

Test Report

Verified code: 287069

Report No.: E20211217696105-5

Customer: BYD Auto Industry Company Limited

Address: No. 3001, 3007, Hengping Road, Pingshan, Shenzhen, P. R. China

Sample Name: DiLink

Sample Model: DiLink 3.0F

Receive Sample Date: Feb.10,2022

Test Date: Apr.03,2022 ~ Apr.14,2022

Reference Document: CFR 47, FCC Parts 15 Subpart E Unlicensed National Information Infrastructure Devices

Test Result: Pass

Prepared by: Yang Zhaoyun

Reviewed by: Zhao Zetian

Approved by: Xiao Liang

GUANGZHOU GRG METROLOGY & TEST CO., LTD

Issued Date: 2022-06-09

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REPORT ISSUED HISTORY

Report Version	Report No.	Description	Compile Date
1.0	E20211217696105-5	Original Issue	2022-04-26

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1. TEST RESULT SUMMARY

Standard	Item	Limit / Severity	Result
CFR 47, FCC Parts 15 Subpart E (§15.407)	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)	Not Applicable ¹⁾
	Unwanted Emissions and Band Edge	15.205 15.209 15.407(b)	PASS
	Output Power	15.407(a)	PASS
	Peak Power Spectral Density	15.407(a)	PASS
	Frequency Stability	15.407(g)	PASS
	Antenna Requirement	15.203	PASS ²⁾

Note: ¹⁾ Not Applicable, the EUT is powered by DC 12V.

²⁾ The antenna is External antenna. The max gain of antenna is -3.81dBi, which accordance 15.203 is considered sufficient to comply with the provisions of this section.

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2. GENERAL DESCRIPTION OF EUT

2.1 APPLICANT

Name: BYD Auto Industry Company Limited
Address: No. 3001, 3007, Hengping Road, Pingshan, Shenzhen, P. R. China

2.2 MANUFACTURER

Name: BYD Auto Industry Company Limited
Address: No. 3001, 3007, Hengping Road, Pingshan, Shenzhen, P. R. China

2.3 FACTORY

Name: Huizhou BYD Electronics Co., Ltd.
Address: Xiangshui River, Economic Development Zone, Daya Bay, Huizhou, Guangdong, P. R. China

2.4 BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

Product Name: DiLink
Product Model: DiLink 3.0F
Adding Model: /
FCC ID: SD4-DILINK6125F
Trade Name: BYD
Power Supply: DC12V
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
Antenna Specification: U-NII-1:
External antenna with -3.81dBi gain (Max.)
U-NII-2A:
External antenna with -4.34dBi gain (Max.)
U-NII-2C:
External antenna with -4.34dBi gain (Max.)
U-NII-3:
External antenna with -4.39dBi gain (Max.)
Number Of Channel: U-NII-1:
IEEE 802.11a / n HT20 / ac VHT20: 4 Channels
IEEE 802.11n HT40 / ac VHT40: 2 Channels
IEEE 802.11ac VHT80: 1 Channel
U-NII-2A:
IEEE 802.11a / n HT20 / ac VHT20: 4 Channels

IEEE 802.11n HT40 / ac VHT40: 2 Channels

IEEE 802.11ac VHT80: 1 Channel

U-NII-2C:

IEEE 802.11a / n HT20 / ac VHT20: 11 Channels

IEEE 802.11n HT40 / ac VHT40: 5 Channels

IEEE 802.11ac VHT80: 2 Channel

U-NII-3:

IEEE 802.11a / n HT20 / ac VHT20: 5 Channels

IEEE 802.11n HT40 / ac VHT40: 2 Channels

IEEE 802.11ac VHT80: 1 Channel

Channels Spacing:

IEEE 802.11a: 20MHz

IEEE 802.11n HT20: 20MHz

IEEE 802.11n HT40: 40MHz

IEEE 802.11ac VHT20: 20MHz

IEEE 802.11ac VHT40: 40MHz

IEEE 802.11ac VHT80: 80MHz

Transmit Power:

U-NII-1:

14.67dBm for IEEE 802.11a

14.47dBm for IEEE 802.11n HT20

14.46dBm for IEEE 802.11ac VHT20

13.52dBm for IEEE 802.11n HT40

13.51dBm for IEEE 802.11ac VHT40

12.22dBm for IEEE 802.11ac VHT80

U-NII-2A:

15.88dBm for IEEE 802.11a

15.74dBm for IEEE 802.11n HT20

15.75dBm for IEEE 802.11ac VHT20

14.68dBm for IEEE 802.11n HT40

14.71dBm for IEEE 802.11ac VHT40

13.17dBm for IEEE 802.11ac VHT80

U-NII-2C:

16.14dBm for IEEE 802.11a

16.02dBm for IEEE 802.11n HT20

15.97dBm for IEEE 802.11ac VHT20

15.18dBm for IEEE 802.11n HT40

15.15dBm for IEEE 802.11ac VHT40

13.67dBm for IEEE 802.11ac VHT80

U-NII-3:

16.22dBm for IEEE 802.11a

16.10dBm for IEEE 802.11n HT20

16.04dBm for IEEE 802.11ac VHT20

15.05dBm for IEEE 802.11n HT40

15.02dBm for IEEE 802.11ac VHT40

13.72dBm for IEEE 802.11ac VHT80

Temperature Range: -30°C~70°C

Hardware Version: DiLink HW 6125F
Software Version: DiLink SW 4.0F
Sample submitting way: ☒Provided by customer ☐Sampling
Sample No: E20211217696105-0001
Note: /

2.5 TEST OPERATION MODE

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

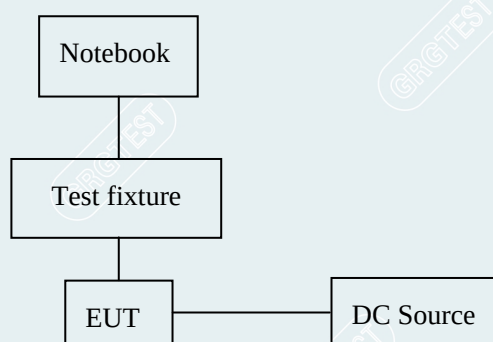
Note: The items of radiated emission just record the worst case of 20MHz/40MHz/80MHz bandwidth.

