Test Report

Verified code: 938005

Report No.: E20230512370501-4

Customer:	Wuxi Auto-Link World Information Technology Co., Ltd.
Address:	No. 8, Huayun road, Wuxi city, Jiangsu Province, P.R.China
Sample Name:	BYD Di5.0F
Sample Model:	MTCA05
Receive Sample Date:	May.16,2023
Test Date:	May.19,2023 ~ Jun.06,2023
Reference Document:	CFR 47, FCC Part 15 Subpart E Unlicensed National Information Infrastructure Devices
Test Result:	Pass

Prepared by: Lu Wei Reviewed by: Jiang Tao Approved by: Xiao Liang

GRG METROLOGY & TEST GROUP CO., LTD.

Issued Date: 2023-06-27

GRG METROLOGY & TEST GROUP CO., LTD.
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Statement

1. The report is invalid without "special seal for inspection and testing"; some copies are invalid; The report is invalid if it is altered or missing; The report is invalid without the signature of the person who prepared, reviewed and approved it.

2. The sample information is provided by the client and responsible for its authenticity; The content of the report is only valid for the samples sent this time.

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

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

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

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REPORT ISSUED HISTORY

Report Version	Report No.	Description	Compile Date
1.0	E20230512370501-4	Original Issue	2023-06-09

---------- The following blanks ----------

1. TEST RESULT SUMMARY

Standard	Item	Limit / Severity	Result
CFR 47, FCC Part 15 Subpart E (§15.407) & FCC KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 & FCC KDB 662911 D01 Multiple Transmitter Output v02r01	6dB Bandwidth &26dB Bandwidth & 99% Occupied Bandwidth	15.407(a) 15.407(e)	PASS
	AC Power Line Conducted Emissions	15.207 15.407(b)(9)	N/A[1)]
	Unwanted Emissions and Band Edge	15.205 15.209 15.407(b)	PASS
	Output Power	15.407(a)	PASS
	Power Spectral Density	15.407(a)	PASS
	Frequency Stability	15.407(g)	PASS
	Antenna Requirement	15.203	PASS[2)]

Note:

1. The EUT is power by DC source, not applicable.
2. The EUT have two antennas. The antenna is PCB antenna. The max gain of antenna is 1.89dBi, which accordance 15.203 is considered sufficient to comply with the provisions of this section.
3. 802.11ax HE20, 802.11ax HE40, 802.11ax HE80 Resource Unit (RU) is full RU.
4. The applicant declares the use of 5G WIFI through the APP, the device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure.

---------- The following blanks ----------

2. GENERAL DESCRIPTION OF EUT

2.1. APPLICANT

Name:	Wuxi Auto-link World Information Technology Co., Ltd.
Address:	No. 8, Huayun Road, Wuxi City, Jiangsu Province, P.R.China

2.2. MANUFACTURER

Name:	Wuxi Auto-link World Information Technology Co., Ltd.
Address:	No. 8, Huayun Road, Wuxi City, Jiangsu Province, P.R.China

2.3. FACTORY

Name:	Wuxi Auto-link World Information Technology Co., Ltd.
Address:	No. 8, Huayun Road, Wuxi City, Jiangsu Province, P.R.China

2.4. BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

Product Name:	BYD Di5.0F
Product Model:	MTCA05
Adding Model:	/
Model difference description:	/
Trade Name:	
FCC ID:	2BBDI20003502MTCA05
Power Supply:	DC 12V
Frequency Band:	U-NII-1: 5180 MHz~5240 MHz U-NII-2A: 5260 MHz~5320 MHz U-NII-2C: 5500 MHz~5700 MHz U-NII-3: 5745 MHz~5825 MHz
Modulation Type:	OFDM, OFDMA
Antenna Specification:	PCB antenna U-NII-1: antenna 1 with 1.63dBi gain (Max.) antenna 2 with 1.63dBi gain (Max.) U-NII-2A: antenna 1 with 1.17dBi gain (Max.) antenna 2 with 1.17dBi gain (Max.) U-NII-2C: antenna 1 with 1.83 dBi gain (Max.) antenna 2 with 1.83dBi gain (Max.) U-NII-3: antenna 1 with 1.89dBi gain (Max.) antenna 2 with 1.89dBi gain (Max.)

Number Of Channel	U-NII-1: IEEE 802.11a / n HT20 / ac VHT20 / ax HE20: 4 Channels IEEE 802.11n HT40 / ac VHT40 / ax HE40: 2 Channels IEEE 802.11ac VHT80 / ax HE80: 1 Channel U-NII-2A: IEEE 802.11a / n HT20 / ac VHT20 / ax HE20: 4 Channels IEEE 802.11n HT40 / ac VHT40 / ax HE40: 2 Channels IEEE 802.11ac VHT80 / ax HE80: 1 Channel U-NII-2C: IEEE 802.11a / n HT20 / ac VHT20 / ax HE20: 11 Channels IEEE 802.11n HT40 / ac VHT40 / ax HE40: 5 Channels IEEE 802.11ac VHT80 / ax HE80: 2 Channel U-NII-3: IEEE 802.11a / n HT20 / ac VHT20 / ax HE20: 5 Channels IEEE 802.11n HT40 / ac VHT40 / ax HE40: 2 Channels IEEE 802.11ac VHT80 / ax HE80: 1 Channel
Channels Spacing:	IEEE 802.11a / n HT20 / ac VHT20 / ax HE20: 20MHz IEEE 802.11n HT40 / ac VHT40 / ax HE40: 40MHz IEEE 802.11ac VHT80 / ax HE80: 80MHz
Transmit Power:	U-NII-1: 12.83dBm for IEEE 802.11a 14.46dBm for IEEE 802.11n HT20 13.83dBm for IEEE 802.11ac VHT20 12.95dBm for IEEE 802.11ax HE20 14.10dBm for IEEE 802.11n HT40 13.72dBm for IEEE 802.11ac VHT40 11.99dBm for IEEE 802.11ax HE40 13.37dBm for IEEE 802.11ac VHT80 11.94dBm for IEEE 802.11ax HE80 U-NII-2A: 12.95dBm for IEEE 802.11a 14.81dBm for IEEE 802.11n HT20 14.02dBm for IEEE 802.11ac VHT20 13.00dBm for IEEE 802.11ax HE20 14.42dBm for IEEE 802.11n HT40 13.47dBm for IEEE 802.11ac VHT40 12.36dBm for IEEE 802.11ax HE40 13.29dBm for IEEE 802.11ac VHT80 12.01dBm for IEEE 802.11ax HE80

	U-NII-2C: 13.08dBm for IEEE 802.11a 14.60dBm for IEEE 802.11n HT20 14.01dBm for IEEE 802.11ac VHT20 12.86dBm for IEEE 802.11ax HE20 14.15dBm for IEEE 802.11n HT40 13.41dBm for IEEE 802.11ac VHT40 12.29dBm for IEEE 802.11ax HE40 11.87dBm for IEEE 802.11ax HE80 U-NII-3: 10.89dBm for IEEE 802.11a 11.86dBm for IEEE 802.11n HT20 10.89dBm for IEEE 802.11ac VHT20 10.67dBm for IEEE 802.11ax HE20 11.31dBm for IEEE 802.11n HT40 11.02dBm for IEEE 802.11ac VHT40 10.95dBm for IEEE 802.11ax HE40 10.73dBm for IEEE 802.11ac VHT80 10.79dBm for IEEE 802.11ax HE80
Temperature Range:	-30℃~+70℃
Hardware Version:	0.0.6
Software Version:	4.00.3
Sample submitting way:	■Provided by customer □Sampling
Sample No:	E20230512370501-0001, E20230512370501-0002
Note:	The EUT antenna gain is provided by the applicant. This report is made solely on the basis of such data and/or information. We accept no responsibility for the authenticity and completeness of the above data and information and the validity of the results and/or conclusions.

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2.5. TEST OPERATION MODE

Mode No.	Description of the modes
1	5G Wi-Fi TX mode

2.6. CHANNEL LIST

Mode	Band	Channel	Frequency (MHz)
IEEE 802.11a / IEEE 802.11n HT20/IEEE 802.11ac VHT20/ IEEE 802.11ax HE20	U-NII-1	36	5180
		40	5200
		44	5220
		48	5240
	U-NII-2A	52	5260
		56	5280
		60	5300
		64	5320
	U-NII-2C	100	5500
		104	5520
		108	5540
		112	5560
		116	5580
		120	5600
		124	5620
		128	5640
		132	5660
		136	5680
		140	5700
	U-NII-3	149	5745
		153	5765
		157	5785
		161	5805
		165	5825

Mode	Band	Channel	Frequency (MHz)
IEEE 802.11 n HT40/ IEEE 802.11 ac VHT40/ IEEE 802.11ax HE40	U-NII-1	38	5190
		46	5230
	U-NII-2A	51	5270
		62	5310
	U-NII-2C	102	5510
		110	5550
		118	5590
		126	5630
		134	5670
	U-NII-3	151	5755
		159	5795

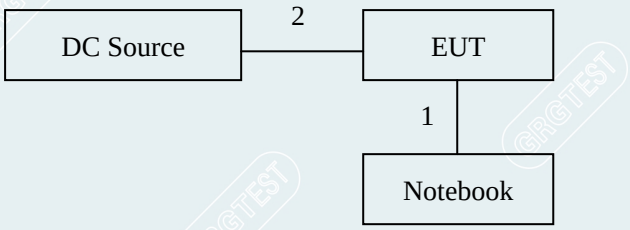
Mode	Band	Channel	Frequency (MHz)
IEEE 802.11ac VHT80/ IEEE 802.11ax HE80	U-NII-1	42	5210
	U-NII-2A	58	5290
	U-NII-2C	106	5530
		122	5610
	U-NII-3	155	5775

2.7. LOCAL SUPPORTIVEINSTRUMENTS

Name of Equipment	Manufacturer	Model	Serial Number	Note
Notebook	LENOVO	TianYi 310-14ISK	MP18DLC6	/
DC Source	Keysight	E36131A	/	/

No.	Cable Type	Qty.	Shielded Type	Ferrite Core(Qty.)	Length
1	USB to USB cable	1	No	0	1.0m
2	DC cable	1	No	0	1.2m

2.8. CONFIGURATION OF SYSTEM UNDER TEST



Test software:

Software version
QRCT.win.4.0

Power Setting:

