





RF TEST REPORT

Applicant iRay Technology Co., Ltd.

FCC ID 2ACHK-01070189

Product Portable X-ray System

Brand iRayTechnology

Model Canis014D07

Report No. R2201A0051-R2V1

Issue Date June 14, 2022

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15E (2021)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Prepared by: Peng Tao

Approved by: Kai Xu

TA Technology (Shanghai) Co., Ltd.

No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China TEL: +86-021-50791141/2/3 FAX: +86-021-50791141/2/3-8000



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Version	Revision description	Issue Date		
Rev.0	Initial issue of report.	May 12, 2022		
Rev.1	Update data.	June 14, 2022		

Note: This revised report (Report No. R2201A0051-R2V1) supersedes and replaces the previously issued report (Report No. R2201A0051-R2). Please discard or destroy the previously issued report and dispose of it accordingly.



Summary of measurement results

Number	Test Case	Clause in FCC rules	Verdict
1	Unwanted Emissions	15.407(b)	PASS
2	Conducted Emissions	15.207	PASS

Date of Testing: March 3, 2022 ~ March 15, 2022 Date of Sample Received: February 14, 2022

Note: PASS: The EUT complies with the essential requirements in the standard.

FAIL: The EUT does not comply with the essential requirements in the standard.

All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai)

Co., Ltd. based on interpretations and/or observations of test results. Measurement

Uncertainties were not taken into account and are published for informational purposes only.

Only Unwanted Emissions and Conducted Emissions are tested in this report. Other test items refer to the Module report WIFI-2-V897EA1 (Report No.: R1905A0235-R2).

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1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology** (shanghai) co., Ltd. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.

Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong

City: Shanghai

Post code: 201201

Country: P. R. China

Contact: Xu Kai

Telephone: +86-021-50791141/2/3

Fax: +86-021-50791141/2/3-8000

Website: http://www.ta-shanghai.com

E-mail: xukai@ta-shanghai.com



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2. General Description of Equipment under Test

2.1. Applicant and Manufacturer Information

Applicant	iRay Technology Co., Ltd.	
Applicant address	RM 202, Building 7, No. 590, Ruiqing RD.,Pudong, Shanghai, China	
Manufacturer	iRay Imaging Technology (Haining) Limited	
Manufacturer address	No. 2, Caohejing RD., Haining 314499, Jiaxing, Zhejiang, P.R.China	

2.2. General information

FUT Decement on				
EUT Description				
Model	Canis014D07			
SN	CA14010100127221001			
Hardware Version	1.0			
Software Version	1.0407			
Power Supply	AC adapter			
Antenna Type	Internal Antenna			
Antenna Gain	2.03 dBi			
Operating Frequency Benga(a)	U-NII-1: 5150MHz-5250MHz			
Operating Frequency Range(s)	U-NII-3: 5725MHz -5850MHz			
Modulation Type	802.11a/n (HT20/HT40) : OFDM			
Modulation Type	802.11ac (VHT20/VHT40/VHT80): OFDM			
Testing temperature range:	-20 ° C to 50° C			
Operating temperature range:	10 ° C to 40° C			
State AC voltage:	18V			
	EUT Accessory			
Adaptor	Manufacturer: Shenzhen Longxc Power Supply Co.,Ltd.			
Adapter	Model: LXCP61-024300			
Battery	Manufacturer: iRay Technology Co., Ltd.			
Dattery	Model: BATTERY-KS			

Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.

2. This device support automatically discontinue transmission, while the device is not transmitting any information, the device can automatically discontinue transmission and become standby mode for power saving. The device can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards:

FCC CFR47 Part 15E (2021) Unlicensed National Information Infrastructure Devices
ANSI C63.10 (2013)

Reference standard:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01





4. Test Configuration

Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates are shown as following table.

Mode	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0



Wireless Technology and Frequency Range

Wireless Technology		Bandwidth	Channel	Frequency	
			36	5180MHz	
		20 MHz	40	5200MHz	
		ZU WITZ	44	5220MHz	
	U-NII-1		48	5240MHz	
		40 MHz	38	5190MHz	
		40 IVITZ	46	5230MHz	
		80 MHz	42	5210MHz	
Wi-Fi	U-NII-3		149	5745MHz	
			153	5765MHz	
		20 MHz	157	5785MHz	
			161	5805MHz	
			165	5825MHz	
		40 MHz	151	5755MHz	
		40 IVITZ	159	5795MHz	
		80 MHz	155	5775MHz	
Does this device support TPC Function? □Yes ⊠No					
Does this device support TDWR Band? □Yes ⊠No					



5. Test Case Results

5.1. Unwanted Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.

Sweep the whole frequency band range from 9kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

During the test, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Set the spectrum analyzer in the following:

9kHz~150 kHz

RBW=200Hz, VBW=1kHz/ Sweep=AUTO

150 kHz~30MHz

RBW=9KHz, VBW=30KHz,/ Sweep=AUTO

Below 1GHz

RBW=100kHz / VBW=300kHz / Sweep=AUTO

a) Peak emission levels are measured by setting the instrument as follows:

Above 1GHz

PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

b) Average emission levels are measured by setting the instrument as follows:

Above 1GHz

AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

- c) Detector: The measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
- d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)



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- e) Sweep time = auto.
- f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of 1 / D, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)
- g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
- 1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is [10 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.
- 2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is [20 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.
- 3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

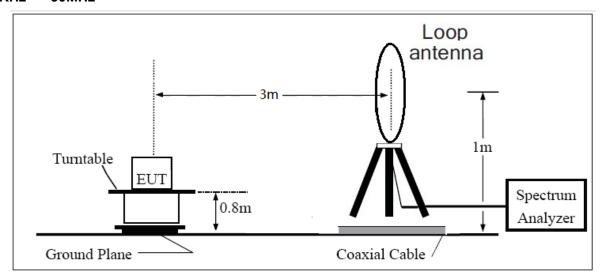
Reduce the video bandwidth until no significant variations in the displayed signal are observed in subsequent traces, provided the video bandwidth is no less than 1 Hz. For regulatory requirements that specify averaging only over the transmit duration (e.g., digital transmission system [DTS] and Unlicensed National Information Infrastructure [U-NII]), the video bandwidth shall be greater than [1 / (minimum transmitter on time)] and no less than 1 Hz.

The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the loop antenna is vertical, others antenna are vertical and horizontal.

The test is in transmitting mode.

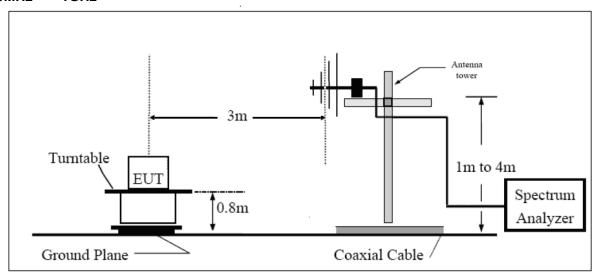


9KHz~~~30MHz

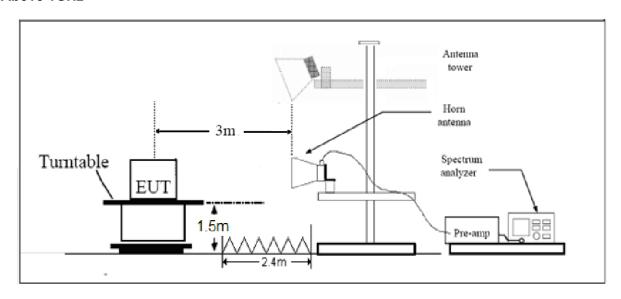


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30MHz~~~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m



- (1) For transmitters operating in the 5725-5850 MHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (2) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz(68.2dBµV/m).
- (3) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz(68.2dBµV/m).
- (4) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz(68.2dBµV/m).

