Test Report

Verified code: 560864

Report No.: E202307262325-13

Customer:	BYD Auto Industry Company Limited
Address:	No.3001,3007,HengPing Road, Pingshan, Shenzhen,P.R.China
Sample Name:	DiLink, BYD Di3.0F
Sample Model:	DiLink 3.0F, MTCF03
Receive Sample Date:	Jul.28,2023
Test Date:	Oct.25,2023 ~ Oct.26,2023
Reference Document:	CFR 47, FCC Part 15 Subpart C RADIO FREQUENCY DEVICES:Subpart C—Intentional Radiators
Test Result:	Pass

Prepared by: Huang Lifang

Reviewed by: Peng Huarui

Approved by: Zhao Zetian

GRG METROLOGY & TEST GROUP CO., LTD.

Issued Date: 2023-11-08

GRG METROLOGY & TEST GROUP CO., LTD.
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Statement

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3. When there are reports in both Chinese and English, the Chinese version will prevail when the language problems are inconsistent.

4. If there is any objection concerning the report, please inform us within 15 days from the date of receiving the report.

5. Without the agreement of the laboratory, the client is not authorized to use the test results for unapproved propaganda.

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REPORT ISSUED HISTORY

Report Version	Report No.	Description	Compile Date
1.0	E202307262325-13	Original Issue	2023-10-27

Note:

1. Based on the report number E20211217696105-3, E20211217696105-3& E202307262325-13 are the following changes:

Report No.	Product Name:	Adding Product Name:	Model No.:	Adding Model:	Note:
E20211217696105-3	DiLink	/	DiLink 3.0F	/	/
E202307262325-13	DiLink	BYD Di3.0F	DiLink 3.0F	MTCF03	Adding the product name BYD Di3.0F and the model MTCF03

1) Both models DiLink 3.0F and MTCF03 are identical except model number.The difference between the two versions of DiLink 3.0F is the broadcasting(AM/FM/DAB) chip only. in this report adding the product name BYD Di3.0F and the model MTCF03.
2) Except for the above changes, there are no other differences.

2. After evaluation, this report does not need to be retested, in this report we only updates the section 2.2, adding the product name BYD Di3.0F and the model MTCF03, except for Radiated Spurious Emission below 1GHz, all test datas come from E20211217696105-3(FCC ID: SD4-DILINK6125F, Issued Date: 2022-06-07).

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1. TEST RESULT SUMMARY

Technical Requirements		
FCC 47 CFR Part 15 Subpart C 15.247 ANSI C63.10-2013 KDB 558074 D01 15.247 measurement guidance v05r02		
Limit / Severity	**Item**	**Result**
§15.203	Antenna Requirement	PASS
§15.207(a)	Conducted Emission	Not Applicable
§15.247(d) & 15.205 & 15.209	Radiated Spurious Emission	PASS
§15.247(b)(3)	Maximum Peak Output Power	PASS
§15.247(e)	Power Spectral Density	PASS
§15.247(a)(2)	6dB bandwidth	PASS
§15.247(d)	Conducted band edges and Spurious Emission	PASS
§15.247(d) & 15.205 & 15.209	Restricted bands of operation	PASS

Note:1) Not Applicable, the EUT is powered by DC 12V.

2)The antenna is External antenna. The max gain of antenna is -1.77dBi.which accordance 15.203.is considered sufficient to comply with the provisions of this section.

3) Except for Radiated Spurious Emission below 1GHz, the test results of others please refer to the E20211217696105-3 report.

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2. GENERAL DESCRIPTION OF EUT

2.1 APPLICANT

Name:	BYD Auto Industry Company Limited
Address:	No. 3001, 3007, Hengping Road, Pingshan, Shenzhen, P. R. China

2.2 MANUFACTURER

Name:	BYD Auto Industry Company Limited
Address:	No. 3001, 3007, Hengping Road, Pingshan, Shenzhen, P. R. China

2.3 FACTORY

Name:	Huizhou BYD Electronics Co., Ltd.
Address:	Xiangshui River, Economic Development Zone, Daya Bay, Huizhou, Guangdong, P. R. China

2.4 BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

Equipment:	DiLink
Adding Equipment Name:	BYD Di3.0F
Model No.:	DiLink 3.0F
Adding Model:	MTCF03
Models discrepancy:	Both models DiLink 3.0F and MTCF03 are identical except model number. The difference between the two versions of DiLink 3.0F is the broadcasting (AM/FM/DAB) chip only.
Trade Name:	BYD
FCC ID:	SD4-DILINK6125F
Power supply:	DC 12V
Frequency Band:	2402-2480MHz
Transmit Power:	BLE_1M:4.79dBm BLE_2M:5.08dBm
Modulation type:	GFSK
Channel space:	2MHz
Antenna Specification:	External antenna -1.77dBi gain (Max.)
Temperature Range:	-30℃~70℃
Hardware Version:	DiLink HW 6125F
Software Version:	DiLink SW 4.0F
Sample No:	E202307262325-0001
Note:	The EUT antenna gain is provided by the applicant. This report is made solely on the basis of such data and/or information. We accept no responsibility for the authenticity and completeness of the above data and information and the validity of the results and/or conclusions.

