



FCC PART 15C REPORT FOR CERTIFICATION On Behalf of

Hui Zhou Gaoshengda Technology Co.,LTD

WIFI+BT Module

Model Number: DT3HR1601

FCC ID: 2AC23-DT2H

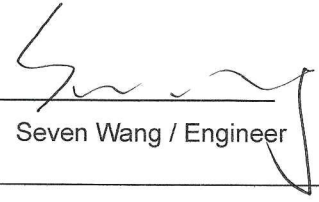
Applicant:	Hui Zhou Gaoshengda Technology Co.,LTD
Address:	No.6 Qiaoguang Road, Chenjiang Street, Zhongkai High-tech Zone,
	Huizhou City, Guangdong Province, China.
Prepared By:	EST Technology Co., Ltd.
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Report Number:	ESTE-R2609326
Date of Test:	Sep. 30, 2026 to Oct. 08, 2026
Date of Report:	Oct. 08, 2026

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Applicant: Address:	Hui Zhou Gaoshengda Technology Co.,LTD No.6 Qiaoguang Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou City, Guangdong Province, China.		
Manufacturer: Address:	Hui Zhou Gaoshengda Technology Co.,LTD No.6 Qiaoguang Road, Chenjiang Street, Zhongkai High-tech Zone, Huizhou City, Guangdong Province, China.		
E.U.T:	WIFI+BT Module		
Model Number:	DT3HR1601		
Power Supply:	DC 3.3V From PC		
Trade Name:	GSD	Sample No.:	EST-260930008-001
Date of Receipt:	Sep. 30, 2026	Date of Test:	Sep. 30, 2026 to Oct. 08, 2026
Test Specification:	FCC Part 15 Subpart C (15.247) ANSI C63.10:2020 FCC KDB 558074 D01 15.247 Meas Guidance v05r02		
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 Rules and Regulations Part 15 Subpart C requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd. Date: Oct. 09, 2026		
Prepared by:	Reviewed by:	Approved by:	
 Ring Yang / Assistant	 Seven Wang / Engineer	 Iceman Hu / Manager	
Other Aspects:	None.		
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)

Product Name	:	WIFI+BT Module
Model Number	:	DT3HR1601
Software Version	:	N/A
Hardware Version	:	N/A
Operation frequency	:	IEEE 802.11b/g/n HT20:2412MHz~2462MHz IEEE 802.11n HT40:2422MHz~2452MHz
Number of channel	:	IEEE 802.11b/g/n HT20: 11 Channels IEEE 802.11n HT40: 7 Channels
Max Output Power	:	IEEE 802.11b: 20.96dBm IEEE 802.11g: 20.68dBm IEEE 802.11n HT20: 20.79dBm IEEE 802.11n HT40: 16.74dBm
Modulation Type	:	DSSS; OFDM
Sample Type	:	Prototype production
Note: The product information is provided by the manufacturer. The laboratory is not responsible for this data.		

1.2. Antenna Information

Ant No.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	-	-	Metal	-	1.72
Note: 1.The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain. 2.The test results of this report only apply to the sample as received.					

1.3. Information of RF Cable

Cable Loss(dB)	Provided by
1.0	Hui Zhou Gaoshengda Technology Co.,LTD
Note: 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 TEST

2.1.Summary of test result

No.	Description of Test Item	FCC Standard Section	Results
1	6dB Bandwidth	15.247(a)(2)	PASS
2	Maximum Output Power	15.247(b)(3)	PASS
3	Power Spectral Density	15.247(e)	PASS
4	Conducted Band Edge	15.247(d)	PASS
5	Conducted Spurious Emissions	15.247(d)	PASS
6	Radiated Spurious Emissions and Band Edge	15.205 15.209 15.247(d)	PASS
7	AC Power Line Conducted Emissions	15.207	PASS
8	Antenna Requirement	15.203	PASS

Note: "N/A" denotes test is not applicable in this test report.

2.2. 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, 2026
This Recognition is valid until: Apr. 19, 2029

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

2.3.Measurement uncertainty

Test Item	Uncertainty
Uncertainty for conducted RF Power	0.53dB
Uncertainty for Conduction emission test	0.46dB
Uncertainty for Power density test	0.46dB
Uncertainty for radio frequency	2×10^{-5}
Uncertainty for spurious emissions test (9kHz-30MHz)	± 2.88

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

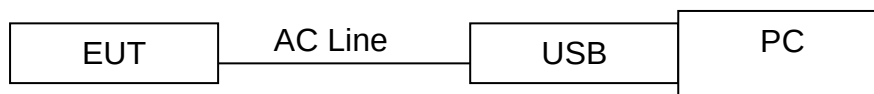
2.4.Assistant equipment used for test

Item	Equipment	Brand	Model Name/Type No.	FCC ID	Series No.
PC	Laptop computer	-	Think pad E485	-	PF-1E3QZY

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	0.5m	AC Cable

2.5.Block Diagram

For radiated emissions test: EUT was placed on a turntable, which is 0.8 (or 1.5) meter high above ground. The EUT was set into 2.4G Wi-Fi test mode by software prior to testing.



DC 3.3V From PC

(EUT: WIFI+BT Module)

2.6. Test Mode

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

Test Item	Mode	Date Rate	Test Channel
6dB Bandwidth	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High
Maximum Output Power	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High
Power Spectral Density	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High
Conducted Band Edge	IEEE 802.11b	1Mbps	Low/ High
	IEEE 802.11g	6Mbps	Low/ High
	IEEE 802.11n HT20	MCS0	Low/ High
	IEEE 802.11n HT40	MCS0	Low/ High
Conducted Spurious Emissions	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High
Radiated Spurious Emissions(Below 1GHz)	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High
Radiated Spurious Emissions(Above 1GHz)	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High
Radiated Band Edge	IEEE 802.11b	1Mbps	Low/High
	IEEE 802.11g	6Mbps	Low/High
	IEEE 802.11n HT20	MCS0	Low/High
	IEEE 802.11n HT40	MCS0	Low/High
AC Power Line Conducted Emissions	IEEE 802.11b	1Mbps	Low/Middle/High
	IEEE 802.11g	6Mbps	Low/Middle/High
	IEEE 802.11n HT20	MCS0	Low/Middle/High
	IEEE 802.11n HT40	MCS0	Low/Middle/High

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**.

2.7. Power Setting of Test Software

Software Name	MPTOOL		
Frequency(MHz)	2412	2437	2462
IEEE 802.11b Setting	20	20	20
IEEE 802.11g Setting	16	16	16
IEEE 802.11n HT20 Setting	16	16	16
Frequency(MHz)	2422	2437	2452
IEEE 802.11n HT40 Setting	12	12	12

Note: This information is provided by the applicant.

2.8. Duty Cycle

Refer to Appendix G of Appendix FCC ID 2.4G Wi-Fi (the test data).

Note:

1. If duty cycle $< 98\%$, the conducted average output power and average power spectral density should be add duty factor.
2. If duty cycle $\geq 98\%$, the EUT is consider to be transmitting continuously, the conducted average output power and average power spectral density no need to add duty factor (consider to be zero).
3. The conducted peak output power and peak power spectral density no need to consider duty factor.
4. The on-time time is transmission duration(T).

2.9.Channel List

IEEE 802.11b/802.11g/802.11n HT20					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	6	2437	11	2462
2	2417	7	2442		
3	2422	8	2447		
4	2427	9	2452		
5	2432	10	2457		
IEEE 802.11n HT40					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	6	2437	9	2452
4	2427	7	2442		
5	2432	8	2447		

2.10. Test Equipment List

For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESCI3	EST-E035	Jun. 11, 2026	Jun. 10, 2027
Artificial Mains Network	Rohde & Schwarz	ENV216	EST-E002	Jun. 11, 2026	Jun. 10, 2027
Artificial Mains Network	SCHWAREBECK	NSLK 8128	EST-E029	Jun. 11, 2026	Jun. 10, 2027
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	EST-E003	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

NOTE: Test uncertainty: ± 3.44 dB at a level of confidence of 95%. (1#CE)

For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESCI3	EST-E071	Jun. 11, 2026	Jun. 10, 2027
Artificial Mains Network	Rohde & Schwarz	ENV216	EST-E048	Jun. 11, 2026	Jun. 10, 2027
Artificial Mains Network	Rohde & Schwarz	ENV216	EST-E072	Jun. 11, 2026	Jun. 10, 2027
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	EST-E078	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