Mode	Frequency (MHz)	Antenna 1 Power Setting	Antenna 2 Power Setting	Mode	Frequency (MHz)	Power Setting
IEEE 802.11a	5180	18	18	IEEE 802.11n HT20	5180	17
	5200	18	18		5200	17
	5240	18	18		5240	17
	5260	18	18		5260	17
	5280	18	18		5280	16.5
	5320	19	19		5320	18
	5500	22	22		5500	20.5
	5580	21	21		5580	19
	5700	20	20		5700	19
	5745	18	18		5745	16
	5785	18	18		5785	17
	5825	20	20		5825	18

Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting
IEEE 802.11ac VHT20	5180	16	IEEE 802.11ax HE20	5180	17
	5200	16		5200	15
	5240	16		5240	15
	5260	16		5260	15
	5280	16		5280	15
	5320	17		5320	16
	5500	20		5500	18
	5580	18		5580	17
	5700	18		5700	17
	5745	15		5745	15
	5785	16		5785	15
	5825	17		5825	16.5

Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting
IEEE 802.11n HT40	5190	16	IEEE 802.11ac VHT40	5190	15.5	IEEE 802.11ax HE40	5190	14
	5230	16		5230	15.5		5230	14
	5270	16		5270	16		5270	14
	5310	17		5310	15		5310	15
	5510	19.5		5510	19		5510	18
	5550	19		5550	18		5550	17
	5670	18		5670	17		5670	16
	5755	15.5		5755	15		5755	14
	5795	16		5795	15.5		5795	13

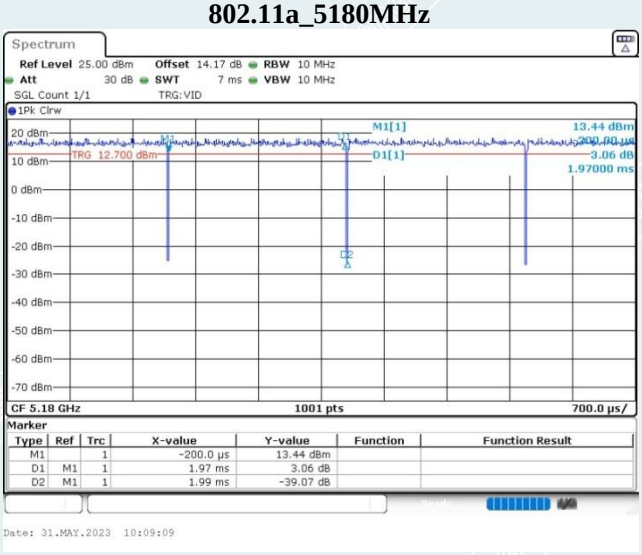
Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting
IEEE 802.11ac VHT80	5210	15.5	IEEE 802.11ax HE80	5210	14
	5290	15.5		5290	14
	5530	19		5530	17
	5610	17.5		5610	16
	5775	15		5775	15

2.9. DUTY CYCLE

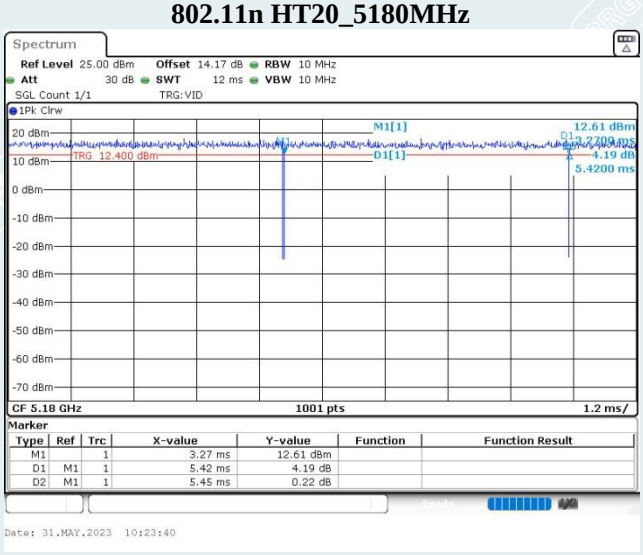
EUT Name	BYD Di5.0F	Model	MTCA05
Environmental Conditions	22.6℃/66%RH/101.0kPa	Test Voltage	DC 12V
Tested By	Qin Tingting	Tested Date	2023-05-31

Duty Cycle Calculation						
Mode	Frequency[MHz]	ON Time(ms)	Total Time(ms)	Duty Cycle(%)	Duty Factor (dB)	T(s)
802.11a	5180	1.97	1.99	98.99	0.00	0.00197
802.11n HT20	5180	5.42	5.45	99.45	0.00	0.00542
802.11n HT40	5190	27.00	27.00	100.00	0.00	0.02700
802.11ac VHT20	5180	5.43	5.45	99.63	0.00	0.00543
802.11ac VHT40	5190	5.42	5.44	99.63	0.00	0.00542
802.11ac VHT80	5210	5.42	5.44	99.63	0.00	0.00542
802.11ax HE20	5180	27.00	27.00	100.00	0.00	0.02700
802.11ax HE40	5190	27.00	27.00	100.00	0.00	0.02700
802.11ax HE80	5210	27.00	27.00	100.00	0.00	0.02700

