



TEST REPORT

For

BYD Auto Industry Company Limited

In-vehicle Multimedia Host

Model Number: MTED03

FCC ID: SD4-MTED03

Applicant:	BYD Auto Industry Company Limited
Address:	No.3001, 3007, Hengping Road, Pingshan,
	Shenzhen, P.R. China
Prepared By:	EST Technology Co., Ltd.
	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China
Tel: 86-769-83081888-808	

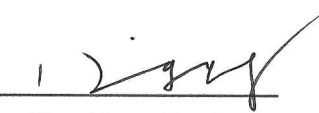
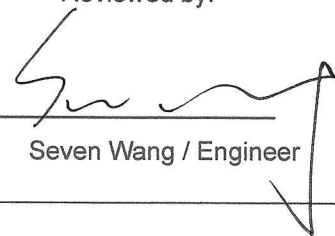
Report Number:	ESTE-R2603269
Date of Test:	Jan. 20, 2026 to Mar. 17, 2026
Date of Report:	Mar. 27, 2026

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Applicant: Address:	BYD Auto Industry Company Limited No.3001, 3007, Hengping Road, Pingshan, Shenzhen, P.R. China		
Manufacturer: Address:	BYD Auto Industry Company Limited No.3001, 3007, Hengping Road, Pingshan, Shenzhen, P.R. China		
E.U.T:	In-vehicle Multimedia Host		
Model Number:	MTED03		
Power Supply:	DC 12V From Battery		
Trade Name:	BYD	Serial No.:	EST-260119019-001
Date of Receipt:	Jan. 20, 2026	Date of Test:	Jan. 20, 2026 to Mar. 17, 2026
Test Specification:	FCC Parts 22/24/27		
Test Result:	The device described above is tested by EST Technology Co., Ltd.. The measurement results were contained in this test report and EST Technology Co.,Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Parts 22/24/27 requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.		
Prepared by:		Reviewed by:	
 Ring Yang / Assistant		 Seven Wang / Engineer	
		Date: Mar 28, 2026 Approved by:  Iceman Hu / Manager	
Other Aspects: N/A			
Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested			
This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd. The statement of compliance in this report is based on the limit in the test standard, the measurement uncertainty is not considered.			

1.GENERAL INFORMATION

1.1.Description of Device (EUT)

Frequency Range	:	TX: WCDMA B2: 1850-1910 MHz WCDMA B4: 1710-1755 MHz WCDMA B5: 824-849 MHz RX: WCDMA B2: 1930-1990 MHz WCDMA B4: 2110-2155 MHz WCDMA B5: 869-894 MHz
Modulation Type	:	WCDMA: QPSK HSDPA: QPSK/16QAM HSUPA: BPSK
Antenna Type	:	External
Number of Antenna	:	1*Main
Antenna Gain	:	WCDMA B2: 1.34 dBi WCDMA B4: 1.45 dBi WCDMA B5: 0.72 dBi
Max RF Output Power	:	WCDMA B2: 23.72 dBm WCDMA B4: 23.20 dBm WCDMA B5: 24.78 dBm
Remark	:	The information above declared by the manufacturer.
Note: The product information is provided by the manufacturer. The laboratory is not responsible for this data.		

1.2.Information of RF Cable

Cable Loss(dB)	Provided by
1.0	BYD Auto Industry Company Limited
1.The customer declared the loss value of the RF Cable. and the test results of this report only apply to the sample as received.	
2.The laboratory is not responsible for the accuracy of the cable loss.	

2.SUMMARY OF MEASUREMENTS AND RESULTS

No.	Test Item	Test Result
1	Effective (Isotropic) Radiated Power Output	PASS
2	Peak-to-Average Ratio	PASS
3	26dB Bandwidth and Occupied Bandwidth	PASS
4	Band Edge	PASS
5	Conducted Spurious Emission	PASS
6	Frequency Stability	PASS
7	Field Strength of Spurious Radiation Measurement	PASS
Note: 1. All test conditions are considered and tested. 2. the Applidex for WCDMA Bands for details.		

2.1. Test Facilities

EMC Lab : Accredited by CNAS, CHINA
Registration No.: L5288
This Accreditation is valid until: November 12, 2029

Recognized by FCC, USA
Designation Number: CN1215
This Recognition is valid until: January 31, 2028

Accredited by A2LA, USA
Registration No.: 4366.01
This Accreditation is valid until: January 31, 2028

Recognized by Industry Canada
CAB identifier No.: CN0035
This Recognition is valid until: January 31, 2028

Recognized by VCCI, Japan
Registration No.: C-14103; T-20073; R-13663;
R-20103; G-20097
Date of registration: Apr. 20, 2020
This Recognition is valid until: Apr. 19, 2026

Recognized by TUV Rheinland, Germany
Registration No.: UA 50413872 0001
Date of registration: July 31, 2018

Recognized by Intertek
Registration No.: 2011-RTL-L2-64
Date of registration: November 08, 2018

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan,
Guangdong, China

2.2.Measurement Uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	$\pm 3.48\text{dB}$
Uncertainty for spurious emissions test (30MHz-1GHz)	$\pm 4.60\text{ dB(Polarize: H)}$
	$\pm 4.68\text{ dB(Polarize: V)}$
Uncertainty for spurious emissions test (1GHz to 25GHz)	$\pm 4.96\text{dB}$
Uncertainty for radio frequency	7×10^{-8}
Uncertainty for conducted RF Power	1.08dB
Uncertainty for Power density test	0.26dB

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

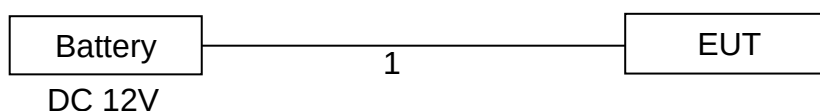
2.3.Assistant Equipment Used For Test

Item	Equipment	Brand	Model Name/Type No.	FCC ID	Series No.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	2.0m	DC Cable

2.4.Block Diagram of Test Setup

For radiated emissions test: EUT was placed on a turntable, which is 0.8 (or 1.5) meters high above ground. The EUT was set into test mode by software prior to testing.



(EUT: In-vehicle Multimedia Host)

2.5. Test Mode

The test mode was selected for the final test as listed below.

Band	Channel		Frequency (MHz)
B2	Low	9262	1852.4
	Mid	9400	1880.0
	High	9538	1907.6
B4	Low	1312	1712.4
	Mid	1413	1732.6
	High	1513	1752.6
B5	Low	4132	826.4
	Mid	4182	836.4
	High	4233	846.6

Note: In radiated measurement, the EUT had been pre-scan on the positioned of each 3 axis(X,Y,Z), the worst case was found when positioned on **X-plane**.

2.6. Test Equipment List

For Radiated Emissions Test (30MHz-1000MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E047	LISAI	June 11,25	June 10,26
Bilog Antenna	Teseq	CBL 6111D	EST-E034	LISAI	June 11,25	June 10,26
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
30-1000MHz Cable	N/A	EST-002	N/A	N/A	N/A	N/A

For Radiated Emission Test(Above 1000MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
Horn Antenna	SCHWARZBECK	BBHA9120D	EST-E144	LISAI	June 11,25	June 10,26
Horn Antenna	Com-Power	AHA-840	EST-E133	LISAI	June 11,25	June 10,26
Low Noise Amplifier	RF	TRLA-010180 G45N	EST-E142	LISAI	June 11,25	June 10,26
Spectrum Analyzer	Rohde &Schwarz	FSV40	EST-E069	LISAI	June 11,25	June 10,26
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
Above 1GHz Cable	N/A	EST-003	N/A	N/A	N/A	N/A

For connect EUT antenna terminal test						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
TS 1120	Tonscend	/	/	/	/	/
Test Software	Tonscend	JS1120	3.1.46	/	/	/
RF Control Unit	Tonscend	JS0806-1	EST-E161	LISAI	June 11,25	June 10,26
Radio Frequency Switch	Tonscend	JS0806s	EST-E162	LISAI	June 11,25	June 10,26
Band Reject Filter Grop	Tonscend	JS0806-F	EST-E163	LISAI	June 11,25	June 10,26
Signal and Spectrum Analyzer	Keysight	N9010B	EST-E141	LISAI	June 11,25	June 10,26
Wireless Connectivity Tester	Rohde &Schwarz	CMW 500	EST-E137	LISAI	June 11,25	June 10,26
MXG Vector Signal Generator	Keysight	N5182B	EST-E138	LISAI	June 11,25	June 10,26
Signal Generator	Rohde &Schwarz	SMR20	EST-E139	LISAI	June 11,25	June 10,26

3.EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA

3.1.Limit

Rules	Items	Limits
§2.1046	Conducted Output Power	N/A
§22.913 (a) (5)	ERP	< 7 W
§27.50 (b) (10) §27.50 (c) (10)	ERP	< 3 W
§24.232 (c) §27.50 (h) (2)	EIRP	< 2 W
§27.50 (d) (4)	EIRP	< 1 W

3.2.Test Setup



3.3.Test Procedure

- Connected antenna port of the EUT to TS 1120 system
- Please refer to KDB412172 for conducted measurement method.
- The measurements shall be performed at both normal and extreme environmental conditions.
- Record the results in the test report.