NOTE: Test uncertainty: ± 3.42 dB at a level of confidence of 95%. (2#CE)

For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR3	EST-E141	Jun. 11, 2026	Jun. 10, 2027
Artificial Mains Network	Rohde & Schwarz	ENV216	EST-E145	Jun. 11, 2026	Jun. 10, 2027
V-LISN	SCHWARZBECK	NNLK 8121	EST-E159	Jun. 11, 2026	Jun. 10, 2027
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	EST-E147	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

NOTE: Test uncertainty: ± 3.38 dB at a level of confidence of 95%. (3#CE)

For radiated emission test (9kHz-30MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR3	EST-E049	Jun. 11, 2026	Jun. 10, 2027
Active Loop Antenna	SCHWAREBECK	FMZB 1519B	EST-E054	Jun. 11, 2026	Jun. 10, 2027
Cable	/	/	EST-E314	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

For radiated emissions test (30MHz-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E047	Jun. 11, 2026	Jun. 10, 2027
Low Noise Amplifier	EMC solutions	TRLA-000060G40N	EST-E166	Jun. 11, 2026	Jun. 10, 2027
Bilog Antenna	Teseq	CBL 6111D	EST-E034	Jun. 11, 2026	Jun. 10, 2027
Cable	/	/	EST-E313	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

Note: Test uncertainty: ± 4.48 dB (H); ± 4.82 dB (V) at a level of confidence of 95%. (1#966)

For radiated emissions test (30MHz-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR3	EST-E049	Jun. 11, 2026	Jun. 10, 2027
Bilog Antenna	Teseq	CBL 6111D	EST-E053	Jun. 11, 2026	Jun. 10, 2027
Cable	/	/	EST-E314	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

Note: Test uncertainty: ± 4.26 dB (H); ± 4.74 dB (V) at a level of confidence of 95%. (2#966)

For radiated emissions test (30MHz-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESPI3	EST-E004	Jun. 11, 2026	Jun. 10, 2027
Bilog Antenna	Teseq	CBL 6111D	EST-E076	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

Note: Test uncertainty: ± 4.10 dB (H); ± 4.34 dB (V) at a level of confidence of 95%. (3#966)

For radiated emissions test (30MHz-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E105	Jun. 11, 2026	Jun. 10, 2027
Bilog Antenna	Teseq	CBL 6111D	EST-E104	Jun. 11, 2026	Jun. 10, 2027
Cable	/	/	EST-E327	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

Note: Test uncertainty: ± 4.74 dB (H); ± 4.98 dB (V) at a level of confidence of 95%. (5#966)

For radiated emissions test (30MHz-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESW8	EST-E151	Jun. 11, 2026	Jun. 10, 2027
EMI Test Receiver	Rohde & Schwarz	ESR3	EST-E126	Jun. 11, 2026	Jun. 10, 2027
Bilog Antenna	Teseq	CBL 6111D	EST-E052	Jun. 11, 2026	Jun. 10, 2027
Bilog Antenna	Teseq	CBL 6111D	EST-E127	Jun. 11, 2026	Jun. 10, 2027
Signal Amplifier	Agilent	310N	EST-E010	Jun. 11, 2026	Jun. 10, 2027
Signal Amplifier	Agilent	310N	EST-E068	Jun. 11, 2026	Jun. 10, 2027
Test Software	EZ	EZ-EMC	EST10m-03A	N/A	N/A

Note: Test uncertainty: ± 4.58 dB (H); ± 4.68 dB (V) at a level of confidence of 95%. (10m)

For radiated emission test(Above 1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	SCHWARZBECK	BBHA9120D	EST-E144	Jun. 11, 2026	Jun. 10, 2027
Horn Antenna	Com-Power	AHA-840	EST-E133	Jun. 11, 2026	Jun. 10, 2027
Low Noise Amplifier	RF	TRLA-010180G45N	EST-E142	Jun. 11, 2026	Jun. 10, 2027
Spectrum Analyzer	Rohde & Schwarz	FSV40	EST-E069	Jun. 11, 2026	Jun. 10, 2027
1#966Cable	/	/	EST-E330	Jun. 11, 2026	Jun. 10, 2027
5#966Cable	/	/	EST-E310	Jun. 11, 2026	Jun. 10, 2027
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A

Note: Test uncertainty: ± 5.08 dB (1GHz-18GHz); ± 5.10 dB (18GHz-40GHz) at a level of confidence of 95%.

For connect EUT antenna terminal test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
TS 1120	Tonscend	/	/	/	/
Test Software	Tonscend	TS1120-3	3.5.39	/	/
RF Control Unit	Tonscend	JS0806-2	EST-E134	Jun. 11, 2026	Jun. 10, 2027
Signal and Spectrum Analyzer	Keysight	N9010B	EST-E143	Jun. 11, 2026	Jun. 10, 2027

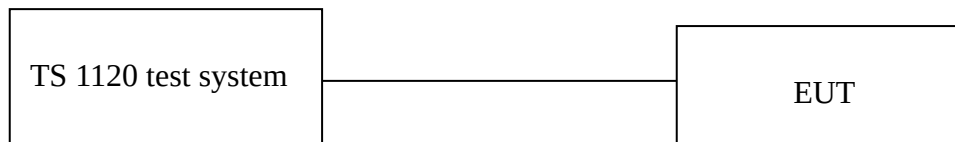
Note: All calibration reports of the equipment were provided by LiSai calibration and Testing

3.6DB BANDWIDTH

3.1.Limit

Systems using digital modulation techniques operate in the 2400-2483.5 MHz,the minimum 6 dB bandwidth shall be at least 500 kHz.

3.2.Test Setup



3.3.Spectrum Analyzer Setting

6dB Bandwidth

Spectrum Parameters	Setting
RBW	100KHz
VBW	300KHz
Span	40MHz(20MHz Bandwidth mode)/ 80MHz(40MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

99% Occupied Bandwidth

Spectrum Parameters	Setting
RBW	300KHz(20MHz Bandwidth mode)/ 1MHz(40MHz Bandwidth mode)
VBW	1MHz(20MHz Bandwidth mode)/3MHz(40MHz Bandwidth mode)
Span	40MHz(20MHz Bandwidth mode)/ 80MHz(40MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

3.4.Test Procedure

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 3.3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

3.5.Test Result

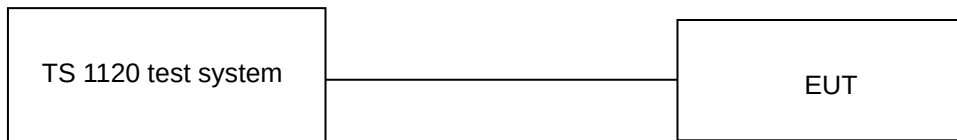
Refer to Appendix A of Appendix FCC ID 2.4G Wi-Fi (the test data).

4. MAXIMUM OUTPUT POWER

4.1. Limit

For systems using digital modulation in 2400-2483.5MHz, the maximum output power is 1 Watt(30dBm).

4.2. Test Setup



4.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	1MHz
VBW	3MHz
Span	40MHz(20MHz Bandwidth mode)/80MHz(40MHz Bandwidth mode)
Sweep Time	Auto
Detector	RMS
Trace Mode	Max Hold

4.4. Test Procedure

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 4.3.
- Set the EUT transmit continuously with maximum output power.
- Use the channel power function to measure maximum output power, allow trace to stabilize, save test pictures.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

4.5. Test Result

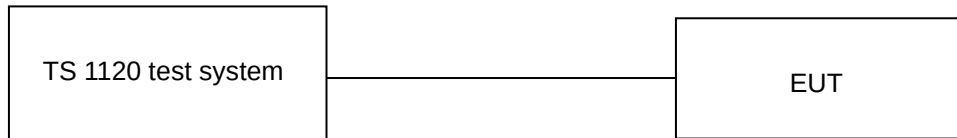
Refer to Appendix B of Appendix FCC ID 2.4G Wi-Fi (the test data).

5. POWER SPECTRAL DENSITY

5.1. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

5.2. Test Setup



5.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	3KHz
VBW	10KHz
Span	30MHz(20MHz Bandwidth mode)/60MHz(40MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

5.4. Test Procedure

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 5.3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

5.5. Test Result

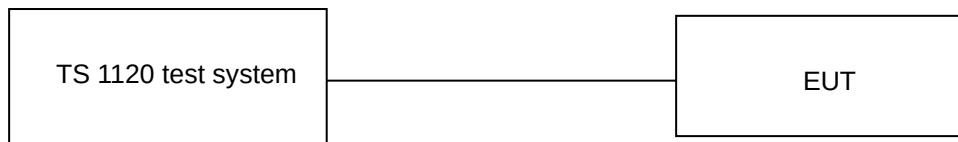
Refer to Appendix C of Appendix FCC ID 2.4G Wi-Fi (the test data).