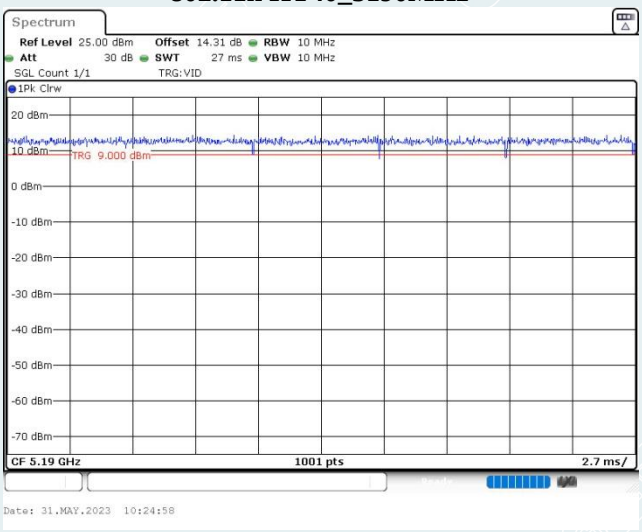
802.11a_5180MHz



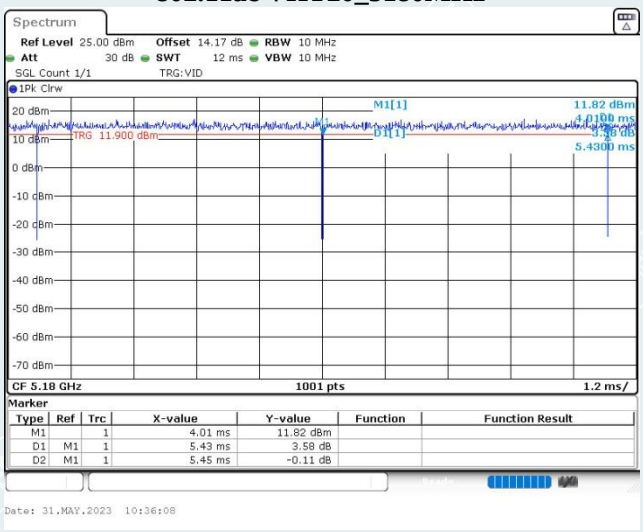
802.11n HT20_5180MHz



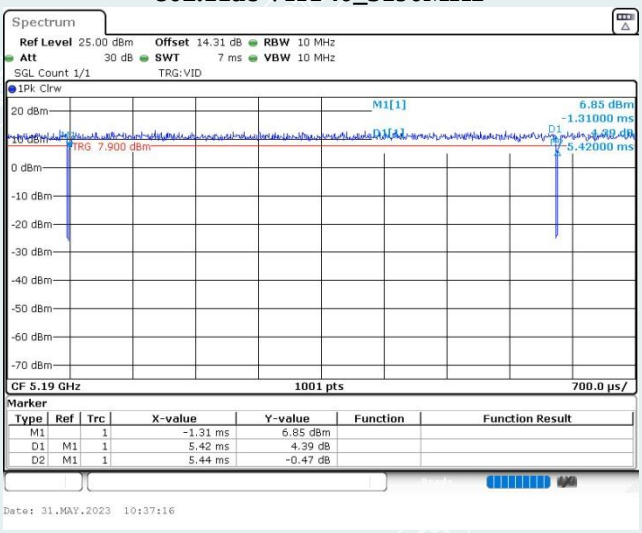
802.11n HT40_5190MHz



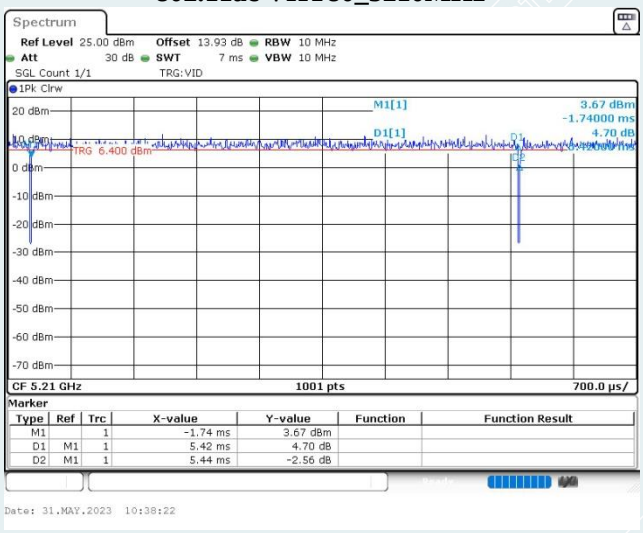
802.11ac VHT20_5180MHz



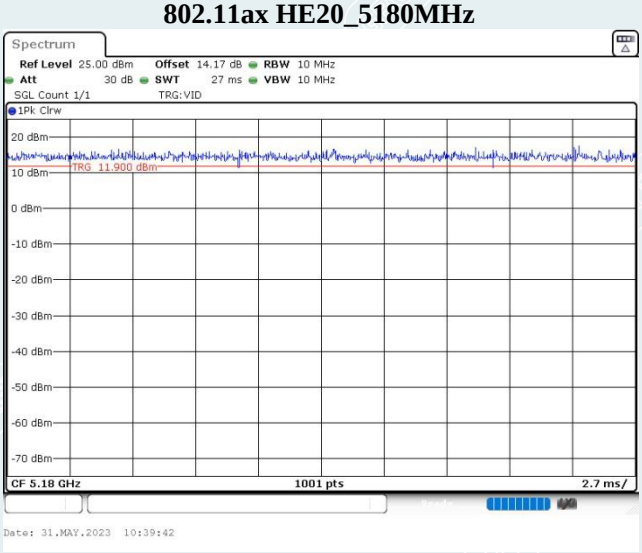
802.11ac VHT40_5190MHz



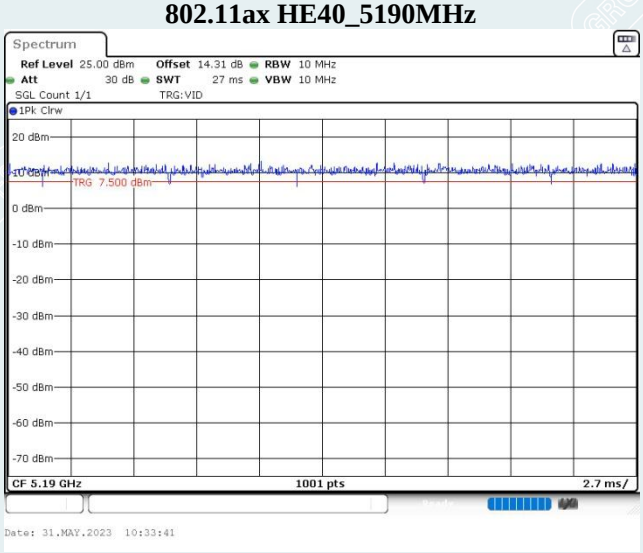
802.11ac VHT80_5210MHz



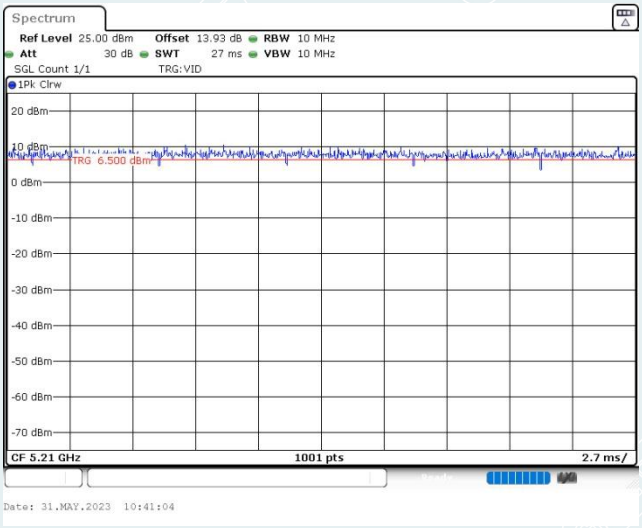
802.11ax HE20_5180MHz



802.11ax HE40_5190MHz



802.11ax HE80_5210MHz



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3. LABORATORY AND ACCREDITATIONS

3.1. LABORATORY

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

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

3.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA	A2LA(Certificate #2861.01)

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

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

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

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3.3. MEASUREMENT UNCERTAINTY

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

Measurement		Frequency	Uncertainty
Radiated Emission	Horizontal	9kHz～30MHz	4.46dB
		30MHz～1000MHz	4.30dB
		1GHz～18GHz	5.60dB
		18GHz～26GHz	3.65dB
		26GHz～40GHz	4.00dB
	Vertical	9kHz～30MHz	4.46dB
		30MHz～1000MHz	4.30dB
		1GHz～18GHz	5.60dB
		18GHz～26GHz	3.65dB
		26GHz～40GHz	4.00dB

Measurement	Uncertainty
RF frequency	6.0×10^{-6}
RF power conducted	0.78 dB
Power spectral density	0.78 dB
Occupied channel bandwidth	0.4 dB
Unwanted emission, conducted	0.68 dB
Humidity	6 %
Temperature	2℃

This uncertainty represents an expanded uncertainty factor of *k*=2.

4. LIST OF USED TEST EQUIPMENT AT GRGT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Conducted Emissions				
EZ-EMC	EZ	CCS-3A1-CE	/	/
EMI Receiver	R&S	ESCI	100783	2023-08-28
LISN(EUT)	R&S	ENV216	101543	2023-09-13
Radiated Spurious Emission&Restricted bands of operation				
Test S/W	EZ	CCS-2ANT	/	/
Loop Antenna	Schwarzbeck	FMZB 1513-60	1513-60-56	2023-08-06
Test Receiver	R&S	ESR7	102444	2023-09-02
Preamplifier	EMEC	EM330	I00426	2024-02-06
Bi-log Antenna	TESEQ	CBL6143A	26039	2024-10-23
Horn Antenna	Schwarzbeck	BBHA 9120D	02143	2023-10-15
Test Receiver	R&S	ESR26	101758	2023-10-27
Spectrum Analyzer	R&S	FSW43	102072	2023-09-02
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	BBHA 9170-497	2023-10-14
Amplifier	Tonscend	TAP01018048	AP20E8060075	2024-04-11
Amplifier	Tonscend	TAP184050	AP20E806071	2024-04-16
Amplifier	SHIRONG	DLNA-1G18G-G4	20200928005	2023-08-27
Test S/W	Tonscend	JS32-RE/2.5.2.4		
6DB Bandwidth &26DB Bandwidth& 99% Occupied bandwidth				
Spectrum Analyzer	R&S	FSV30	104381	2023-11-17
Automatic power measuring unit	TONSCEND	JS0806-2	21B8060365	2023-11-17
Output Power				
Pulse power sensor	Anritsu	MA2411B	1126150	2024-02-12
Power Meter	Anritsu	NL2495A	1204003	2024-02-12

Frequency Stability				
Spectrum Analyzer	R&S	FSV30	104381	2023-11-17
Temperature& humidity chamber	HOSON	HS01060SDF	201013401	2023-08-19
DC Source	Keysight	E36131A	MY59001139	2023-10-24
Automatic power measuring unit	TONSCEND	JS0806-2	21B8060365	2023-11-17
Power Spectral Density				
Spectrum Analyzer	R&S	FSV30	104381	2023-11-17
Automatic power measuring unit	TONSCEND	JS0806-2	21B8060365	2023-11-17

Note: The calibration interval of the above test instruments is 12 months except Bi-log Antenna, The calibration interval of the Bi-log Antenna is 24 months.

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5. RADIATED SPURIOUS EMISSIONS

5.1. LIMITS

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) 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.

(2) 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.

(3) 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.

(4) For transmitters operating in the 5.725-5.85 GHz 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.

The unwanted emissions which fall in Restricted bands shall not exceed the field strength levels specified in the following table:

15.209 Radiated emission limits

Frequency (MHz)	Field Strength(μV/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

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5.2. TEST PROCEDURES

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 please see the below table.
g. Repeat above procedures until all channels were measured.
h. Record the results in the test report.

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

Note : For 9kHz-90kHz&110kHz-150kHz,the detector is average,other frequency is CISPR QP detector.

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

Note : For 150kHz-490kHz,the detector is average,other frequency is CISPR QP detector.

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≥98%,VBW=10Hz Duty cycle＜98%,VBW≥1/T Video bandwidth mode=RMS (power averaging)
Start frequency	1GHz	
Stop frequency	40GHz	
Sweep Time	Auto	
Detector	PEAK	
Trace Mode	Max Hold	

Note :

(1) T is the on-time time of the duty cycle,when EUT transmit continuously with maximum output power,unit is seconds. reference section 2.9 for the on-time time.

(2) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

E = EIRP – 20log D + 104.8

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

So: E= -27 – 20log 3 + 104.8=68.3 (dBμV/m).

(3) The unwanted emissions which fall in Restricted bands shall not exceed the field strength ,Above 18G test distance is 1m, so the Peak Limit=74+20*log(3/1)=83.54 (dBμV/m).

The Avg Limit=54+20*log(3/1)=63.54 (dBμV/m).

(4) The maximum emissions of the operation frequency bands ,Above 18G test distance is 1m, so the Peak Limit=68.3+20*log(3/1)=77.84 (dBμV/m).