3.4.Test Conditions

Temperature	25°C	Relative Humidity	55%	Test Voltage	DC 12V
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3.5.Test Result

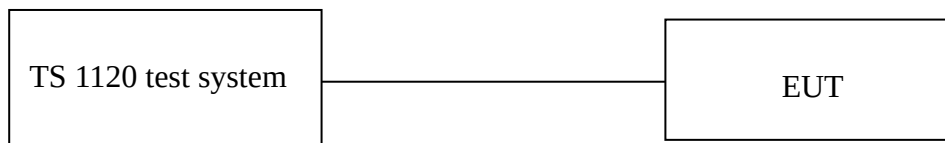
Refer to Appendix A of Appendix FCC ID WCDMA-HSDPA-HSUPA-B2/B4/B5 (the test data).

4. PEAK-TO-AVERAGE RATIO (CCDF)

4.1. Limit

Limits
<13 dB

4.2. Test Setup



4.3. Test Procedure

- Connected antenna port of the EUT to TS 1120 system.
- Please refer to ANSI C63.26 Section 5.2.3.4. for conducted measurement method.
- The measurements shall be performed at both normal and extreme environmental conditions.
- Record the results in the test report.

4.4. Test Conditions

Temperature	25°C	Relative Humidity	55%	Test Voltage	DC 12V
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4.5. Test Result

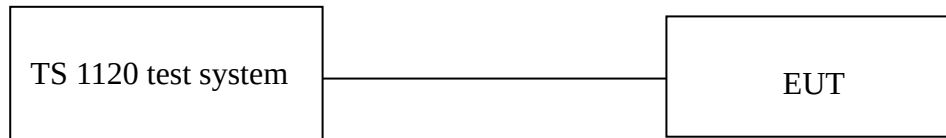
Refer to Appendix B of Appendix FCC ID WCDMA-HSDPA-HSUPA-B2/B4/B5 (the test data).

5.26dB BANDWIDTH AND OCCUPIED BANDWIDTH

5.1.Limit

According to the requirements, there are no limits specified.

5.2.Test Setup



5.3.Test Procedure

- Connect the EUT to spectrum analyzer and base station via a power splitter.
- Set the center frequency of the spectrum analyzer to the nominal EUT channel center frequency. The span range of the spectrum analyzer was set to between two and five times the anticipated OBW.
- Set the RBW of the spectrum analyzer to 1-5% of the anticipated OBW, and set the VBW at least 3 times the RBW.
- Set the detector of the spectrum analyzer to peak, and the trace mode to max hold,
- Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
- Determine the "-26 dB down amplitude" as equal to (Reference Value - X).
- Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the "-X dB down amplitude" determined in step e. If a marker is below this "-X dB down amplitude" value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
- Use the 99 % power bandwidth function of the spectrum analyzer to measure the 99 % power bandwidth.
- Record the measured 99 % and - 26 dB bandwidth.

5.4.Test Conditions

Temperature	25°C	Relative Humidity	55%	Test Voltage	DC 12V
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5.5.Test Result

Refer to Appendix C of Appendix FCC ID WCDMA-HSDPA-HSUPA-B2/B4/B5 (the test data).

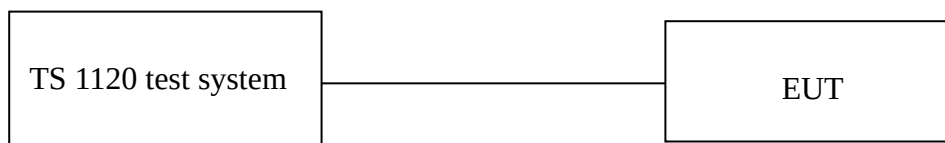
6.BAND EDGE

6.1.Limits

According to the requirements of §22.917 (a), §24.238 (a), §27.53 (c) (2) (4) and §27.53 (g) the power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

According to the requirements of §27.53 (m) (4), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

6.1.Test Setup



6.2.Test Procedure

- Connected antenna port of the EUT to TS 1120 system.
- Please refer to ANSI C63.26 section 5.7 for conducted measurement method.
- The measurements shall be performed at both normal and extreme environmental conditions.
- Record the results in the test report.

6.3.Test Conditions

Temperature	25°C	Relative Humidity	55%	Test Voltage	DC 12V
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6.4.Test Result

Refer to Appendix D of Appendix FCC ID WCDMA-HSDPA-HSUPA-B2/B4/B5 (the test data).

7.CONDUCTED SPURIOUS EMISSION

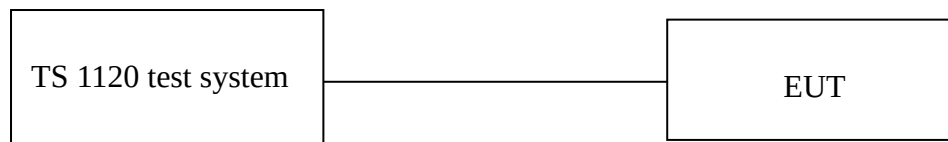
7.1.Limit

According to the requirements of §22.917 (a), §24.238 (a), §27.53 (c) (2) and §27.53 (g), the power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

According to the requirements of §27.53 (m) (4), the power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

7.2.Test Setup



7.3.Test Procedure

- Connected antenna port of the EUT to TS 1120 system.
- Please refer to ANSI C63.26 section 5.7. for conducted measurement method.
- The measurements shall be performed at normal environmental conditions.
- Record the results in the test report.

7.4.Test Conditions

Temperature	25°C	Relative Humidity	55%	Test Voltage	DC 12V
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7.5.Test Result

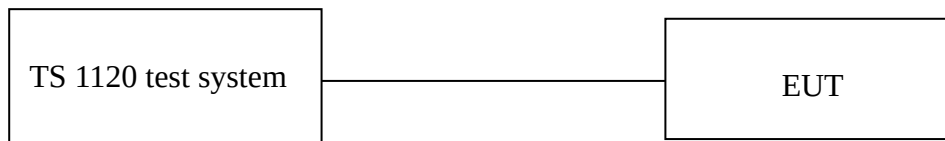
Refer to Appendix E of Appendix FCC ID WCDMA-HSDPA-HSUPA-B2/B4/B5 (the test data).

8. FREQUENCY STABILITY

8.1.Limits

According to the requirements of §22.355 and §24.235, the frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

8.2.Test Setup



8.3.Test Procedure

- Place the EUT in the temperature chamber and connect it to spectrum analyzer and base station via a power splitter.
- Temperature variation:
- With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
- With Power OFF, the temperature was raised in 10°C step up to 50°C .
- The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.
- Voltage variation:
- With temperature $20\pm 5^{\circ}\text{C}$, the power supply voltage was varied from 85% to 115% of the nominal value.
- Record the frequency variation measured.

8.4.Test Conditions

Temperature	25°C	Relative Humidity	55%	Test Voltage	DC 12V
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8.5.Test Result

Refer to Appendix F of Appendix FCC ID WCDMA-HSDPA-HSUPA-B2/B4/B5 (the test data).

9. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

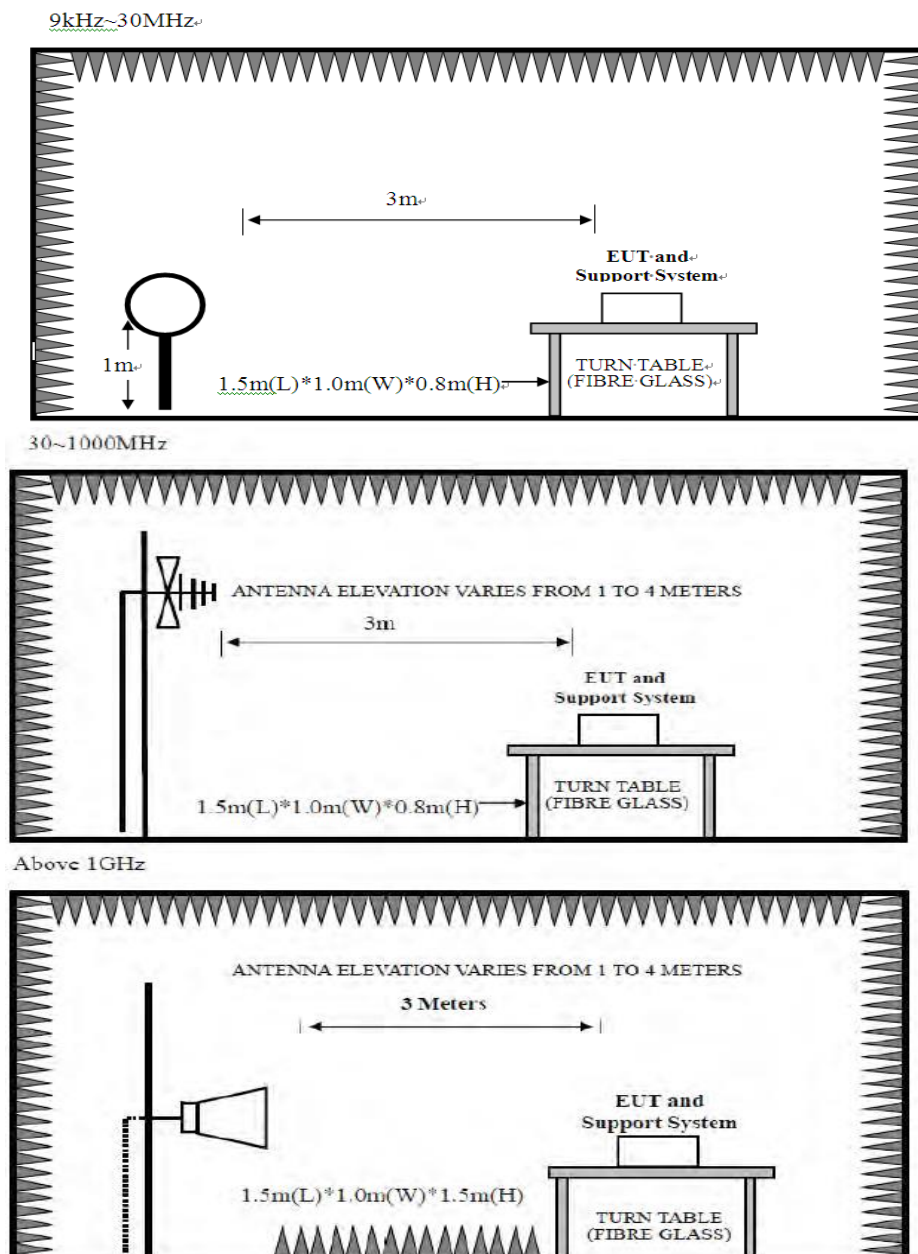
9.1.Limit

According to the requirements of §22.917 (a) , §24.238 (a), §27.53 (c) (2), §27.53 (g) and §27.53 (h), the power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

According to the requirements of §27.53 (m) (4), the power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

9.2.Test Setup



9.3. Test Procedure

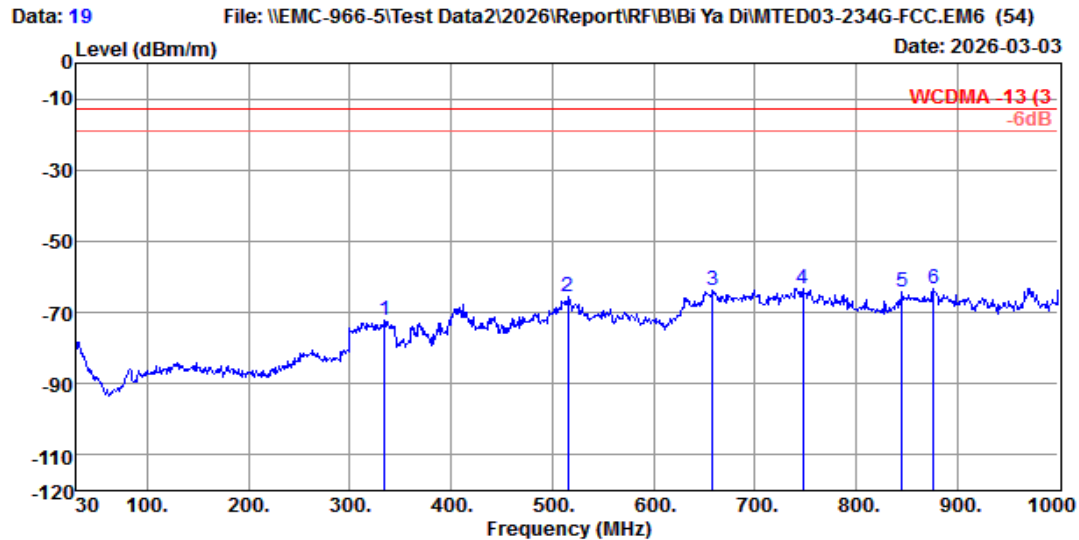
- a. Below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi- anechoic chamber room.
- b. For the radiated emission test above 1GHz:
- c. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter full anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- d. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- e. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- f. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to peak detect function and specified bandwidth with maximum hold mode.
- g. An antenna was substituted in place of the EUT and was driven by a signal generator.
- h. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- i. Record the output power at antenna port.
- j. Repeat above steps f and g for another polarization.
- k. Calculate power in dBm by the following formula:
 - l. $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
 - m. $ERP (dBm) = EIRP - 2.15$
- n. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- o. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worst case, and it was recorded in the report.
- p. Repeat above procedures until all frequencies measured was complete.

9.4. Test Result

30Mhz ~ 1Ghz

EST Technology

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Site no. : 5# 966 Chamber Data no. : 19
 Dis. / Ant. : 3m 54681 Ant. pol. : HORIZONTAL
 Limit : WCDMA -13 (3)
 Env. / Ins. : Temp:21.2°C;Humi:32%;Press:101.1kPa
 Engineer : Wind Li
 EUT : In-vehicle Multimedia Host
 Power : DC 12V From Battery
 M/N : MTED03
 Test Mode : Traffic Mode
 Sample No. : EST-260119019-001
 WCDMA B2 CH 9262

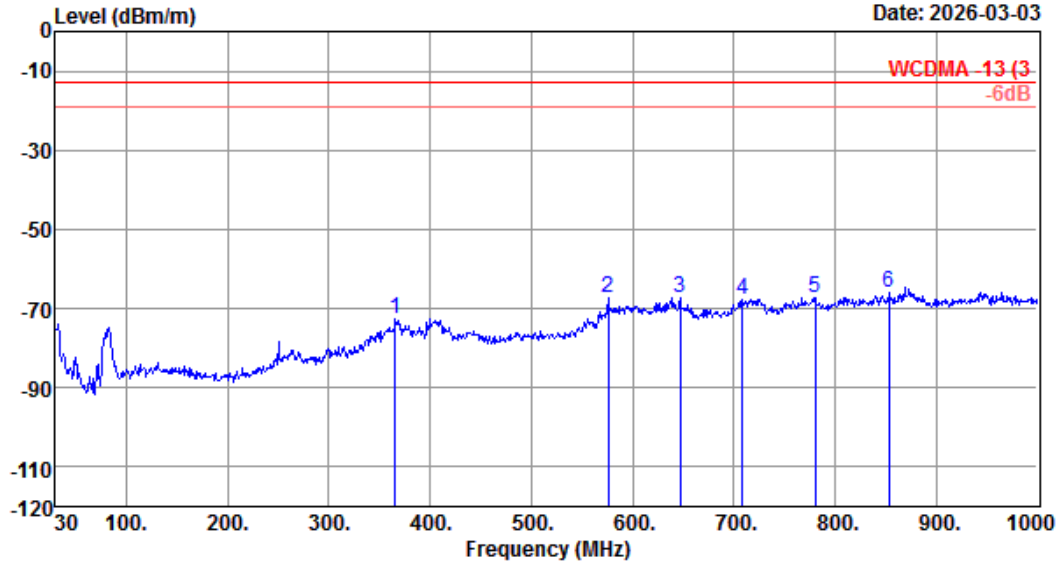
	Freq.	Ant.	Cable		Correction	Emission			
	(MHz)	Factor	Loss	Reading	Factor	Level	Limits	Margin	Type
		(dB/m)	(dB)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1	334.58	13.40	3.28	-98.51	9.70	-72.13	-13.00	59.13	erp
2	515.00	17.55	4.12	-97.06	9.70	-65.69	-13.00	52.69	erp
3	658.56	20.08	4.71	-98.39	9.70	-63.90	-13.00	50.90	erp
4	747.80	21.28	5.05	-99.32	9.70	-63.29	-13.00	50.29	erp
5	845.77	22.48	5.41	-101.92	9.70	-64.33	-13.00	51.33	erp
6	876.81	22.42	5.51	-101.00	9.70	-63.37	-13.00	50.37	erp