6.CONDUCTED BAND EDGE

6.1.Limit

In any 100 kHz 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 20 dB below that in the 100 kHz 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 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

6.2.Test Setup



6.3.Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	100KHz
VBW	300KHz
Span	100MHz(20MHz Bandwidth mode)/ 200MHz(40MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

6.4.Test Procedure

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 6.3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the marker function to mark the highest emission level outside the authorized band.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report

6.5.Test Result

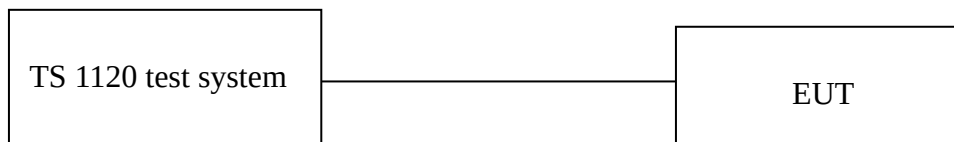
Refer to Appendix D & E of Appendix FCC ID 2.4G Wi-Fi (the test data).

7.CONDUCTED SPURIOUS EMISSIONS

7.1.Limit

In any 100 kHz 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 20 dB below that in the 100 kHz 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 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.2.Test Setup



7.3.Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	100KHz
VBW	300KHz
Start frequency	30MHz
Stop frequency	26.5GHz
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

7.4.Test Procedure

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with section 7.3.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize, use the marker function to mark the highest emission level outside the authorized band.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

7.5.Test Result

Refer to Appendix D & F of Appendix FCC ID 2.4G Wi-Fi (the test data).

8.RADIATED SPURIOUS EMISSIONS AND BAND EDGE

8.1.Limit

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 20dB below the fundamental emissions, or comply with 15.209 limits.

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
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 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)

15.209 Limit

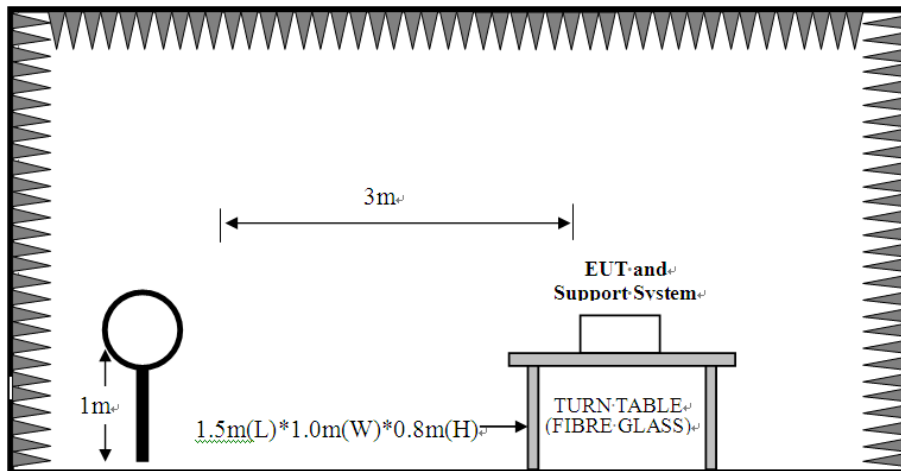
Frequency (MHz)	Field Strength(μ V/m)	Distance(m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

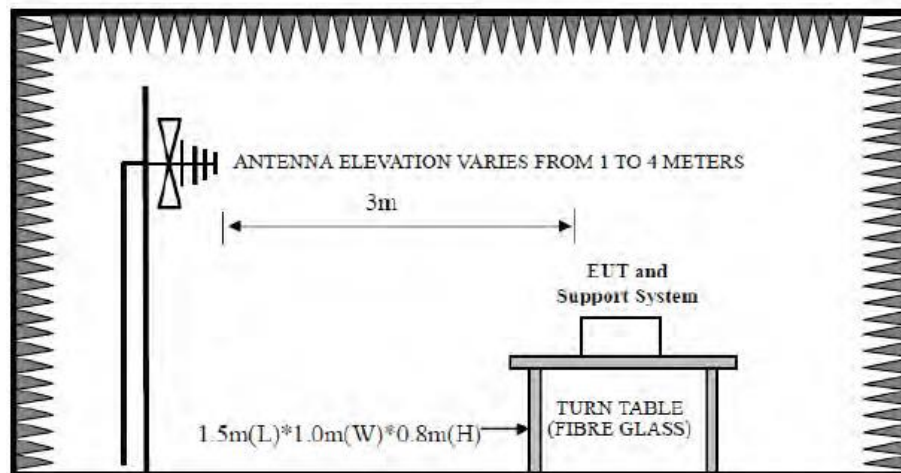
- (1) Emission level dB μ V = 20 log Emission level μ V/m.
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

8.2. Test Setup

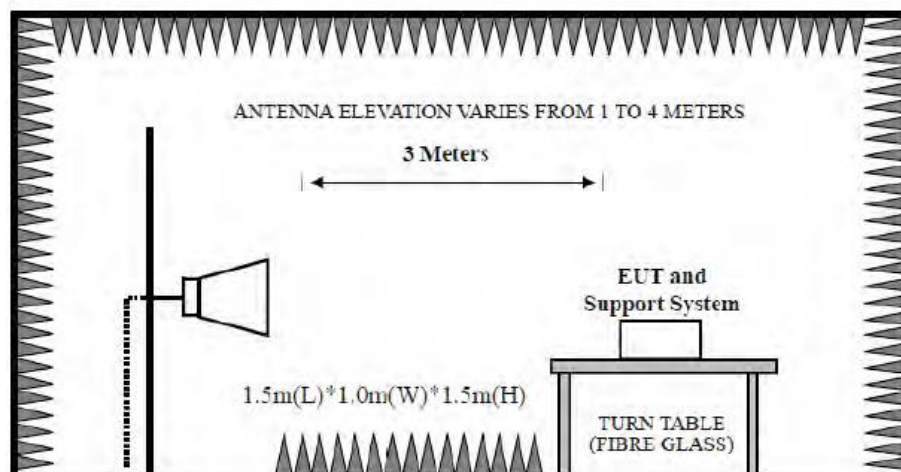
9kHz~30MHz



30~1000MHz



Above 1GHz



8.3.Spectrum Analyzer Setting

For 9KHz-150KHz

Spectrum Parameters	Setting
RBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
VBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
Start frequency	9KHz
Stop frequency	150KHz
Sweep Time	Auto
Detector	PEAK/QP/AVG
Trace Mode	Max Hold

For 150KHz-30MHz

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

For 30MHz-1GHz

Spectrum Parameters	Setting
RBW	120KHz
VBW	300KHz
Start frequency	30MHz
Stop frequency	1GHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

For Above 1GHz

Spectrum Parameters	Setting	
RBW	1MHz	
VBW	PEAK Measurement	AVG Measurement
	3MHz	Duty cycle $\geq$ 98%,VBW=10Hz Duty cycle<98%,VBW $\geq$ 1/T
Start frequency	1GHz	
Stop frequency	25GHz	
Sweep Time	Auto	
Detector	PEAK	
Trace Mode	Max Hold	

Note :T is the on-time time of the duty cycle,when EUT transmit continuously with maximum output power,unit is seconds. reference section 2.8 for the on-time time.

8.4. Test Procedure

- a. EUT was placed on a turn table, which is 0.8 meter high above ground for below 1GHz test, and which is 1.5 meter high above ground for above 1GHz test.
- b. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
- c. Set the EUT transmit continuously with maximum output power.
- d. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
- e. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.
- f. Spectrum analyzer setting parameters in accordance with section 8.3.
- g. Repeat above procedures until all channels were measured.
- h. Record the results in the test report.

Note:

1. For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
2. The frequency 2412MHz/2422MHz/2437MHz/2452MHz/2462MHz are fundamental frequency, which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.
3. IEEE 802.11b, IEEE 802.11g, IEEE 802.11n HT20, IEEE 802.11n HT40 all have been tested, only worst case 802.11n HT40 is recorded.

