



FCC Part 15C Test Report

FCC ID:2A96I-GTW8103

Report Number..... : ZKT-260724L1709E-4

Date of Test..... June 09,2026~July 06, 2026

Date of issue.....: July 06, 2026

Total number of pages 19

Test Result.....: PASS

Testing Laboratory..... : Shenzhen ZKT Technology Co., Ltd.

Address 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : Shanghai UniOne Science&Technology CO., Ltd.

Address Building 4, No.651 Wanfang Road, Pujiang Town, Minhang District, Shanghai, China.

Manufacturer's name : Shanghai UniOne Science&Technology CO., Ltd.

Address Building 4, No.651 Wanfang Road, Pujiang Town, Minhang District, Shanghai, China.

Test specification:

Standard FCC CFR Title 47 Part 15 Subpart C Section 15.247
ANSI C63.10-2020+Cor 1-2023

Test procedure /

Non-standard test method N/A

Test Report Form No..... : TRF-EL-112_V0

Test Report Form(s) Originator : ZKT Testing

Master TRF : Dated: 2021-04-22

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Product name..... : Rugged Windows Tablet

Trademark N/A

Model/Type reference.....: GTW8103(Standard)

Ratings.....: Input: DC 19V 3.42A



Testing procedure and testing location:

Testing Laboratory: Shenzhen ZKT Technology Co., Ltd.

Address: 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China

Tested by (name + signature): Jim Liu

Reviewer (name + signature): Jackson Fang

Approved (name + signature): Lake Xie





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1. VERSION

Report No.	Version	Description	Approved
STS2407338W07	Rev.01	Initial issue of report	27 Aug.2024
ZKT-260724L1709E-4	Rev.02	Add series model GTW8103	06 July 2026

Remark: The differences in the additional models do not affect the RF performance, so there is no need to test the RF conduction items. The relevant data can be referred to in the original report STS2407338W07.



2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

	FCC Part15 (15.247) , Subpart C				
	Standard Section	Test Item		Result	Remark
	FCC part 15.203/15.247 (c)	Antenna requirement		PASS	
	FCC part 15.207	AC Power Line Conducted Emission		N/A	
	FCC part 15.247 (b)(3)	Conducted Peak Output Power		N/A	
	FCC part 15.247 (a)(2)	6dB Occupied Bandwidth		N/A	
	FCC part 15.247 (e)	Power Spectral Density		N/A	
	FCC part 15.247(d)	Band Edge		N/A	
	FCC part 15.205/15.209	Spurious Emission		PASS	
	ANSI C63.10-2020+Cor 1-2023	Duty cycle		N/A	

NOTE:

- (1)" N/A" denotes test is not applicable in this Test Report
- (2)The differences in the additional models do not affect the RF performance, so there is no need to test the RF conduction items. The relevant data can be referred to in the original report.



2.1 TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.
Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street,
Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 927491
Designation Number: CN1431
IC Registered No.: 27033
CAB identifier: CN0110

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	3m chamber Radiated spurious Emission (9KHz-30MHz)	U=4.5dB
2	3m chamber Radiated spurious emission (30MHz-1GHz)	U=4.8dB
3	3m chamber Radiated spurious emission (1GHz-6GHz)	U=4.9dB
4	3m chamber Radiated spurious emission (6GHz-40GHz)	U=5.0dB
5	Conducted Disturbance	U=3.2dB
6	RF Band Edge	U=1.68dB
7	RF Power Conducted	U=1.86dB
8	RF Conducted Spurious Emission	U=2.2dB
9	RF Occupied Bandwidth	U=1.8MHz
10	RF Power Spectral Density	U=1.75dB
11	Humidity Uncertainty	U=5.3%
12	Temperature Uncertainty	U=0.59°C
13	Duty Cycle	U=1.3dB