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor
 2. Margin = Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

EST Technology

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Fax: +86-769-83081878

Data: 20 File: \\EMC-966-5\Test Data2\2026\Report\RF\B\Bi Ya Di\MTED03-234G-FCC.EM6 (54) Date: 2026-03-03



Site no. : 5# 966 Chamber Data no. : 20
Dis. / Ant. : 3m 54681 Ant. pol. : VERTICAL
Limit : WCDMA -13 (3)
Env. / Ins. : Temp:21.2°C;Humi:32%;Press:101.1kPa
Engineer : Wind Li
EUT : In-vehicle Multimedia Host
Power : DC 12V From Battery
M/N : MTED03
Test Mode : Traffic Mode
Sample No. : EST-260119019-001
WCDMA B2 CH 9262

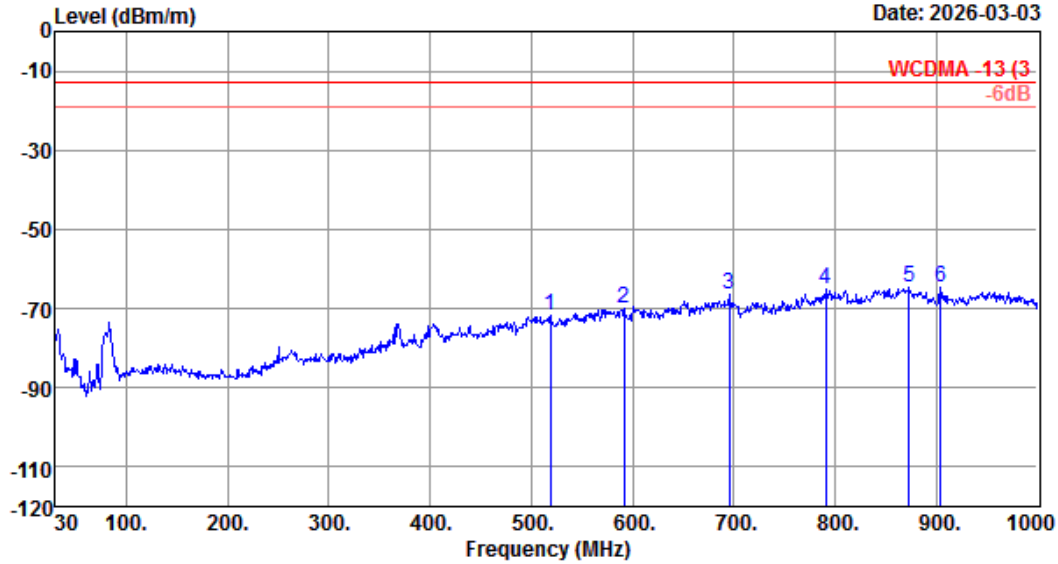
	Freq. (MHz)	Ant.	Cable	Reading (dBm)	Correction Emission				Type
		Factor (dB/m)	Loss (dB)		Factor (dB)	Level (dBm)	Limits (dBm)	Margin (dB)	
1	365.62	14.60	3.44	-100.21	9.70	-72.47	-13.00	59.47	erp
2	576.11	19.54	4.38	-100.95	9.70	-67.33	-13.00	54.33	erp
3	646.92	20.02	4.66	-101.60	9.70	-67.22	-13.00	54.22	erp
4	709.00	20.29	4.90	-102.50	9.70	-67.61	-13.00	54.61	erp
5	780.78	21.91	5.18	-104.26	9.70	-67.47	-13.00	54.47	erp
6	853.53	22.68	5.43	-103.89	9.70	-66.08	-13.00	53.08	erp

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor
2. Margin = Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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Data: 21 File: \\EMC-966-5\Test Data2\2026\Report\RF\B\Bi Ya Di\MTED03-234G-FCC.EM6 (54) Date: 2026-03-03



Site no. : 5# 966 Chamber Data no. : 21
Dis. / Ant. : 3m 54681 Ant. pol. : VERTICAL
Limit : WCDMA -13 (3)
Env. / Ins. : Temp:21.2°C;Humi:32%;Press:101.1kPa
Engineer : Wind Li
EUT : In-vehicle Multimedia Host
Power : DC 12V From Battery
M/N : MTED03
Test Mode : Traffic Mode
Sample No. : EST-260119019-001
WCDMA B2 CH 9400

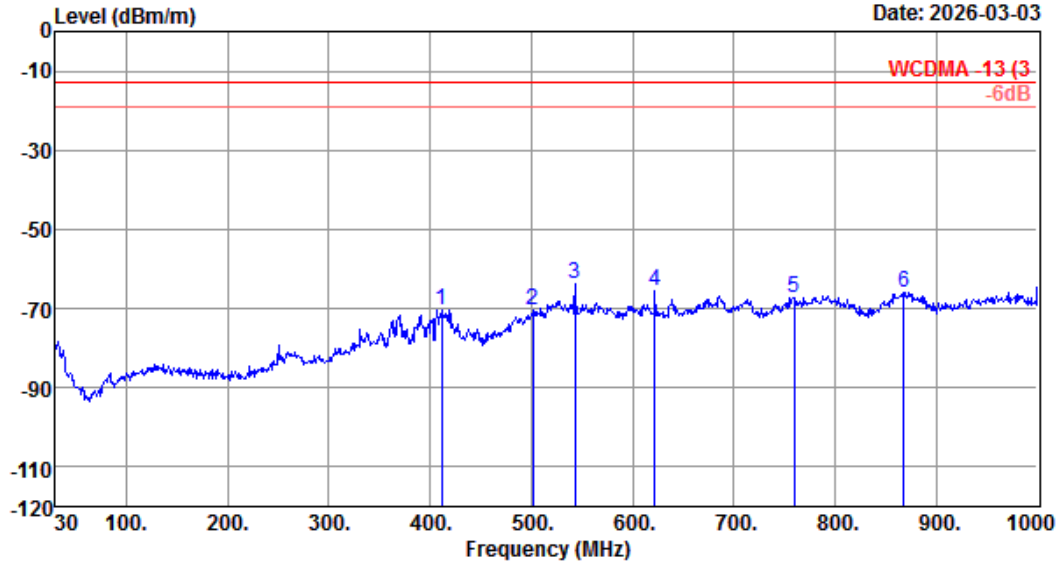
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBm)	Correction Factor (dB)	Emission				Type
					Level (dBm)	Limits (dBm)	Margin		
1	518.88	17.51	4.14	-103.15	9.70	-71.80	-13.00	58.80	erp
2	591.63	19.25	4.45	-103.32	9.70	-69.92	-13.00	56.92	erp
3	695.42	20.20	4.85	-101.13	9.70	-66.38	-13.00	53.38	erp
4	790.48	22.00	5.21	-102.08	9.70	-65.17	-13.00	52.17	erp
5	872.93	22.58	5.50	-102.27	9.70	-64.49	-13.00	51.49	erp
6	903.97	22.75	5.60	-102.59	9.70	-64.54	-13.00	51.54	erp

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor
2. Margin = Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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Data: 22 File: \\EMC-966-5\Test Data2\2026\Report\RF\B\Bi Ya Di\MTED03-234G-FCC.EM6 (54) Date: 2026-03-03



Site no. : 5# 966 Chamber Data no. : 22
Dis. / Ant. : 3m 54681 Ant. pol. : HORIZONTAL
Limit : WCDMA -13 (3)
Env. / Ins. : Temp:21.2°C;Humi:32%;Press:101.1kPa
Engineer : Wind Li
EUT : In-vehicle Multimedia Host
Power : DC 12V From Battery
M/N : MTED03
Test Mode : Traffic Mode
Sample No. : EST-260119019-001
WCDMA B2 CH 9400