8.5. Test Result

Radiated Emissions Below 1GHz

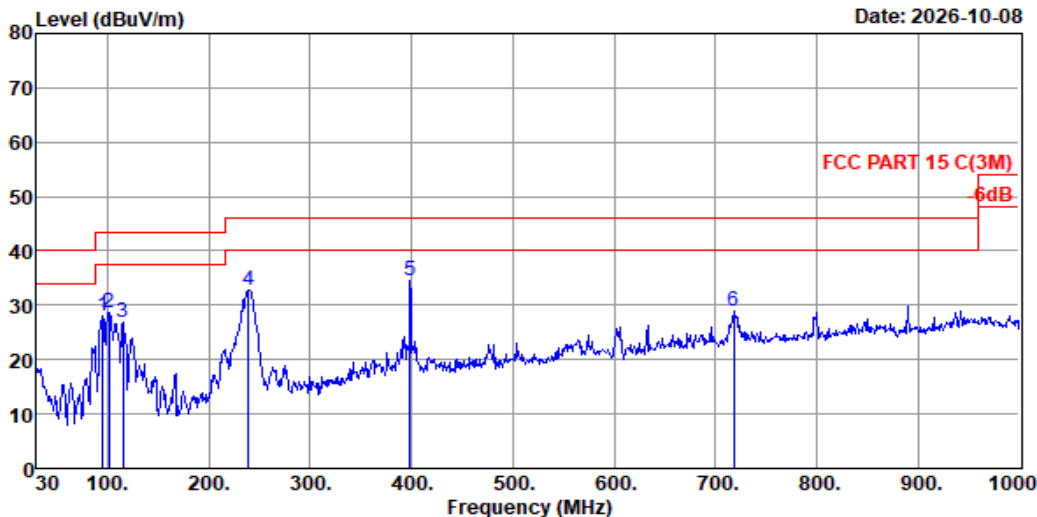
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Data: 75

File: \\EMC-966-1\test data\2026\REPORT\RF\TTCL Duomeiti\TCL.EM6 (118)

Date: 2026-10-08



Site no. : 1# 966 Chamber Data no. : 75
Dis. / Ant. : 3m 1#966 ANT 37062 Ant. pol. : VERTICAL
Limit : FCC PART 15 C(3M)
Env. / Ins. : Temp:20.3°C;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HR1601
Test Mode : TX Mode

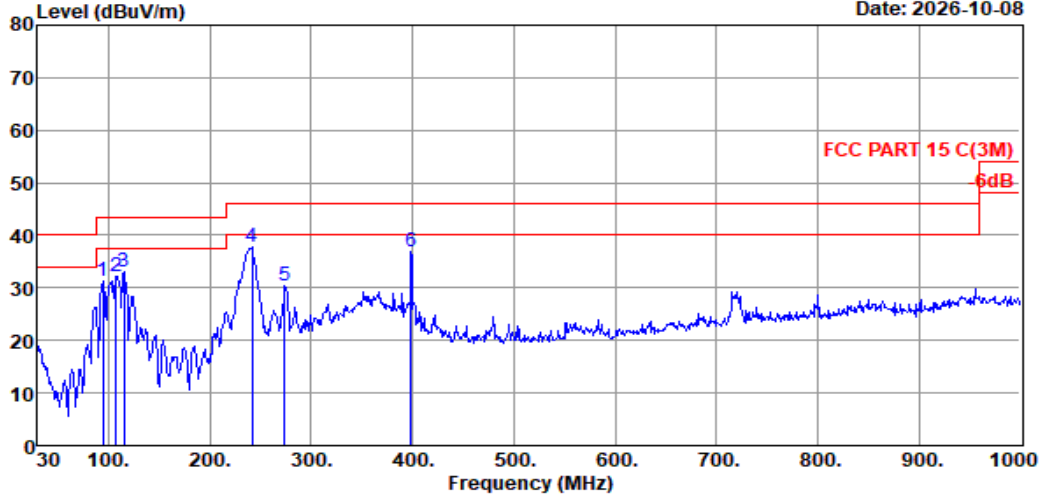
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	94.99	10.00	7.13	42.05	53.05	28.13	43.50	15.37	QP
2	101.78	11.30	7.11	42.00	52.31	28.72	43.50	14.78	QP
3	115.36	11.20	6.65	41.96	50.87	26.76	43.50	16.74	QP
4	239.52	11.18	8.05	41.66	55.19	32.76	46.00	13.24	QP
5	398.60	16.00	8.82	41.70	51.54	34.66	46.00	11.34	QP
6	717.73	21.16	10.07	41.58	39.30	28.95	46.00	17.05	QP

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

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Data: 76 File: \\EMC-966-1\test data\2026\REPORT\RF\TCL Duomeiti\TCL.EM6 (118) Date: 2026-10-08



Site no. : 1# 966 Chamber Data no. : 76
Dis. / Ant. : 3m 1#966 ANT 37062 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 C(3M)
Env. / Ins. : Temp:20.3°C;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HR1601
Test Mode : TX Mode

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	94.02	9.70	7.12	42.05	56.53	31.30	43.50	12.20	QP
2	107.60	11.10	6.91	41.98	56.22	32.25	43.50	11.25	QP
3	115.36	11.20	6.65	41.96	57.25	33.14	43.50	10.36	QP
4	241.46	11.42	8.06	41.66	59.85	37.67	46.00	8.33	QP
5	273.47	12.44	8.23	41.62	51.36	30.41	46.00	15.59	QP
6	398.60	16.00	8.82	41.70	53.63	36.75	46.00	9.25	QP

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

Note:

1. The amplitude of 9KHz to 30MHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
2. All channels had been pre-test, only the worst case was reported.



Radiated Emissions Above 1G

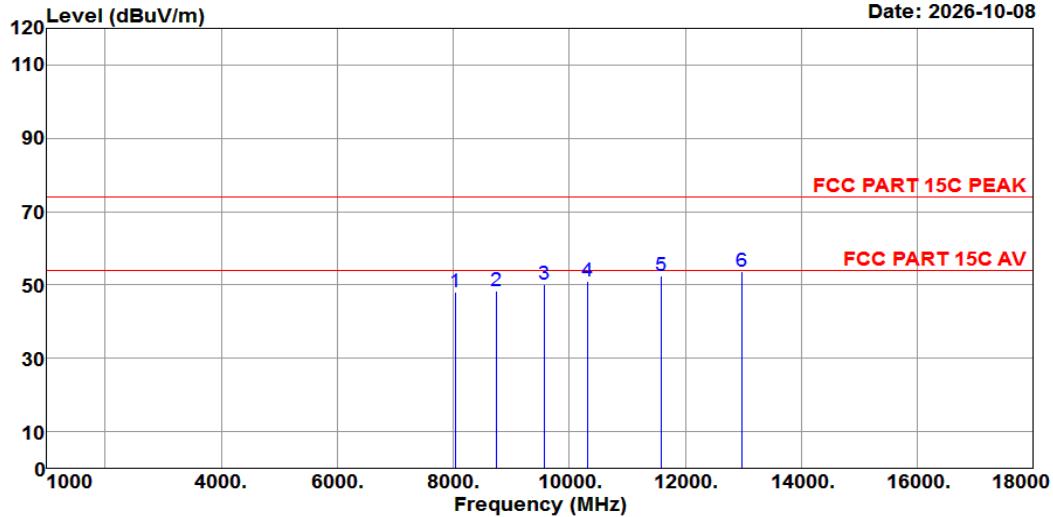
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Data: 101

File: \\EMC-966-1\\test data\\2026\\REPORT\\RF\\T\\TCL Duomeiti\\TCL.EM6 (122)

Date: 2026-10-08



Site no. : 1# 966 Chamber Data no. : 101
Dis. / Ant. : 3m 5#966 ANT 1002 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:20.3°C;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HR1601
Test Mode : IEEE 802.11n HT40 TX 2452MHz
Sample No. :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	8038.00	37.50	10.68	40.29	40.10	47.99	74.00	26.01	Peak
2	8752.00	38.00	11.08	40.15	39.56	48.49	74.00	25.51	Peak
3	9568.00	39.13	11.54	39.76	39.26	50.17	74.00	23.83	Peak
4	10316.00	39.55	12.00	39.24	38.75	51.06	74.00	22.94	Peak
5	11591.00	40.32	12.81	38.40	37.81	52.54	74.00	21.46	Peak
6	12985.00	39.87	13.80	36.73	36.62	53.56	74.00	20.44	Peak