2.5 CHANNELLIST

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	10	2422	20	2442	30	2462
01	2404	11	2424	21	2444	31	2464
02	2406	12	2426	22	2446	32	2466
03	2408	13	2428	23	2448	33	2468
04	2410	14	2430	24	2450	34	2470
05	2412	15	2432	25	2452	35	2472
06	2414	16	2434	26	2454	36	2474
07	2416	17	2436	27	2456	37	2476
08	2418	18	2438	28	2458	38	2478
09	2420	19	2440	29	2460	39	2480

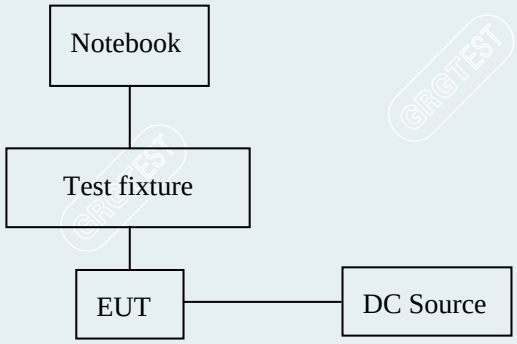
2.6 TEST OPERATION MODE

Mode No.	Description of the modes
1	Bluetooth BLE fixed frequency transmitting

2.7 LOCAL SUPPORTIVE

Name of equipment	Manufacturer	Model	Serial number	Note
Notebook	LENOVO	TianYi 310-14ISK	MP18DLC6	/
Adapter(Notebook)	LENOVO	ADLX65NVV3A	SA10M42747	Unshielded, 1m (AC Cable) Shielded, 1.8m (DC Cable)
DC Source	LW	PS-305DM	/	/
Test fixture	/	/	/	/
Cable				
Test fixture cable	/	/	/	Unshielded 0.15m
USB cable	/	/	/	Unshielded 1.0m
DC cable	/	/	/	Unshielded 0.8m

2.8 CONFIGURATION OF SYSTEM UNDER TEST



Test software:

Software version	Test level
QRCT	/

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3. LABORATORY AND ACCREDITATIONS AND MEASUREMENT UNCERTAINTY

3.1 LABORATORY

The tests & measurements refer to this report were performed by Shenzhen EMC Laboratory of GRG METROLOGY & TEST GROUP CO., LTD.

Add.:	No.1301 Guanguang Road Xinlan Community, Guanlan Street, Longhua District Shenzhen, 518110, People's Republic of China
P.C.:	518110
Tel :	0755-61180008
Fax:	0755-61180008

3.2 ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to GB/T 27025(ISO/IEC 17025:2017).

USA	A2LA(Certificate #2861.01)

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada	ISED (Company Number: 24897, CAB identifier:CN0069)
USA	FCC (Registration Number: 759402, Designation Number:CN1198)

Copies of granted accreditation certificates are available for downloading from our web site, http://www.grgtest.com

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3.3 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement		Frequency	Uncertainty
Radiated Emission	Coplanar	9kHz～30MHz	4.40dB[1)]
	Coaxial	9kHz～30MHz	4.40dB[1)]
	Horizontal	30MHz～200MHz	4.60dB[1)]
		200MHz～1000MHz	4.80dB[1)]
		1GHz～18GHz	5.00dB[1)]
		18GHz～26.5GHz	5.20dB[1)]
	Vertical	30MHz～200MHz	4.70dB[1)]
		200MHz～1000MHz	4.70dB[1)]
		1GHz～18GHz	5.10dB[1)]
		18GHz～26.5GHz	5.40dB[1)]

Note:

[1)] This uncertainty represents an expanded uncertainty expressed at approximately the 95%. This uncertainty represents an expanded uncertainty factor of *k*=2.

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4. LIST OF USED TEST EQUIPMENT AT GRGT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Radiated Spurious Emission (Below 1GHz)				
Test software	Tonscend	JS32-RE		
Bi-log Antenna	Schwarzbeck	VULB 9160	VULB9160-3402	2024-09-24
Test Receiver	R&S	ESR26	101758	2024-09-22
Preamplifier	SHIRONG ELECTRONIC	DLNA-30M1G-G41	20200928003	2023-12-19

Note: The calibration interval of the above test instruments is 12 months.

5. RADIATED SPURIOUS EMISSIONS

5.1 LIMITS

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30dB instead of 20dB. Attenuation below the general limits specified in §15.209(a) is not required.

Frequency (MHz)	Quasi-peak(μV/m)	Measurement distance(m)	Quasi-peak(dBμV/m)@distance 3m
0.009-0.490	2400/F(kHz)	300	128.5~93.8
0.490-1.705	24000/F(kHz)	30	73.8~63
1.705-30.0	30	30	69.5
30 ~ 88	100	3	40
88~216	150	3	43.5
216 ~ 960	200	3	46
Above 960	500	3	54

NOTE:

(1) The emission limits for the ranges 9-90kHz and 110-490kHz are based on measurements employing a linear average detector.

(2) The lower limit shall apply at the transition frequencies.

(3) Above 18GHz test distance is 1m, so the Peak Limit=74+20*log(3/1)=83.54 (dBμV/m). The Avg Limit=54+20*log(3/1)=63.54 (dBμV/m).

5.2 TEST PROCEDURES

1) Sequence of testing 9kHz to 30MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3meter.

