gain)
Margin QP (Quasi-Peak) = Limit – Level QP

Radiated Emission test (above 1 GHz)

Freq. (MHz)	Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector type	Polarization
Tx mode BLE 2402 MHz								
4804	0.25	39.96	74	-34.04	154	320	Peak	HORIZONTAL
7206	4.94	43.88	74	-30.12	182	130	Peak	HORIZONTAL
9585	7.13	47.23	74	-26.77	167	280	Peak	HORIZONTAL
12305	8.40	47.52	74	-26.48	195	116	Peak	HORIZONTAL
14056	12.11	52.38	74	-21.62	182	42	Peak	HORIZONTAL
16810	13.63	51.80	74	-22.20	175	7	Peak	HORIZONTAL
4804	0.25	40.70	74	-33.30	177	216	Peak	VERTICAL
7206	4.94	43.93	74	-30.07	184	66	Peak	VERTICAL
9568	7.06	47.31	74	-26.69	152	88	Peak	VERTICAL
12118	8.85	48.10	74	-25.9	189	314	Peak	VERTICAL
13937	11.92	51.12	74	-22.88	184	145	Peak	VERTICAL
17048	14.43	51.84	74	-22.16	158	137	Peak	VERTICAL
Tx mode BLE 2440 MHz								
4880	0.18	46.9	74	-27.10	193	272	Peak	HORIZONTAL
7320	5.44	45.32	74	-28.68	162	101	Peak	HORIZONTAL
10690	8.35	48.24	74	-25.76	199	16	Peak	HORIZONTAL
13376	10.08	51.59	74	-22.41	197	40	Peak	HORIZONTAL
16215	10.43	48.83	74	-25.17	173	315	Peak	HORIZONTAL
17252	14.46	53.2	74	-20.80	162	233	Peak	HORIZONTAL
4880	0.18	48.68	74	-25.32	176	70	Peak	VERTICAL
7320	5.44	46.7	74	-27.30	172	255	Peak	VERTICAL
10605	8.15	46.79	74	-27.21	186	147	Peak	VERTICAL
12407	8.34	47.99	74	-26.01	171	0	Peak	VERTICAL
14243	12.15	51.44	74	-22.56	168	174	Peak	VERTICAL
17456	14.39	52.8	74	-21.20	180	210	Peak	VERTICAL
Tx mode BLE 2480 MHz								
4960	0.64	45.06	74	-28.94	169	357	Peak	HORIZONTAL
7440	5.51	45.65	74	-28.35	163	97	Peak	HORIZONTAL
9925	7.27	47.53	74	-26.47	193	206	Peak	HORIZONTAL
12832	8.56	48.45	74	-25.55	171	68	Peak	HORIZONTAL
14005	12.16	51.79	74	-22.21	196	156	Peak	HORIZONTAL
17422	14.32	53.14	74	-20.86	185	43	Peak	HORIZONTAL
4960	0.64	49.7	74	-24.30	178	180	Peak	VERTICAL
7440	5.51	46.1	74	-27.90	172	46	Peak	VERTICAL
9721	7.31	47.56	74	-26.44	195	21	Peak	VERTICAL
11217	9.24	48.3	74	-25.7	153	51	Peak	VERTICAL
13869	11.65	52.73	74	-21.27	179	287	Peak	VERTICAL
16929	14.14	53.35	74	-20.65	198	219	Peak	VERTICAL
Verdict: Pass								