Note: the following formula is used to convert the EIRP to field strength

- $\S1$, $E[dB\mu V/m] = EIRP[dBm] 20 log(d[meters]) + 104.77, where E = field strength and$
- d = distance at which field strength limit is specified in the rules;
- $[2 \times E[dB\mu V/m] = EIRP[dBm] + 95.2$, for d = 3 meters
- (5) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table.

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
0.009-0.490	2400/F(kHz)	1
0.490-1.705	24000/F(kHz)	1
1.705–30.0	30	1
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

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MHz	MHz	MHz	GHz		
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15		
10.495 - 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)		
13.36 - 13.41					

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96.

Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.17 dB
200MHz-1GHz	4.84 dB
1-18GHz	4.35 dB
18-26.5GHz	5.90 dB
26.5GHz~40GHz	5.92 dB

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Test Results:

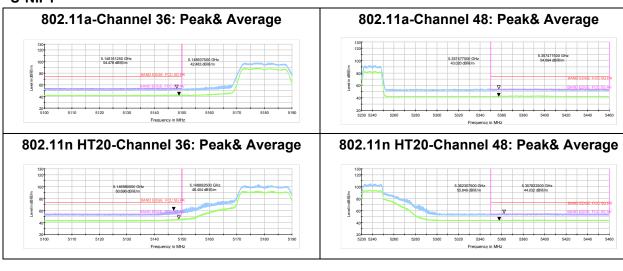
The modulation and bandwidth are similar for 802.11n mode for 20MHz/40MHz and 802.11ac mode for V20MHz/V40MHz, therefore investigated worst case to representative mode in test report.

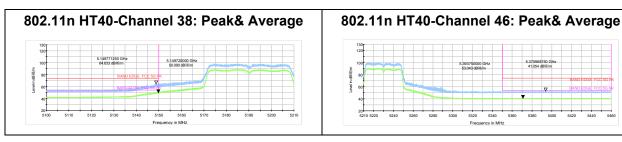
A font (Level in dB μ V/m) in the test plot =(level in dB μ V/m)

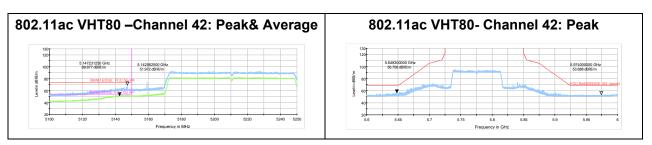
A font (Level in dB μ V/)in the test plot =(level in dB μ V/m)

The signal beyond the limit is carrier.

U-NII-1

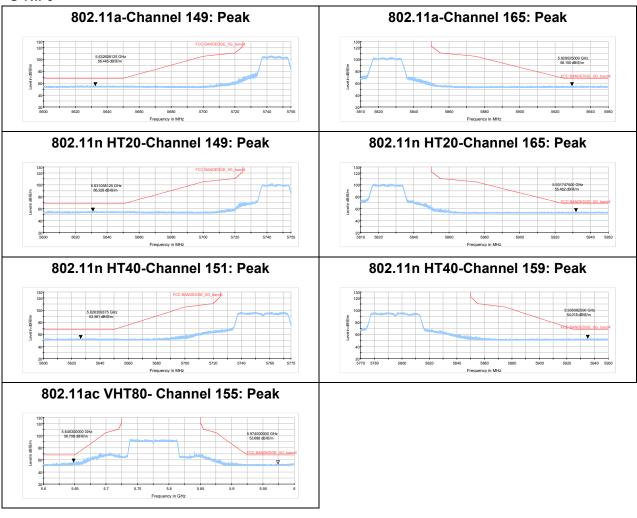








U-NII-3



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Result of RE

Test result

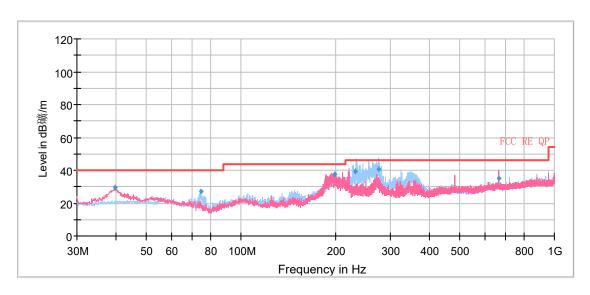
Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the Emissions in the frequency band 9kHz-30MHz and 26.5GHz-40GHz are more than 20dB below the limit are not reported.

A font (Level in dB礦/m) in the test plot =(level in dB μ V/m)

A font (Level in dB μ V/) in the test plot =(level in dB μ V/m)

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11a CH149are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Continuous TX mode:



Radiates Emission from 30MHz to 1GHz

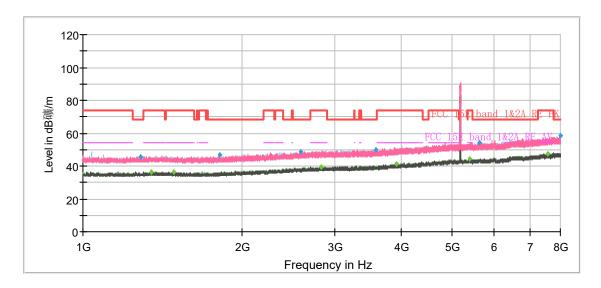
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
39.54	29.36	118.0	V	0.00	14	10.64	40.00
74.58	26.78	225.0	Н	142.00	8	13.22	40.00
199.80	37.72	125.0	Н	323.00	12	5.78	43.50
231.77	39.53	125.0	Н	92.00	13	6.47	46.00
274.36	40.76	125.0	Н	118.00	14	5.24	46.00
666.19	35.19	100.0	V	334.00	22	10.81	46.00

Remark: 1. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

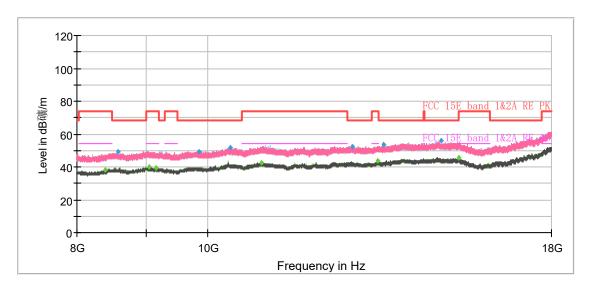
2. Margin = Limit - Quasi-Peak

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802.11a CH36



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



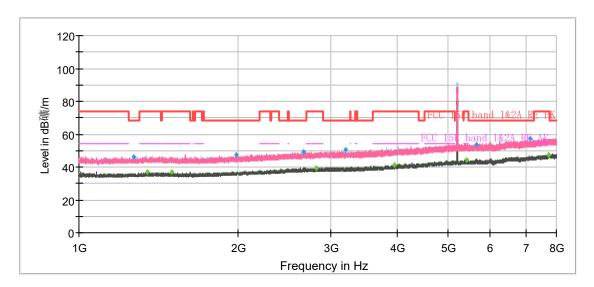
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1283.97	45.48		68.20	22.72	200.0	V	318.00	-8
1346.97		36.49	54.00	17.51	100.0	V	264.00	-7
1482.53		36.40	54.00	17.60	200.0	Н	3.00	-7
1816.20	46.56		68.20	21.64	100.0	V	211.00	-6
2578.03	48.55		68.20	19.65	200.0	Н	128.00	-4
2820.23		39.62	54.00	14.38	100.0	V	48.00	-3
3579.50	49.78		68.20	18.42	100.0	Н	0.00	-3
3923.67		41.48	54.00	12.52	200.0	V	227.00	-2
5387.83		44.34	54.00	9.66	200.0	V	348.00	3
5609.73	53.95		68.20	14.25	100.0	Н	0.00	3
7575.80		47.57	54.00	6.43	100.0	Н	81.00	7
7989.27	58.30		68.20	9.90	100.0	V	99.00	8