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Rugged Windows Tablet
Trade Mark:	N/A
Model No.:	GTW8103(Standard)
Serial No.:	GTW8103(Handle), GTW8103(RJ45A), GTW8103(RJ45AH) , GTW8103
Model Different.:	GTW8103(Standard) Only the host; GTW8103(Handle) Host with handle; GTW8103(RJ45A) Host with RJ45+USB 2 in 1 module; GTW8103(RJ45AH) Host with handle and RJ45+USB 2 in 1 module; The USB interface of GTW8103 is modified to an aviation connector form based on GTW8103(RJ45AH), while all other aspects remain unchanged.
Hardware Version:	E7255_MB_PCB_V20
Software Version:	R.NB.00.00.02
Sample(s) Status:	Engineer sample
Channel numbers:	802.11b/g/n/ax20:11 CH 802.11n/ax40: 7 CH
Modulation technology:	802.11b: Direct Sequence Spread Spectrum(DSSS) 802.11g/n/ax: Orthogonal Frequency Division Multiplexing(OFDM) 802.11n/ax Support MIMO
Data Rate	802.11b: 1/2/5.5/11Mbit/s 802.11g: 6/9/12/24/18/36/48/54Mbit/s 802.11n20/n40:MCS0-MCS7 802.11ax20/ax40:MCS0-MCS7
Antenna Type:	FPC Antenna
Antenna gain:	ANT1 :2.01 dBi ANT2 :2.01 dBi MIMO:5.02 dBi
Power supply:	Input: DC 19V 3.42A
Battery Capacity:	Model: BA6000 Rated Voltage:11.01V Charge Limit Voltage: 12.6V Capacity: 6000mAh Model: BA880 Rated Voltage:7.4V Charge Limit Voltage: 8.4V Capacity: 880mAh

Note1: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

Note2: The EUT's all information provided by client.



Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test channel	Frequency (MHz)	
	802.11b/g/n/ax20	802.11n/ax40
Lowest channel	2412MHz	2422MHz
Middle channel	2437MHz	2437MHz
Highest channel	2462MHz	2452MHz

3.2 DESCRIPTION OF TEST MODES

Transmitting mode	Keep the EUT in continuously transmitting mode
<p>Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.</p> <p>For battery operated equipment, the equipment tests shall be performed using a new battery.</p>	

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:					
Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.					
Mode	802.11b	802.11g	802.11n20/n40	802.11ax20/ax40	
Data rate	1Mbps	6Mbps	MCS0(HT0)	MCS0(HT0)	

RF Function	Type	Mode Or Modulation type	ANT Gain(dBi)	ANT_1 Power Class	ANT_2 Power Class
WIFI(2.4G)	2.4G WIFI	802.11b	ANT1 :2.01 ANT2 :2.01 MIMO:5.02	12.5	12.5
		802.11g		12.5	12.5
		802.11n(HT20)		12.5	12.5
		802.11n(HT40)		12.5	12.5
		802.11ax(HE20)		12.5	12.5
		802.11ax(HE40)		12.5	12.5



3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Emission



3.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
N/A	N/A	N/A	N/A	N/A	N/A

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
N/A	N/A	N/A	N/A	N/A	N/A

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) EUT is tested with new battery.



3.5EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Emissions & Radiation Spurious Emissions Test

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 20, 2025	Sep. 19, 2026
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 20, 2025	Sep. 19, 2026
3	EMI Test Receiver (9kHz-7GHz)	R&S	ESCI7	100969	4.32	Oct. 24, 2025	Oct. 23, 2026
4	Bilog Antenna (30MHz-1500MHz)	Schwarzbeck	VULB9168	00877	N/A	Sep. 20, 2025	Sep. 19, 2026
5	Horn Antenna (1GHz-18GHz)	Agilent	AH-118	071145	N/A	Sep. 20, 2025	Sep. 19, 2026
6	Horn Antenna (15GHz-40GHz)	A.H.System	SAS-574	588	N/A	Sep. 30, 2025	Sep. 29, 2026
7	Loop Antenna	TESEQ	HLA6121	58357	N/A	Sep. 20, 2025	Sep. 19, 2026
8	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	60747	N/A	Sep. 19, 2025	Sep. 18, 2026
9	Amplifier (1GHz-26.5GHz)	HuiPu	8449B	3008A00315	N/A	Sep. 19, 2025	Sep. 18, 2026
10	Amplifier (500MHz-40GHz)	QuanJuDa	DLE-161	097	N/A	Oct. 24, 2025	Oct. 23, 2026
11	Test Cable	N/A	R-01	N/A	N/A	May 25, 2026	May 24, 2027
12	Test Cable	N/A	R-02	N/A	N/A	May 25, 2026	May 24, 2027
13	Test Cable	N/A	R-03	N/A	N/A	May 25, 2026	May 24, 2027
14	D.C. Power Supply	LongWei	TPR-6405D	N/A	N/A	\	\
15	EMC Software	Frad	EZ-EMC	Ver.EMC-CO N 3A1.1	N/A	\	\
16	Turntable	MF	MF-7802BS	N/A	N/A	\	\
17	Antenna tower	MF	MF-7802BS	N/A	N/A	\	\