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2.6 LOCAL SUPPORTIVEINSTRUMENTS

Name of equipment	Manufacturer	Model	Serial number	Note
Notebook	LENOVO	TianYi 310-14ISK	MP18DLC6	/
Adapter(Notebook)	LENOVO	ADLX65NVV3A	SA10M42747	Unshielded, 1m (AC Cable) Shielded, 1.8m (DC Cable)
DC Source	LW	PS-305DM	/	/
Test fixture	/	/	/	/
Cable				
Test fixture cable	/	/	/	Unshielded 0.15m
USB cable	/	/	/	Unshielded 1.0m
DC cable	/	/	/	Unshielded 0.8m

2.7 CONFIGURATION OF SYSTEM UNDER TEST



Test software:

Software version
QRCT

Power Setting:

Mode	Frequency (MHz)	Power Setting	Frequency (MHz)	Power Setting
IEEE 802.11a	5180	13	5500	13
	5200	13	5580	13
	5240	13	5700	13
	5260	13	5745	13
	5280	13	5785	13
	5320	13	5825	13

Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting
IEEE 802.11n HT20	5180	13	IEEE 802.11ac VHT20	5180	13
	5200	13		5200	13
	5240	13		5240	13
	5260	13		5260	13
	5280	13		5280	13
	5320	13		5320	13
	5500	13		5500	13
	5580	13		5580	13
	5700	13		5700	13
	5745	13		5745	13
	5785	13		5785	13
	5825	13		5825	13

Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting
IEEE 802.11n HT40	5190	12	IEEE 802.11ac VHT40	5190	12
	5230	12		5230	12
	5270	12		5270	12
	5310	12		5310	12
	5510	12		5510	12
	5550	12		5550	12
	5670	12		5670	12
	5755	12		5755	12
	5795	12		5795	12

Mode	Frequency (MHz)	Power Setting	Frequency (MHz)	Power Setting
IEEE 802.11ac VHT80	5210	11	5610	11
	5290	11	5775	11
	5530	11	/	/

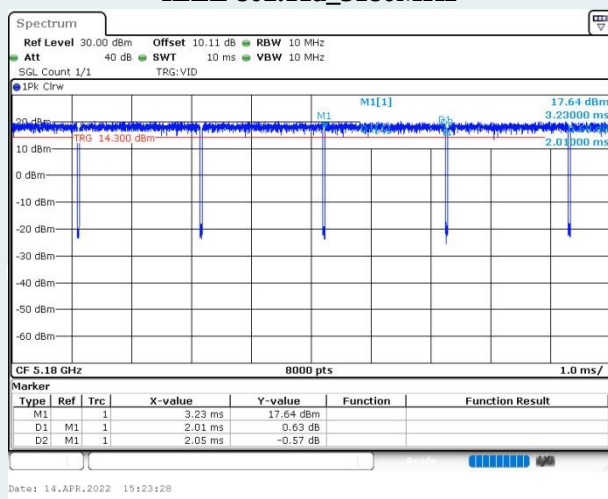
2.8 DUTY CYCLE

EUT Name	DiLink	Model	DiLink 3.0F
Environmental Conditions	23.8°C/50%RH	Test Voltage	DC 12V
Tested By	Lu Wei	Tested Date	2022-04-14

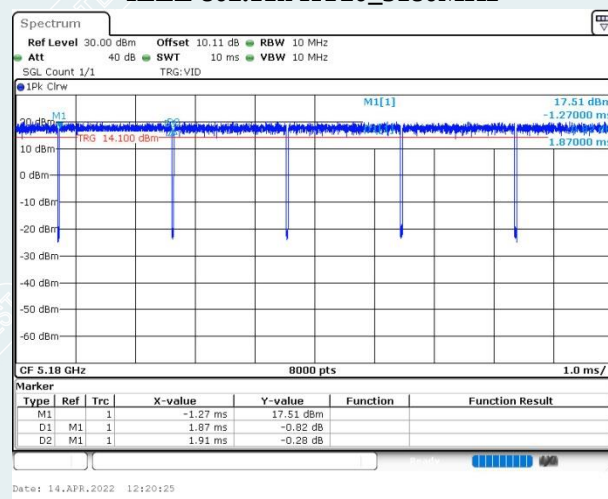
Duty Cycle Calculation							
duty cycle	Mode	Frequency [MHz]	ON Time(ms)	Total Time(ms)	Duty Cycle(%)	Duty Factor	T(s)
	IEEE 802.11a	5180	2.01	2.05	98.05	0.00	0.00201
	IEEE 802.11n HT20	5180	1.87	1.91	97.91	0.09	0.00187
	IEEE 802.11n HT40	5190	0.92	0.96	95.83	0.18	0.00092
	802.11ac VHT20	5180	1.89	1.93	97.93	0.09	0.00189
	IEEE 802.11ac VHT40	5190	0.94	0.97	96.91	0.14	0.00094
	IEEE 802.11ac VHT80	5210	0.45	0.49	91.84	0.37	0.00045

Note:Duty Factor=10log(1/Duty Cycle).