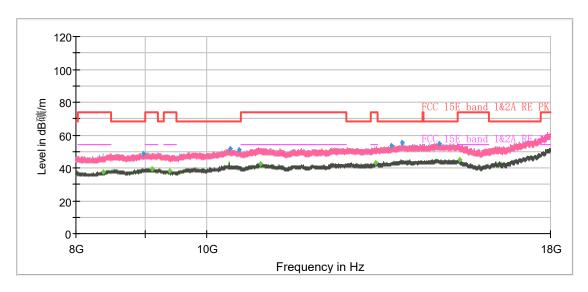
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11a CH40



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



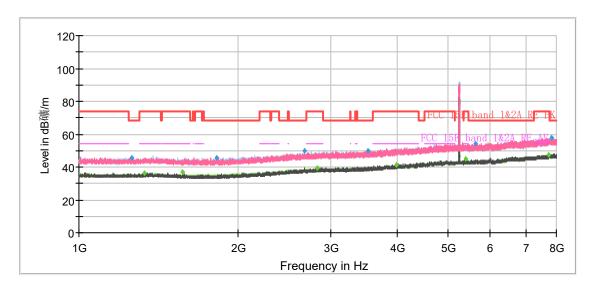
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1270.67	46.03		68.20	22.17	200.0	Н	108.00	-8
1347.43		37.03	54.00	16.97	100.0	V	266.00	-7
1500.03		36.87	54.00	17.13	100.0	V	266.00	-7
1983.50	47.08		68.20	21.12	200.0	Н	108.00	-5
2654.10	49.12		68.20	19.08	200.0	V	0.00	-4
2812.30		39.60	54.00	14.40	200.0	Н	0.00	-3
3187.50	50.76		68.20	17.44	200.0	V	259.00	-3
3952.60		41.40	54.00	12.60	200.0	Н	0.00	-1
5402.53		44.14	54.00	9.86	200.0	Н	29.00	3
5640.53	53.80		68.20	14.40	200.0	Н	0.00	3
7128.50	57.51		68.20	10.69	200.0	V	355.00	7
7717.20		47.50	54.00	6.50	200.0	V	233.00	7

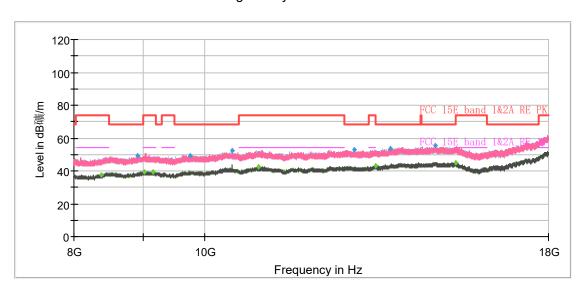
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11a CH48



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



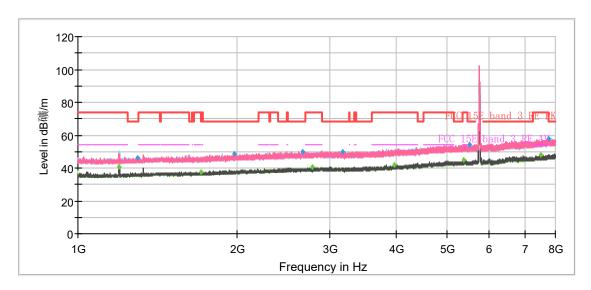
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1257.37	45.34		68.20	22.86	200.0	Н	18.00	-8
1331.10		36.43	54.00	17.57	100.0	Н	107.00	-8
1571.43		36.70	54.00	17.30	100.0	Н	270.00	-6
1821.10	45.66		68.20	22.54	100.0	V	22.00	-6
2665.53	49.56		68.20	18.64	100.0	V	1.00	-3
2825.60		39.18	54.00	14.82	200.0	Н	322.00	-3
3523.50	50.12		68.20	18.08	100.0	V	8.00	-3
3986.20		41.29	54.00	12.71	200.0	Н	0.00	-1
5382.23		44.64	54.00	9.36	100.0	V	183.00	3
5632.13	54.11		68.20	14.09	200.0	V	358.00	3
7727.93		47.66	54.00	6.34	200.0	V	0.00	7
7827.33	57.61		68.20	10.59	100.0	V	183.00	7

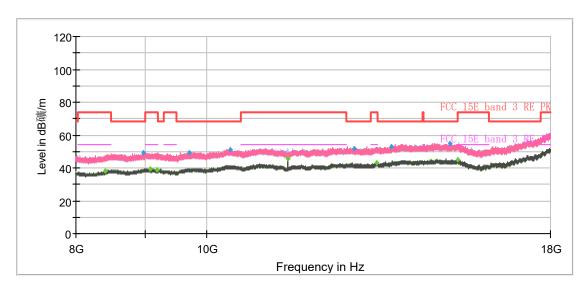
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11a CH149



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



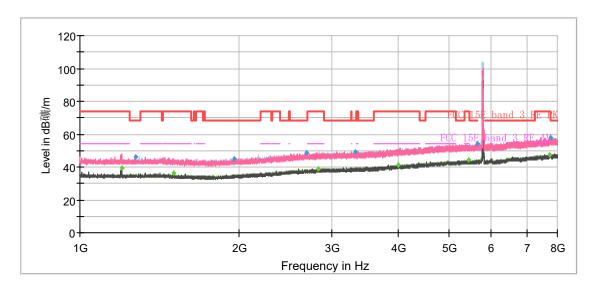
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1197.63		40.69	54.00	13.31	100.0	Н	172.00	-9
1294.47	46.33		68.20	21.87	100.0	V	300.00	-8
1709.33		37.67	54.00	16.33	100.0	Н	0.00	-6
1974.40	48.54		68.20	19.66	200.0	V	24.00	-5
2660.87	50.11		68.20	18.09	200.0	Н	192.00	-3
2774.03		40.52	54.00	13.48	200.0	Н	0.00	-4
3169.07	50.12		68.20	18.08	100.0	Н	11.00	-3
3960.77		41.78	54.00	12.22	200.0	V	38.00	-1
5366.37		44.65	54.00	9.35	200.0	V	3.00	3
5494.23	54.07		68.20	14.13	200.0	Н	271.00	3
7499.50		48.17	54.00	5.83	200.0	V	5.00	7
7775.53	58.00		68.20	10.20	100.0	Н	158.00	7

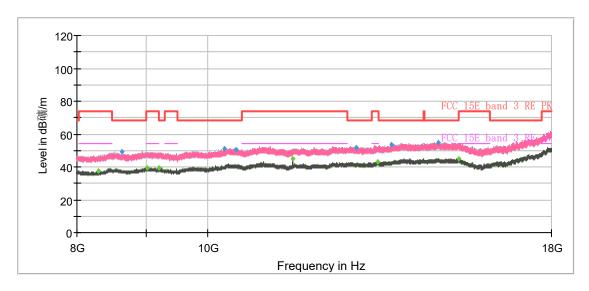
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11a CH157