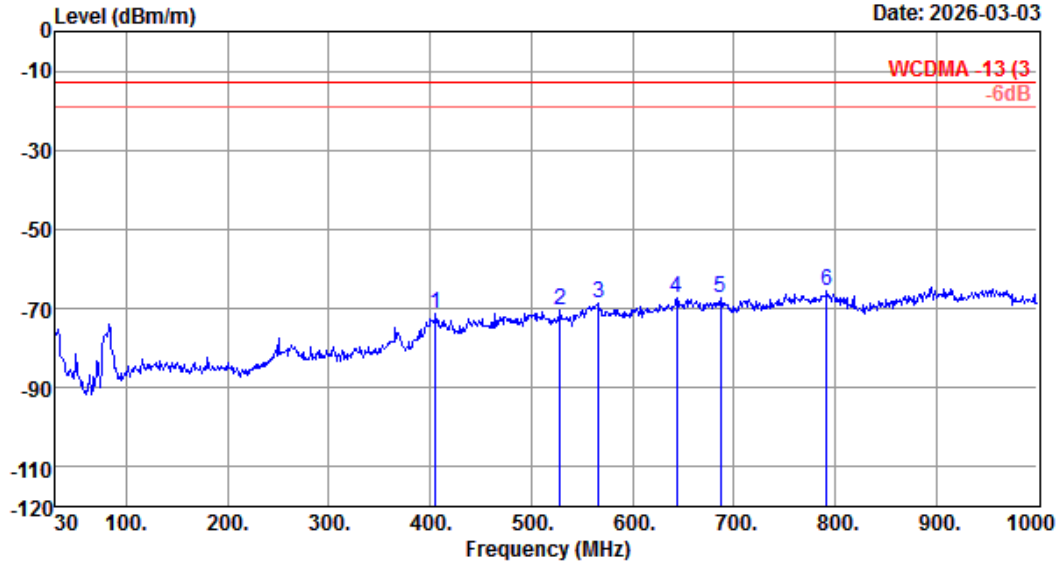
	Freq. (MHz)	Ant.	Cable	Correction Emission					
		Factor (dB/m)	Loss (dB)	Reading (dBm)	Factor (dB)	Level (dBm)	Limits (dBm)	Margin (dB)	Type
1	411.21	16.25	3.67	-99.83	9.70	-70.21	-13.00	57.21	erp
2	501.42	17.68	4.06	-101.66	9.70	-70.22	-13.00	57.22	erp
3	543.13	18.16	4.24	-96.06	9.70	-63.96	-13.00	50.96	erp
4	621.70	19.59	4.57	-99.41	9.70	-65.55	-13.00	52.55	erp
5	759.44	21.29	5.09	-103.24	9.70	-67.16	-13.00	54.16	erp
6	868.08	22.72	5.48	-103.68	9.70	-65.78	-13.00	52.78	erp

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor
2. Margin = Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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Data: 23 File: \\EMC-966-5\Test Data2\2026\Report\RF\B\Bi Ya Di\MTED03-234G-FCC.EM6 (54) Date: 2026-03-03



Site no. : 5# 966 Chamber Data no. : 23
 Dis. / Ant. : 3m 54681 Ant. pol. : VERTICAL
 Limit : WCDMA -13 (3)
 Env. / Ins. : Temp:21.2°C;Humi:32%;Press:101.1kPa
 Engineer : Wind Li
 EUT : In-vehicle Multimedia Host
 Power : DC 12V From Battery
 M/N : MTED03
 Test Mode : Traffic Mode
 Sample No. : EST-260119019-001
 WCDMA B2 CH 9538

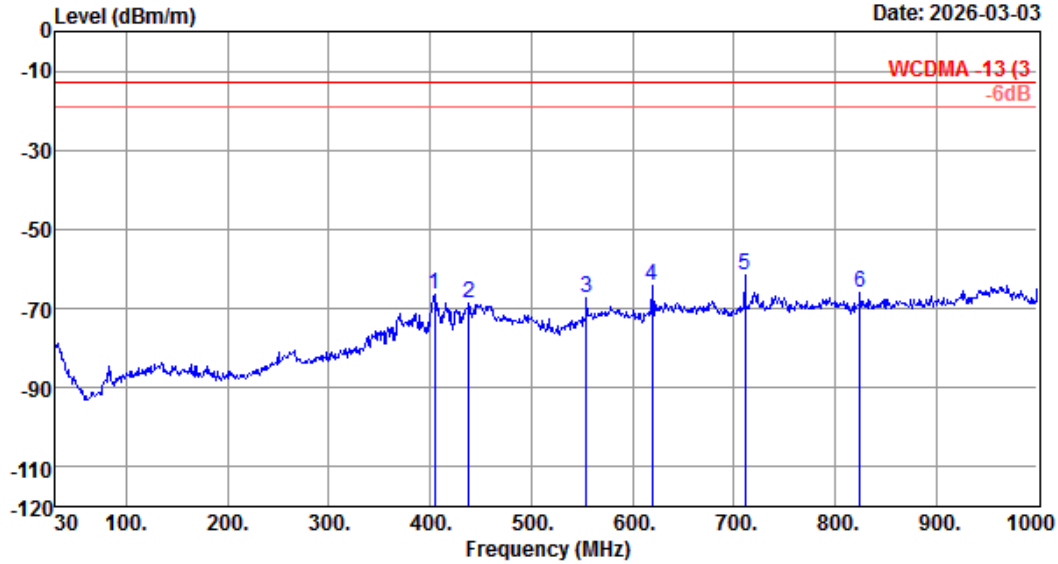
	Freq. (MHz)	Ant.	Cable		Correction Emission				Type
		Factor (dB/m)	Loss (dB)	Reading (dBm)	Factor (dB)	Level (dBm)	Limits (dBm)	Margin (dB)	
1	405.39	15.85	3.64	-100.52	9.70	-71.33	-13.00	58.33	erp
2	528.58	17.74	4.18	-102.24	9.70	-70.62	-13.00	57.62	erp
3	566.41	19.56	4.34	-102.35	9.70	-68.75	-13.00	55.75	erp
4	644.01	20.14	4.65	-101.67	9.70	-67.18	-13.00	54.18	erp
5	686.69	20.26	4.82	-101.91	9.70	-67.13	-13.00	54.13	erp
6	791.45	21.98	5.22	-102.66	9.70	-65.76	-13.00	52.76	erp

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor
 2. Margin = Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 24 File: \\EMC-966-5\Test Data2\2026\Report\RF\B\Bi Ya Di\MTED03-234G-FCC.EM6 (54) Date: 2026-03-03



Site no. : 5# 966 Chamber Data no. : 24
Dis. / Ant. : 3m 54681 Ant. pol. : HORIZONTAL
Limit : WCDMA -13 (3)
Env. / Ins. : Temp:21.2°C;Humi:32%;Press:101.1kPa
Engineer : Wind Li
EUT : In-vehicle Multimedia Host
Power : DC 12V From Battery
M/N : MTED03
Test Mode : Traffic Mode
Sample No. : EST-260119019-001
WCDMA B2 CH 9538

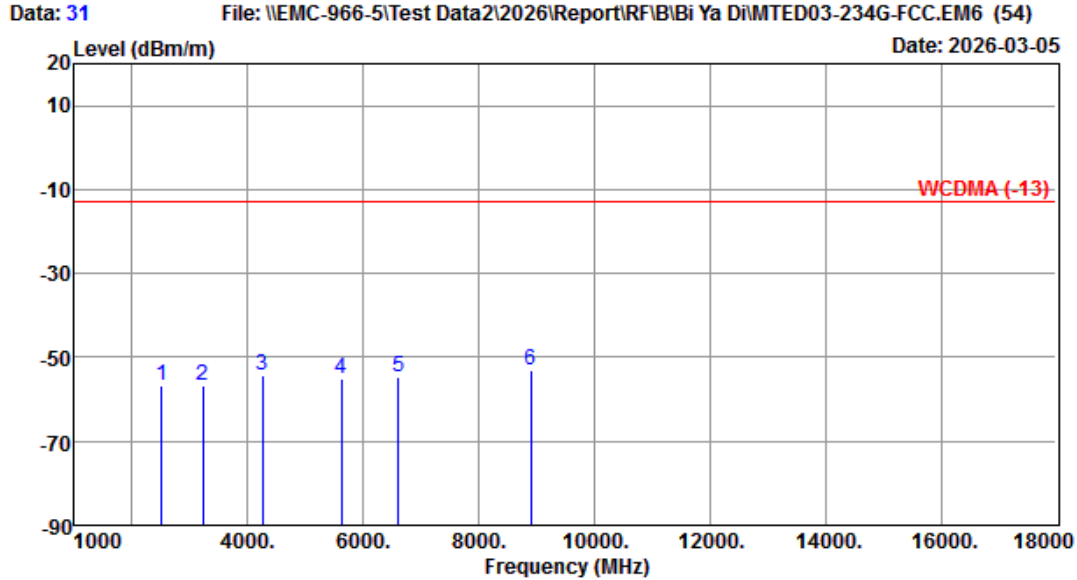
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBm)	Correction Factor (dB)	Emission			
					Level (dBm)	Limits (dBm)	Margin (dB)	Type
1	404.42	15.78	3.64	-95.64	9.70	-66.52	-13.00	53.52 erp
2	438.37	16.35	3.79	-98.41	9.70	-68.57	-13.00	55.57 erp
3	554.77	19.23	4.29	-100.53	9.70	-67.31	-13.00	54.31 erp
4	619.76	19.50	4.56	-98.13	9.70	-64.37	-13.00	51.37 erp
5	710.94	20.36	4.91	-96.55	9.70	-61.58	-13.00	48.58 erp
6	824.43	21.50	5.33	-102.63	9.70	-66.10	-13.00	53.10 erp