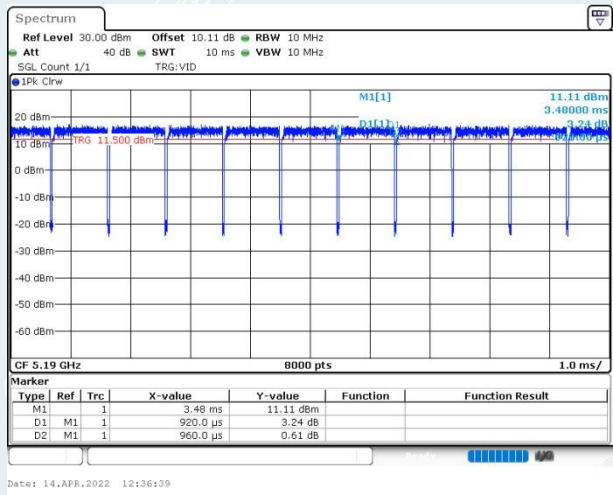
IEEE 802.11a_5180MHz



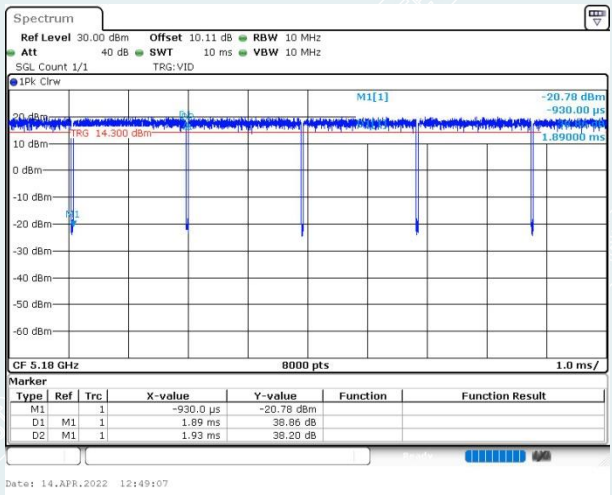
IEEE 802.11n HT20_5180MHz



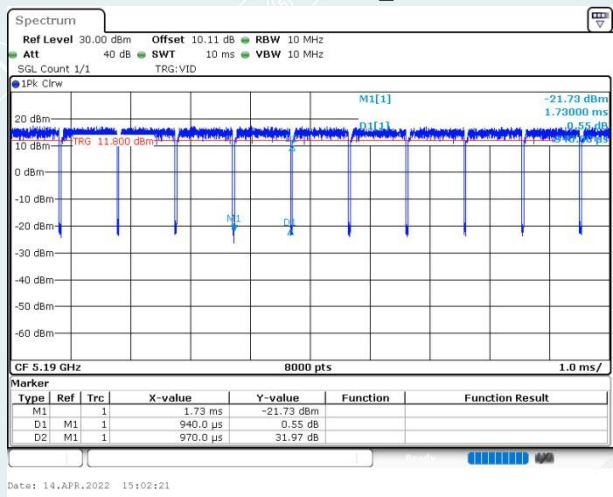
IEEE 802.11n HT40_5190MHz



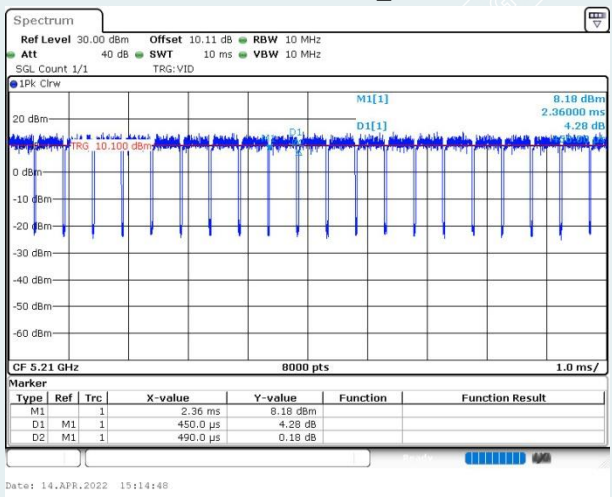
IEEE 802.11ac VHT20_5180MHz



IEEE 802.11ac VHT40_5190MHz



IEEE 802.11ac VHT80_5210MHz



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3. LABORATORY AND ACCREDITATIONS AND MEASUREMENT UNCERTAINTY

3.1 LABORATORY

The tests & measurements refer to this report were performed by Shenzhen EMC Laboratory of Guangzhou GRG Metrology & Test Co., Ltd.