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

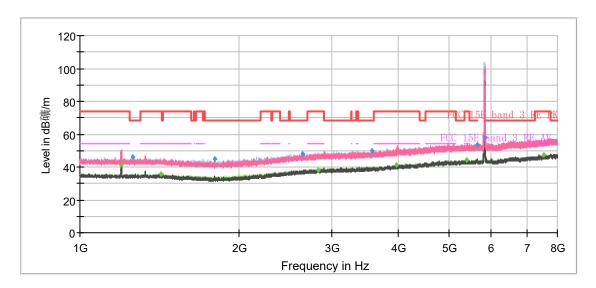


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1199.27		39.58	54.00	14.42	100.0	V	137.00	-9
1272.53	46.35		68.20	21.85	100.0	V	296.00	-8
1505.40		36.32	54.00	17.68	100.0	Н	235.00	-7
1956.43	45.14		68.20	23.06	200.0	Н	285.00	-5
2683.03	48.46		68.20	19.74	100.0	Н	9.00	-4
2817.43		38.85	54.00	15.15	100.0	Н	85.00	-3
3324.47	49.47		68.20	18.73	200.0	V	72.00	-3
3996.23		41.01	54.00	12.99	100.0	Н	73.00	-1
5427.03		44.17	54.00	9.83	100.0	Н	192.00	3
5634.00	53.86		68.20	14.34	200.0	Н	285.00	3
7748.47		47.63	54.00	6.37	200.0	V	2.00	7
7769.70	57.73		68.20	10.47	100.0	Н	0.00	7

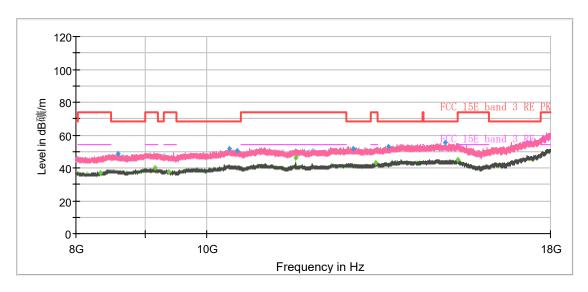
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11a CH165



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



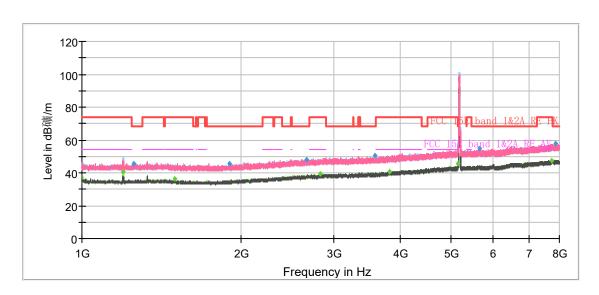
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1196.23		41.08	54.00	12.92	200.0	V	165.00	-9
1260.63	46.25		68.20	21.95	100.0	Н	359.00	-8
1422.80		35.40	54.00	18.60	100.0	Н	0.00	-7
1801.50	44.86		68.20	23.34	200.0	V	2.00	-6
2638.47	48.30		68.20	19.90	200.0	Н	267.00	-4
2816.73		38.46	54.00	15.54	100.0	V	0.00	-3
3559.90	49.76		68.20	18.44	100.0	V	82.00	-3
3967.30		41.22	54.00	12.78	200.0	V	247.00	-1
5385.03		44.06	54.00	9.94	200.0	V	4.00	3
5634.23	53.83		68.20	14.37	100.0	Н	305.00	3
5851.23	57.84		68.20	10.36	200.0	Н	255.00	4
7551.53		47.50	54.00	6.50	200.0	V	97.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

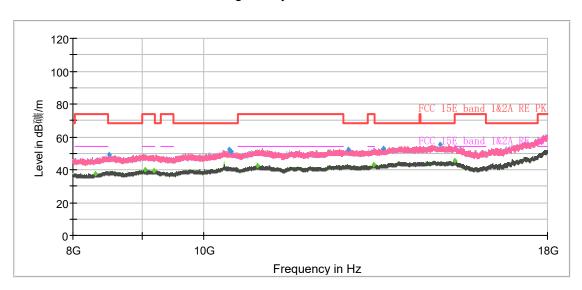


802.11n (HT20) CH36



Report No.: R2201A0051-R2V1

Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

TA-MB-04-006R

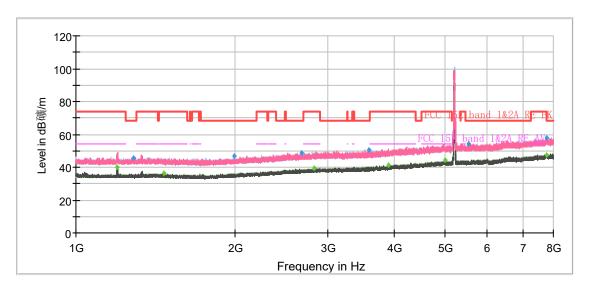


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1195.77		40.60	54.00	13.40	200.0	Н	191.00	-9
1253.17	45.50		68.20	22.70	200.0	V	0.00	-8
1499.33		36.39	54.00	17.61	100.0	Н	71.00	-7
1901.13	45.48		68.20	22.72	100.0	V	317.00	-5
2659.00	48.27		68.20	19.93	200.0	V	3.00	-3
2823.27		39.38	54.00	14.62	200.0	Н	285.00	-3
3582.30	50.26		68.20	17.94	200.0	Н	312.00	-3
3814.00		40.92	54.00	13.08	100.0	Н	124.00	-2
5148.20		45.24	54.00	8.76	200.0	Н	191.00	2
5635.40	54.58		68.20	13.62	200.0	V	294.00	3
7745.20		47.59	54.00	6.41	200.0	Н	218.00	7
7871.20	58.00		68.20	10.20	200.0	V	182.00	7

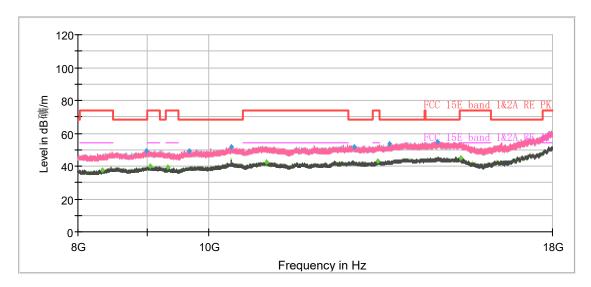
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

RF Test Report No.: R2201A0051-R2V1

802.11n (HT20) CH40



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



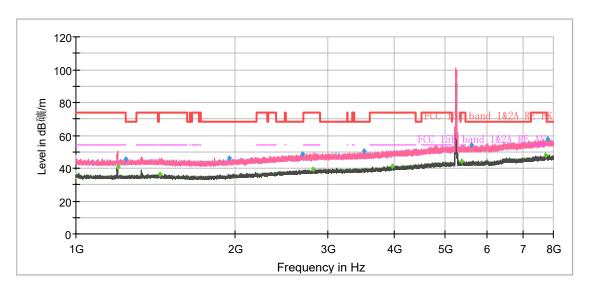
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1197.63		40.04	54.00	13.96	200.0	V	265.00	-9
1282.57	45.43		68.20	22.77	200.0	V	156.00	-8
1463.40		36.08	54.00	17.92	100.0	V	351.00	-7
1992.60	46.48		68.20	21.72	200.0	V	143.00	-5
2666.47	48.68		68.20	19.52	200.0	Н	355.00	-3
2822.57		39.12	54.00	14.88	200.0	V	335.00	-3
3586.97	50.24		68.20	17.96	100.0	V	357.00	-3
3896.83		41.27	54.00	12.73	100.0	V	359.00	-2
4990.70		44.04	54.00	9.96	200.0	V	0.00	2
5530.40	54.23		68.20	13.97	100.0	Н	156.00	3
7749.17		47.29	54.00	6.71	200.0	V	335.00	7
7779.03	57.88		68.20	10.32	100.0	V	355.00	7