--- The EUT was set into operation.

Pre measurement:

--- The turntable rotates from 0 °to 360 °.

--- The antenna height is 1.0 meter.

--- The antenna is polarized X,Y and Z.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the pre measurement the software maximizes by rotating the turntable

position (0 °to 360 °) and by rotating the elevation axes (0 °to 360 °).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QP detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement and the limit will be stored.

2) Sequence of testing 30MHz to 1GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Pre measurement:

--- The turntable rotates from 0 °to 360 °.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 4 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of pre measurement the software maximize the peaks by changing turntable rotates from 0 °to 360 °and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1GHz to 18GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Pre measurement:

--- The turntable rotates from 0 °to 360 °.

--- The antenna is polarized vertical and horizontal.

--- The antenna height scan range is 1 meter to 4 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of pre measurement the software maximize the peaks by changing turntable rotates from 0 °to 360 °and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.
--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18GHz
Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 1 meter.

--- The EUT was set into operation.

Pre measurement:

--- The antenna is moved spherical over the EUT in different polarisations of the antenna.

Final measurement:

--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the pre measurements with Peak and Average detector.
--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement and the limit will be stored.

NOTE:
(a).The frequency from 9kHz to 150kHz, Set RBW=300Hz(for Peak & AVG), VBW=300Hz(for Peak & AVG). The frequency from 150kHz to 30MHz, Set RBW=9kHz, VBW=9kHz, (for QP Detector).
(b).The frequency from 30MHz to 1GHz, Set RBW=120kHz, VBW=300kHz, (for QP Detector).
(c).The frequency above 1GHz, for Peak detector: Set RBW=1MHz,VBW=3MHz.
(d). The frequency above 1GHz, for Avg detector: Set RBW=1MHz,if the EUT is configured to transmit with duty cycle ≥98%， set VBW≤RBW/100 (i.e.,10kHz) but not less than 10 Hz. If the EUT duty cycle is ＜98%，set VBW≥1/T, Where T is defined in section 2.9.