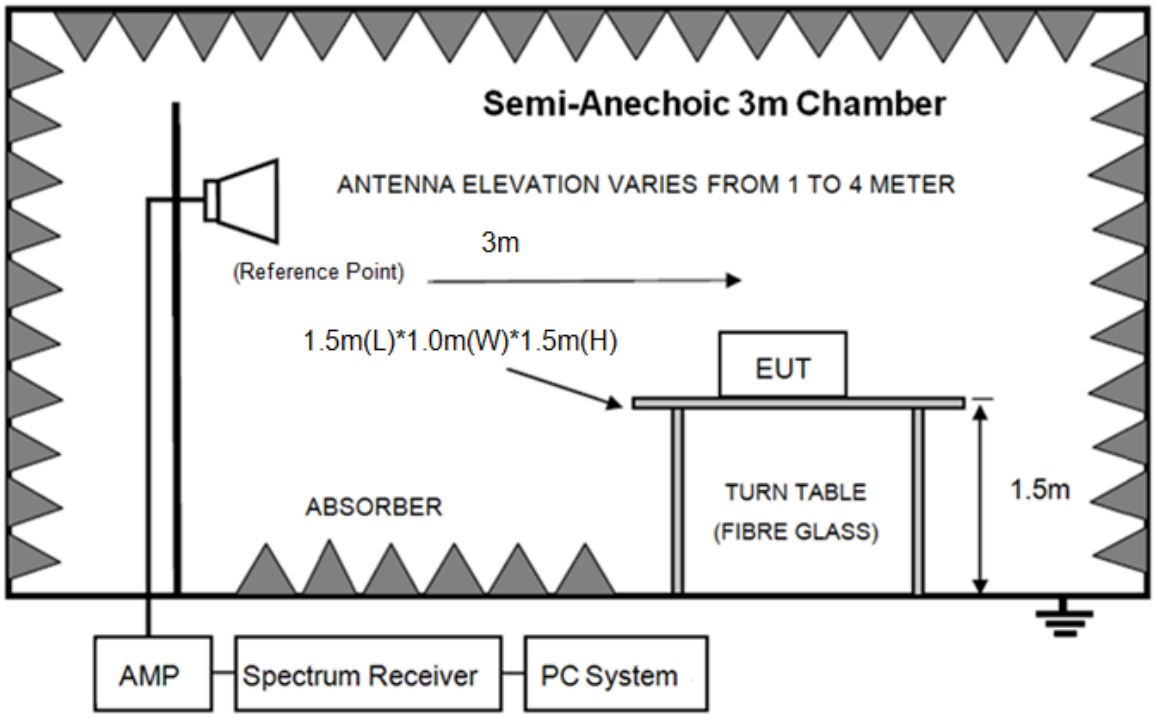
Note: 1. Scan with all modes, the worst case was recorded in this report.

2. Result Level = Read Level + Antenna Factor + Cable loss.

3. For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

5. Band Edge Compliance (Radiated Method)

5.1. Block diagram of test setup



5.2. Limit

All restriction band should comply with 15.209, other emission should be at least 20 dB below the fundamental.

5.3. Test Procedure

Same with clause 10.3 except change investigated frequency range from 2310 MHz to 2410 MHz and 2475 MHz to 2550 MHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