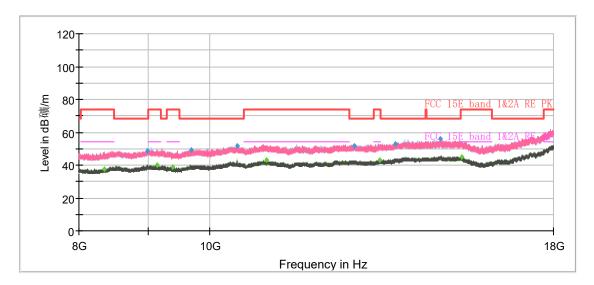
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

RF Test Report No.: R2201A0051-R2V1

802.11n (HT20) CH48



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



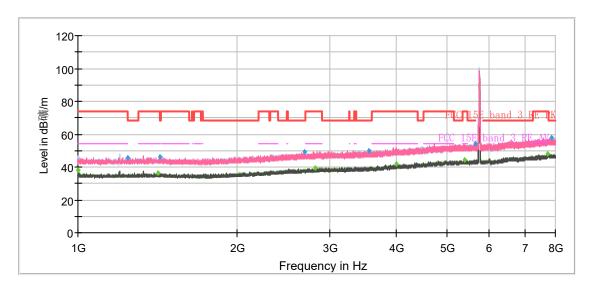
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1198.33		40.40	54.00	13.60	200.0	V	164.00	-9
1244.30	45.53		68.20	22.67	200.0	V	247.00	-8
1440.30		36.15	54.00	17.85	100.0	V	301.00	-7
1948.50	46.05		68.20	22.15	200.0	V	205.00	-5
2676.73	48.32		68.20	19.88	100.0	V	0.00	-3
2811.60		39.21	54.00	14.79	100.0	Н	49.00	-3
3511.13	50.35		68.20	17.85	200.0	Н	177.00	-3
3966.37		41.38	54.00	12.62	200.0	Н	260.00	-1
5374.07		44.37	54.00	9.63	200.0	Н	67.00	3
5605.53	53.93		68.20	14.27	100.0	V	359.00	3
7733.30		47.92	54.00	6.08	100.0	V	352.00	7
7806.80	57.90		68.20	10.30	200.0	Н	136.00	7

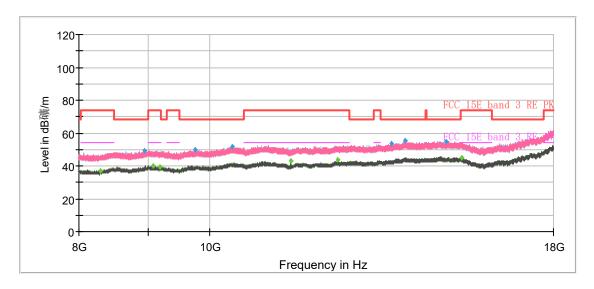
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11n (HT20) CH149



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



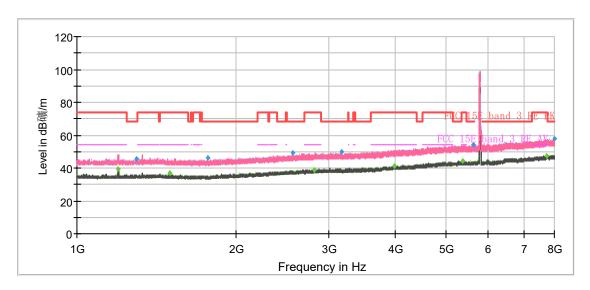
Radiates Emission from 8GHz to 18GHz



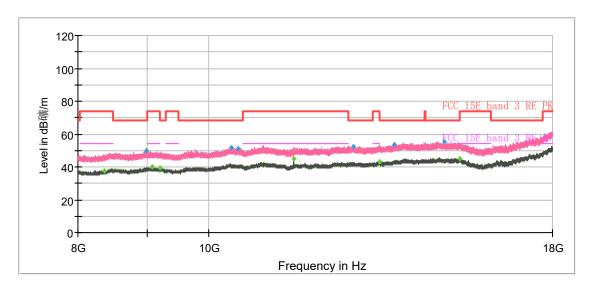
Correct Frequency Limit Height Polari **Azimuth** Peak Average Margin **Factor** (MHz) (dBuV/m) (dBuV/m) (dBuV/m) (dB) (cm) zation (deg) (dB) 1000.23 38.25 54.00 15.75 100.0 Н 248.00 -10 1241.50 45.37 68.20 22.83 100.0 Η 44.00 -8 17.94 -7 1416.50 36.06 54.00 200.0 Н 262.00 1427.23 45.90 68.20 22.30 200.0 Н 24.00 -7 68.20 200.0 V 0.00 -4 2684.20 49.19 19.01 ---2811.37 39.32 54.00 14.68 200.0 Н 82.00 -3 3550.80 100.0 -3 50.14 68.20 18.06 Η 290.00 3993.90 41.62 54.00 12.38 200.0 ٧ 278.00 -1 5376.17 44.03 54.00 9.97 200.0 ٧ 88.00 3 5638.90 53.96 68.20 14.24 200.0 Η 67.00 3 7 7740.30 6.31 Н 47.69 54.00 200.0 82.00 7878.90 57.56 68.20 10.64 200.0 V 74.00 7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH157



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



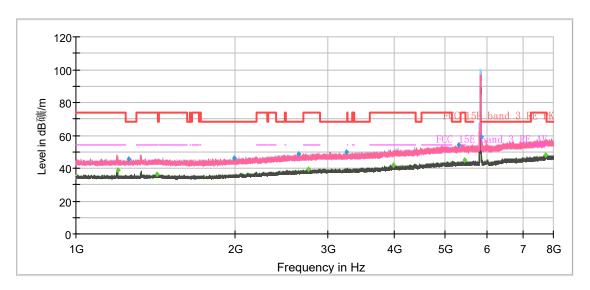
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1194.60		39.41	54.00	14.59	200.0	Н	182.00	-9
1296.80	45.59		68.20	22.61	200.0	Н	222.00	-8
1499.33		36.99	54.00	17.01	100.0	V	352.00	-7
1769.30	45.86		68.20	22.34	200.0	V	350.00	-6
2559.37	49.04		68.20	19.16	200.0	Н	236.00	-4
2813.93		39.05	54.00	14.95	200.0	Н	356.00	-3
3165.33	49.69		68.20	18.51	200.0	Н	358.00	-3
3978.27		41.26	54.00	12.74	200.0	V	126.00	-1
5366.13		44.24	54.00	9.76	100.0	Н	102.00	3
5623.50	53.96		68.20	14.24	100.0	Н	115.00	3
7736.80		47.67	54.00	6.33	200.0	V	86.00	7
7990.90	57.79		68.20	10.41	200.0	Н	356.00	8

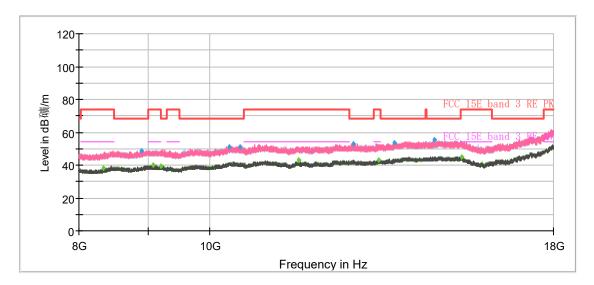
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