5.3 TEST SETUP

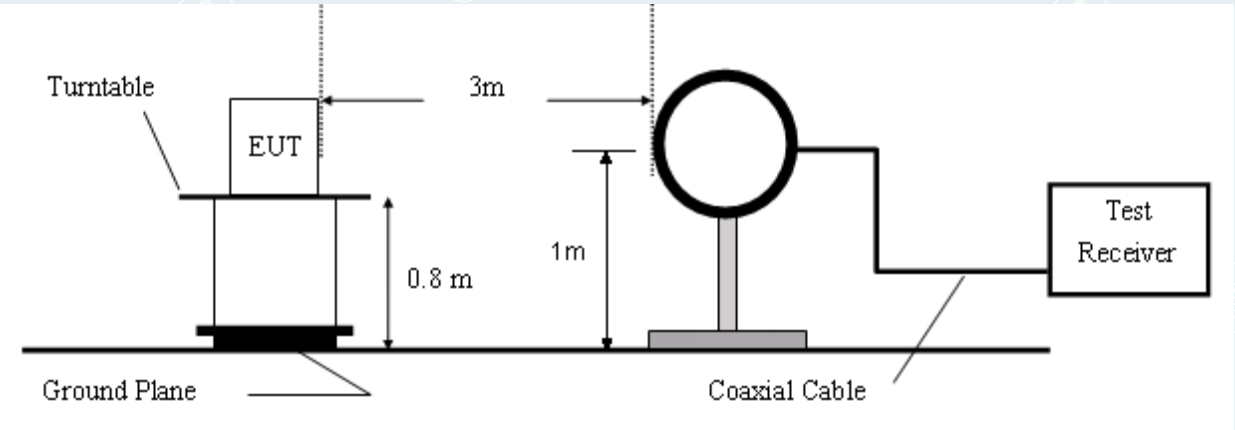


Figure 1. 9kHz to 30MHz radiated emissions test configuration

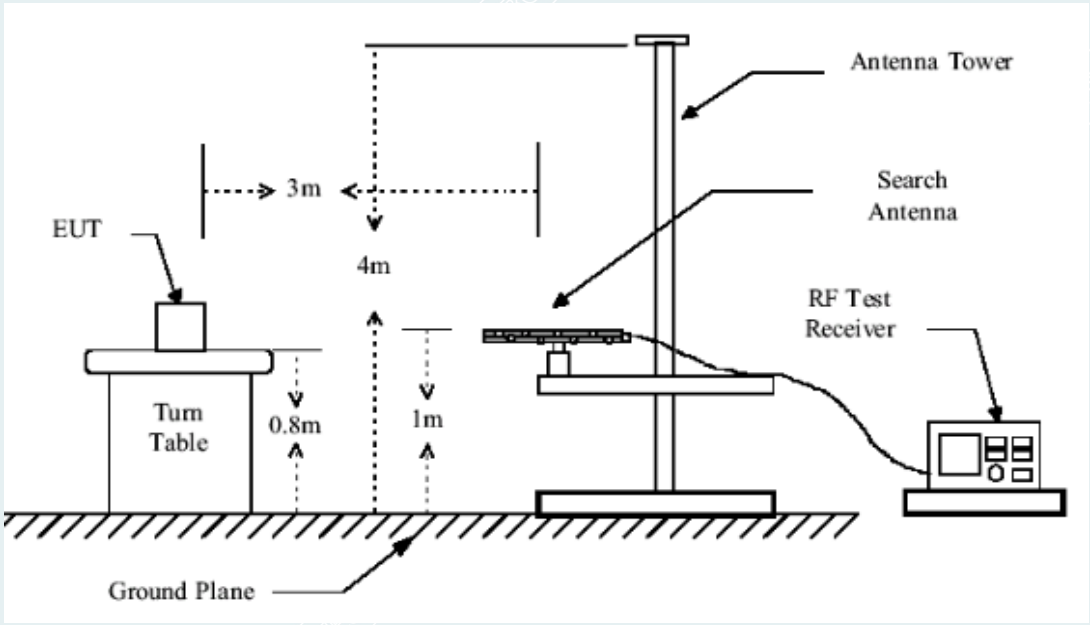


Figure 2. 30MHz to 1GHz radiated emissions test configuration

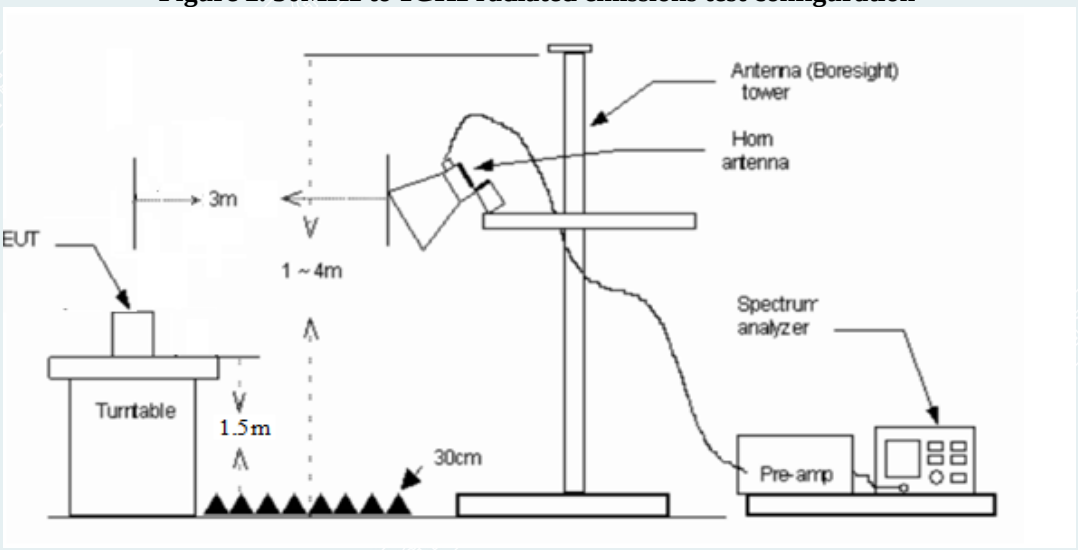


Figure 3. 1GHz to 18GHz radiated emissions test configuration

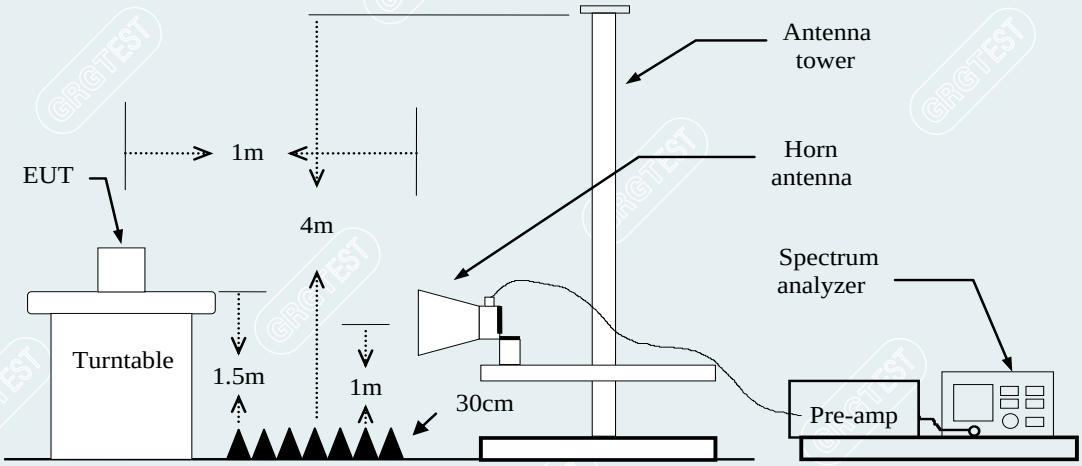


Figure 4. 18GHz to 26.5GHz radiated emissions test configuration

5.4 DATA SAMPLE

30MHz to 1GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	37.06	-15.48	21.58	40.00	-18.42	PK	Vertical

1GHz to 18GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	65.45	-11.12	54.33	74.00	-19.67	Peak	Vertical
xxx	xxx	63.00	-11.12	51.88	54.00	-2.12	AVG	Vertical

Above 18GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	68.86	57.66	-11.20	83.54	25.88	peak	Vertical
xxx	xxx	68.89	-11.20	57.69	63.54	5.85	AVG	Vertical