5.3. TEST SETUP

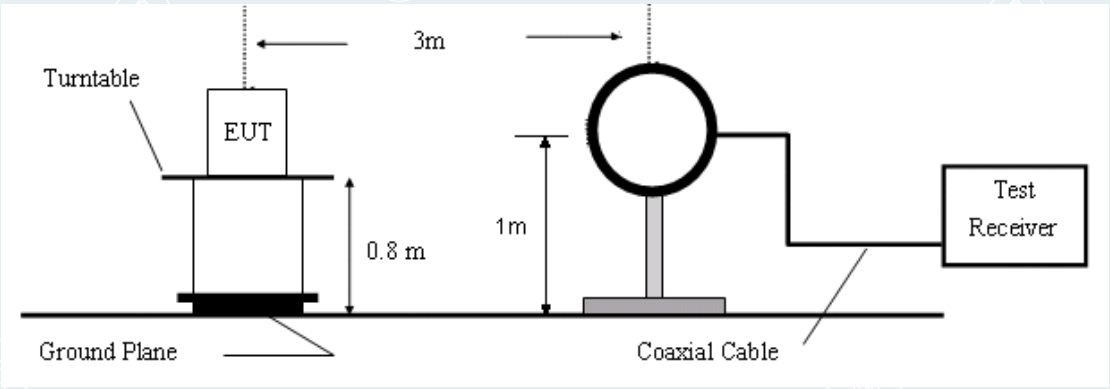


Figure 1. 9kHz to 30MHz radiated emissions test configuration

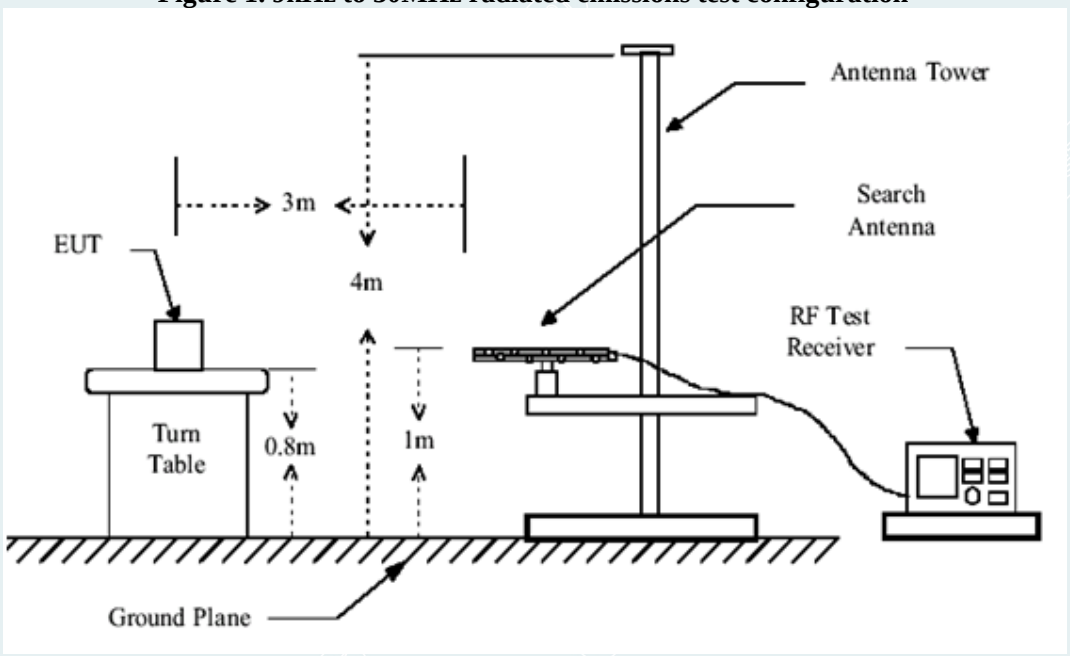


Figure 2. 30MHz to 1GHz radiated emissions test configuration

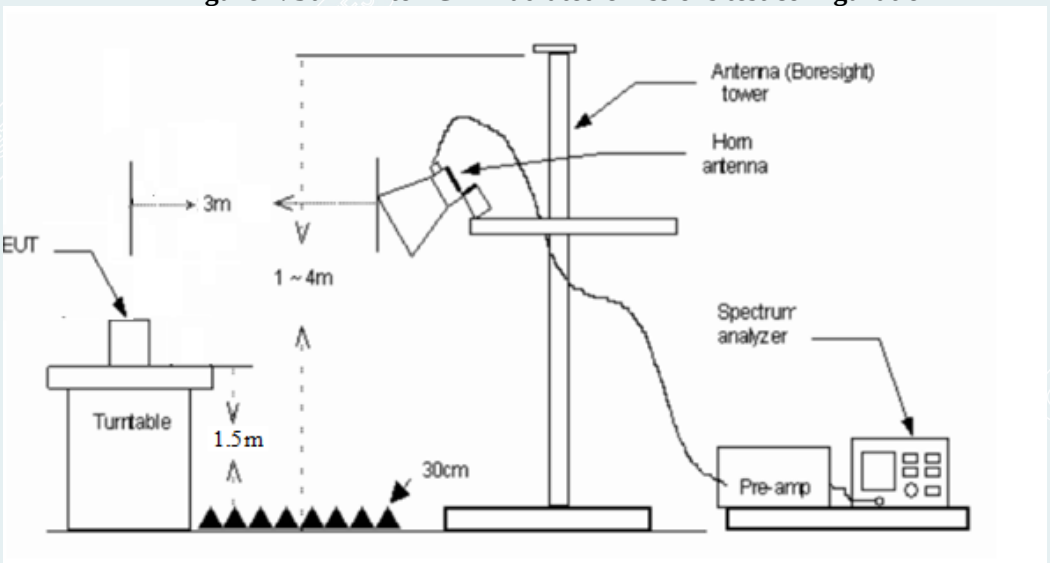


Figure 3. 1GHz-18GHz radiated emissions test configuration

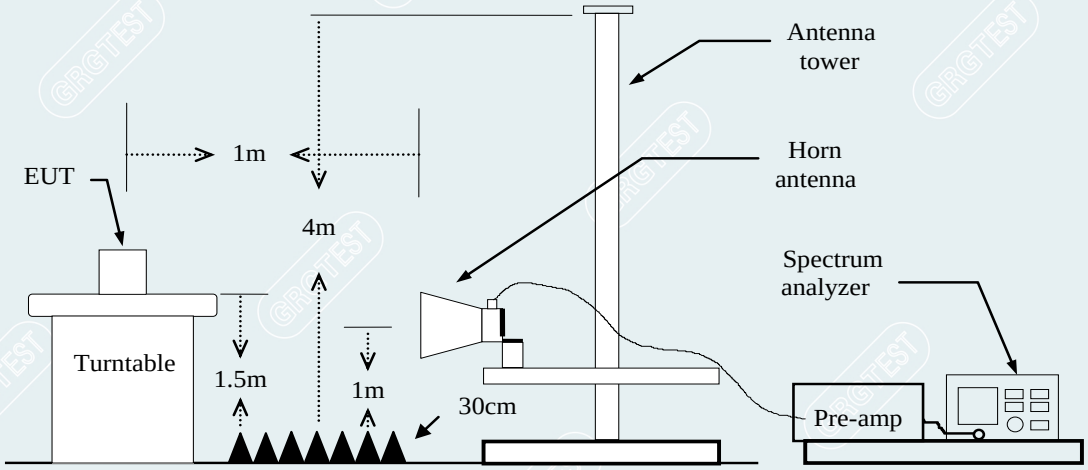


Figure 4. Above 18GHz radiated emissions test configuration

5.4. DATA SAMPLE

30MHz to 1GHz

No.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
xxx	XXXX	63.53	36.38	-27.15	43.50	7.12	0	100	Horizontal

Frequency (MHz) = Emission frequency in MHz

Reading (dBuV/m) = Uncorrected Analyzer / Receiver reading

Level (dBuV/m) = Reading (dBuV/m) + Factor (dB)

Limit (dBuV/m) = Limit stated in standard

Margin (dB) = Limit(dBuV/m) – Level (dBuV/m)

Polarity = Antenna polarization

1GHz-18GHz

No.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Remark
xxx	xxxx	78.01	55.30	-22.71	74.00	18.70	100	50	Horizontal	Peak
xxx	xxxx	66.37	43.66	-22.71	54.00	10.34	100	50	Horizontal	AVG

Above 18GHz

No.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Remark
xxx	xxxx	54.49	42.38	-12.11	83.54	41.16	100	211	Vertical	Peak
xxx	xxxx	43.99	31.88	-12.11	63.54	31.66	100	211	Vertical	AVG

Frequency (MHz) = Emission frequency in MHz

Reading (dBuV/m) = Uncorrected Analyzer / Receiver reading

Factor (dB) = Antenna factor + Cable loss – Amplifier gain

Level (dBuV/m) = Reading (dBuV/m) + Factor (dB)

Limit (dBuV/m) = Limit stated in standard

Margin (dB) = Limit (dBuV/m) – Level (dBuV/m)

Polarity = Antenna polarization

Peak = Peak Reading

AVG = Average Reading

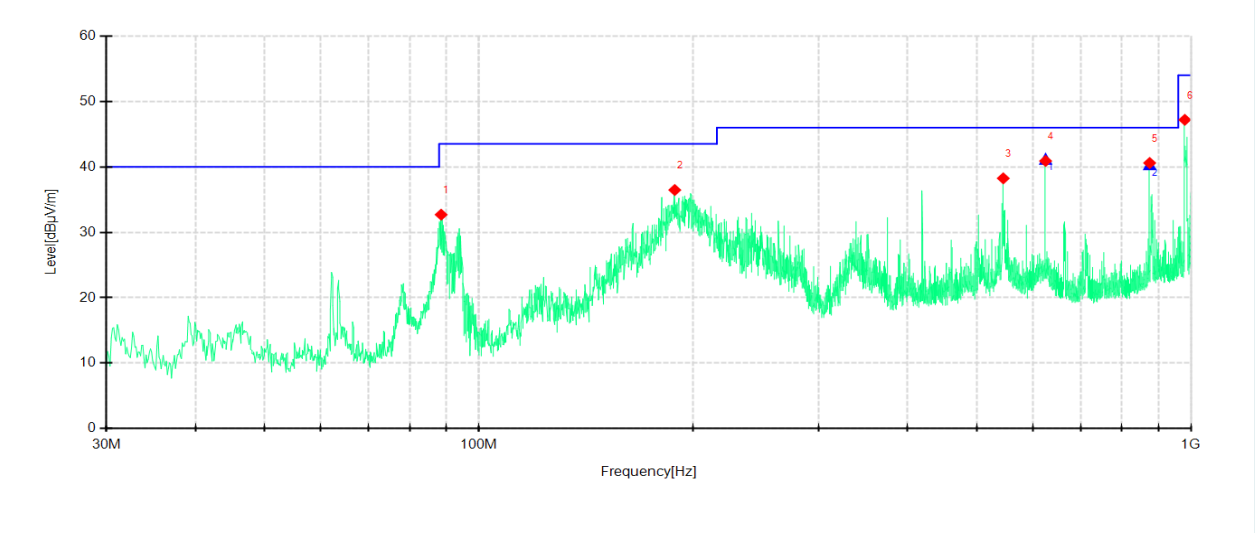
---------- **The following blanks** ----------

5.5. TEST RESULTS

Below 1GHz

All models were pretested and only the worst modes and channels were recorded in this report. (IEEE 802.11n HT20 5180MHz)