Remarks: 1. Emission Level = Reading+Antenna Factor+Cable Loss+Correction Factor
2. Margin = Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

Above 1GHz

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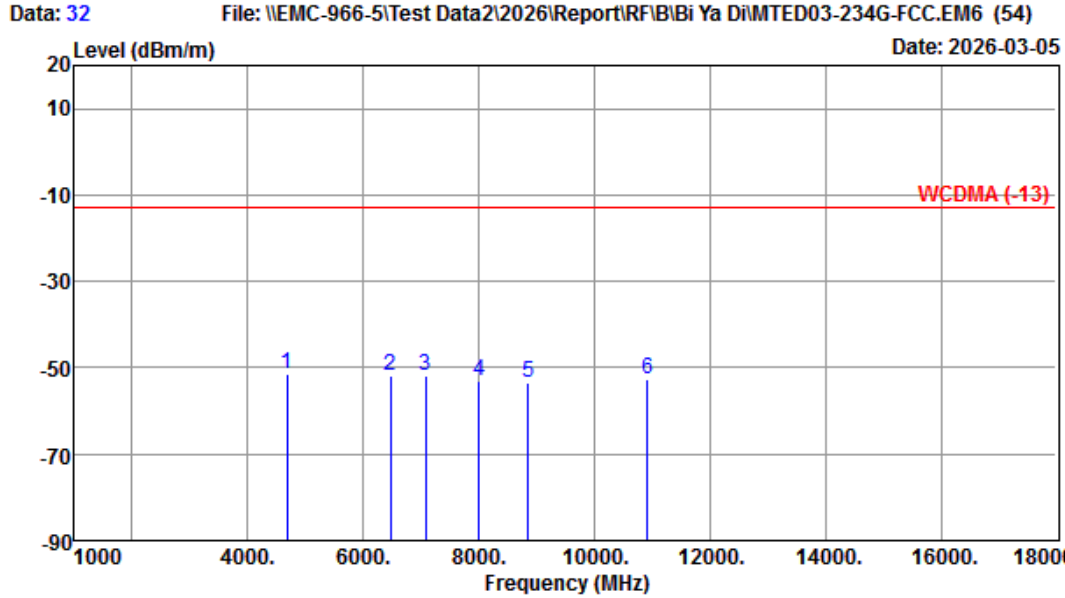
Site no. : 5# 966 Chamber Data no. : 31
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
Limit : WCDMA (-13)
Env. / Ins. : Temp:22.6°C;Humi:50%;Press:101.45kPa
Engineer : Aron Zhang
EUT : In-vehicle Multimedia Host
Power : DC 12V From Battery
M/N : MTED03
Test Mode : Traffic Mode
Sample No. : EST-260119019-001
WCDMA B2 CH 9262

	Freq.	Ant.	Cable	Amp	Correction	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Factor	Level	Limits	Margin	Type
		(dB/m)	(dB)	(dB)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1	2515.75	27.98	3.60	43.99	-56.16	11.80	-56.77	-13.00	43.77	eirp
2	3220.75	28.70	4.22	43.40	-58.18	11.80	-56.86	-13.00	43.86	eirp
3	4254.75	30.70	4.99	43.35	-58.45	11.80	-54.31	-13.00	41.31	eirp
4	5617.75	33.16	5.70	43.33	-62.49	11.80	-55.16	-13.00	42.16	eirp
5	6604.75	35.48	6.34	43.40	-64.95	11.80	-54.73	-13.00	41.73	eirp
6	8896.00	38.90	7.05	43.02	-67.85	11.80	-53.12	-13.00	40.12	eirp

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 5# 966 Chamber Data no. : 32
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : WCDMA (-13)
 Env. / Ins. : Temp:22.6°C;Humi:50%;Press:101.45kPa
 Engineer : Aron Zhang
 EUT : In-vehicle Multimedia Host
 Power : DC 12V From Battery
 M/N : MTED03
 Test Mode : Traffic Mode
 Sample No. : EST-260119019-001
 WCDMA B2 CH 9262

	Freq.	Ant.	Cable	Amp	Correction	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Factor	Level	Limits	Margin	Type
		(dB/m)	(dB)	(dB)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1	4677.75	32.03	5.22	43.26	-57.42	11.80	-51.63	-13.00	38.63	eirp
2	6463.75	35.90	6.23	43.40	-62.49	11.80	-51.96	-13.00	38.96	eirp
3	7074.75	36.43	6.66	43.39	-63.54	11.80	-52.04	-13.00	39.04	eirp
4	8003.00	38.20	6.94	43.20	-66.76	11.80	-53.02	-13.00	40.02	eirp
5	8860.75	38.70	7.04	43.03	-67.96	11.80	-53.45	-13.00	40.45	eirp
6	10917.00	39.42	8.71	42.06	-70.51	11.80	-52.64	-13.00	39.64	eirp

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

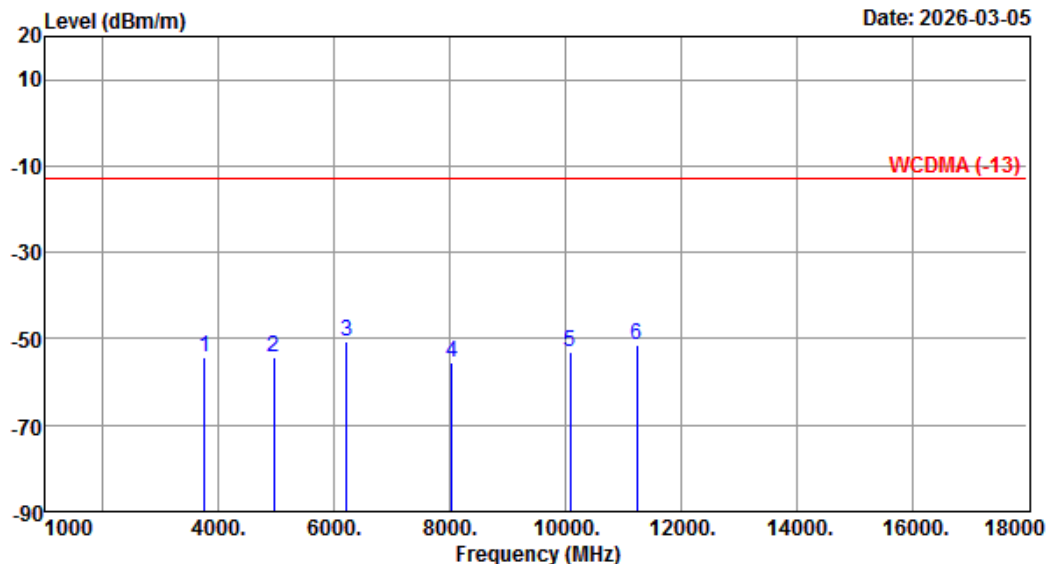
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Data: 33

File: \\EMC-966-5\Test Data2\2026\Report\RF\B\Bi Ya Di\MTED03-234G-FCC.EM6 (54)

Date: 2026-03-05



Site no. : 5# 966 Chamber Data no. : 33
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
 Limit : WCDMA (-13)
 Env. / Ins. : Temp:22.6°C;Humi:50%;Press:101.45kPa
 Engineer : Aron Zhang
 EUT : In-vehicle Multimedia Host
 Power : DC 12V From Battery
 M/N : MTED03
 Test Mode : Traffic Mode
 Sample No. : EST-260119019-001
 WCDMA B2 CH 9400