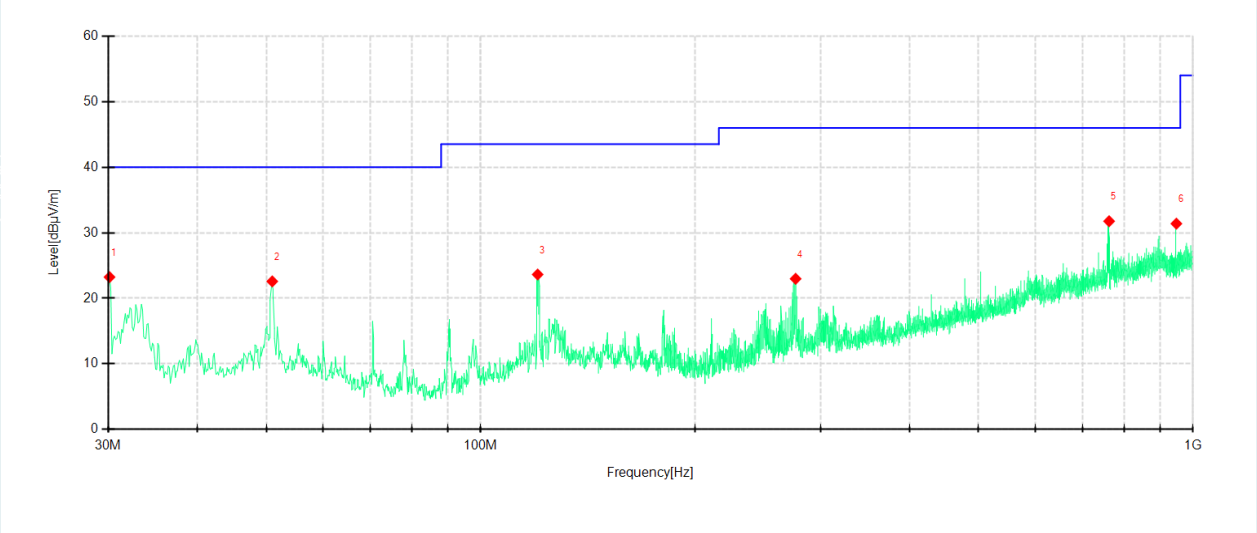
Frequency (MHz)	= Emission frequency in MHz
Ant.Pol. (H/V)	= Antenna polarization
Reading (dBuV)	= Uncorrected Analyzer / Receiver reading
Correction Factor (dB/m)	= Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m)	= Reading (dBuV) + Correction Factor (dB/m)
Limit (dBuV/m)	= Limit stated in standard
Margin (dB)	= Remark Result (dBuV/m) – Limit (dBuV/m)
PK & Peak	= Peak Reading
QP	= Quasi-peak Reading
AVG	= Average Reading

5.5 TEST RESULTS

Below 1GHz

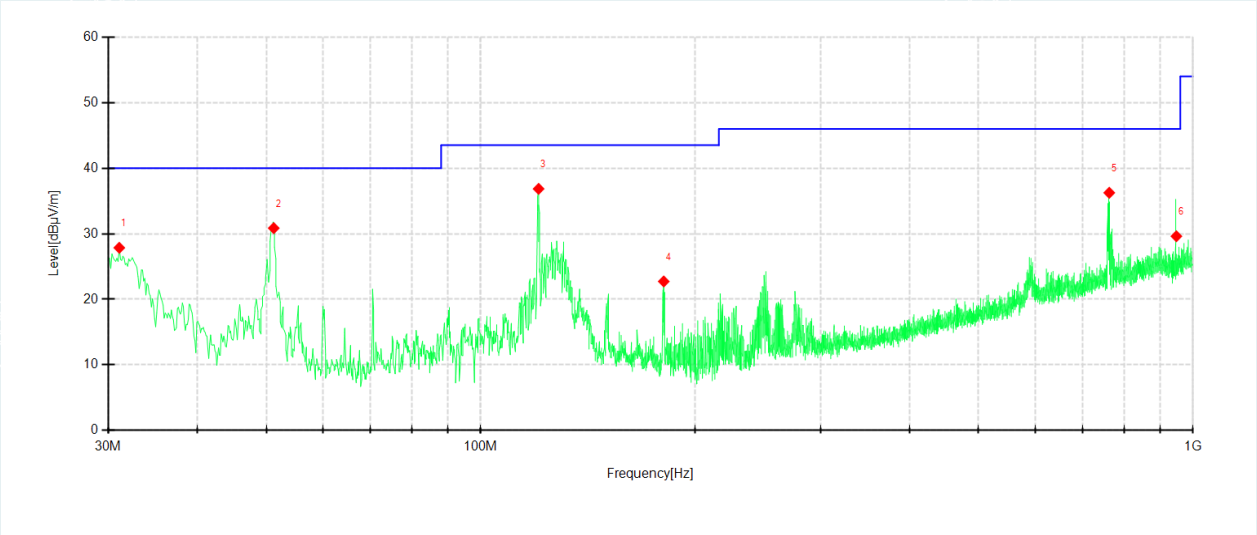
All models were pretested and only the worst modes and channels were recorded in this report. (BLE_2M)