Add.: No.1301 Guangang 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)
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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	4.5dB
		30MHz~1000MHz	4.3dB
		1GHz~18GHz	5.6dB
		18GHz~26GHz	3.7dB
		26GHz~40GHz	4.0dB
	Vertical	9kHz~30MHz	4.5dB
		30MHz~1000MHz	4.3dB
		1GHz~18GHz	5.6dB
		18GHz~26GHz	3.7dB
		26GHz~40GHz	4.0dB

Measurement	Uncertainty
RF frequency	6.0×10^{-6}
RF power conducted	0.8dB
Occupied channel bandwidth	0.4dB
Unwanted emission, conducted	0.7dB
Humidity	6%
Temperature	2°C

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

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

4. LIST OF USED TEST EQUIPMENT AT GRGT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Radiated Spurious Emission & Restricted bands of operation				
Test S/W	EZ	CCS-03A1		
Loop Antenna	TESEQ	HLA6121	52599	2023-04-02
Test Receiver	R&S	ESR7	102444	2022-09-21
Preamplifier	EMEC	EM330	I00426	2023-03-05
Bi-log Antenna	Schwarzbeck	VULB9160	VULB9160-3401	2022-10-27
Spectrum Analyzer	Agilent	N9020B	MY57120179	2022-08-08
Horn Antenna	Schwarzbeck	BBHA9120D(1201)	02143	2022-10-22
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	BBHA 9170-497	2022-10-16
Amplifier	Tonscend	TAP01018048	AP20E8060075	2022-05-09
Amplifier	Tonscend	TAP184050	AP20E806071	2022-05-17
Test S/W	Tonscend	JS32-RE/2.5.1.5		
6dB Bandwidth & 26dB Bandwidth & 99% Occupied bandwidth & Frequency Stability & Power Spectral Density				
Spectrum Analyzer	R&S	FSV30	104381-rH	2022-12-10
Simultaneous sampling DAQ	Tonscend	JS0806-2	186060020	2022-09-04
Temperature& humidity chamber	HOSON	HS01060SDF	201013401	2022-09-02
BT/WIFI System	Tonscend	JS1120-3		
Output Power				
Pulse power sensor	Anritsu	MA2411B	1126150	2023-03-01
Power Meter	Anritsu	NL2495A	1204003	2023-02-28

Note: The calibration interval of the above test instruments is 12 months.

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

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5.2 TEST PROCEDURES

- 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.
- EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
- Set the EUT transmit continuously with maximum output power.
- The turn table can rotate 360 degrees to determine the position of the maximum emission level.
- 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.
- Spectrum analyzer setting parameters please see the below table.
- Repeat above procedures until all channels were measured.
- 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 $\geq$ 98%, VBW=10Hz Duty cycle<98%, VBW $\geq$ 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 2.8 for the on-time time.
- (2) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20\log D + 104.8$$
 where:
 E = electric field strength in dB μ V/m,
 EIRP = equivalent isotropic radiated power in dBm
 D = specified measurement distance in meters.
 So: $E = -27 - 20\log 3 + 104.8 = 68.3$ (dB μ V/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 (dB μ V/m).
 The Avg Limit=54+20*log(3/1)=63.54 (dB μ V/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 (dB μ V/m).