	Freq.	Ant.	Cable	Amp	Correction	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Factor	Level	Limits	Margin	Type
		(dB/m)	(dB)	(dB)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1	3749.50	29.75	4.65	43.40	-57.23	11.80	-54.43	-13.00	41.43	eirp
2	4948.00	31.75	5.36	43.21	-60.05	11.80	-54.35	-13.00	41.35	eirp
3	6217.00	34.00	6.05	43.40	-59.07	11.80	-50.62	-13.00	37.62	eirp
4	8038.25	38.00	6.94	43.19	-69.21	11.80	-55.66	-13.00	42.66	eirp
5	10082.75	39.58	8.17	42.64	-70.06	11.80	-53.15	-13.00	40.15	eirp
6	11234.25	39.57	8.81	41.76	-69.76	11.80	-51.34	-13.00	38.34	eirp

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

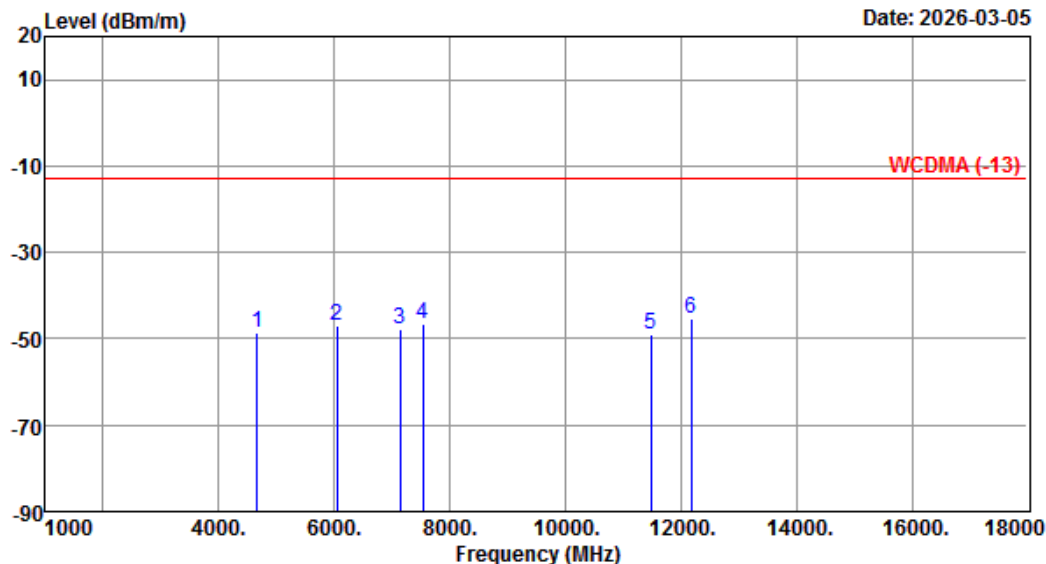
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Data: 34

File: \\EMC-966-5\Test Data2\2026\Report\RF\B\Bi Ya Di\MTED03-234G-FCC.EM6 (54)

Date: 2026-03-05



Site no. : 5# 966 Chamber Data no. : 34
 Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
 Limit : WCDMA (-13)
 Env. / Ins. : Temp:22.6°C;Humi:50%;Press:101.45kPa
 Engineer : Aron Zhang
 EUT : In-vehicle Multimedia Host
 Power : DC 12V From Battery
 M/N : MTED03
 Test Mode : Traffic Mode
 Sample No. : EST-260119019-001
 WCDMA B2 CH 9400

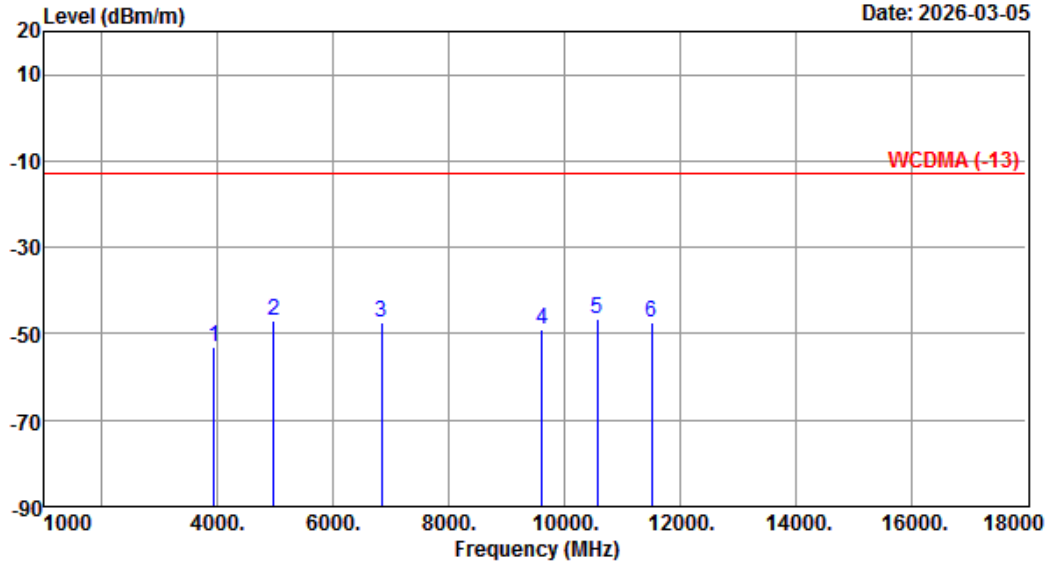
	Freq.	Ant.	Cable	Amp	Correction	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Factor	Level	Limits	Margin	Type
		(dB/m)	(dB)	(dB)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1	4666.00	32.03	5.22	43.26	-54.43	11.80	-48.64	-13.00	35.64	eirp
2	6040.75	33.55	5.92	43.40	-54.98	11.80	-47.11	-13.00	34.11	eirp
3	7133.50	36.83	6.68	43.37	-59.86	11.80	-47.92	-13.00	34.92	eirp
4	7533.00	36.77	6.80	43.29	-58.72	11.80	-46.64	-13.00	33.64	eirp
5	11481.00	39.74	8.84	41.51	-67.71	11.80	-48.84	-13.00	35.84	eirp
6	12186.00	40.14	9.02	40.72	-65.49	11.80	-45.25	-13.00	32.25	eirp

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor
 2. Margin= Limit - Emission Level.
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 35 File: \\EMC-966-5\Test Data2\2026\Report\RF\B\Bi Ya Di\MTED03-234G-FCC.EM6 (54) Date: 2026-03-05



Site no. : 5# 966 Chamber Data no. : 35
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : VERTICAL
Limit : WCDMA (-13)
Env. / Ins. : Temp:22.6°C;Humi:50%;Press:101.45kPa
Engineer : Aron Zhang
EUT : In-vehicle Multimedia Host
Power : DC 12V From Battery
M/N : MTED03
Test Mode : Traffic Mode
Sample No. : EST-260119019-001
WCDMA B2 CH 9538