EUT Name	BYD Di3.0F	**Model**	MTCF03
Environmental Conditions	25.0℃/54%RH/101.0kPa	**Test Voltage**	DC 12V
Test Mode	Mode 1/ BLE_2M (2402MHz)	**Polarity**	Horizontal
Tested By	Zhang Zishan	**Tested Date**	2023-10-26



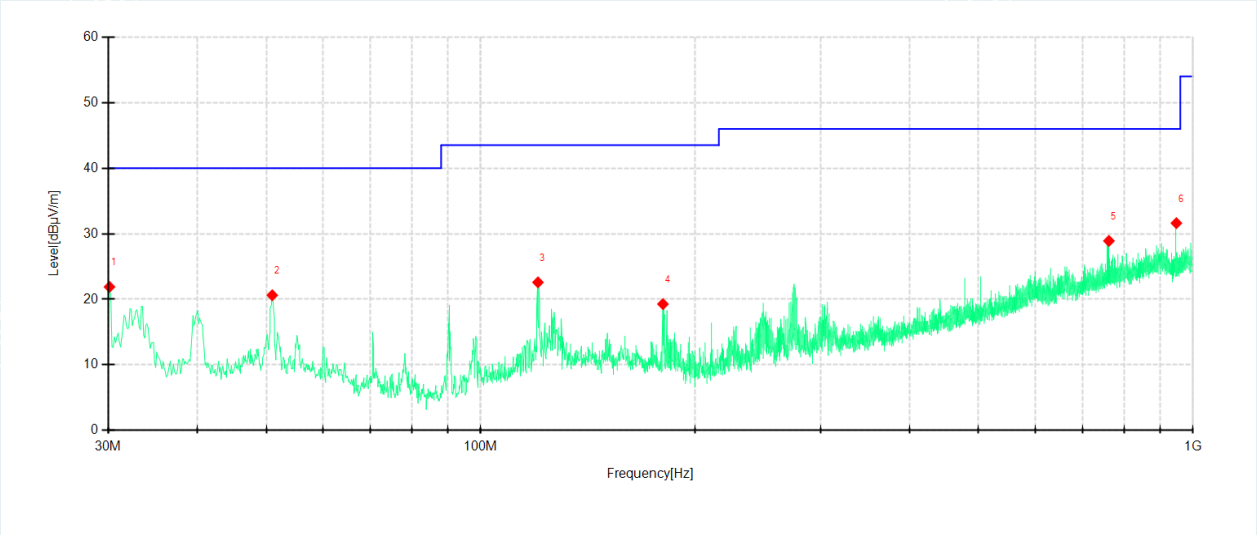
Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity	Verdict
1	30.1213	52.47	23.24	-29.23	40.00	16.76	PK	100	234	Horizontal	PASS
2	50.9789	51.15	22.58	-28.57	40.00	17.42	PK	200	189	Horizontal	PASS
3	120.2213	53.63	23.64	-29.99	43.50	19.86	PK	100	115	Horizontal	PASS
4	276.7746	51.33	22.98	-28.35	46.00	23.02	PK	100	195	Horizontal	PASS
5	762.5628	48.46	31.76	-16.70	46.00	14.24	PK	200	112	Horizontal	PASS
6	947.7347	46.80	31.39	-15.41	46.00	14.61	PK	200	281	Horizontal	PASS

EUT Name	BYD Di3.0F	**Model**	MTCF03
Environmental Conditions	25.0℃/54%RH/101.0kPa	**Test Voltage**	DC 12V
Test Mode	Mode 1/BLE_2M (2402MHz)	**Polarity**	Vertical
Tested By	Zhang Zishan	**Tested Date**	2023-10-26



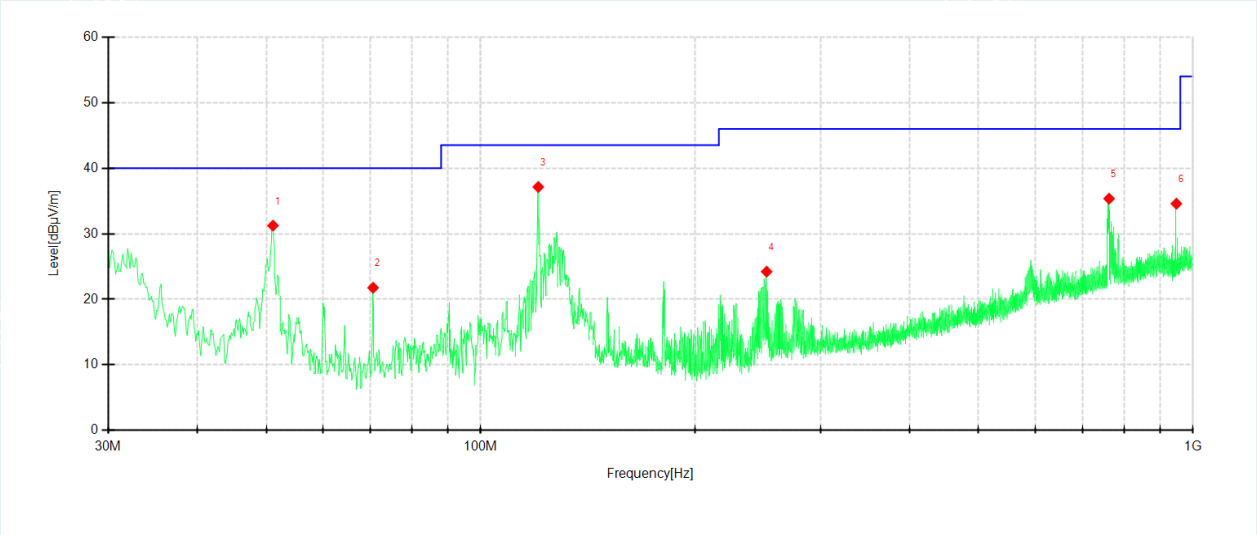
Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity	Verdict
1	31.0914	57.04	27.86	-29.18	40.00	12.14	PK	100	267	Vertical	PASS
2	51.2214	59.44	30.86	-28.58	40.00	8.21	PK	100	319	Vertical	PASS
3	120.5851	66.80	36.85	-29.95	43.50	6.65	PK	100	47	Vertical	PASS
4	180.7326	52.35	22.73	-29.62	43.50	20.77	PK	100	150	Vertical	PASS
5	762.8054	52.95	36.25	-16.70	46.00	9.75	PK	100	253	Vertical	PASS
6	947.7347	45.03	29.62	-15.41	46.00	10.73	PK	200	328	Vertical	PASS