4. EMC EMISSION TEST

4.1 RADIATED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10-2020+Cor 1-2023				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
	150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average

4.1.1 RADIATED EMISSION LIMITS

Frequencies (MHz)	Field Strength (micровolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Limit (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).



4.1.2 TEST PROCEDURE

Below 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

- Different from above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change from table 0.8 meter to 1.5 meter (Above 18GHz the distance is 1 meter and table is 1.5 meter).
- Test the EUT in the lowest channel, the middle channel, the Highest channel

Note:

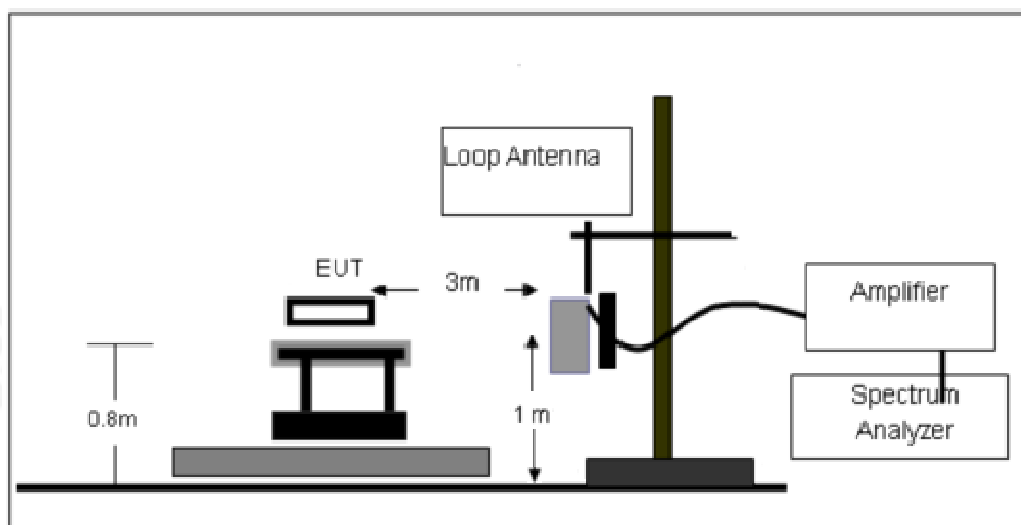
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

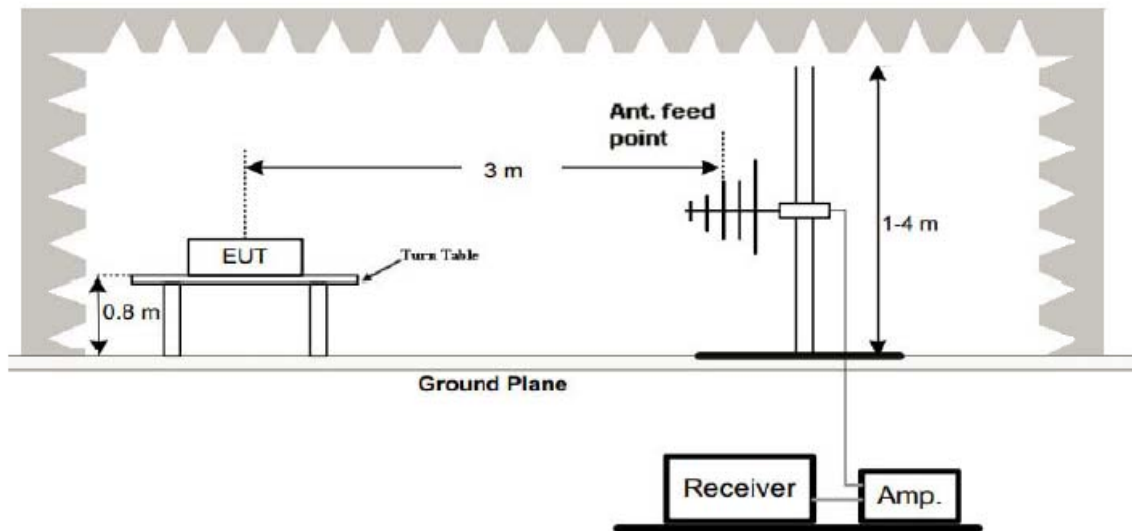
4.1.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz