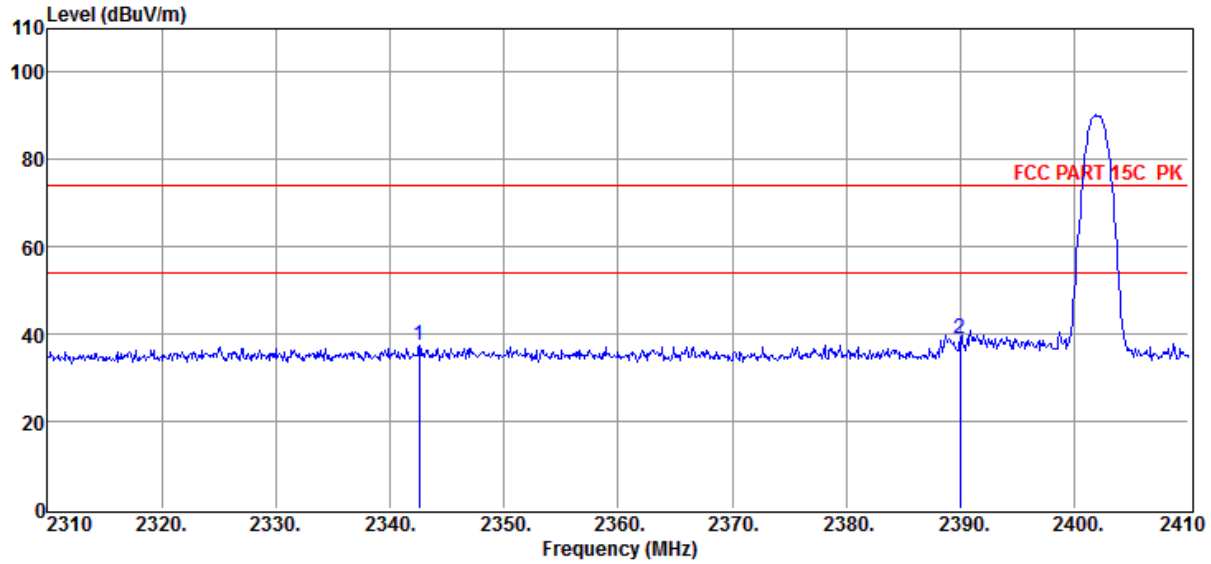
5.4. Test result

Pass. (See below detailed test result)

Radiated Emission Test Result

Test Site	:	10m Chamber	E:\E3_ReportTestData\H21111105-1E L51\RF.EM6		
Test Date	:	2021/11/24	**Tested By**	:	Sunny
EUT	:	Smartphone	**Model Number**	:	L51
Power Supply	:	AC 120V/60Hz	**Test Mode**	:	Tx mode
Condition	:	Temp:21.8±2°C,Humi:23±1%,Press:101.7±0.2kPa	**Distance**	:	3m/HORIZONTAL
Memo	:	BLE 2402MHz			

Data: 37



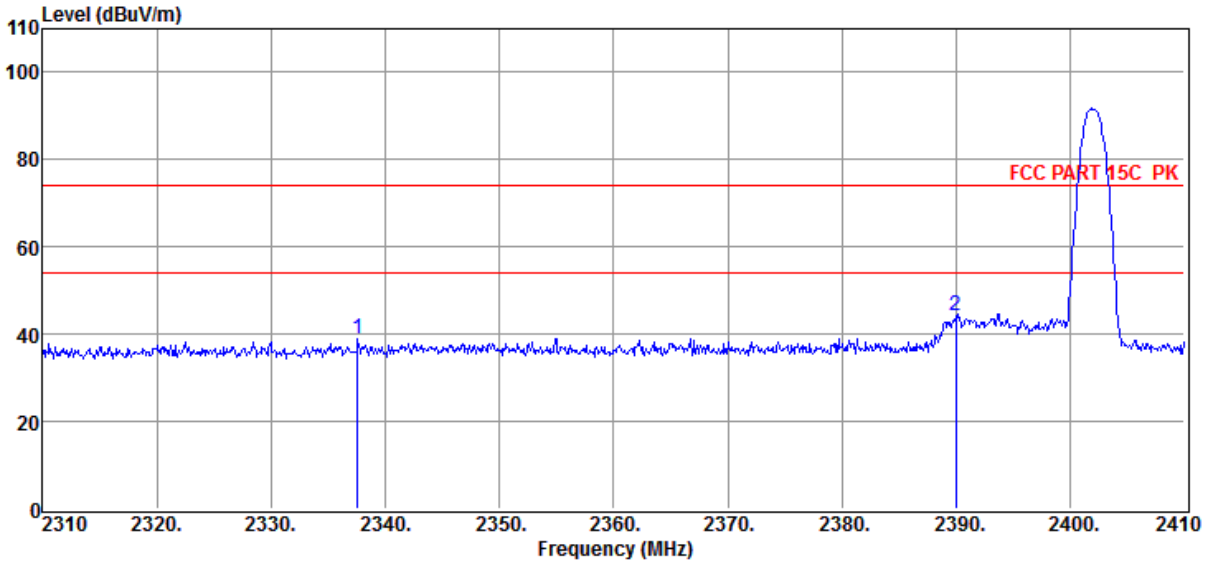
Item	Freq.	Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector type	Polarization
1	2342.6	-5.83	37.34	74	-36.66	156	311	Peak	HORIZONTAL
2	2390	-5.97	38.98	74	-35.02	183	164	Peak	HORIZONTAL