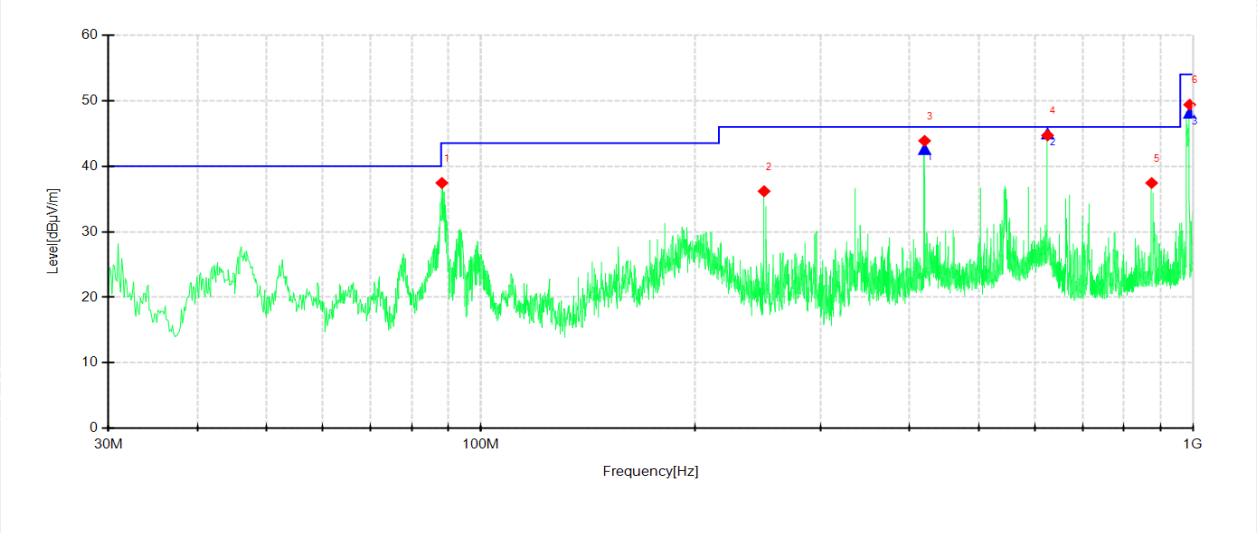
EUT Name	BYD Di5.0F	**Model**	MTCA05
Environmental Conditions	22.6℃/55%RH	**Test Voltage**	DC 12V
Test Mode	MODE 1	**Polarity**	Horizontal
Tested By	Zhangzishan	**Tested Date**	2023-05-21
Note	/		



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	88.571	68.46	32.70	-35.76	43.50	10.80	200	57	Horizontal
2	188.493	69.68	36.47	-33.21	43.50	7.03	200	152	Horizontal
3	545.134	62.01	38.25	-23.76	46.00	7.75	200	322	Horizontal
4	625.048	62.89	40.90	-21.99	46.00	5.10	100	17	Horizontal
5	875.096	59.40	40.60	-18.80	46.00	5.40	100	335	Horizontal
6	980.355	65.34	47.19	-18.15	54.00	6.81	100	0	Horizontal

Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBµV/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	625.011	-21.99	63.18	41.19	46.00	4.81	106	13.9	Horizontal
2	874.9954	-18.80	59.19	40.39	46.00	5.61	100	253.4	Horizontal

EUT Name	BYD Di5.0F	Model	MTCA05
Environmental Conditions	22.6℃/55%RH	Test Voltage	DC 12V
Test Mode	MODE 1	Polarity	Vertical
Tested By	Zhangzishan	Tested Date	2023-05-21
Note	/		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	88.207	73.21	37.45	-35.76	43.50	6.05	100	114	Vertical
2	249.974	68.25	36.18	-32.07	46.00	9.82	100	255	Vertical
3	419.988	70.48	43.87	-26.61	46.00	2.13	100	55	Vertical
4	625.048	66.69	44.70	-21.99	46.00	1.30	100	204	Vertical
5	875.096	56.24	37.44	-18.80	46.00	8.56	100	255	Vertical
6	989.571	67.37	49.38	-17.99	54.00	4.62	100	355	Vertical

Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBµV/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	419.95230	-26.61	69.22	42.61	46.00	3.39	101	55.2	Vertical
2	625.020	-21.99	66.96	44.97	46.00	1.03	100	213.1	Vertical

Remark:

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

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

3 Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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

1GHz-18GHz
All models were pretested and just record the worst case of 20MHz/40MHz/80MHz bandwidth.