5.3 TEST SETUP

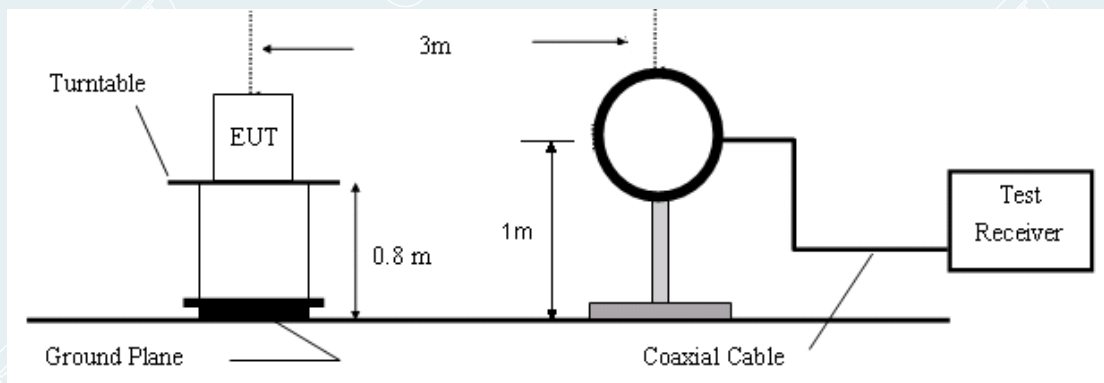


Figure 1. 9kHz to 30MHz radiated emissions test configuration

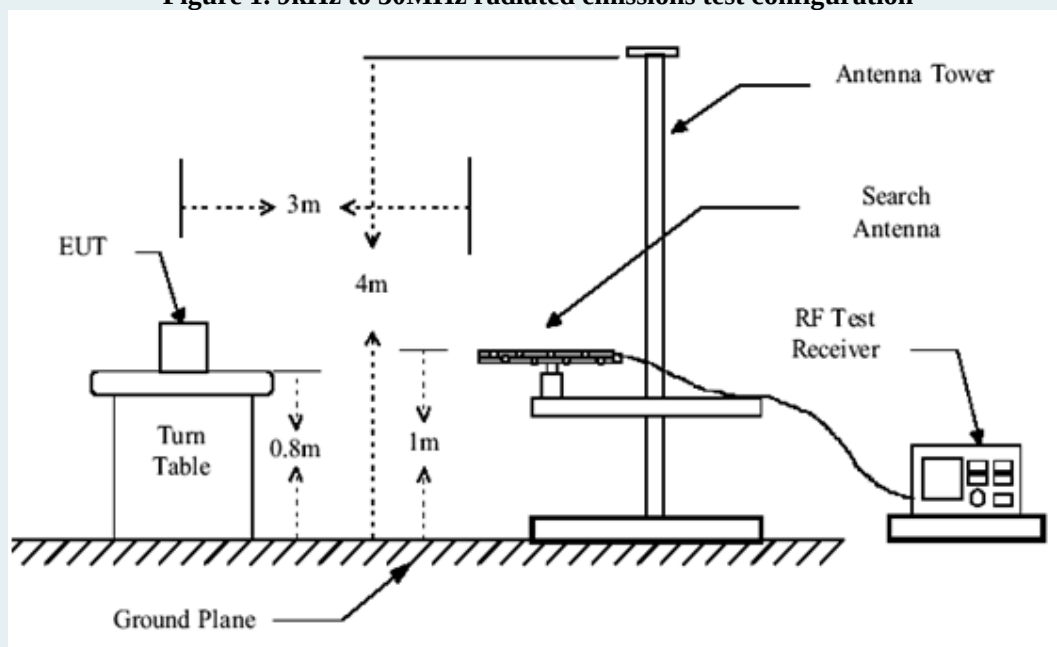


Figure 2. 30MHz to 1GHz radiated emissions test configuration

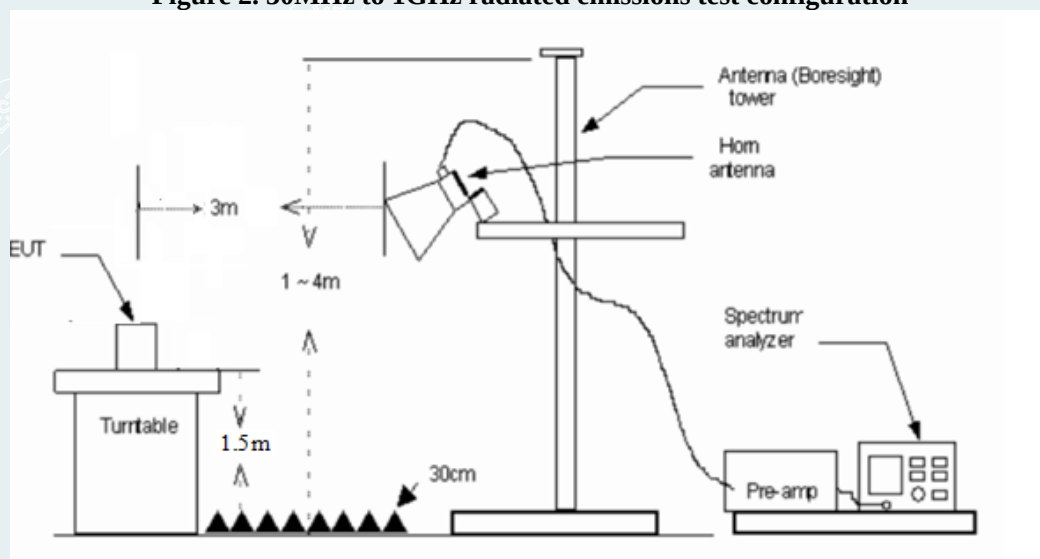


Figure 3. 1GHz to 18GHz radiated emissions test configuration

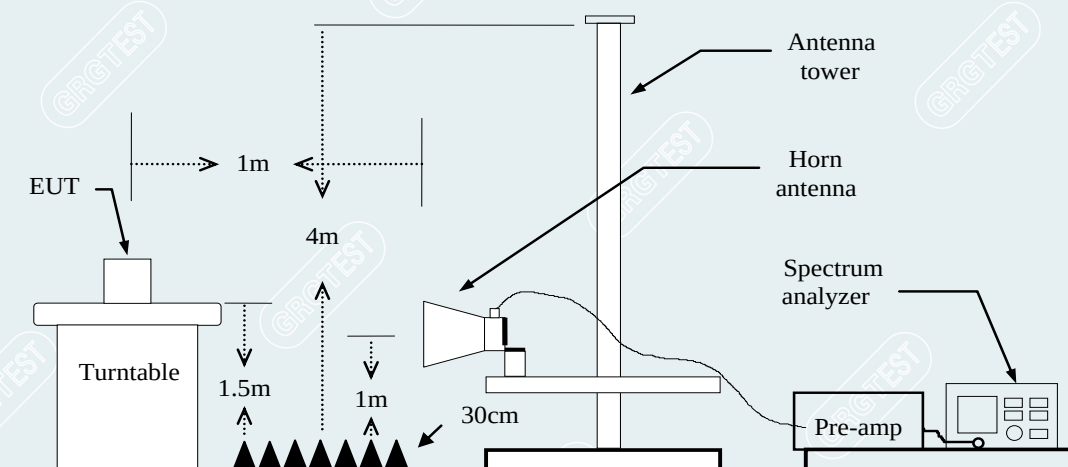


Figure 4. Above 18GHz radiated emissions test configuration

5.4 DATA SAMPLE

30MHz to 1GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	37.06	-15.48	21.58	40.00	-18.42	QP	Vertical

1GHz to 18GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Level (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	49.66	53.43	3.77	74.00	20.57	peak	Vertical
xxx	xxx	34.98	38.75	3.77	54.00	15.25	AVG	Vertical

Above 18GHz

No.	Frequency (MHz)	Reading (dBuV/m)	Level (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Remark	Pole
xxx	xxx	59.22	58.58	-0.64	83.54	24.96	peak	Vertical
xxx	xxx	53.01	52.37	-0.64	63.54	11.17	AVG	Vertical

Frequency (MHz) = Emission frequency in MHz

Ant.Pol. (H/V) = Antenna polarization

Reading (dBuV) = Uncorrected Analyzer / Receiver reading

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

Result (dBuV/m) = Reading (dBuV) + Correction Factor (dB/m)

Limit (dBuV/m) = Limit stated in standard

Margin (dB) = Remark Result (dBuV/m) – Limit (dBuV/m)

Peak = Peak Reading

QP = Quasi-peak Reading

AVG = Average Reading

5.5 TEST RESULTS

Below 1GHz

All models were pretested and only the worst modes and channels were recorded in this report. (IEEE 802.11a 5825MHz)