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Emission Test Result

Test Site	:	10m Chamber	E:\E3_ReportTestData\H21111105-1E L51\RF.EM6		
Test Date	:	2021/11/24	**Tested By**	:	Sunny
EUT	:	Smartphone	**Model Number**	:	L51
Power Supply	:	AC 120V/60Hz	**Test Mode**	:	Tx mode
Condition	:	Temp:21.8±2°C,Humi:23±1%,Press:101.7±0.2kPa	**Distance**	:	3m/VERTICAL
Memo	:	BLE 2402MHz			

Data: 38



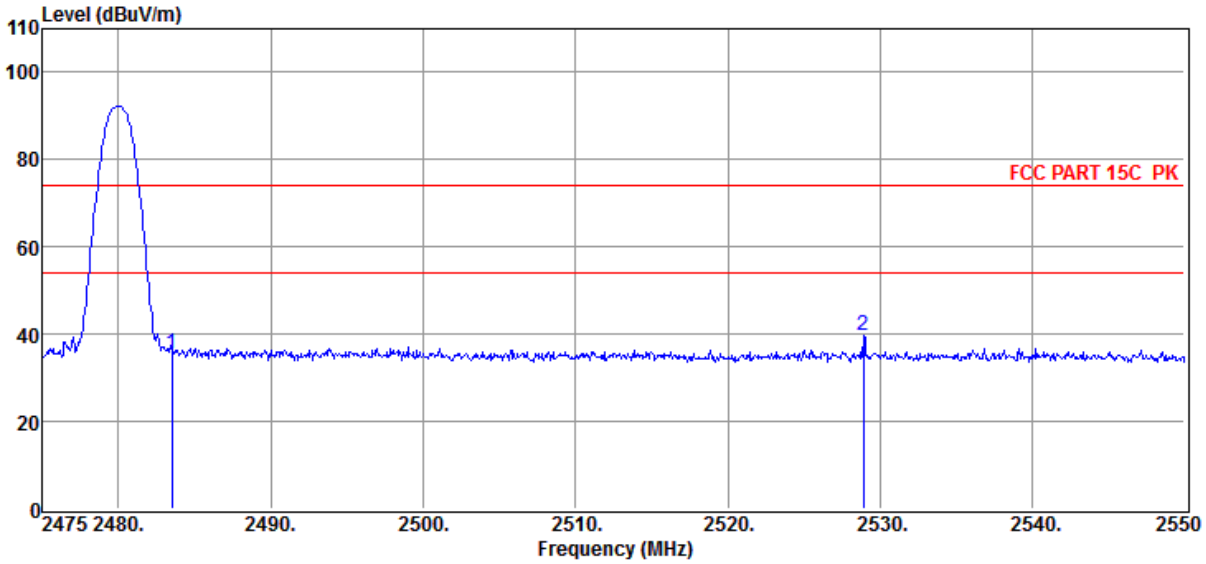
Item	Freq.	Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector type	Polarization
1	2337.6	-5.83	39.12	74	-34.88	178	216	Peak	VERTICAL
2	2390	-5.97	44.15	74	-29.85	158	157	Peak	VERTICAL