EUT Name	BYD Di3.0F	**Model**	MTCF03
Environmental Conditions	25.0℃/54%RH/101.0kPa	**Test Voltage**	DC 12V
Test Mode	Mode 1/BLE_2M (2440MHz)	**Polarity**	Horizontal
Tested By	Zhang Zishan	**Tested Date**	2023-10-26



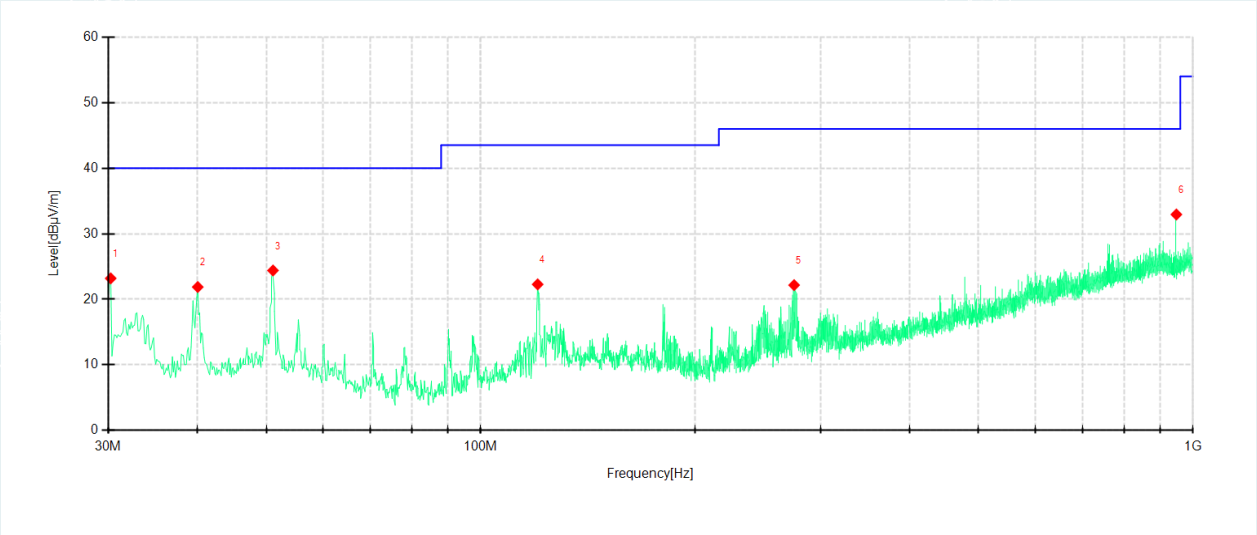
Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity	Verdict
1	30.1213	51.13	21.90	-29.23	40.00	18.10	PK	200	294	Horizontal	PASS
2	50.9789	49.20	20.63	-28.57	40.00	19.37	PK	100	341	Horizontal	PASS
3	120.3425	52.56	22.59	-29.97	43.50	20.91	PK	200	85	Horizontal	PASS
4	180.2475	48.85	19.28	-29.57	43.50	24.22	PK	200	294	Horizontal	PASS
5	762.0778	45.62	28.91	-16.71	46.00	17.09	PK	100	145	Horizontal	PASS
6	947.7347	47.03	31.62	-15.41	46.00	14.38	PK	200	254	Horizontal	PASS

EUT Name	BYD Di3.0F	**Model**	MTCF03
Environmental Conditions	25.0℃/54%RH/101.0kPa	**Test Voltage**	DC 12V
Test Mode	Mode 1/ BLE_2M (2440MHz)	**Polarity**	Vertical
Tested By	Zhang Zishan	**Tested Date**	2023-10-26