Mode: Mode 1/ IEEE 802.11a

Temp. /Hum.: 24.0 °C / 46 %RH

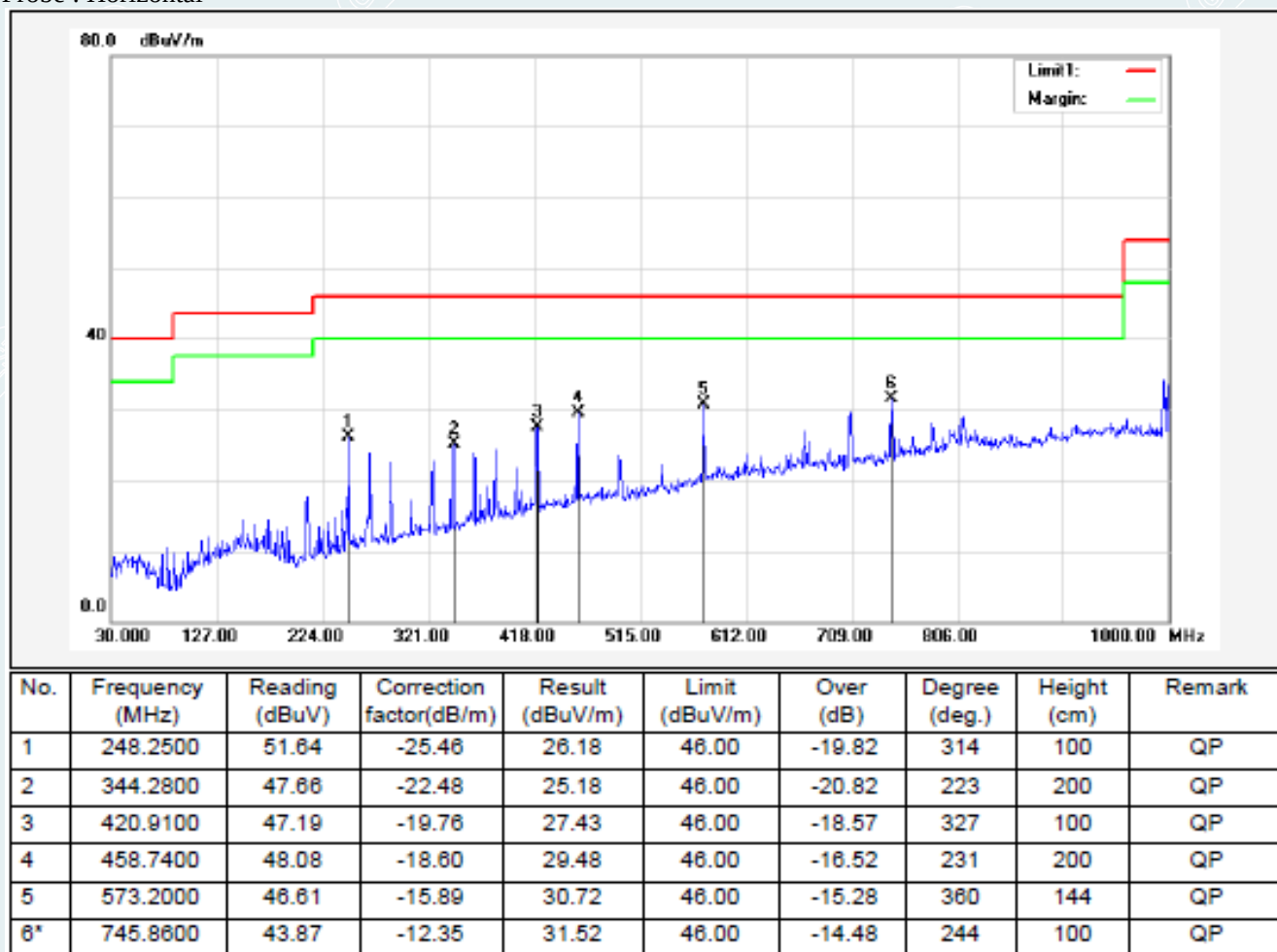
Test Engineer: Zeng Xianglong

Channel :5825MHz

Power supply:DC 12V

Test Date: 2022-04-04

Probe : Horizontal



Mode: Mode 1/ IEEE 802.11a

Temp. /Hum.: 24.0 °C / 46 %RH

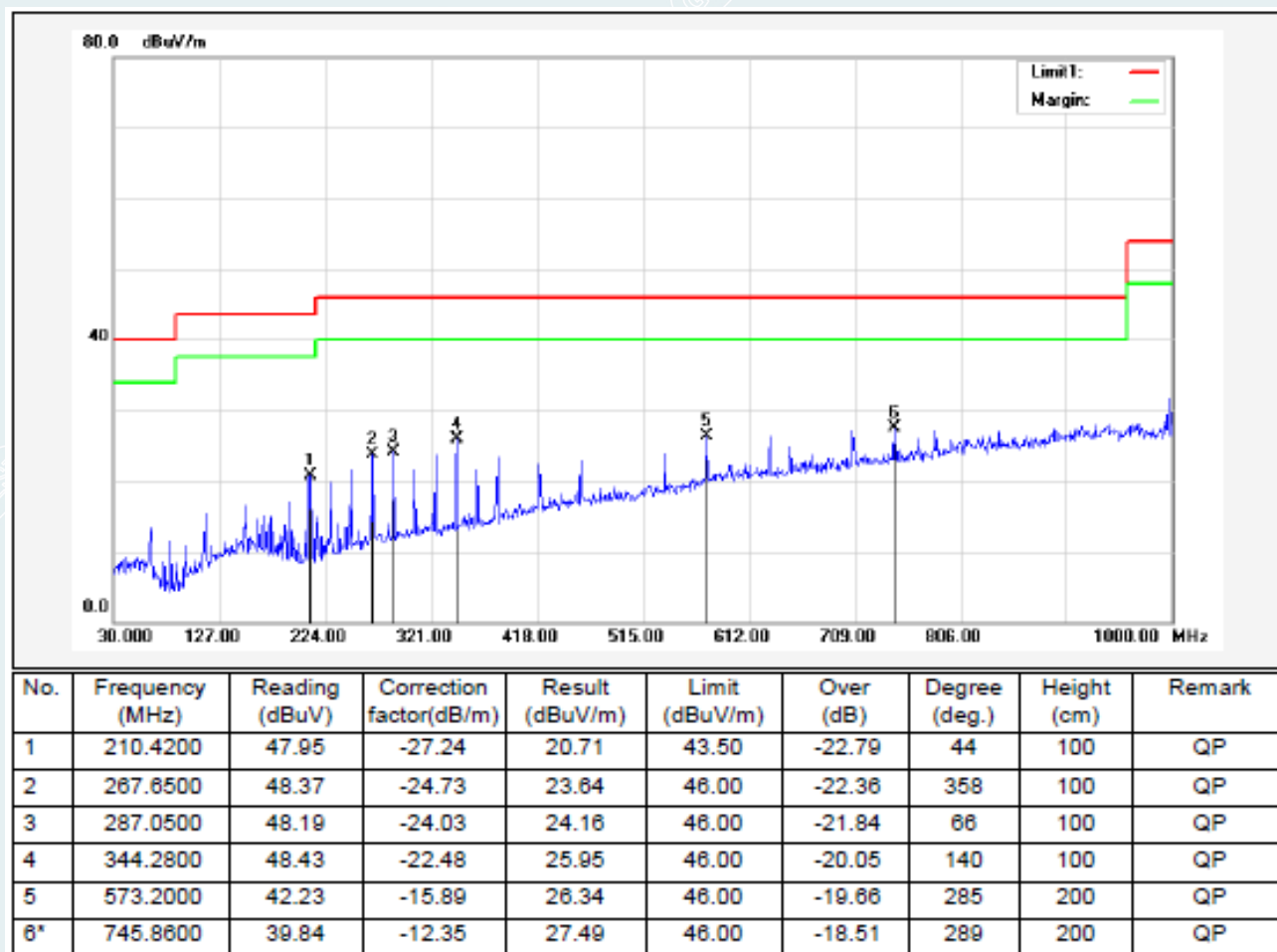
Test Engineer: Zeng Xianglong

Channel :5825MHz

Power supply:DC 12V

Test Date: 2022-04-04

Probe : Vertical

**Remark:**

- 1 No emission found between lowest internal used/generated frequency to 30MHz.
- 2 Radiated emissions measured in frequency range from 9 kHz 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

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Mode: Mode 1/ IEEE 802.11a

Temp. /Hum.:25°C/60%RH

Test Engineer: Lu Qiang

Channel :5180MHz

Power supply:DC 12V

Test Date: 2022-04-08

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1671.4000	64.82	42.16	-22.66	74.00	31.84	100	118	Horizontal
2	1998.4000	64.62	44.26	-20.36	68.30	24.04	100	312	Horizontal
3	2389.0000	65.63	46.14	-19.49	74.00	27.86	100	234	Horizontal
4	3494.8000	64.34	49.22	-15.12	68.30	19.08	100	45	Horizontal
5	5846.2000	50.80	47.99	-2.81	68.30	20.31	100	81	Horizontal
6	8738.0000	48.15	46.97	-1.18	68.30	21.33	100	230	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	1115.2000	68.39	46.29	-22.10	74.00	27.71	100	7	Vertical