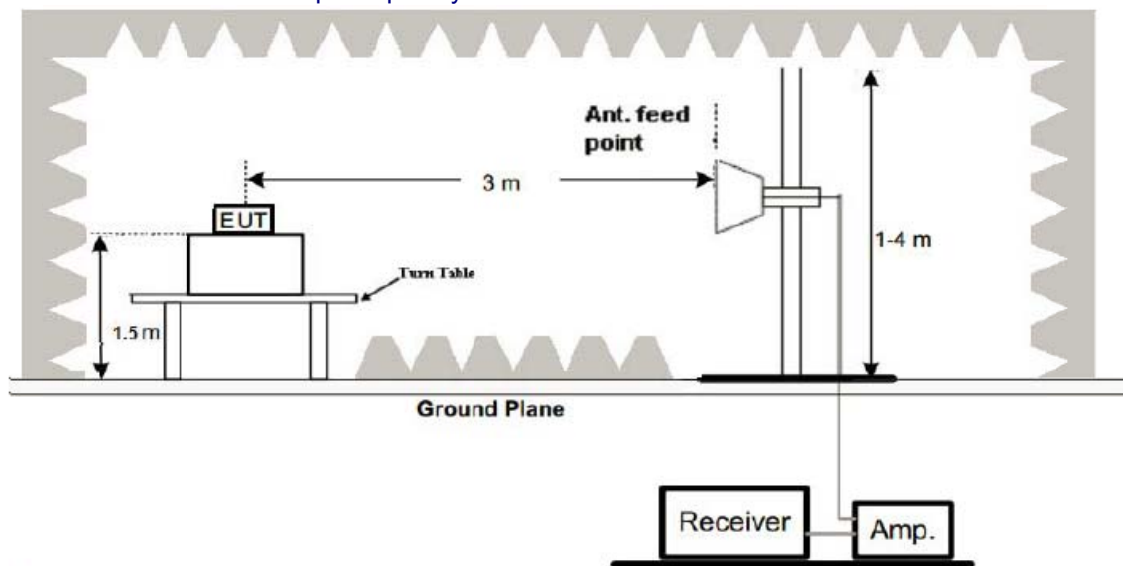




(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



4.1.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 4.2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