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



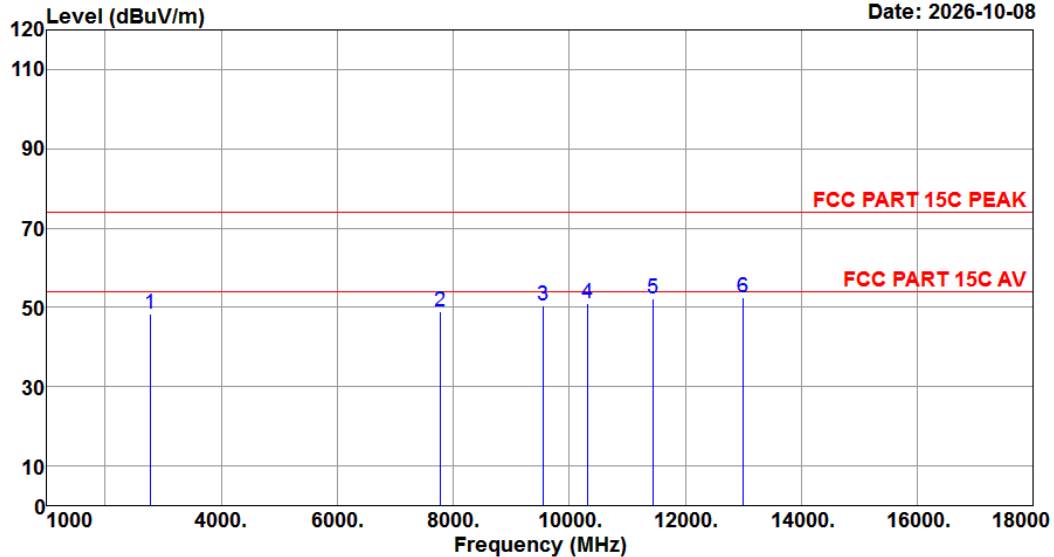
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Data: 102

File: \\EMC-966-1\\test data\\2026\\REPORT\\RF\\TCL Duomeiti\\TCL.EM6 (122)

Date: 2026-10-08



Site no. : 1# 966 Chamber Data no. : 102
Dis. / Ant. : 3m 5#966 ANT 1002 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HR1601
Test Mode : IEEE 802.11n HT40 TX 2452MHz
Sample No. :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2785.00	28.77	6.15	41.48	54.82	48.26	74.00	25.74	Peak
2	7766.00	36.50	10.42	40.47	42.43	48.88	74.00	25.12	Peak
3	9551.00	39.20	11.53	39.77	39.44	50.40	74.00	23.60	Peak
4	10316.00	39.55	12.00	39.24	38.71	51.02	74.00	22.98	Peak
5	11438.00	40.40	12.72	38.48	37.55	52.19	74.00	21.81	Peak
6	13002.00	39.90	13.81	36.70	35.42	52.43	74.00	21.57	Peak

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



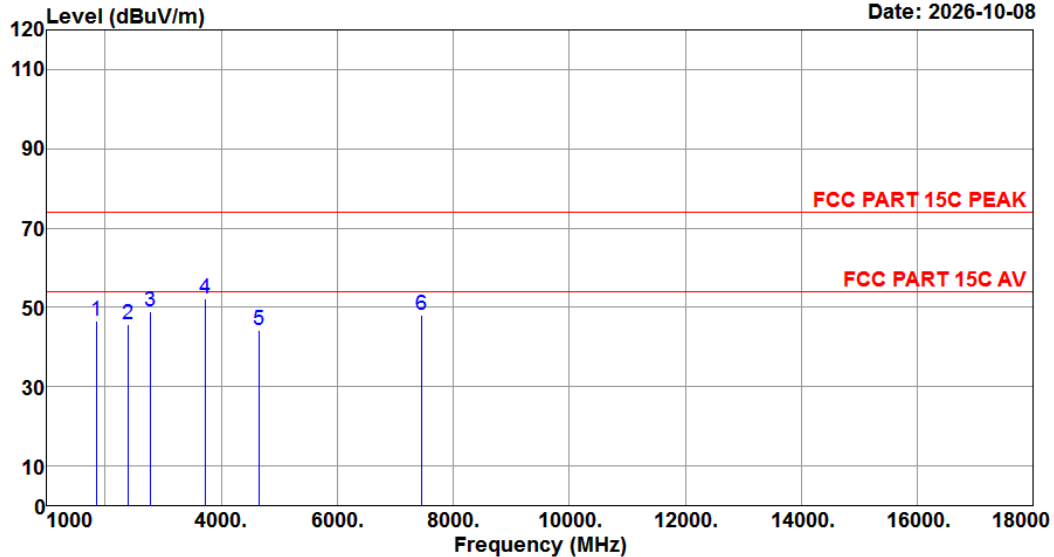
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Data: 103

File: \\EMC-966-1\test data\2026\REPORT\RF\TCL Duomeiti\TCL.EM6 (122)

Date: 2026-10-08



Site no. : 1# 966 Chamber Data no. : 103
Dis. / Ant. : 3m 5#966 ANT 1002 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HRI601
Test Mode : IEEE 802.11n HT40 TX 2437MHz
Sample No. :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1850.00	25.80	4.85	42.24	58.32	46.73	74.00	27.27	Peak
2	2394.00	27.50	5.62	41.79	54.43	45.76	74.00	28.24	Peak
3	2785.00	28.77	6.15	41.48	55.65	49.09	74.00	24.91	Peak
4	3720.00	29.63	7.05	41.37	57.01	52.32	74.00	21.68	Peak
5	4655.00	31.80	7.86	41.27	45.90	44.29	74.00	29.71	Peak
6	7443.00	36.90	10.12	40.69	41.66	47.99	74.00	26.01	Peak

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



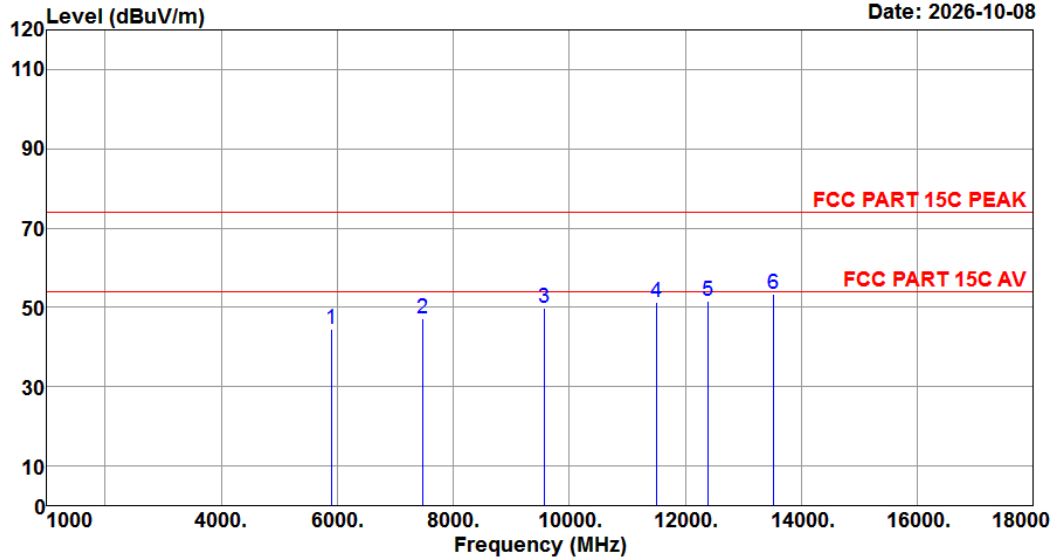
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Data: 104

File: \\EMC-966-1\test data\2026\REPORT\RF\TCL Duomeiti\TCL.EM6 (122)

Date: 2026-10-08



Site no. : 1# 966 Chamber Data no. : 104
Dis. / Ant. : 3m 5#966 ANT 1002 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HRI601
Test Mode : IEEE 802.11n HT40 TX 2437MHz
Sample No. :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	5896.00	33.00	9.01	41.11	43.50	44.40	74.00	29.60	Peak
2	7477.00	36.77	10.14	40.67	40.86	47.10	74.00	26.90	Peak
3	9568.00	39.13	11.54	39.76	38.84	49.75	74.00	24.25	Peak
4	11506.00	40.40	12.75	38.45	36.61	51.31	74.00	22.69	Peak
5	12390.00	38.78	13.44	37.62	37.07	51.67	74.00	22.33	Peak
6	13529.00	40.93	14.13	37.17	35.54	53.43	74.00	20.57	Peak