2	1994.8000	67.68	47.92	-19.76	68.30	20.38	100	323	Vertical
3	2649.4000	64.60	46.66	-17.94	68.30	21.64	200	206	Vertical
4	3196.0000	62.72	45.85	-16.87	68.30	22.45	100	346	Vertical
5	6370.0000	59.84	52.88	-6.96	68.30	15.42	100	52	Vertical
6	9143.9000	46.75	47.50	0.75	74.00	26.50	200	255	Vertical

Mode: Mode 1/ IEEE 802.11a

Temp. /Hum.:25℃/60%RH

Test Engineer: Lu Qiang

Channel :5200MHz

Power supply:DC 12V

Test Date: 2022-04-08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.8000	64.13	41.52	-22.61	74.00	32.48	100	115	Horizontal
2	2396.8000	64.64	45.14	-19.50	68.30	23.16	100	112	Horizontal
3	2795.2000	63.38	46.48	-16.90	74.00	27.52	100	258	Horizontal
4	3199.0000	62.17	45.99	-16.18	68.30	22.31	100	348	Horizontal
5	4249.0000	58.81	45.43	-13.38	74.00	28.57	100	301	Horizontal
6	5902.6000	51.22	48.44	-2.78	68.30	19.86	200	137	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	1555.6000	70.38	46.93	-23.45	74.00	27.07	200	1	Vertical
2	1999.0000	68.52	48.82	-19.70	68.30	19.48	100	323	Vertical
3	2790.4000	63.41	45.91	-17.50	74.00	28.09	100	358	Vertical
4	3197.2000	62.47	45.59	-16.88	68.30	22.71	200	271	Vertical
5	4249.6000	59.63	46.45	-13.18	74.00	27.55	100	116	Vertical
6	6393.4000	60.55	53.95	-6.60	68.30	14.35	100	290	Vertical