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Emission Test Result

Test Site	:	10m Chamber	E:\E3_ReportTestData\H21111105-1E L51\RF.EM6		
Test Date	:	2021/11/24	**Tested By**	:	Sunny
EUT	:	Smartphone	**Model Number**	:	L51
Power Supply	:	AC 120V/60Hz	**Test Mode**	:	Tx mode
Condition	:	Temp:21.8±2°C,Humi:23±1%,Press:101.7±0.2kPa	**Distance**	:	3m/VERTICAL
Memo	:	BLE 2480MHz			

Data: 39



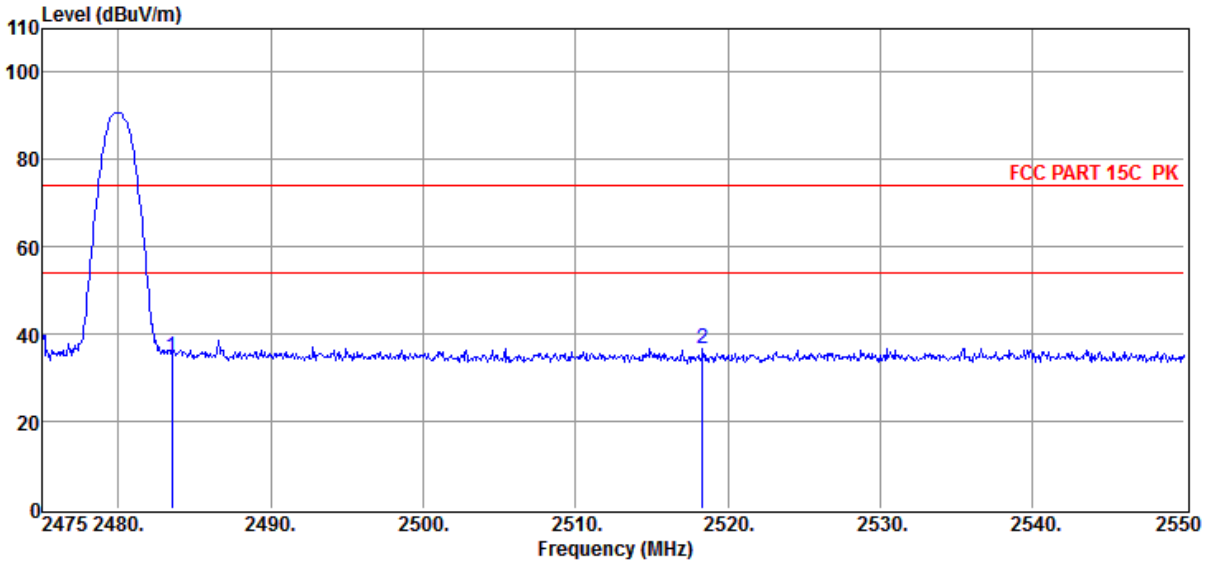
Item	Freq.	Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector type	Polarization
1	2483.5	-5.87	35.66	74	-38.34	153	178	Peak	VERTICAL
2	2528.93	-5.56	39.54	74	-34.46	198	15	Peak	VERTICAL

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Radiated Emission Test Result

Test Site	:	10m Chamber	E:\E3_ReportTestData\H21111105-1E L51\RF.EM6		
Test Date	:	2021/11/24	**Tested By**	:	Sunny
EUT	:	Smartphone	**Model Number**	:	L51
Power Supply	:	AC 120V/60Hz	**Test Mode**	:	Tx mode
Condition	:	Temp:21.8±2°C,Humi:23±1%,Press:101.7±0.2kPa	**Distance**	:	3m/HORIZONTAL
Memo	:	BLE 2480MHz			