RF Test Report No.: R2201A0051-R2V1

802.11n (HT20) CH165



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



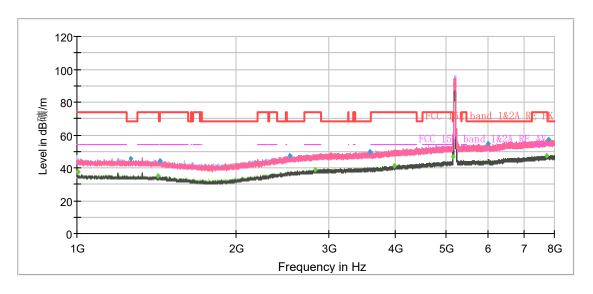
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1198.10		38.86	54.00	15.14	100.0	Н	234.00	-9
1260.17	45.30		68.20	22.90	100.0	Н	8.00	-8
1425.37		36.23	54.00	17.77	200.0	Н	204.00	-7
1994.93	46.22		68.20	21.98	200.0	V	321.00	-5
2633.10	48.44		68.20	19.76	100.0	V	259.00	-4
2751.40		39.17	54.00	14.83	200.0	Н	298.00	-4
3244.90	49.86		68.20	18.34	200.0	Н	345.00	-3
3984.33		41.66	54.00	12.34	100.0	Н	290.00	-1
5302.90	54.15		68.20	14.05	100.0	Н	336.00	2
5424.00		44.62	54.00	9.38	200.0	Н	345.00	3
5850.77	59.08		68.20	9.12	200.0	Н	245.00	4
7731.43		47.80	54.00	6.20	200.0	Н	24.00	7

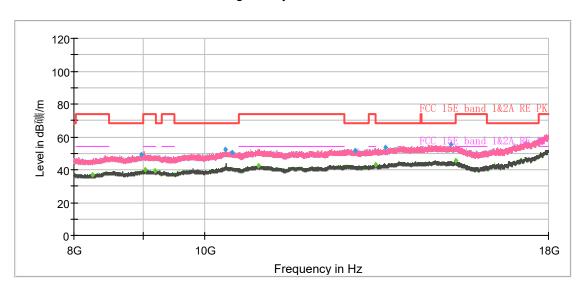
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11n (HT40) CH38



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

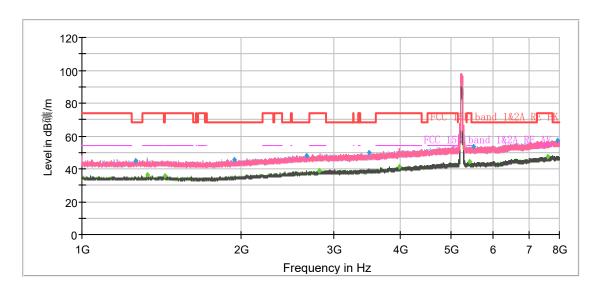


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1004.67		37.52	54.00	16.48	200.0	Н	315.00	-10
1262.73	45.43		68.20	22.77	200.0	V	88.00	-8
1421.17		34.87	54.00	19.13	200.0	Н	54.00	-7
1434.47	44.14		68.20	24.06	200.0	V	9.00	-7
2532.07	47.55		68.20	20.65	100.0	Н	0.00	-4
2827.00		38.76	54.00	15.24	100.0	Н	210.00	-3
3586.97	49.78		68.20	18.42	100.0	V	87.00	-3
3981.53		41.19	54.00	12.81	200.0	Н	355.00	-1
5143.07		47.00	54.00	7.00	200.0	Н	196.00	2
5999.87	54.77		68.20	13.43	100.0	V	340.00	5
7743.80		47.68	54.00	6.32	100.0	V	359.00	7
7789.53	56.99		68.20	11.21	200.0	V	15.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

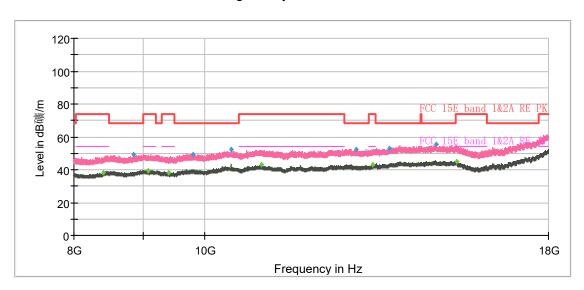


802.11n (HT40) CH46



Report No.: R2201A0051-R2V1

Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

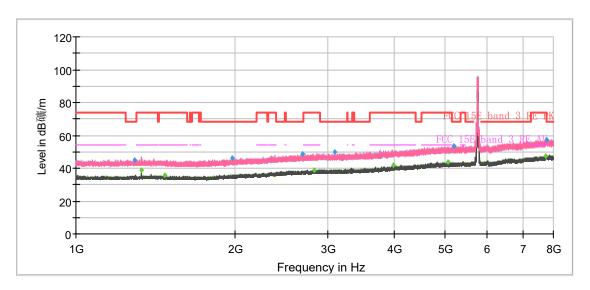
TA-MB-04-006R

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1260.87	44.96		68.20	23.24	200.0	V	315.00	-8
1327.83		36.53	54.00	17.47	100.0	V	182.00	-8
1438.20		35.67	54.00	18.33	100.0	Н	328.00	-7
1940.80	45.66		68.20	22.54	200.0	V	0.00	-5
2655.03	48.20		68.20	20.00	100.0	Н	99.00	-4
2809.50		38.89	54.00	15.11	100.0	V	264.00	-3
3495.27	49.63		68.20	18.57	200.0	V	248.00	-3
3986.43		41.21	54.00	12.79	200.0	Н	167.00	-1
5410.00		44.45	54.00	9.55	100.0	V	3.00	3
5506.60	53.61		68.20	14.59	100.0	V	359.00	3
7607.07		47.61	54.00	6.39	100.0	V	1.00	7
7925.80	57.32		68.20	10.88	200.0	V	359.00	7

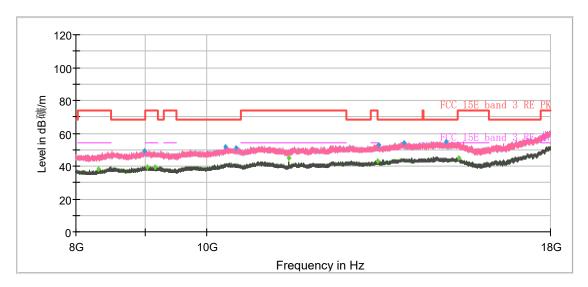
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

RF Test Report No.: R2201A0051-R2V1

802.11n (HT40) CH151



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.