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5180MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1161.7	72.36	49.62	-22.74	74.00	24.38	100	125	Horizontal
2	1665.5	65.92	44.23	-21.69	74.00	29.77	200	243	Horizontal
3	2655.5	62.24	44.95	-17.29	68.30	23.35	200	264	Horizontal
4	5000.7	57.41	50.32	-7.09	74.00	23.68	200	198	Horizontal
5	6468.65	53.13	50.57	-2.56	68.30	17.73	200	320	Horizontal
6	13853.1	45.46	51.81	6.35	68.30	16.49	200	58	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1161.7	-22.74	55.24	32.50	54.00	21.50	100	125	Horizontal
2	5000.7	-7.09	54.22	47.13	54.00	6.87	200	198	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1327.25	68.74	46.56	-22.18	74.00	27.44	200	157	Vertical
2	1658.9	69.30	46.84	-22.46	68.30	21.46	200	223	Vertical
3	5000.15	62.36	55.07	-7.29	74.00	18.93	100	158	Vertical
4	6473.05	53.02	50.43	-2.59	68.30	17.87	200	135	Vertical
5	12853.75	46.46	51.65	5.19	68.30	16.65	100	310	Vertical
6	13842.75	45.82	52.34	6.52	68.30	15.96	100	232	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-7.29	54.54	47.25	54.00	6.75	100	158	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5200MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.9	70.61	47.87	-22.74	74.00	26.13	100	136	Horizontal
2	1659.45	68.27	46.57	-21.70	68.30	21.73	100	158	Horizontal
3	2091.75	63.90	45.07	-18.83	68.30	23.23	200	156	Horizontal
4	2518.55	62.38	45.00	-17.38	68.30	23.30	100	202	Horizontal
5	6409.8	53.50	50.48	-3.02	68.30	17.82	200	322	Horizontal
6	13075.7	46.03	51.30	5.27	68.30	17.00	200	334	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1160.6	71.50	47.80	-23.70	74.00	26.20	200	182	Vertical
2	1326.7	70.16	47.98	-22.18	74.00	26.02	100	178	Vertical
3	1658.9	70.90	48.44	-22.46	68.30	19.86	200	216	Vertical
4	2996.5	69.97	54.10	-15.87	68.30	14.20	100	133	Vertical
5	5000.15	62.15	54.86	-7.29	74.00	19.14	100	167	Vertical
6	14330.35	44.46	51.42	6.96	68.30	16.88	200	133	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-7.29	53.69	46.40	54.00	7.60	100	167	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5240MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.45	71.58	48.84	-22.74	74.00	25.16	100	118	Horizontal
2	1664.4	66.60	44.91	-21.69	74.00	29.09	100	150	Horizontal
3	2658.8	63.80	46.47	-17.33	68.30	21.83	100	161	Horizontal
4	5000.15	57.04	49.95	-7.09	74.00	24.05	200	204	Horizontal
5	6436.2	52.68	50.02	-2.66	68.30	18.28	100	359	Horizontal
6	13851.95	46.35	52.72	6.37	68.30	15.58	200	13	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.45	-22.74	54.57	31.83	54.00	22.17	100	118	Horizontal
2	5000.15	-7.09	55.36	48.27	54.00	5.73	200	204	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.35	70.11	46.49	-23.62	74.00	27.51	100	182	Vertical
2	1662.75	70.46	47.99	-22.47	74.00	26.01	200	227	Vertical
3	2659.9	66.70	49.32	-17.38	68.30	18.98	100	115	Vertical
4	5000.15	62.50	55.21	-7.29	74.00	18.79	100	171	Vertical
5	6391.1	53.75	50.34	-3.41	68.30	17.96	100	359	Vertical
6	15005.4	45.41	51.98	6.57	68.30	16.32	100	139	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-7.29	56.24	48.95	54.00	5.05	100	171	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5260MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.9	70.58	47.84	-22.74	74.00	26.16	100	125	Horizontal
2	1665.5	66.62	44.93	-21.69	74.00	29.07	100	158	Horizontal
3	3000.35	59.72	44.39	-15.33	68.30	23.91	100	224	Horizontal
4	5000.15	57.11	50.02	-7.09	74.00	23.98	200	200	Horizontal
5	6370.2	53.99	50.93	-3.06	68.30	17.37	100	50	Horizontal
6	13851.95	45.06	51.43	6.37	68.30	16.87	200	214	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-7.09	54.69	47.60	54.00	6.40	200	200	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1162.8	73.06	49.42	-23.64	74.00	24.58	200	179	Vertical
2	1662.75	70.36	47.89	-22.47	74.00	26.11	200	223	Vertical
3	1975.15	69.13	48.20	-20.93	68.30	20.10	100	116	Vertical
4	5000.15	62.09	54.80	-7.29	74.00	19.20	100	171	Vertical
5	6469.75	52.99	50.41	-2.58	68.30	17.89	100	314	Vertical
6	13854.25	46.09	52.67	6.58	68.30	15.63	100	180	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1162.8	-23.64	54.58	30.94	54.00	23.06	200	179	Vertical
2	5000.15	-7.29	55.25	47.96	54.00	6.04	100	171	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5280MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.45	70.71	47.97	-22.74	74.00	26.03	100	125	Horizontal
2	1666.05	67.78	46.09	-21.69	74.00	27.91	100	136	Horizontal
3	1970.2	66.33	46.15	-20.18	68.30	22.15	100	83	Horizontal
4	5000.15	56.67	49.58	-7.09	74.00	24.42	200	202	Horizontal
5	6436.2	53.25	50.59	-2.66	68.30	17.71	200	17	Horizontal
6	13850.8	45.44	51.84	6.40	68.30	16.46	100	311	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-7.09	52.39	45.30	54.00	8.70	200	202	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.9	69.70	46.10	-23.60	74.00	27.90	200	16	Vertical
2	1327.25	68.20	46.02	-22.18	74.00	27.98	200	158	Vertical
3	1661.65	70.25	47.78	-22.47	74.00	26.22	100	231	Vertical
4	5000.15	61.40	54.11	-7.29	74.00	19.89	200	158	Vertical
5	6489.55	52.99	50.39	-2.60	68.30	17.91	100	298	Vertical
6	13952	44.13	51.58	7.45	68.30	16.72	200	44	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-7.29	56.39	49.10	54.00	4.90	200	158	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5320MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1162.25	70.51	47.77	-22.74	74.00	26.23	100	60	Horizontal
2	1666.6	68.11	46.42	-21.69	74.00	27.58	100	158	Horizontal
3	1974.05	64.24	44.13	-20.11	68.30	24.17	100	83	Horizontal
4	2658.8	62.17	44.84	-17.33	68.30	23.46	100	148	Horizontal
5	6140.85	55.65	51.80	-3.85	68.30	16.50	100	138	Horizontal
6	13870.35	45.12	51.05	5.93	68.30	17.25	100	48	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1166.1	70.14	46.59	-23.55	74.00	27.41	200	192	Vertical
2	1659.45	71.82	49.36	-22.46	68.30	18.94	200	226	Vertical
3	2661.55	66.80	49.41	-17.39	68.30	18.89	100	111	Vertical
4	5000.15	61.70	54.41	-7.29	74.00	19.59	100	165	Vertical
5	6413.1	54.22	50.99	-3.23	68.30	17.31	200	38	Vertical
6	13840.45	45.71	52.17	6.46	68.30	16.13	100	179	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-7.29	56.38	49.09	54.00	4.91	100	165	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5500MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.45	71.26	47.34	-23.92	74.00	26.66	100	136	Horizontal
2	1662.2	68.80	45.76	-23.04	74.00	28.24	100	159	Horizontal
3	2665.95	66.95	47.83	-19.12	68.30	20.47	100	148	Horizontal
4	5000.15	59.75	50.56	-9.19	74.00	23.44	200	204	Horizontal
5	6271.2	54.80	48.38	-6.42	68.30	19.92	200	336	Horizontal
6	13862.3	45.58	51.71	6.13	68.30	16.59	100	65	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-9.19	55.69	46.50	54.00	7.50	200	204	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.35	71.95	47.14	-24.81	74.00	26.86	100	176	Vertical
2	1664.95	71.52	47.72	-23.80	74.00	26.28	200	235	Vertical
3	1974.05	71.54	49.16	-22.38	68.30	19.14	100	121	Vertical
4	2664.85	65.74	46.62	-19.12	68.30	21.68	100	109	Vertical
5	5000.15	63.85	54.46	-9.39	74.00	19.54	100	166	Vertical
6	14095.75	44.62	51.69	7.07	68.30	16.61	200	104	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-9.39	56.38	46.99	54.00	7.01	100	166	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.4℃/59%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5580MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1166.1	70.48	46.57	-23.91	74.00	27.43	100	128	Horizontal
2	1663.3	69.61	46.59	-23.02	74.00	27.41	100	162	Horizontal
3	2519.1	65.10	46.11	-18.99	68.30	22.19	100	193	Horizontal
4	5000.15	58.30	49.11	-9.19	74.00	24.89	200	202	Horizontal
5	6275.6	58.26	51.88	-6.38	68.30	16.42	200	335	Horizontal
6	13864.6	44.99	51.07	6.08	68.30	17.23	100	219	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-9.19	53.54	44.35	54.00	9.65	200	202	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1165	71.46	46.70	-24.76	74.00	27.30	200	183	Vertical
2	1658.9	71.56	47.73	-23.83	68.30	20.57	200	226	Vertical
3	1979	71.54	49.16	-22.38	68.30	19.14	100	114	Vertical
4	5000.15	63.47	54.08	-9.39	74.00	19.92	100	169	Vertical
5	6484.05	52.88	48.04	-4.84	68.30	20.26	200	160	Vertical
6	14305.05	45.19	52.38	7.19	68.30	15.92	100	79	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-9.39	55.85	46.46	54.00	7.54	100	169	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5700MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.45	71.35	47.43	-23.92	74.00	26.57	100	126	Horizontal
2	1661.1	70.27	47.22	-23.05	74.00	26.78	100	159	Horizontal
3	1978.45	66.77	45.31	-21.46	68.30	22.99	100	82	Horizontal
4	5000.15	56.40	47.21	-9.19	74.00	26.79	200	203	Horizontal
5	6275.05	56.77	50.39	-6.38	68.30	17.91	200	334	Horizontal
6	13847.35	45.34	51.71	6.37	68.30	16.59	200	124	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.45	72.14	47.37	-24.77	74.00	26.63	200	181	Vertical
2	1331.65	69.10	45.87	-23.23	74.00	28.13	100	182	Vertical
3	1661.65	69.26	45.44	-23.82	74.00	28.56	200	223	Vertical
4	3990.9	61.94	47.68	-14.26	74.00	26.32	100	138	Vertical
5	5000.15	64.32	54.93	-9.39	74.00	19.07	100	170	Vertical
6	10545.7	48.03	50.85	2.82	68.30	17.45	200	138	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-9.39	54.69	45.30	54.00	8.70	100	170	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5745MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1161.7	70.99	47.18	-23.81	74.00	26.82	200	78	Horizontal
2	1332.75	69.38	46.07	-23.31	74.00	27.93	100	158	Horizontal
3	1666.6	68.89	45.96	-22.93	74.00	28.04	100	158	Horizontal
4	2659.35	66.22	47.19	-19.03	68.30	21.11	100	169	Horizontal
5	5000.15	56.97	47.75	-9.22	74.00	26.25	200	201	Horizontal
6	15533.25	44.99	52.90	7.91	74.00	21.10	100	146	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	15533.25	7.91	34.55	42.46	54.00	11.54	100	146	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1329.45	71.06	47.70	-23.36	74.00	26.30	200	158	Vertical
2	1979	71.73	49.36	-22.37	68.30	18.94	100	126	Vertical
3	2657.15	68.33	49.27	-19.06	68.30	19.03	100	114	Vertical
4	3988.15	64.83	50.46	-14.37	74.00	23.54	100	136	Vertical
5	5000.15	62.51	53.09	-9.42	74.00	20.91	100	158	Vertical
6	14380.95	44.46	51.79	7.33	68.30	16.51	100	259	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3988.15	-14.37	44.57	30.20	54.00	23.80	100	136	Vertical
2	5000.15	-9.42	56.85	47.43	54.00	6.57	100	158	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5785MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.45	71.51	47.70	-23.81	74.00	26.30	100	137	Horizontal
2	1327.8	70.87	47.50	-23.37	74.00	26.50	100	192	Horizontal
3	1659.45	67.88	44.89	-22.99	68.30	23.41	200	346	Horizontal
4	2525.15	67.45	48.47	-18.98	68.30	19.83	100	192	Horizontal
5	5000.15	56.62	47.40	-9.22	74.00	26.60	200	203	Horizontal
6	13858.85	45.47	51.68	6.21	68.30	16.62	200	344	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1162.25	71.19	46.47	-24.72	74.00	27.53	200	192	Vertical
2	1332.75	70.37	46.98	-23.39	74.00	27.02	200	147	Vertical
3	1658.9	71.79	48.03	-23.76	68.30	20.27	200	214	Vertical
4	1979	70.64	48.27	-22.37	68.30	20.03	100	127	Vertical
5	5000.15	62.43	53.01	-9.42	74.00	20.99	100	161	Vertical
6	14352.2	44.69	51.51	6.82	68.30	16.79	200	0	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-9.42	56.98	47.56	54.00	6.44	100	161	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5825MHz
Power supply:DC 12V
Test Date:2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1162.25	70.43	46.62	-23.81	74.00	27.38	100	127	Horizontal
2	1332.75	69.00	45.69	-23.31	74.00	28.31	100	160	Horizontal
3	1660.55	68.71	45.72	-22.99	74.00	28.28	100	138	Horizontal
4	3983.75	59.62	45.70	-13.92	74.00	28.30	100	138	Horizontal
5	5000.15	57.13	47.91	-9.22	74.00	26.09	200	205	Horizontal
6	6280.55	55.40	49.02	-6.38	68.30	19.28	200	337	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1161.7	72.07	47.34	-24.73	74.00	26.66	200	172	Vertical
2	1331.1	70.32	46.94	-23.38	74.00	27.06	200	172	Vertical
3	1979	71.52	49.15	-22.37	68.30	19.15	100	126	Vertical
4	3987.05	61.35	47.00	-14.35	74.00	27.00	100	138	Vertical
5	5000.15	62.11	52.69	-9.42	74.00	21.31	200	160	Vertical
6	13475.9	45.59	51.99	6.40	68.30	16.31	200	11	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.15	-9.42	55.98	46.56	54.00	7.44	200	160	Vertical

Mode: Mode 1/ IEEE 802.11ac VHT40
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5190MHz
Power supply:DC 12V
Test Date: 2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1197.45	70.27	47.67	-22.60	74.00	26.33	200	77	Horizontal
2	1662.2	67.73	46.03	-21.70	74.00	27.97	100	123	Horizontal
3	2317.8	61.60	43.92	-17.68	74.00	30.08	200	133	Horizontal
4	3332.55	60.06	45.36	-14.70	74.00	28.64	100	69	Horizontal
5	6196.95	53.58	50.35	-3.23	68.30	17.95	200	144	Horizontal
6	15751.75	45.21	53.52	8.31	74.00	20.48	200	329	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	15751.75	8.31	53.24	61.55	54.00	-7.55	200	329	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1195.8	72.95	50.24	-22.71	74.00	23.76	100	146	Vertical
2	1662.75	69.16	46.69	-22.47	74.00	27.31	100	146	Vertical
3	1979.55	69.39	48.46	-20.93	68.30	19.84	100	278	Vertical
4	5000.15	60.07	52.78	-7.29	74.00	21.22	200	149	Vertical
5	6496.7	52.98	50.38	-2.60	68.30	17.92	200	159	Vertical
6	15001.95	45.54	52.16	6.62	68.30	16.14	100	93	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1195.8	-22.71	54.25	31.54	54.00	22.46	100	146	Vertical
2	5000.14962	-7.29	54.20	46.91	54.00	7.09	162	143.7	Vertical

Mode: Mode 1/ IEEE 802.11ac VHT40
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5230MHz
Power supply:DC 12V
Test Date: 2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1124.85	70.65	47.75	-22.90	74.00	26.25	100	203	Horizontal
2	1165.55	69.24	46.51	-22.73	74.00	27.49	200	70	Horizontal
3	1665.5	65.36	43.67	-21.69	74.00	30.33	200	236	Horizontal
4	2394.25	63.19	44.72	-18.47	68.30	23.58	100	127	Horizontal
5	5000.15	57.87	50.78	-7.09	74.00	23.22	200	203	Horizontal
6	13855.4	45.87	52.16	6.29	68.30	16.14	200	3	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.14962	-7.09	50.17	43.08	54.00	10.92	200	204	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1198.55	70.31	47.67	-22.64	74.00	26.33	200	356	Vertical
2	1979.55	69.91	48.98	-20.93	68.30	19.32	100	292	Vertical
3	2389.3	68.16	50.09	-18.07	74.00	23.91	100	160	Vertical
4	5000.15	61.02	53.73	-7.29	74.00	20.27	200	157	Vertical
5	6435.65	53.22	50.39	-2.83	68.30	17.91	200	202	Vertical
6	13847.35	45.02	51.63	6.61	68.30	16.67	200	344	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.14962	-7.29	54.95	47.66	54.00	6.34	164	150.7	Vertical