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



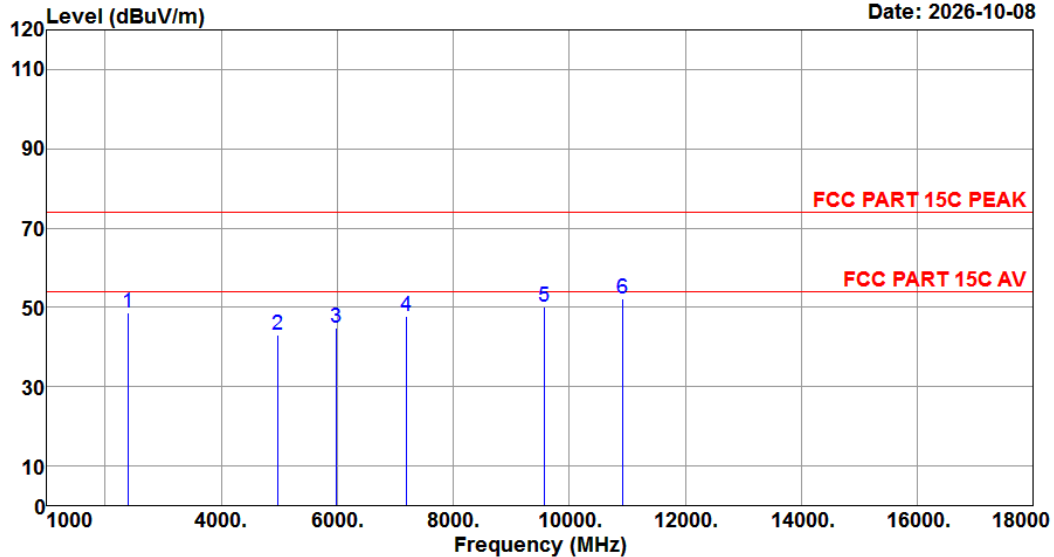
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Data: 105

File: \\EMC-966-1\\test data\\2026\\REPORT\\RF\\TCL Duomeiti\\TCL.EM6 (122)

Date: 2026-10-08



Site no. : 1# 966 Chamber Data no. : 105
Dis. / Ant. : 3m 5#966 ANT 1002 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HRI601
Test Mode : IEEE 802.11n HT40 TX 2422MHz
Sample No. :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2394.00	27.50	5.62	41.79	57.46	48.79	74.00	25.21	Peak
2	4978.00	31.63	8.21	41.20	44.30	42.94	74.00	31.06	Peak
3	5981.00	33.13	9.09	41.10	43.57	44.69	74.00	29.31	Peak
4	7188.00	36.47	9.95	40.87	42.18	47.73	74.00	26.27	Peak
5	9568.00	39.13	11.54	39.76	39.15	50.06	74.00	23.94	Peak
6	10911.00	39.62	12.45	38.77	38.96	52.26	74.00	21.74	Peak

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



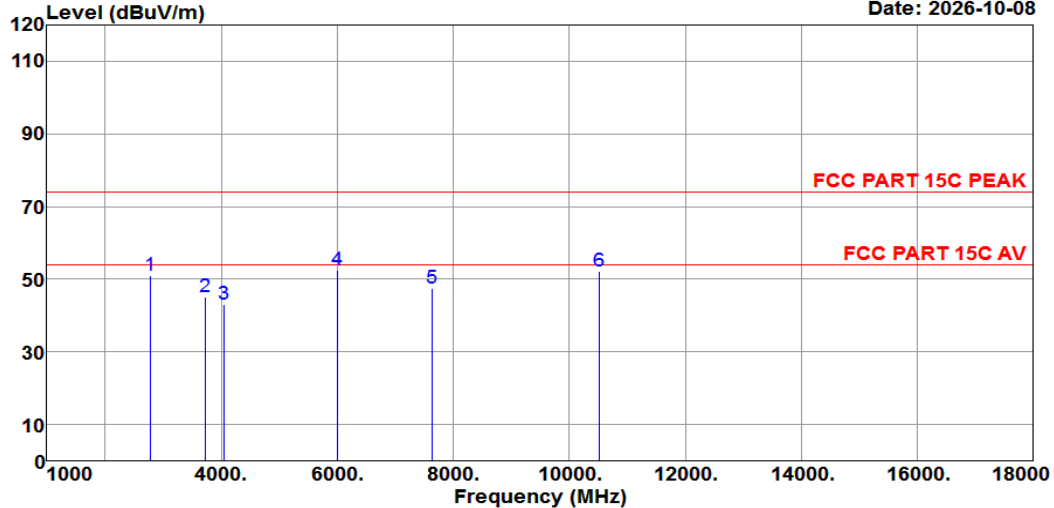
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Data: 106

File: \\EMC-966-1\test data\2026\REPORT\RF\TCL Duomeiti\TCL.EM6 (122)

Date: 2026-10-08



Site no. : 1# 966 Chamber Data no. : 106
Dis. / Ant. : 3m 5#966 ANT 1002 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HR1601
Test Mode : IEEE 802.11n HT40 TX 2422MHz
Sample No. :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2785.00	28.77	6.15	41.48	57.46	50.90	74.00	23.10	Peak
2	3720.00	29.63	7.05	41.37	49.85	45.16	74.00	28.84	Peak
3	4043.00	30.10	7.32	41.39	47.12	43.15	74.00	30.85	Peak
4	5998.00	33.10	9.11	41.10	51.52	52.63	74.00	21.37	Peak
5	7630.00	36.70	10.29	40.56	41.13	47.56	74.00	26.44	Peak
6	10520.00	39.72	12.10	39.08	39.46	52.20	74.00	21.80	Peak

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

Note:

1. The amplitude of 18GHz to 25GHz spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.

Radiated Band Edge

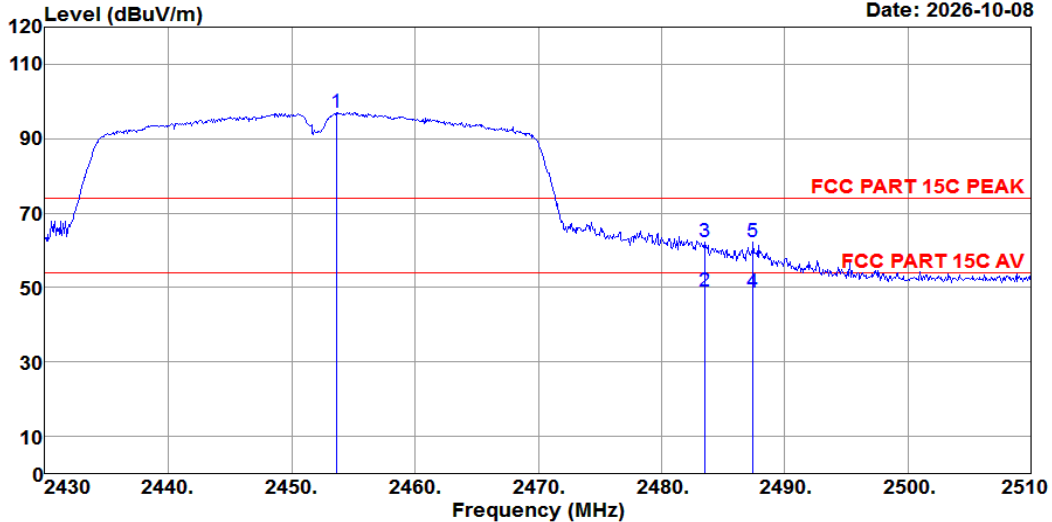
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Data: 13

File: \\EMC-966-1\test data\2026\REPORT\RF\TCL Duomeiti\TCL.EM6 (122)

Date: 2026-10-08



Site no. : 1# 966 Chamber Data no. : 13
Dis. / Ant. : 3m 5#966 ANT 1002 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HR1601
Test Mode : IEEE 802.11n HT40 TX 2452MHz
Sample No. :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2453.60	27.83	5.71	41.73	105.16	96.97	74.00	-22.97	Peak
2	2483.50	27.87	5.74	41.72	57.13	49.02	54.00	4.98	Average
3	2483.50	27.87	5.74	41.72	70.24	62.13	74.00	11.87	Peak
4	2487.44	27.87	5.74	41.72	56.65	48.54	54.00	5.46	Average
5	2487.44	27.87	5.74	41.72	70.27	62.16	74.00	11.84	Peak