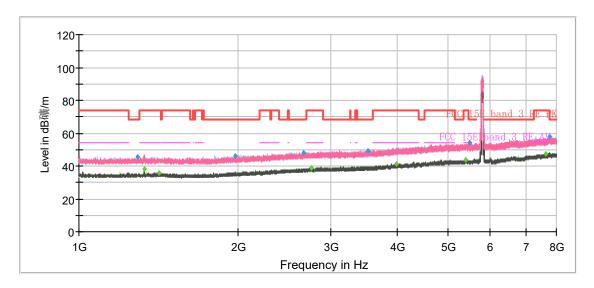


Radiates Emission from 8GHz to 18GHz

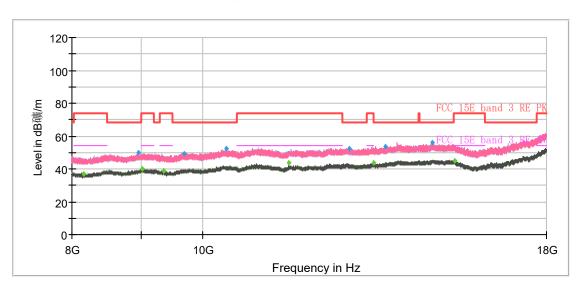
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1293.07	45.01		68.20	23.19	100.0	Н	233.00	-8
1327.83		38.47	54.00	15.53	200.0	Н	210.00	-8
1469.70		35.66	54.00	18.34	100.0	Н	345.00	-7
1971.37	46.00		68.20	22.20	100.0	Н	355.00	-5
2685.13	48.62		68.20	19.58	200.0	V	352.00	-4
2825.13		38.78	54.00	15.22	200.0	V	82.00	-3
3092.53	49.77		68.20	18.43	200.0	V	259.00	-3
3984.80		41.57	54.00	12.43	200.0	V	217.00	-1
5063.27		43.82	54.00	10.18	200.0	Н	252.00	2
5189.03	53.81		68.20	14.39	100.0	Н	149.00	2
7725.83		47.49	54.00	6.51	100.0	Н	220.00	7
7755.93	57.47		68.20	10.73	100.0	Н	357.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH159



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



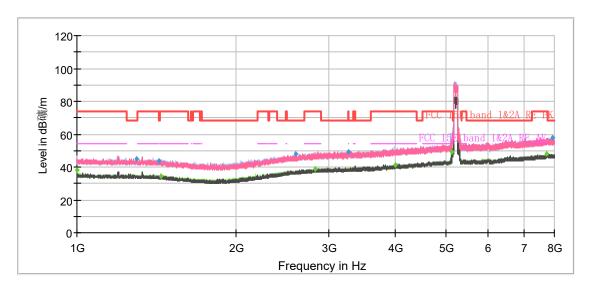
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1288.17	45.47		68.20	22.73	200.0	Н	351.00	-8
1327.83		38.16	54.00	15.84	100.0	Н	235.00	-8
1418.60		35.61	54.00	18.39	200.0	V	297.00	-7
1975.33	46.11		68.20	22.09	100.0	Н	194.00	-5
2660.17	48.23		68.20	19.97	200.0	Н	225.00	-3
2750.47		38.86	54.00	15.14	200.0	Н	49.00	-4
3522.33	49.46		68.20	18.74	200.0	Н	77.00	-3
3984.33		41.13	54.00	12.87	200.0	V	271.00	-1
5386.20		43.82	54.00	10.18	200.0	Н	144.00	3
5484.90	53.89		68.20	14.31	200.0	V	179.00	3
7647.43		47.66	54.00	6.34	200.0	V	356.00	7
7779.73	57.74		68.20	10.46	100.0	Н	235.00	7

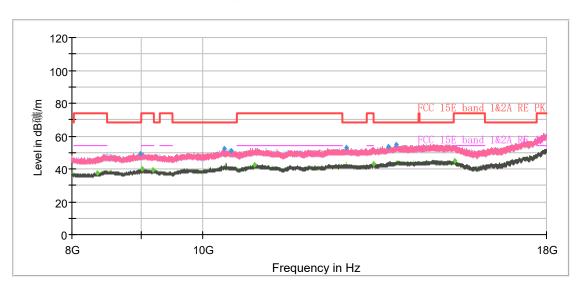
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11ac (VHT80) CH42



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

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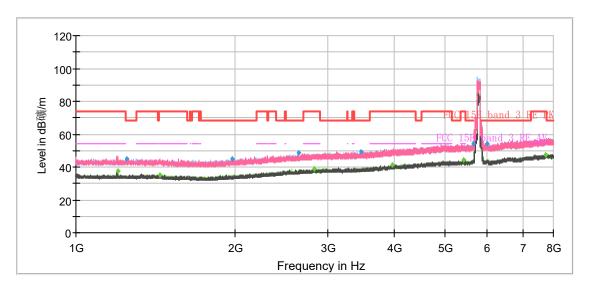


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1000.00		38.31	54.00	15.69	100.0	Н	335.00	-10
1297.27	45.11		68.20	23.09	200.0	V	0.00	-8
1429.10	43.79		68.20	24.41	100.0	Н	165.00	-7
1439.83		34.69	54.00	19.31	100.0	Н	58.00	-7
2589.00	48.04		68.20	20.16	100.0	V	353.00	-4
2823.73		38.57	54.00	15.43	100.0	V	192.00	-3
3259.13	49.41		68.20	18.79	100.0	V	82.00	-3
3999.27		41.18	54.00	12.82	100.0	V	82.00	-1
5129.07		49.02	54.00	4.98	200.0	Н	191.00	2
7748.47		47.73	54.00	6.27	200.0	V	47.00	7
7927.67	58.06		68.20	10.14	100.0	Н	0.00	7
1000.00		38.31	54.00	15.69	100.0	Н	335.00	-10

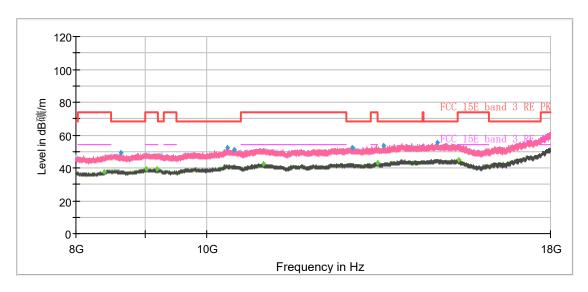
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11ac (VHT80) CH155



Radiates Emission from 1GHz to 8GHz Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

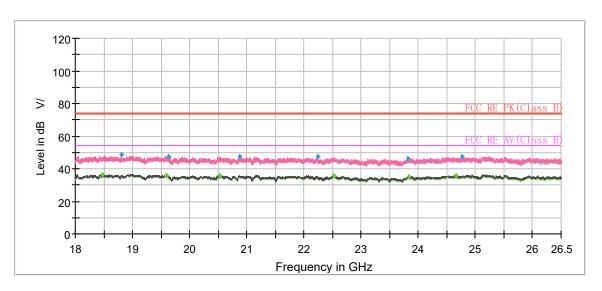
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
1198.80		37.71	54.00	16.29	100.0	V	0.00	-9
1249.43	45.00		68.20	23.20	100.0	V	1.00	-8
1441.93		35.27	54.00	18.73	200.0	Н	172.00	-7
1976.03	44.94		68.20	23.26	100.0	Н	82.00	-5
2634.27	48.43		68.20	19.77	100.0	V	0.00	-4
2827.93		38.98	54.00	15.02	200.0	V	299.00	-3
3468.43	49.28		68.20	18.92	200.0	Н	2.00	-3
3974.30		41.01	54.00	12.99	200.0	Н	0.00	-1
5405.33		44.02	54.00	9.98	100.0	Н	54.00	3
5640.30	54.08		68.20	14.12	200.0	Н	184.00	3
5997.77	53.99		68.20	14.21	100.0	V	124.00	5
7741.70		47.35	54.00	6.65	200.0	V	259.00	7

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



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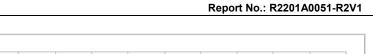
During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11a CH149 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