4.1.6 TEST RESULTS

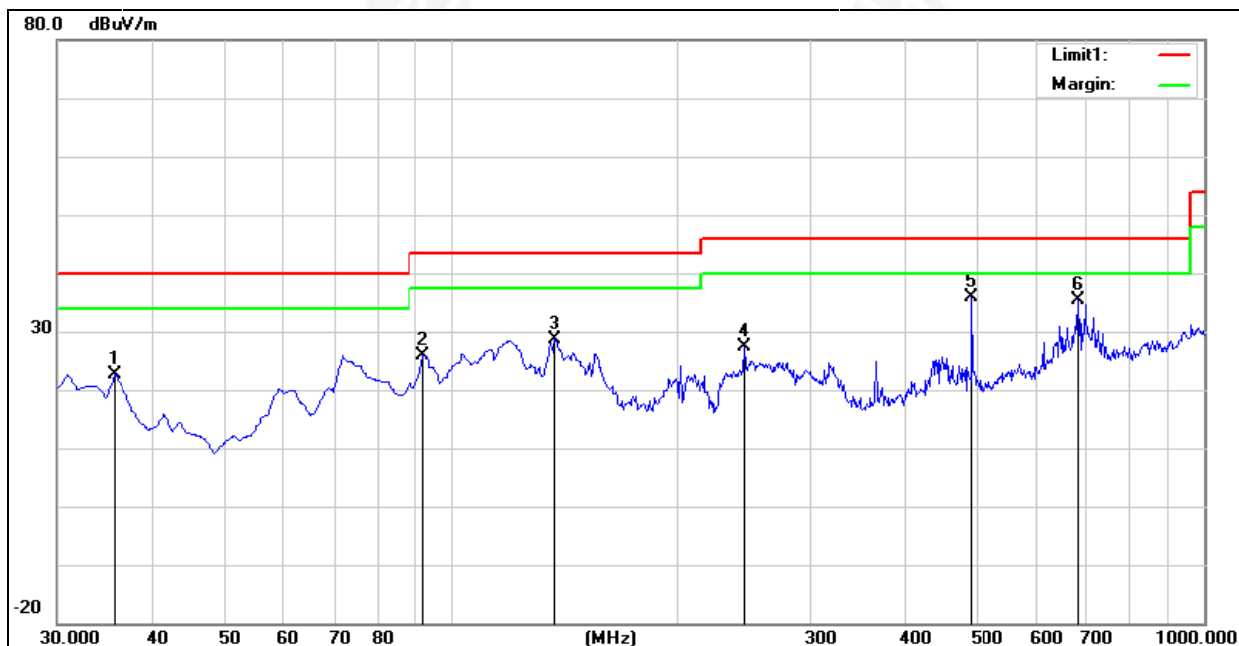
Between 9KHz – 30MHz

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o), the test result no need to reported.



Between 30MHz – 1GHz

Temperature:	23.4℃	Relative Humidity:	60%
Pressure:	101 kPa	Polarization:	Horizontal
Test Voltage:	DC 11.01V	Test Mode :	TX 802.11n40 - 2422MHz



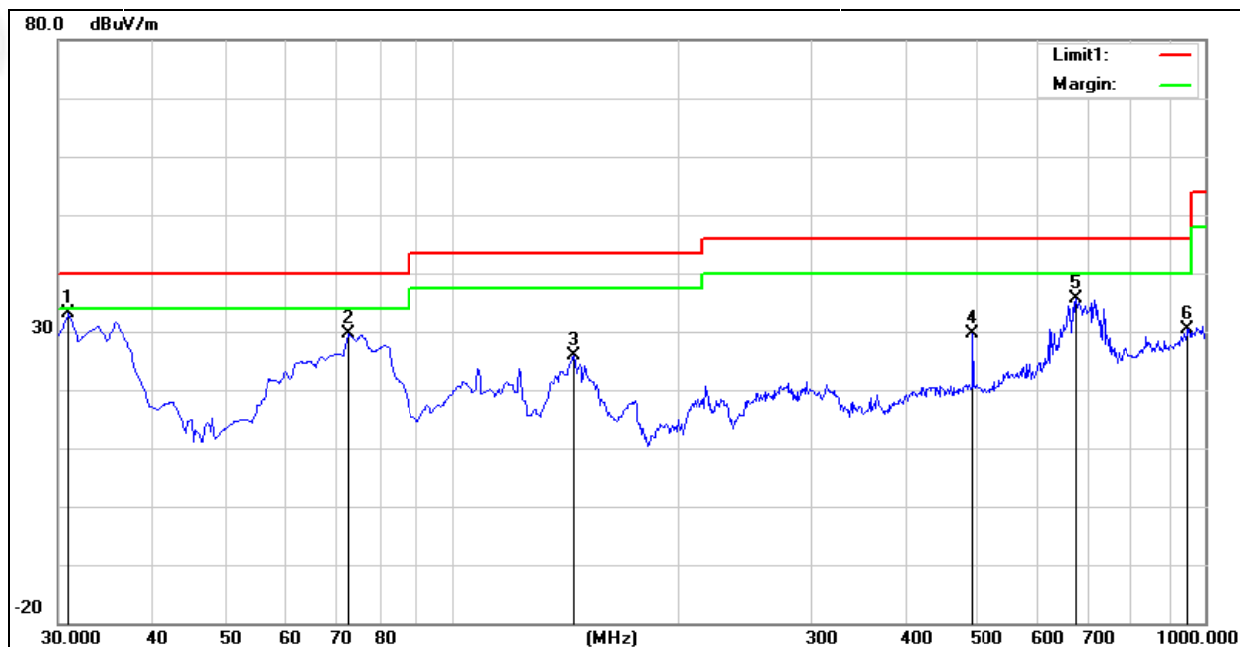
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	35.8200	38.60	-15.91	22.69	40.00	-17.31	peak
2	92.0800	47.13	-21.20	25.93	43.50	-17.57	peak
3	137.6700	46.75	-18.06	28.69	43.50	-14.81	peak
4	245.3400	44.22	-16.92	27.30	46.00	-18.70	peak
5	490.7500	43.99	-8.20	35.79	46.00	-10.21	peak
6	680.8700	39.69	-4.28	35.41	46.00	-10.59	peak