Mode: Mode 1/ IEEE 802.11ac VHT40
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5270MHz
Power supply:DC 12V
Test Date: 2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1166.1	72.33	49.60	-22.73	74.00	24.40	100	125	Horizontal
2	1664.4	67.22	45.53	-21.69	74.00	28.47	200	146	Horizontal
3	2524.6	64.97	47.66	-17.31	68.30	20.64	100	114	Horizontal
4	5000.15	58.72	51.63	-7.09	74.00	22.37	200	202	Horizontal
5	6154.6	54.94	51.08	-3.86	68.30	17.22	100	345	Horizontal
6	15743.7	44.69	52.93	8.24	74.00	21.07	200	214	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.78375	-22.73	54.25	31.52	54.00	22.48	100	268.7	Horizontal
2	5000.113625	-7.09	49.73	42.64	54.00	11.36	200	194.4	Horizontal
3	15712.1407	8.24	33.05	41.29	54.00	12.71	200	99.6	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1162.25	70.42	46.77	-23.65	74.00	27.23	200	334	Vertical
2	1969.65	69.69	48.75	-20.94	68.30	19.55	100	111	Vertical
3	2526.8	65.31	47.56	-17.75	68.30	20.74	100	111	Vertical
4	3989.8	60.26	47.49	-12.77	74.00	26.51	100	123	Vertical
5	5000.15	62.01	54.72	-7.29	74.00	19.28	100	156	Vertical
6	13953.15	44.95	52.34	7.39	68.30	15.96	200	217	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.14962	-7.29	55.06	47.77	54.00	6.23	100	165.7	Vertical

Mode: Mode 1/ IEEE 802.11ac VHT40
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5310MHz
Power supply:DC 12V
Test Date: 2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.45	72.23	49.49	-22.74	74.00	24.51	100	134	Horizontal
2	1660	65.97	44.27	-21.70	68.30	24.03	200	157	Horizontal
3	2660.45	61.61	44.27	-17.34	68.30	24.03	100	165	Horizontal
4	5000.15	57.49	50.40	-7.09	74.00	23.60	200	202	Horizontal
5	6314.65	53.71	50.33	-3.38	68.30	17.97	100	272	Horizontal
6	16204.85	44.67	52.56	7.89	68.30	15.74	100	257	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1162.461475	-22.74	56.71	33.97	54.00	20.03	129	130	Horizontal
2	5000.14962	-7.09	50.89	43.80	54.00	10.20	200	200.2	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1161.7	70.87	47.21	-23.66	74.00	26.79	200	169	Vertical
2	1978.45	69.68	48.74	-20.94	68.30	19.56	100	125	Vertical
3	3993.65	61.27	48.43	-12.84	74.00	25.57	100	136	Vertical
4	5000.15	62.23	54.94	-7.29	74.00	19.06	100	167	Vertical
5	10561.8	48.22	50.94	2.72	68.30	17.36	100	159	Vertical
6	17896.5	44.01	51.41	7.40	74.00	22.59	100	345	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4002.116875	-12.84	43.83	30.99	54.00	23.01	114	121.9	Vertical
2	5000.14962	-7.29	54.65	47.36	54.00	6.64	171	167.3	Vertical
3	17885.2387	7.40	33.19	40.59	54.00	13.41	111	18.4	Vertical

Mode: Mode 1/ IEEE 802.11ac VHT40
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5510MHz
Power supply:DC 12V
Test Date: 2023-06-02

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.9	70.04	46.12	-23.92	74.00	27.88	200	134	Horizontal
2	1327.25	68.34	45.12	-23.22	74.00	28.88	100	179	Horizontal
3	1659.45	68.43	45.37	-23.06	68.30	22.93	200	145	Horizontal
4	5000.15	60.48	51.29	-9.19	74.00	22.71	200	201	Horizontal
5	6426.85	53.75	48.73	-5.02	68.30	19.57	100	58	Horizontal
6	15782.8	44.15	52.18	8.03	74.00	21.82	100	15	Horizontal

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1663.54437	-23.06	51.04	27.98	54.00	26.02	200	226.3	Horizontal
2	5000.113625	-9.19	53.15	43.96	54.00	10.04	200	200.6	Horizontal
3	15769.443	8.03	32.71	40.74	54.00	13.26	100	81.1	Horizontal

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1161.7	72.97	48.12	-24.85	74.00	25.88	100	166	Vertical
2	1331.1	70.04	46.82	-23.22	74.00	27.18	200	156	Vertical
3	1664.95	73.16	49.36	-23.80	74.00	24.64	200	213	Vertical
4	3998.6	63.18	48.95	-14.23	74.00	25.05	100	178	Vertical
5	5000.15	64.15	54.76	-9.39	74.00	19.24	100	166	Vertical
6	15003.1	45.61	52.22	6.61	68.30	16.08	100	192	Vertical

AV Final Data List

NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.68385	-24.85	55.87	31.02	54.00	22.98	195	176.3	Vertical
2	1662.34762	-23.80	54.73	30.93	54.00	23.07	200	229.7	Vertical
3	3997.6165	-14.23	45.28	31.05	54.00	22.95	100	135.2	Vertical
4	5000.14962	-9.39	58.16	48.77	54.00	5.23	100	159.9	Vertical

Mode: Mode 1/ IEEE 802.11ac VHT40
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5550MHz
Power supply:DC 12V
Test Date: 2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1162.25	73.99	50.07	-23.92	74.00	23.93	100	123	Horizontal
2	1664.4	66.85	43.84	-23.01	74.00	30.16	200	236	Horizontal
3	2659.9	62.30	43.25	-19.05	68.30	25.05	200	314	Horizontal
4	5000.15	59.05	49.86	-9.19	74.00	24.14	200	204	Horizontal
5	6478.55	53.42	48.62	-4.80	68.30	19.68	200	236	Horizontal
6	15756.35	44.20	52.47	8.27	74.00	21.53	200	101	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.621575	-23.92	56.18	32.26	54.00	21.74	105	270.1	Horizontal
2	5000.14962	-9.19	52.17	42.98	54.00	11.02	200	195.4	Horizontal
3	15717.0191	8.27	32.79	41.06	54.00	12.94	200	214	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.9	73.31	48.53	-24.78	74.00	25.47	100	181	Vertical
2	1326.7	71.38	48.21	-23.17	74.00	25.79	200	159	Vertical
3	1978.45	72.13	49.75	-22.38	68.30	18.55	100	127	Vertical
4	3991.45	61.98	47.73	-14.25	74.00	26.27	100	50	Vertical
5	5000.15	64.04	54.65	-9.39	74.00	19.35	100	160	Vertical
6	13504.65	44.68	51.60	6.92	68.30	16.70	200	300	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1164.14425	-24.78	54.80	30.02	54.00	23.98	186	177.1	Vertical
2	1327.49675	-23.17	53.31	30.14	54.00	23.86	198	155.5	Vertical
3	5000.14962	-9.39	57.42	48.03	54.00	5.97	100	165.4	Vertical

Mode: Mode 1/ IEEE 802.11ac VHT40
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5670MHz
Power supply:DC 12V
Test Date: 2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.35	74.39	50.46	-23.93	74.00	23.54	100	124	Horizontal
2	1977.9	66.43	44.96	-21.47	68.30	23.34	100	70	Horizontal
3	2666.5	63.94	44.81	-19.13	68.30	23.49	200	82	Horizontal
4	5000.7	58.80	49.61	-9.19	74.00	24.39	200	202	Horizontal
5	6281.1	55.79	49.46	-6.33	68.30	18.84	200	333	Horizontal
6	15605.7	45.05	52.12	7.07	74.00	21.88	100	27	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1163.35	-23.93	54.36	30.43	54.00	23.57	100	124	Horizontal
2	5000.15725	-9.19	52.80	43.61	54.00	10.39	200	201.8	Horizontal
3	15605.7	7.07	34.57	41.64	54.00	12.36	100	27	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1165	72.33	47.57	-24.76	74.00	26.43	200	166	Vertical
2	1664.4	72.75	48.95	-23.80	74.00	25.05	200	211	Vertical
3	1976.25	71.82	49.45	-22.37	68.30	18.85	100	124	Vertical
4	2843.6	70.61	52.51	-18.10	74.00	21.49	100	57	Vertical
5	5000.15	63.59	54.20	-9.39	74.00	19.80	100	157	Vertical
6	13847.35	45.01	51.62	6.61	68.30	16.68	100	81	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2845.493	-18.10	45.79	27.69	54.00	26.31	100	120.8	Vertical
2	5000.14962	-9.39	56.54	47.15	54.00	6.85	100	167.2	Vertical

Mode: Mode 1/ IEEE 802.11ac VHT40
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5755MHz
Power supply:DC 12V
Test Date: 2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1161.15	72.39	48.58	-23.81	74.00	25.42	100	116	Horizontal
2	1330	68.09	44.75	-23.34	74.00	29.25	100	136	Horizontal
3	1659.45	67.45	44.46	-22.99	68.30	23.84	100	147	Horizontal
4	5000.15	57.33	48.11	-9.22	74.00	25.89	200	195	Horizontal
5	10454.85	47.54	49.70	2.16	68.30	18.60	100	303	Horizontal
6	14999.65	45.15	51.78	6.63	68.30	16.52	100	358	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1159.536825	-23.81	54.56	30.75	54.00	23.25	100	266.5	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1161.15	72.27	47.53	-24.74	74.00	26.47	200	163	Vertical
2	1331.65	71.01	47.62	-23.39	74.00	26.38	200	163	Vertical
3	1663.3	71.64	47.90	-23.74	74.00	26.10	200	216	Vertical
4	2663.75	68.41	49.31	-19.10	68.30	18.99	100	113	Vertical
5	5000.15	62.58	53.16	-9.42	74.00	20.84	100	158	Vertical
6	10552.6	47.59	50.44	2.85	68.30	17.86	100	246	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.14962	-9.42	56.80	47.38	54.00	6.62	100	161.7	Vertical