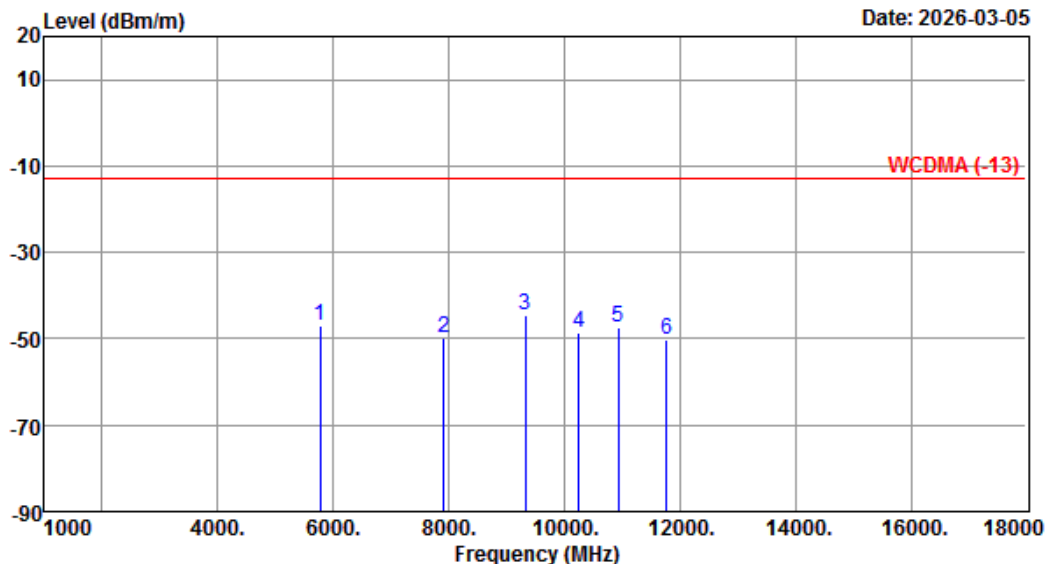
	Freq.	Ant.	Cable	Amp	Correction	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Factor	Level	Limits	Margin	Type
		(dB/m)	(dB)	(dB)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1	3937.50	30.16	4.81	43.40	-56.49	11.80	-53.12	-13.00	40.12	eirp
2	4971.50	31.72	5.38	43.20	-52.56	11.80	-46.86	-13.00	33.86	eirp
3	6828.00	35.33	6.51	43.40	-57.69	11.80	-47.45	-13.00	34.45	eirp
4	9612.75	39.65	7.71	42.81	-65.27	11.80	-48.92	-13.00	35.92	eirp
5	10576.25	39.48	8.49	42.30	-63.84	11.80	-46.37	-13.00	33.37	eirp
6	11504.50	39.76	8.85	41.49	-66.16	11.80	-47.24	-13.00	34.24	eirp

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

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Data: 36 File: \\EMC-966-5\Test Data2\2026\Report\RF\B\Bi Ya Di\MTED03-234G-FCC.EM6 (54) Date: 2026-03-05



Site no. : 5# 966 Chamber Data no. : 36
Dis. / Ant. : 3m 9120D-1002 1-18G Ant. pol. : HORIZONTAL
Limit : WCDMA (-13)
Env. / Ins. : Temp:22.6°C;Humi:50%;Press:101.45kPa
Engineer : Aron Zhang
EUT : In-vehicle Multimedia Host
Power : DC 12V From Battery
M/N : MTED03
Test Mode : Traffic Mode
Sample No. : EST-260119019-001
WCDMA B2 CH 9538

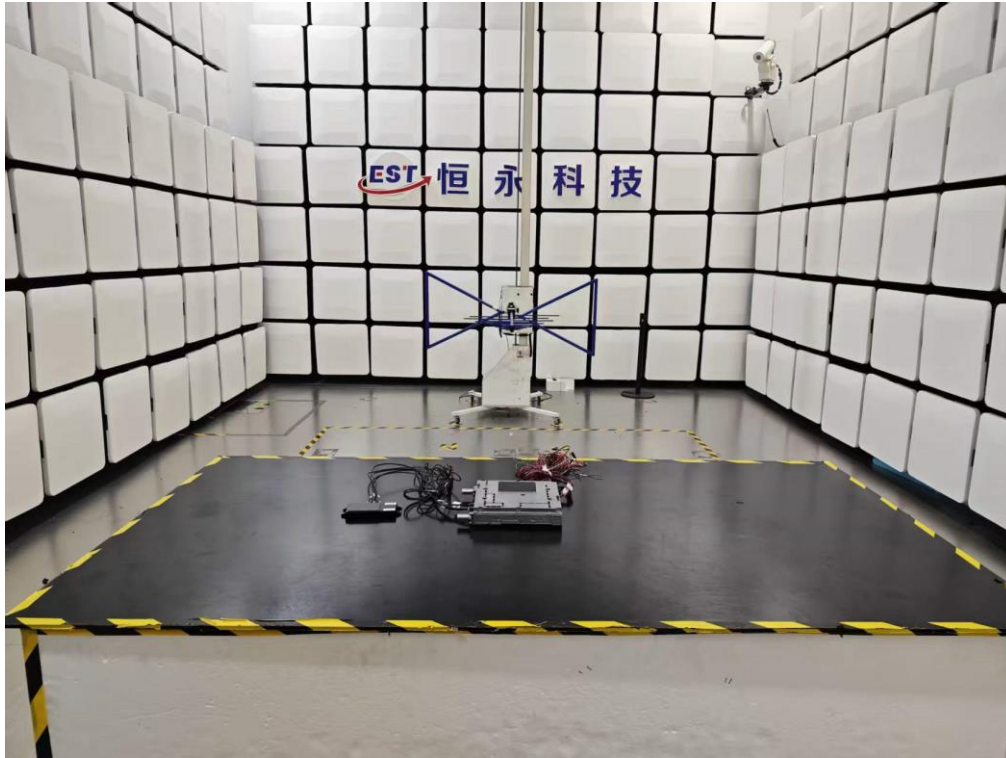
	Freq.	Ant.	Cable	Amp	Correction	Emission				
	(MHz)	Factor	Loss	Factor	Reading	Factor	Level	Limits	Margin	Type
		(dB/m)	(dB)	(dB)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	
1	5770.50	33.33	5.77	43.36	-54.70	11.80	-47.16	-13.00	34.16	eirp
2	7909.00	37.50	6.91	43.22	-62.62	11.80	-49.63	-13.00	36.63	eirp
3	9330.75	38.93	7.40	42.90	-59.91	11.80	-44.68	-13.00	31.68	eirp
4	10259.00	39.55	8.29	42.51	-65.81	11.80	-48.68	-13.00	35.68	eirp
5	10928.75	39.41	8.73	42.05	-65.41	11.80	-47.52	-13.00	34.52	eirp
6	11774.75	39.95	8.89	41.22	-69.53	11.80	-50.11	-13.00	37.11	eirp

Remarks: 1. Emission Level= Reading+Antenna Factor+Cable Loss-Amp Factor+Correction Factor
2. Margin= Limit - Emission Level.
3. The emission levels that are 20dB below the official limit are not reported.

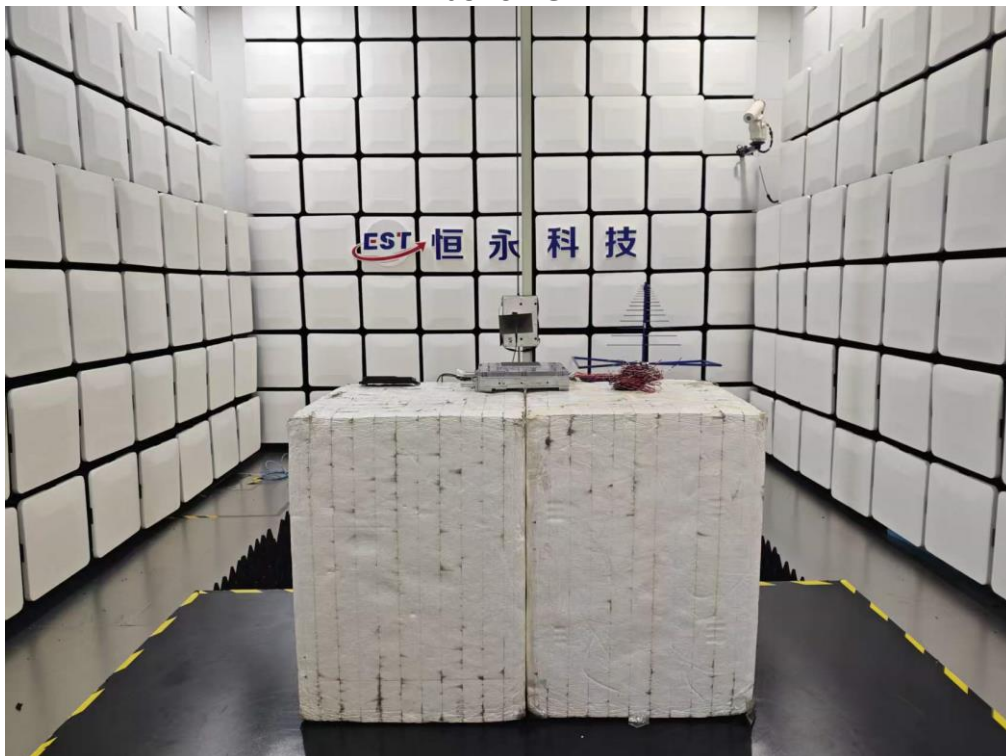
10. PHOTOGRAPHS OF TEST SETUP

10.1. Setup for Transmitter & Receiver Spurious Emissions

Below 1GHz



Above 1GHz



10.2. Setup for Radio Spectrum Testing



11.EUT PHOTO

Refer to report no. ESTE-R2603264

End of Test Report