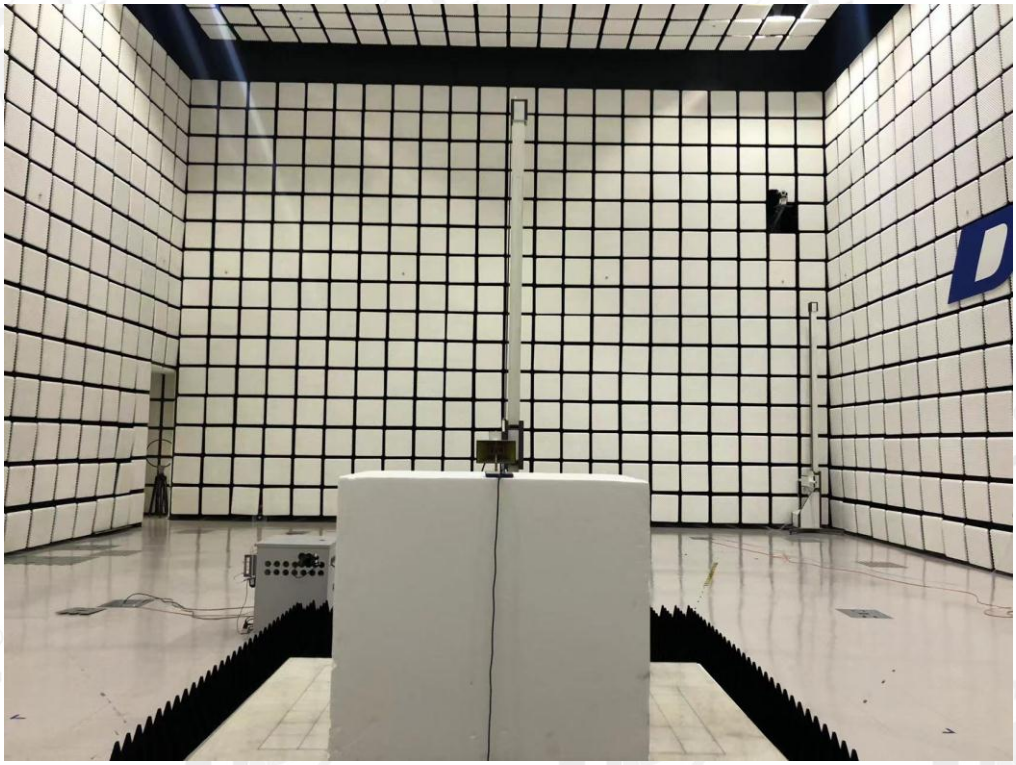
Data: 40

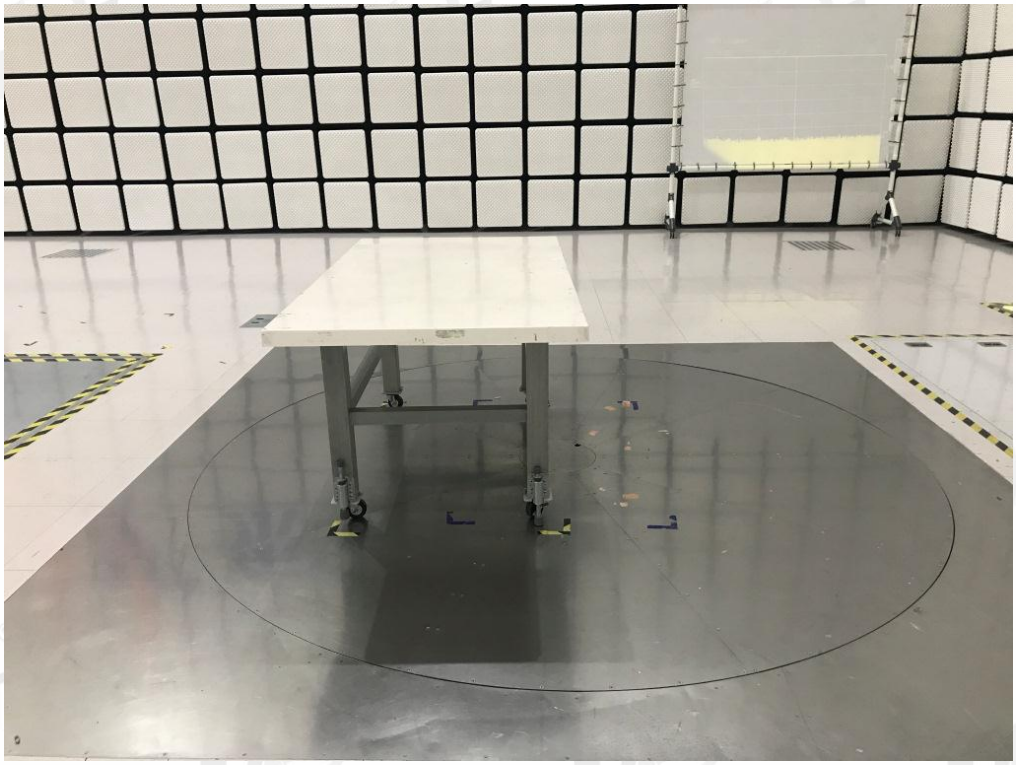


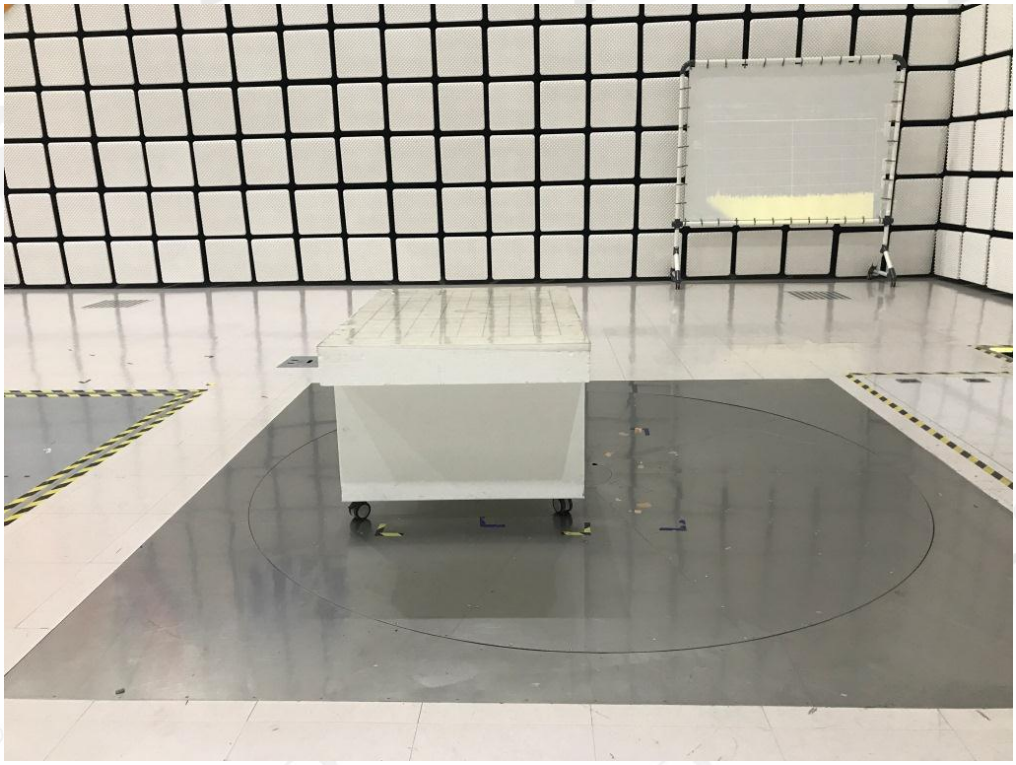
Item	Freq.	Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Angle (°)	Detector type	Polarization
1	2483.5	-5.87	34.77	74	-39.23	191	240	Peak	HORIZONTAL
2	2518.35	-5.58	36.59	74	-37.41	157	268	Peak	HORIZONTAL

Note: 1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

6. Test Setup Photograph







END OF REPORT