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi-Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor= Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin= Measurement Level-Limit.
7. The test data shows only the worst case TX 802.11n40 - 2422MHz.



Temperature:	23.4℃	Relative Humidity:	60%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	DC 11.01V	Test Mode :	TX 802.11ax20 - 2412MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.9700	46.41	-13.35	33.06	40.00	-6.94	peak
2	72.6800	54.09	-24.37	29.72	40.00	-10.28	peak
3	145.4300	44.26	-18.34	25.92	43.50	-17.58	peak
4	490.7500	37.72	-8.20	29.52	46.00	-16.48	peak
5	674.0800	40.05	-4.45	35.60	46.00	-10.40	peak
6	951.5000	28.80	1.62	30.42	46.00	-15.58	peak

Remarks:

1. An initial pre-scan was performed on the peak detector.
2. Quasi-Peak measurement were performed at the frequencies with maximized peak emission.
3. The emission levels of other frequencies are very lower than the limit and not show in test report.
4. Final Level = Reading level + Correct Factor.
5. Correct Factor= Antenna factor+ Cable loss factor - Amplifier factor.
6. Margin= Measurement Level-Limit.
7. The test data shows only the worst case TX 802.11n40 - 2422MHz.



1GHz~25GHz

802.11 n(HT40)

Frequency	Meter Reading	Amplifier	Loss	Antenna Factor	Corrected Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	(dB)	(dB/m)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
Low Channel (802.11n40/2422 MHz)										
3264.89	60.83	44.70	6.70	28.20	-9.80	51.03	74.00	-22.97	PK	Vertical
3264.89	50.17	44.70	6.70	28.20	-9.80	40.37	54.00	-13.63	AV	Vertical
3264.71	62.15	44.70	6.70	28.20	-9.80	52.35	74.00	-21.65	PK	Horizontal
3264.71	51.15	44.70	6.70	28.20	-9.80	41.35	54.00	-12.65	AV	Horizontal
4824.36	58.26	44.20	9.04	31.60	-3.56	54.70	74.00	-19.30	PK	Vertical
4824.36	49.18	44.20	9.04	31.60	-3.56	45.62	54.00	-8.38	AV	Vertical
4824.53	58.50	44.20	9.04	31.60	-3.56	54.94	74.00	-19.06	PK	Horizontal
4824.53	49.89	44.20	9.04	31.60	-3.56	46.33	54.00	-7.67	AV	Horizontal
5359.62	48.10	44.20	9.86	32.00	-2.34	45.76	74.00	-28.24	PK	Vertical
5359.62	39.64	44.20	9.86	32.00	-2.34	37.30	54.00	-16.70	AV	Vertical
5359.67	47.84	44.20	9.86	32.00	-2.34	45.50	74.00	-28.50	PK	Horizontal
5359.67	38.63	44.20	9.86	32.00	-2.34	36.29	54.00	-17.71	AV	Horizontal
7235.82	53.98	43.50	11.40	35.50	3.40	57.38	74.00	-16.62	PK	Vertical
7235.82	43.67	43.50	11.40	35.50	3.40	47.07	54.00	-6.93	AV	Vertical
7235.72	54.19	43.50	11.40	35.50	3.40	57.59	74.00	-16.41	PK	Horizontal
7235.72	43.97	43.50	11.40	35.50	3.40	47.37	54.00	-6.63	AV	Horizontal
Middle Channel (802.11n40/2437 MHz)										
3264.79	61.91	44.70	6.70	28.20	-9.80	52.11	74.00	-21.89	PK	Vertical
3264.79	51.52	44.70	6.70	28.20	-9.80	41.72	54.00	-12.28	AV	Vertical
3264.64	61.51	44.70	6.70	28.20	-9.80	51.71	74.00	-22.29	PK	Horizontal
3264.64	50.29	44.70	6.70	28.20	-9.80	40.49	54.00	-13.51	AV	Horizontal
4874.40	58.40	44.20	9.04	31.60	-3.56	54.84	74.00	-19.16	PK	Vertical
4874.40	50.38	44.20	9.04	31.60	-3.56	46.82	54.00	-7.18	AV	Vertical
4874.49	59.23	44.20	9.04	31.60	-3.56	55.67	74.00	-18.33	PK	Horizontal
4874.49	49.67	44.20	9.04	31.60	-3.56	46.11	54.00	-7.89	AV	Horizontal
5359.69	49.16	44.20	9.86	32.00	-2.34	46.82	74.00	-27.18	PK	Vertical
5359.69	40.29	44.20	9.86	32.00	-2.34	37.95	54.00	-16.05	AV	Vertical
5359.58	47.78	44.20	9.86	32.00	-2.34	45.44	74.00	-28.56	PK	Horizontal
5359.58	38.14	44.20	9.86	32.00	-2.34	35.80	54.00	-18.20	AV	Horizontal
7310.86	53.86	43.50	11.40	35.50	3.40	57.26	74.00	-16.74	PK	Vertical
7310.86	44.53	43.50	11.40	35.50	3.40	47.93	54.00	-6.07	AV	Vertical
7310.70	54.15	43.50	11.40	35.50	3.40	57.55	74.00	-16.45	PK	Horizontal
7310.70	43.70	43.50	11.40	35.50	3.40	47.10	54.00	-6.90	AV	Horizontal