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

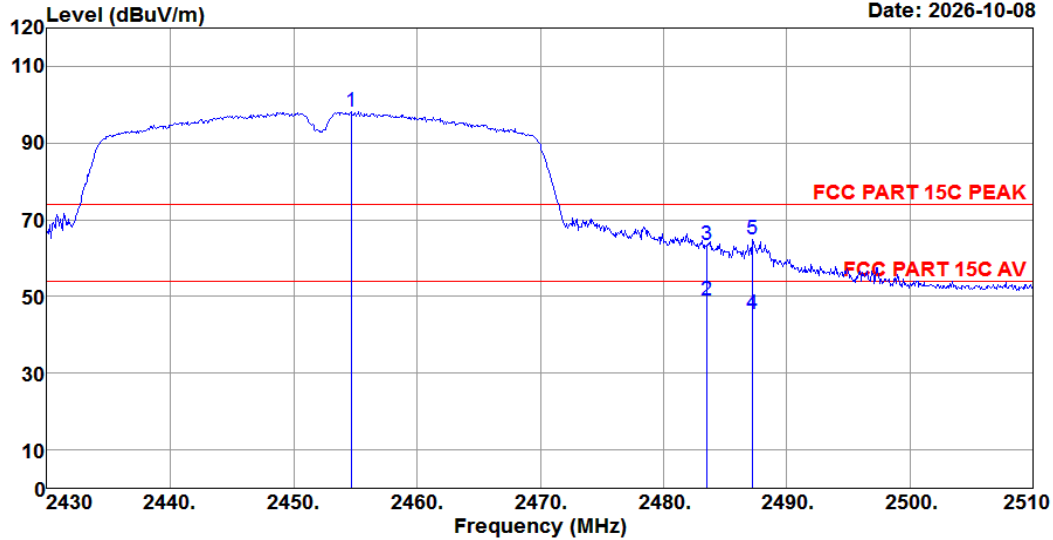


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Data: 14

File: \\EMC-966-1\test data\2026\REPORT\TRF\TCL Duomeiti\TCL.EM6 (122)



Site no. : 1# 966 Chamber Data no. : 14
Dis. / Ant. : 3m 5#966 ANT 1002 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:20.3℃;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HRI601
Test Mode : IEEE 802.11n HT40 TX 2452MHz
Sample No. :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2454.64	27.83	5.71	41.73	106.30	98.11	74.00	-24.11	Peak
2	2483.50	27.87	5.74	41.72	56.93	48.82	54.00	5.18	Average
3	2483.50	27.87	5.74	41.72	71.57	63.46	74.00	10.54	Peak
4	2487.20	27.87	5.74	41.72	53.57	45.46	54.00	8.54	Average
5	2487.20	27.87	5.74	41.72	73.00	64.89	74.00	9.11	Peak

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

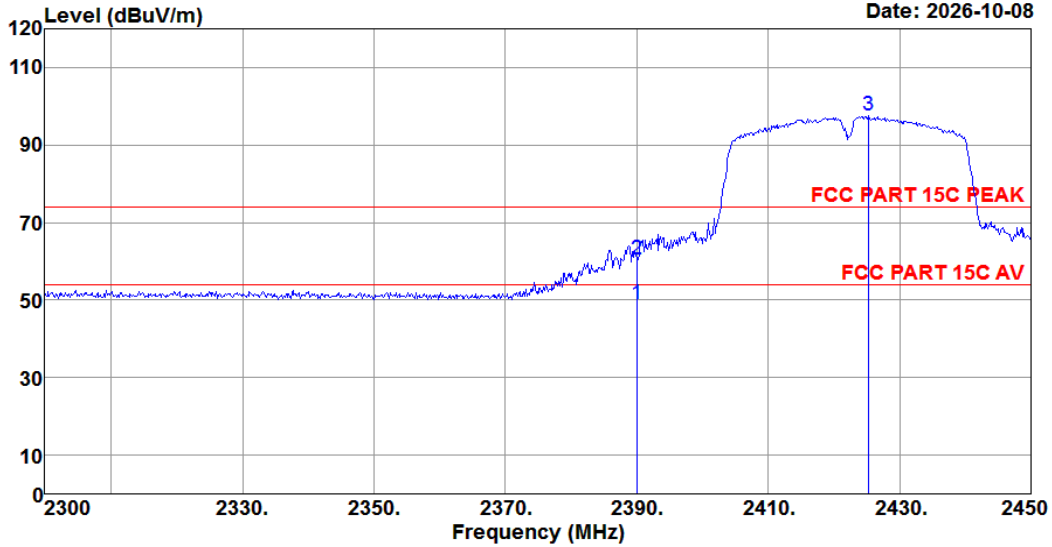
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Data: 15

File: \\EMC-966-1\test data\2026\REPORT\RF\TCL Duomeiti\TCL.EM6 (122)

Date: 2026-10-08



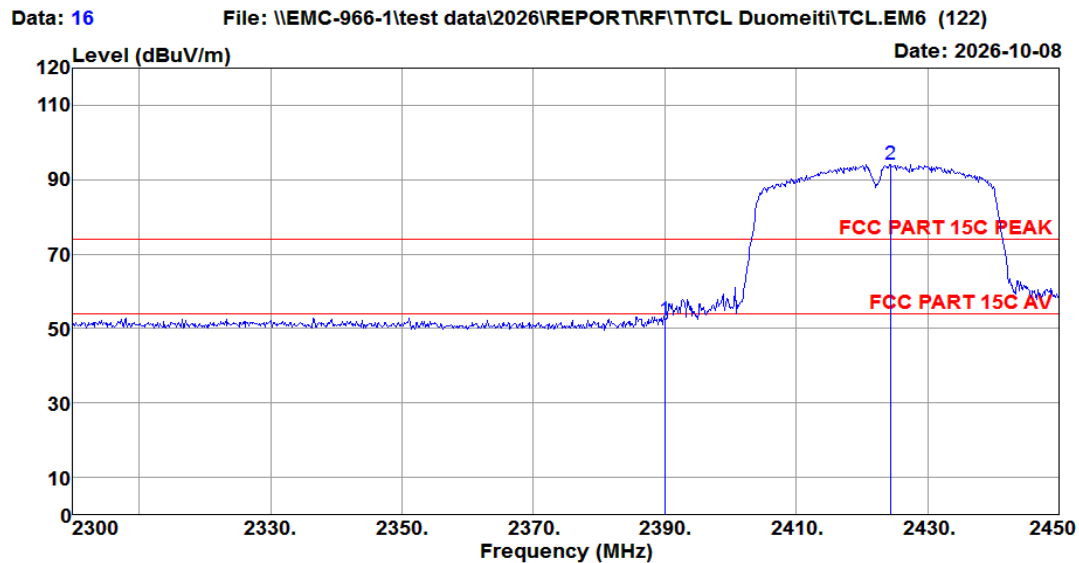
Site no. : 1# 966 Chamber Data no. : 15
Dis. / Ant. : 3m 5#966 ANT 1002 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:20.3°C;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HR1601
Test Mode : IEEE 802.11n HT40 TX 2422MHz
Sample No. :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.50	5.62	41.79	57.71	49.04	54.00	4.96	Average
2	2390.00	27.50	5.62	41.79	68.99	60.32	74.00	13.68	Peak
3	2425.25	27.70	5.66	41.76	105.89	97.49	74.00	-23.49	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
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. : 1# 966 Chamber Data no. : 16
Dis. / Ant. : 3m 5#966 ANT 1002 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:20.3°C;Humi:49%;Press:101.55kPa
Engineer : Aiden Yan
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HR1601
Test Mode : IEEE 802.11n HT40 TX 2422MHz
Sample No. :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.00	27.50	5.62	41.79	60.74	52.07	74.00	21.93	Peak
2	2424.35	27.70	5.66	41.76	102.56	94.16	74.00	-20.16	Peak

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

Note:

1. All channels had been pre-test, only of the worst case channels were reported.

9.AC POWER LINE CONDUCTED EMISSIONS

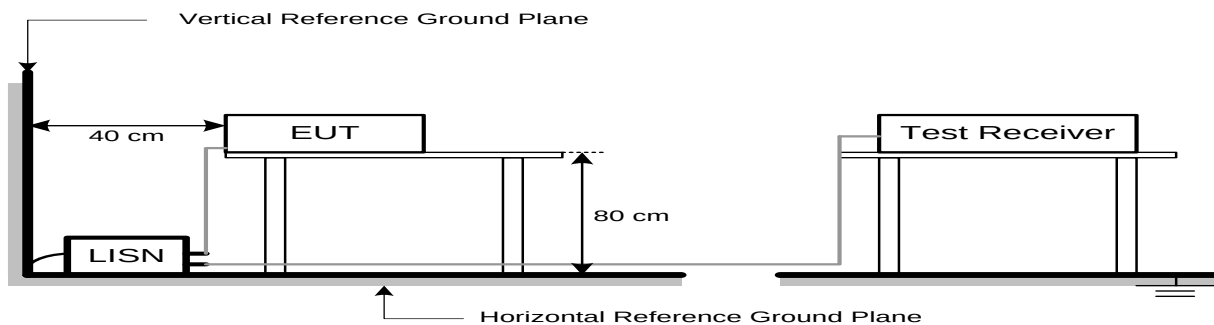
9.1.Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Note:

1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

9.2.Test Setup



9.3.Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP/AVG
Trace Mode	Max Hold

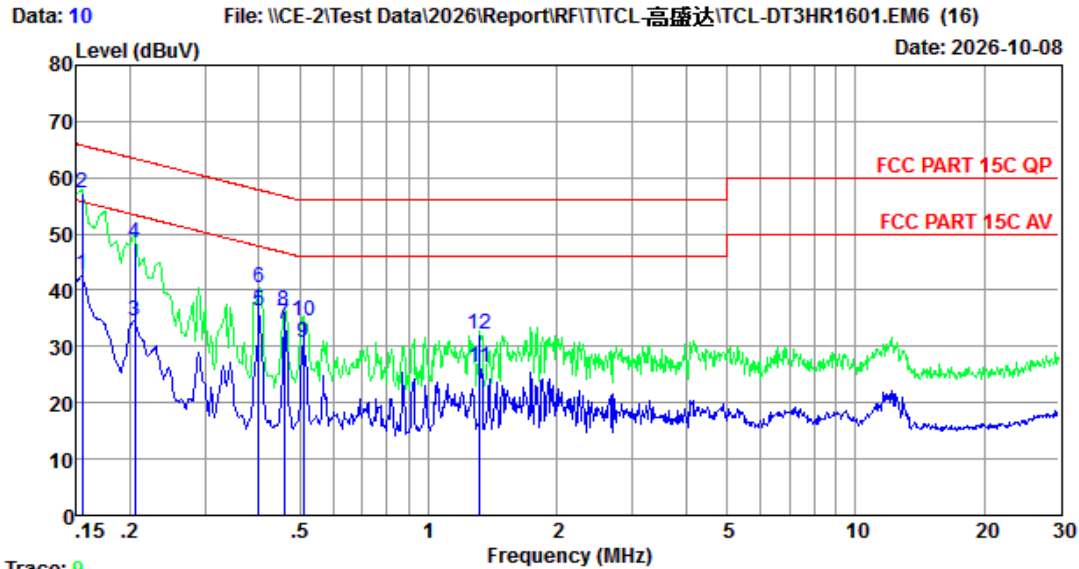
9.4.Test Procedure

- a. The EUT was placed on a non-metallic table, 80cm above the ground plane.
- b. The EUT Power connected to the power mains through a line impedance stabilization network.
- c. Provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs).
- d. Set the EUT transmit continuously with maximum output power.
- e. Spectrum analyzer setting parameters in accordance with section 9.3.
- f. The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2020 on Conducted Emission Test.
- g. Record the results in the test report.

9.5. Test Result

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Site no : 2#CE Shield Room Data no. : 10
Env. / Ins. : Temp:24.5℃;Humi:60%;Press:101.20kPa LINE Phase : LINE
Limit : FCC PART 15C QP
Engineer : Dylan Cai
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HR1601
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (db)	Cable Loss (db)	Reading dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.15	10.02	9.88	22.86	42.76	55.74	12.98	Average
2	0.15	10.02	9.88	37.32	57.22	65.74	8.52	QP
3	0.21	9.95	9.88	14.75	34.58	53.40	18.82	Average
4	0.21	9.95	9.88	28.51	48.34	63.40	15.06	QP
5	0.40	9.97	9.89	16.47	36.33	47.86	11.53	Average
6	0.40	9.97	9.89	20.49	40.35	57.86	17.51	QP
7	0.46	9.96	9.89	14.04	33.89	46.71	12.82	Average
8	0.46	9.96	9.89	16.44	36.29	56.71	20.42	QP
9	0.51	9.96	9.89	10.86	30.71	46.00	15.29	Average
10	0.51	9.96	9.89	14.59	34.44	56.00	21.56	QP
11	1.32	9.99	9.92	6.27	26.18	46.00	19.82	Average
12	1.32	9.99	9.92	12.33	32.24	56.00	23.76	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when using a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

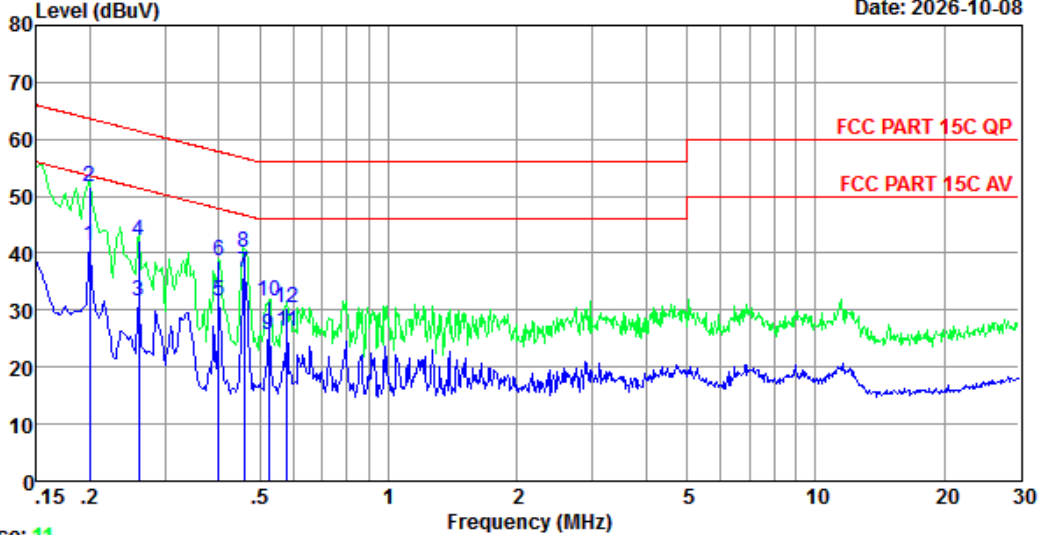
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Data: 12

File: \\CE-2\Test Data\2026\Report\RF\TCL-高盛达\TCL-DT3HR1601.EM6 (16)

Date: 2026-10-08



Trace: 11

Site no : 2#CE Shield Room Data no. : 12
Env. / Ins. : Temp:24.5℃;Humi:60%;Press:101.20kPa LINE Phase : NEUTRAL
Limit : FCC PART 15C QP
Engineer : Dylan Cai
EUT : WIFI+BT Module
Power : DC 3.3V
M/N : DT3HR1601
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (db)	Cable Loss (db)	Reading dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.20	9.97	9.88	21.59	41.44	53.62	12.18	Average
2	0.20	9.97	9.88	31.91	51.76	63.62	11.86	QP
3	0.26	9.96	9.88	11.63	31.47	51.42	19.95	Average
4	0.26	9.96	9.88	22.42	42.26	61.42	19.16	QP
5	0.40	9.93	9.89	11.78	31.60	47.86	16.26	Average
6	0.40	9.93	9.89	18.75	38.57	57.86	19.29	QP
7	0.46	9.93	9.89	16.70	36.52	46.71	10.19	Average
8	0.46	9.93	9.89	20.43	40.25	56.71	16.46	QP
9	0.52	9.93	9.89	5.76	25.58	46.00	20.42	Average
10	0.52	9.93	9.89	11.65	31.47	56.00	24.53	QP
11	0.58	9.94	9.89	6.41	26.24	46.00	19.76	Average
12	0.58	9.94	9.89	10.54	30.37	56.00	25.63	QP

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. Margin= Limit - Emission Level.
3. If the average limit is met when using a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

10.ANTENNA REQUIREMENTS

10.1.Limit

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. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

10.2.Test Result

The antennas used for this product is Metal antenna, so compliance with antenna requirements. (Please refer to the EUT photo for details)

11.TEST SETUP PHOTO

Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)





12.EUT PHOTO

Refer to report no. ESTE-R2609324

End of Test Report