Mode: Mode 1/ IEEE 802.11ac VHT40
Environment: 22.6℃/55%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5795MHz
Power supply:DC 12V
Test Date: 2023-06-02

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1161.7	71.78	47.97	-23.81	74.00	26.03	100	125	Horizontal
2	2660.45	64.65	45.61	-19.04	68.30	22.69	100	158	Horizontal
3	3993.1	58.47	44.48	-13.99	74.00	29.52	100	82	Horizontal
4	5000.15	57.72	48.50	-9.22	74.00	25.50	200	198	Horizontal
5	8076.65	51.67	48.34	-3.33	74.00	25.66	100	193	Horizontal
6	13860	45.53	51.71	6.18	68.30	16.59	200	193	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1330.55	69.74	46.37	-23.37	74.00	27.63	200	159	Vertical
2	1979	71.74	49.37	-22.37	68.30	18.93	100	98	Vertical
3	2660.45	68.97	49.89	-19.08	68.30	18.41	100	118	Vertical
4	3982.1	64.82	50.55	-14.27	74.00	23.45	100	129	Vertical
5	5000.15	62.79	53.37	-9.42	74.00	20.63	100	160	Vertical
6	10567.55	47.51	50.14	2.63	68.30	18.16	200	147	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3982.1	-14.27	54.25	39.98	54.00	14.02	100	129	Vertical
2	5000.14962	-9.42	56.79	47.37	54.00	6.63	100	162.1	Vertical

Mode: Mode 1/ IEEE 802.11ax HE80
Environment: 22.3℃/56%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5210MHz
Power supply:DC 12V
Test Date: 2023-06-01

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1124.85	70.50	47.60	-22.90	74.00	26.40	100	206	Horizontal
2	1992.2	67.92	48.15	-19.77	68.30	20.15	100	108	Horizontal
3	2315.05	67.04	49.44	-17.60	74.00	24.56	100	108	Horizontal
4	5000.15	57.04	49.95	-7.09	74.00	24.05	200	150	Horizontal
5	10594	49.18	50.36	1.18	68.30	17.94	200	28	Horizontal
6	15762.1	44.47	52.68	8.21	74.00	21.32	100	145	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2312.36937	-17.60	54.59	36.99	54.00	17.01	145	96.5	Horizontal
2	5000.113625	-7.09	50.61	43.52	54.00	10.48	200	200.1	Horizontal
3	15761.4147	8.21	32.46	40.67	54.00	13.33	165	148.8	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1194.15	73.64	50.88	-22.76	74.00	23.12	100	183	Vertical
2	1660	70.23	47.77	-22.46	68.30	20.53	100	183	Vertical
3	2395.35	68.60	50.60	-18.00	68.30	17.70	100	149	Vertical
4	3333.1	61.30	47.00	-14.30	74.00	27.00	100	93	Vertical
5	5000.15	60.08	52.79	-7.29	74.00	21.21	200	158	Vertical
6	17993.1	45.66	52.59	6.93	74.00	21.41	200	345	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1196.915025	-22.76	56.96	34.20	54.00	19.80	115	140.6	Vertical
2	5000.14962	-7.29	54.74	47.45	54.00	6.55	159	151.6	Vertical
3	17999.9345	6.93	32.69	39.62	54.00	14.38	200	26.3	Vertical

Mode: Mode 1/ IEEE 802.11ax HE80
Environment: 22.3℃/56%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5290MHz
Power supply:DC 12V
Test Date: 2023-06-01

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1124.85	68.78	45.88	-22.90	74.00	28.12	100	203	Horizontal
2	1979	65.75	45.73	-20.02	68.30	22.57	100	192	Horizontal
3	5000.15	58.29	51.20	-7.09	74.00	22.80	200	203	Horizontal
4	10538.8	48.06	49.96	1.90	68.30	18.34	200	158	Horizontal
5	12412.15	46.35	50.18	3.83	74.00	23.82	200	344	Horizontal
6	15640.2	45.06	52.41	7.35	74.00	21.59	200	302	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1191.376325	-22.76	49.04	26.28	54.00	27.72	156	183.1	Vertical
2	5000.14962	-7.29	54.54	47.25	54.00	6.75	164	146.3	Vertical
3	17890.9088	7.03	33.00	40.03	54.00	13.97	200	271	Vertical

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1194.15	71.11	48.35	-22.76	74.00	25.65	100	246	Vertical
2	1977.35	69.03	48.10	-20.93	68.30	20.20	100	288	Vertical
3	2395.35	64.47	46.47	-18.00	68.30	21.83	100	158	Vertical
4	3332	62.26	47.94	-14.32	68.30	20.36	100	125	Vertical
5	5000.15	59.25	51.96	-7.29	74.00	22.04	200	157	Vertical
6	17888.45	44.97	52.00	7.03	74.00	22.00	200	345	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.14962	-7.09	49.94	42.85	54.00	11.15	200	193.5	Vertical
2	12442.1476	3.83	34.07	37.90	54.00	16.10	200	151	Vertical
3	15675.3995	7.35	32.87	40.22	54.00	13.78	200	360	Vertical

Mode: Mode 1/ IEEE 802.11ax HE80
Environment: 22.3℃/56%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5530MHz
Power supply:DC 12V
Test Date: 2023-06-01

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1124.85	71.37	47.41	-23.96	74.00	26.59	100	189	Horizontal
2	1979	64.97	43.51	-21.46	68.30	24.79	100	167	Horizontal
3	3171.95	56.24	40.03	-16.21	68.30	28.27	100	267	Horizontal
4	9799.35	49.08	50.00	0.92	68.30	18.30	100	356	Horizontal
5	13257.4	44.92	51.30	6.38	74.00	22.70	100	225	Horizontal
6	15786.25	44.90	52.89	7.99	74.00	21.11	200	193	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	13290.3035	6.38	36.84	43.22	54.00	10.78	100	331	Horizontal
2	15773.3443	7.99	37.03	45.02	54.00	8.98	200	341.7	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1124.85	71.57	46.21	-25.36	74.00	27.79	200	166	Vertical
2	1194.15	71.70	47.79	-23.91	74.00	26.21	200	0	Vertical
3	1979.55	69.58	47.20	-22.38	68.30	21.10	100	288	Vertical
4	12836.5	45.88	50.93	5.05	68.30	17.37	100	303	Vertical
5	15519.45	45.05	51.94	6.89	74.00	22.06	200	16	Vertical
6	17902.25	46.13	53.64	7.51	74.00	20.36	100	238	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	15513.3813	6.89	32.53	39.42	54.00	14.58	200	175.4	Vertical
2	17885.1543	7.51	33.23	40.74	54.00	13.26	183	61.1	Vertical

Mode: Mode 1/ IEEE 802.11ax HE80
Environment: 22.3℃/56%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5610MHz
Power supply:DC 12V
Test Date: 2023-06-01

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1124.85	71.74	47.78	-23.96	74.00	26.22	100	202	Horizontal
2	1197.45	71.50	47.75	-23.75	74.00	26.25	200	71	Horizontal
3	1664.95	66.01	43.00	-23.01	74.00	31.00	100	124	Horizontal
4	11895.8	46.23	49.72	3.49	74.00	24.28	100	344	Horizontal
5	13853.1	44.84	51.19	6.35	68.30	17.11	100	179	Horizontal
6	15705.75	44.94	52.60	7.66	74.00	21.40	200	203	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	11882.1995	3.49	39.04	42.53	54.00	11.47	100	64.6	Horizontal
2	15676.8856	7.66	37.55	45.21	54.00	8.79	200	252.4	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1196.35	72.82	48.97	-23.85	74.00	25.03	100	157	Vertical
2	1660	67.21	43.39	-23.82	68.30	24.91	200	222	Vertical
3	1979.55	69.62	47.24	-22.38	68.30	21.06	100	299	Vertical
4	13302.25	46.42	50.98	4.56	74.00	23.02	200	94	Vertical
5	15511.4	44.76	51.55	6.79	74.00	22.45	100	270	Vertical
6	17890.75	44.70	51.84	7.14	74.00	22.16	100	345	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1196.453925	-23.85	56.71	32.86	54.00	21.14	116	359.7	Vertical
2	13303.2123	4.56	32.83	37.39	54.00	16.61	130	10.2	Vertical
3	15513.3115	6.79	32.59	39.38	54.00	14.62	100	208.7	Vertical
4	17885.0531	7.14	33.14	40.28	54.00	13.72	100	15.1	Vertical

Mode: Mode 1/ IEEE 802.11 ax HE80
Environment: 22.3℃/56%RH/101.0kPa
Test Engineer:Zhang Qiang

Frequency:5775MHz
Power supply:DC 12V
Test Date: 2023-06-01

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1124.85	71.02	47.02	-24.00	74.00	26.98	100	202	Horizontal
2	1663.3	70.07	47.11	-22.96	74.00	26.89	100	114	Horizontal
3	5000.15	58.35	49.13	-9.22	74.00	24.87	200	205	Horizontal
4	11361.05	47.92	50.22	2.30	74.00	23.78	100	211	Horizontal
5	13855.4	45.95	52.24	6.29	68.30	16.06	100	262	Horizontal
6	15693.1	44.92	52.48	7.56	74.00	21.52	100	187	Horizontal

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5000.14962	-9.22	51.10	41.88	54.00	12.12	200	201.7	Horizontal
2	11370.17537	2.30	34.42	36.72	54.00	17.28	100	56.5	Horizontal
3	15676.4072	7.56	33.11	40.67	54.00	13.33	100	116	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1199.65	75.31	51.55	-23.76	74.00	22.45	200	344	Vertical
2	1659.45	70.23	46.48	-23.75	68.30	21.82	200	212	Vertical
3	1977.9	70.63	48.26	-22.37	68.30	20.04	100	279	Vertical
4	3987.6	61.48	47.13	-14.35	74.00	26.87	100	123	Vertical
5	5000.7	60.62	51.22	-9.40	74.00	22.78	200	157	Vertical
6	17894.2	45.83	53.13	7.30	74.00	20.87	200	246	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1199.224675	-23.76	57.31	33.55	54.00	20.45	102	161.5	Vertical
2	5000.15725	-9.40	55.26	45.86	54.00	8.14	158	149.2	Vertical
3	17887.8545	7.30	33.05	40.35	54.00	13.65	200	68.4	Vertical