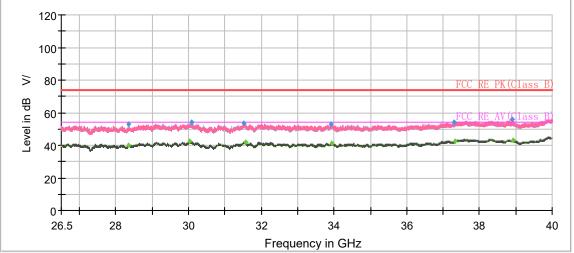


Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
18481.31		36.49	54.00	17.51	102.0	V	158.00	-2
18802.19	48.34		74.00	25.66	125.0	V	244.00	-2
19589.50		35.98	54.00	18.02	200.0	Н	158.00	-1
19621.38	47.62		74.00	26.38	197.0	V	165.00	-1
20521.31		35.67	54.00	18.33	200.0	V	233.00	0
20881.50	47.37		74.00	26.63	145.0	V	130.00	0
22243.63	47.09		74.00	26.91	200.0	V	299.00	1
22526.25		35.63	54.00	18.37	200.0	Н	151.00	2
23820.38	46.34		74.00	27.66	124.0	Н	296.00	2
23841.63		34.89	54.00	19.11	200.0	V	248.00	2
24665.06		35.73	54.00	18.27	135.0	V	228.00	3
24769.19	47.31		74.00	26.69	100.0	V	13.00	3

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)





Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polari zation	Azimuth (deg)	Correct Factor (dB)
28347.81	52.99		74.00	21.01	125.0	Н	299.00	7
28352.88		39.97	54.00	14.03	100.0	Н	232.00	7
30030.25		42.29	54.00	11.71	104.0	V	57.00	7
30094.38	54.05		74.00	19.95	115.0	V	0.00	7
31513.56	53.78		74.00	20.22	200.0	Н	349.00	8
31557.44		41.96	54.00	12.04	145.0	V	199.00	8
33913.19	53.21		74.00	20.79	108.0	V	50.00	8
33933.44		41.32	54.00	12.68	114.0	V	207.00	8
37296.63	53.88		74.00	20.12	100.0	Н	351.00	11
37333.75		42.57	54.00	11.43	200.0	V	18.00	11
38908.19	55.74		74.00	18.26	195.0	V	24.00	10
38921.69		42.89	54.00	11.11	100.0	Н	0.00	10

Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



5.2. Conducted Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

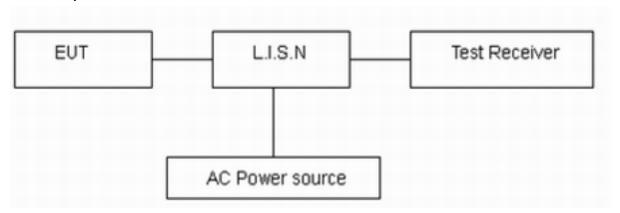
Report No.: R2201A0051-R2V1

Methods of Measurement

The EUT IS placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10.Connect the AC power line of the EUT to the LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz, VBW is set to 30kHz The measurement result should include both L line and N line.

The test is in transmitting mode.

Test Setup



Note: AC Power source is used to change the voltage 110V/60Hz.

Limits

Frequency	Conducted L	_imits(dBμV)					
(MHz)	Quasi-peak	Average					
0.15 - 0.5	66 to 56 *	56 to 46 [*]					
0.5 - 5	56	46					
5 - 30	60	50					
*: Decreases wit	Decreases with the logarithm of the frequency.						

Measurement Uncertainty

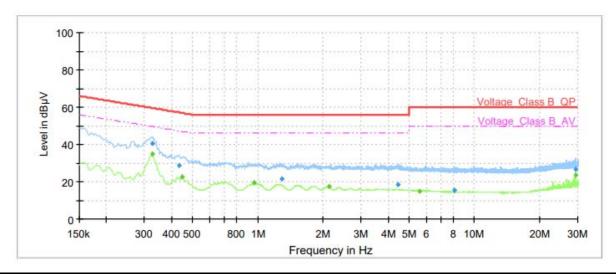
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U = 2.69 dB.



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Test Results:

Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11a CH149 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



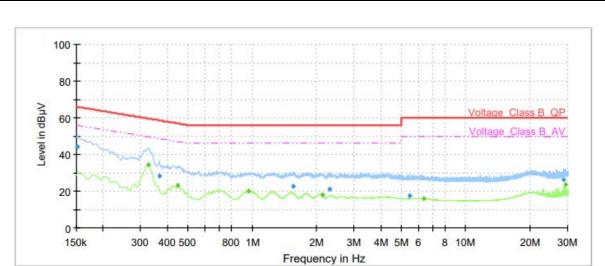
Frequency (MHz)	QuasiPeak (dΒμV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.33		34.74	49.57	14.83	1000.00	9.000	L1	ON	21
0.33	40.77		59.57	18.80	1000.00	9.000	L1	ON	21
0.43	28.51		57.23	28.72	1000.00	9.000	L1	ON	20
0.45		22.62	46.89	24.27	1000.00	9.000	L1	ON	20
0.96		19.30	46.00	26.70	1000.00	9.000	L1	ON	20
1.29	21.64		56.00	34.36	1000.00	9.000	L1	ON	20
2.12		17.20	46.00	28.80	1000.00	9.000	L1	ON	20
4.46	18.41		56.00	37.59	1000.00	9.000	L1	ON	19
5.56		15.04	50.00	34.96	1000.00	9.000	L1	ON	19
8.09	15.56		60.00	44.44	1000.00	9.000	L1	ON	20
29.24		23.43	50.00	26.57	1000.00	9.000	L1	ON	20
29.24	26.52		60.00	33.48	1000.00	9.000	L1	ON	20

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 KHz to 30 MHz

TA Technology (Shanghai) Co., Ltd.

TA-MB-04-006R



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.15	44.21		65.88	21.67	1000.00	9.000	N	ON	21
0.33		34.50	49.57	15.07	1000.00	9.000	N	ON	21
0.37	27.96		58.59	30.63	1000.00	9.000	N	ON	21
0.45		22.92	46.89	23.97	1000.00	9.000	N	ON	20
0.96		20.03	46.00	25.97	1000.00	9.000	N	ON	20
1.55	22.58		56.00	33.42	1000.00	9.000	N	ON	20
2.13		18.03	46.00	27.97	1000.00	9.000	N	ON	20
2.31	21.19		56.00	34.81	1000.00	9.000	N	ON	20
5.48	17.46		60.00	42.54	1000.00	9.000	N	ON	19
6.38		15.69	50.00	34.31	1000.00	9.000	N	ON	20
28.69	25.95		60.00	34.05	1000.00	9.000	N	ON	20
29.24		23.52	50.00	26.48	1000.00	9.000	N	ON	20

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 KHz to 30 MHz



6. Main Test Instruments

Name	Manufacturer	Туре	Serial Number	Calibration Date	Expiration Date	
Spectrum Analyzer	R&S	FSV40	100816	2021-05-15	2022-05-14	
EMI Test Receiver	R&S	ESCI7	100936	2021-12-12	2022-12-11	
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	391	2019-12-16	2022-12-15	
Horn Antenna	Schwarzbeck	BBHA 9120D	430	2021-7-26	2024-7-25	
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09	
Horn Antenna	STEATITE	QSH-SL-26-40-K -15	16779	2019-12-24	2022-12-23	
EMI Test Receiver	R&S	ESR	101667	2021-05-15	2022-05-14	
LISN	R&S	ENV216	102191	2020-12-13	2022-12-12	
Software	R&S	EMC32	10.35.10	1	1	

*****END OF REPORT *****



ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.



ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.