High Channel (802.11n40/2452 MHz)										
3264.64	61.46	44.70	6.70	28.20	-9.80	51.66	74.00	-22.34	PK	Vertical
3264.64	50.46	44.70	6.70	28.20	-9.80	40.66	54.00	-13.34	AV	Vertical
3264.77	61.73	44.70	6.70	28.20	-9.80	51.93	74.00	-22.07	PK	Horizontal
3264.77	49.88	44.70	6.70	28.20	-9.80	40.08	54.00	-13.92	AV	Horizontal
4924.39	59.00	44.20	9.04	31.60	-3.56	55.44	74.00	-18.56	PK	Vertical
4924.39	50.52	44.20	9.04	31.60	-3.56	46.96	54.00	-7.04	AV	Vertical
4924.40	58.96	44.20	9.04	31.60	-3.56	55.40	74.00	-18.60	PK	Horizontal
4924.40	50.11	44.20	9.04	31.60	-3.56	46.55	54.00	-7.45	AV	Horizontal
5359.71	48.32	44.20	9.86	32.00	-2.34	45.98	74.00	-28.02	PK	Vertical
5359.71	39.67	44.20	9.86	32.00	-2.34	37.33	54.00	-16.67	AV	Vertical
5359.72	47.63	44.20	9.86	32.00	-2.34	45.29	74.00	-28.71	PK	Horizontal
5359.72	38.68	44.20	9.86	32.00	-2.34	36.34	54.00	-17.66	AV	Horizontal
7385.89	54.24	43.50	11.40	35.50	3.40	57.64	74.00	-16.36	PK	Vertical
7385.89	44.49	43.50	11.40	35.50	3.40	47.89	54.00	-6.11	AV	Vertical
7385.72	53.52	43.50	11.40	35.50	3.40	56.92	74.00	-17.08	PK	Horizontal
7385.72	44.91	43.50	11.40	35.50	3.40	48.31	54.00	-5.69	AV	Horizontal

Remark:

- Factor = Antenna Factor + Cable Loss – Pre-amplifier.
- All modes have been measurement, only worst mode was reported.
Emission Level = Reading + Factor
Margin = Emission Level-Limit
- The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.



5. ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203 /247(c)	
<p>15.203 requirement: 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, 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.</p> <p>15.247(c) (1)(i) requirement: (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.</p>		
EUT Antenna:		
The antenna is FPC Antenna, the best case gain of the antenna is ANT1: 2.01 dBi, ANT2: 2.01 dBi reference to the appendix II for details.		



6. TEST SETUP PHOTO

Reference to the appendix I for details.

7. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

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