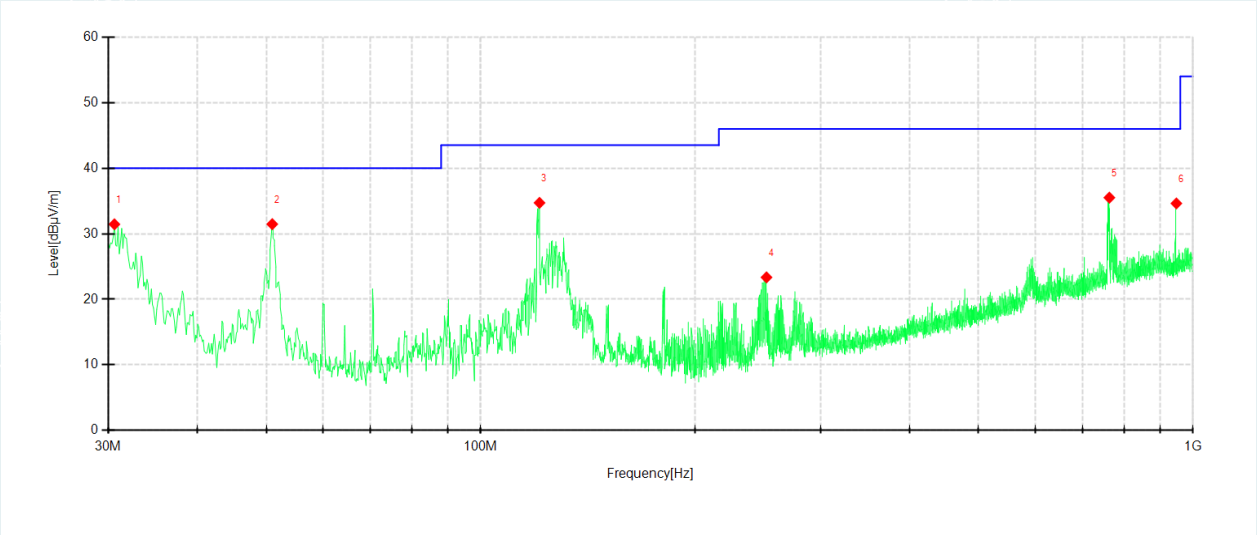
Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity	Verdict
1	51.1001	59.82	31.24	-28.58	40.00	8.76	PK	100	280	Vertical	PASS
2	70.6238	52.83	21.77	-31.06	40.00	18.23	PK	200	66	Vertical	PASS
3	120.4638	67.10	37.14	-29.96	43.50	6.36	PK	100	58	Vertical	PASS
4	252.0365	53.48	24.22	-29.26	46.00	21.78	PK	100	357	Vertical	PASS
5	762.4416	52.06	35.35	-16.71	46.00	10.65	PK	100	266	Vertical	PASS
6	947.7347	50.00	34.59	-15.41	46.00	11.41	PK	200	287	Vertical	PASS

EUT Name	BYD Di3.0F	**Model**	MTCF03
Environmental Conditions	25.0℃/54%RH/101.0kPa	**Test Voltage**	DC 12V
Test Mode	Mode 1/BLE_2M (2480MHz)	**Polarity**	Horizontal
Tested By	Zhang Zishan	**Tested Date**	2023-10-26



Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity	Verdict
1	30.2425	52.43	23.20	-29.23	40.00	16.80	PK	100	251	Horizontal	PASS
2	40.0650	50.54	21.88	-28.66	40.00	18.12	PK	100	93	Horizontal	PASS
3	51.1001	52.98	24.40	-28.58	40.00	15.60	PK	200	175	Horizontal	PASS
4	120.2213	52.27	22.28	-29.99	43.50	21.22	PK	200	124	Horizontal	PASS
5	275.4407	50.59	22.17	-28.42	46.00	23.83	PK	100	209	Horizontal	PASS
6	947.7347	48.35	32.94	-15.41	46.00	13.06	PK	200	32	Horizontal	PASS

EUT Name	BYD Di3.0F	Model	MTCF03
Environmental Conditions	25.0℃/54%RH/101.0kPa	Test Voltage	DC 12V
Test Mode	Mode 1/ BLE_2M (2480MHz)	Polarity	Vertical
Tested By	Zhang Zishan	Tested Date	2023-10-26



Suspected Data List											
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity	Verdict
1	30.6063	60.66	31.45	-29.21	40.00	8.55	PK	100	46	Vertical	PASS
2	50.9789	60.04	31.47	-28.57	40.00	8.53	PK	100	279	Vertical	PASS
3	120.9489	64.63	34.72	-29.91	43.50	8.78	PK	100	59	Vertical	PASS
4	251.9152	52.62	23.35	-29.27	46.00	22.65	PK	100	331	Vertical	PASS
5	763.1691	52.21	35.51	-16.70	46.00	10.49	PK	100	356	Vertical	PASS
6	947.7347	50.04	34.63	-15.41	46.00	11.37	PK	200	145	Vertical	PASS

Remark:

1 No emission found between lowest internal used/generated frequency to 30MHz.

2 Radiated emissions measured in frequency range from 9 kHz to 1GHz were made with an instrument using Quasi-peak detector mode.

3 The IF bandwidth of Receiver between 30MHz to 1GHz was 120kHz.

APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM

Please refer to the attached document E202307262325-20 Test Photo.

APPENDIX B. PHOTOGRAPH OF THE EUT

Please refer to the attached document E202307262325-21 EUT Photo.

---------- End of Report ----------