Mode: Mode 1/ IEEE 802.11a

Temp. /Hum.:25℃/60%RH

Test Engineer: Lu Qiang

Channel :5240MHz

Power supply:DC 12V

Test Date: 2022-04-08

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1117.6000	63.06	38.38	-24.68	74.00	35.62	200	67	Horizontal
2	1555.0000	61.54	39.38	-22.16	74.00	34.62	100	259	Horizontal
3	2313.4000	59.10	40.18	-18.92	74.00	33.82	200	5	Horizontal
4	3337.6000	58.51	41.66	-16.85	74.00	32.34	100	346	Horizontal
5	6986.8000	49.72	46.57	-3.15	68.30	21.73	200	178	Horizontal
6	10172.4000	46.44	48.35	1.91	68.30	19.95	200	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	1124.2000	66.55	44.13	-22.42	74.00	29.87	100	20	Vertical
2	1354.0000	64.65	43.37	-21.28	74.00	30.63	100	193	Vertical
3	1555.6000	67.24	43.79	-23.45	74.00	30.21	200	175	Vertical
4	2319.4000	66.21	48.05	-18.16	74.00	25.95	100	27	Vertical
5	3650.2000	54.95	40.00	-14.95	74.00	34.00	100	327	Vertical
6	5901.4000	51.43	48.87	-2.56	68.30	19.43	200	344	Vertical

Mode: Mode 1/ IEEE 802.11a

Temp. /Hum.:25℃/60%RH

Test Engineer: Lu Qiang

Channel :5260MHz

Power supply:DC 12V

Test Date: 2022-04-08

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1114.0000	62.93	38.21	-24.72	74.00	35.79	200	65	Horizontal
2	1669.0000	60.46	37.82	-22.64	74.00	36.18	100	120	Horizontal
3	2200.6000	57.04	38.75	-18.29	74.00	35.25	200	49	Horizontal
4	2649.4000	57.85	39.31	-18.54	68.30	28.99	100	103	Horizontal
5	3506.2000	56.15	41.05	-15.10	68.30	27.25	100	334	Horizontal
6	6994.6000	49.29	46.38	-2.91	68.30	21.92	200	279	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	1120.0000	66.02	43.75	-22.27	74.00	30.25	100	14	Vertical
2	1353.4000	63.24	41.96	-21.28	74.00	32.04	200	26	Vertical
3	1555.0000	65.37	41.92	-23.45	74.00	32.08	100	53	Vertical
4	2194.6000	61.30	41.00	-20.30	68.30	27.30	100	317	Vertical
5	2650.6000	61.19	43.25	-17.94	68.30	25.05	100	313	Vertical
6	5906.8000	51.71	48.67	-3.04	68.30	19.63	200	286	Vertical

Mode: Mode 1/ IEEE 802.11a
Temp. /Hum.:25℃/60%RH
Test Engineer: Lu Qiang

Channel :5280MHz
Power supply:DC 12V
Test Date: 2022-04-08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1249.6000	60.86	39.23	-21.63	68.30	29.07	100	147	Horizontal
2	2148.4000	61.39	42.16	-19.23	68.30	26.14	200	311	Horizontal
3	3197.2000	63.18	47.01	-16.17	68.30	21.29	100	118	Horizontal
4	3487.0000	63.88	48.69	-15.19	68.30	19.61	100	80	Horizontal
5	3748.6000	60.22	45.34	-14.88	74.00	28.66	100	47	Horizontal
6	5903.8000	51.88	48.99	-2.89	68.30	19.31	200	33	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	1063.0000	70.91	48.52	-22.39	74.00	25.48	100	0	Vertical
2	1995.4000	66.66	46.91	-19.75	68.30	21.39	100	291	Vertical
3	2266.6000	67.87	49.17	-18.70	74.00	24.83	100	287	Vertical
4	2399.2000	66.25	47.75	-18.50	68.30	20.55	100	281	Vertical
5	2791.6000	64.74	47.24	-17.50	74.00	26.76	100	359	Vertical
6	6368.8000	59.60	52.62	-6.98	68.30	15.68	100	58	Vertical

Mode: Mode 1/ IEEE 802.11a

Temp. /Hum.:25℃/60%RH

Test Engineer: Lu Qiang

Channel :5320MHz

Power supply:DC 12V

Test Date: 2022-04-08

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1113.4000	63.44	38.72	-24.72	74.00	35.28	200	70	Horizontal
2	1353.4000	62.80	40.18	-22.62	74.00	33.82	100	102	Horizontal
3	1669.0000	62.40	39.76	-22.64	74.00	34.24	100	120	Horizontal
4	2396.8000	64.18	44.68	-19.50	68.30	23.62	100	49	Horizontal
5	3191.8000	61.53	45.39	-16.14	68.30	22.91	100	315	Horizontal
6	5837.8000	51.09	48.19	-2.90	68.30	20.11	200	106	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	1063.6000	69.93	47.55	-22.38	74.00	26.45	100	0	Vertical
2	1991.2000	65.74	45.92	-19.82	68.30	22.38	100	301	Vertical
3	2396.2000	67.81	49.36	-18.45	68.30	18.94	100	276	Vertical
4	3196.6000	65.15	48.28	-16.87	68.30	20.02	100	322	Vertical
5	4267.0000	60.34	47.39	-12.95	74.00	26.61	100	344	Vertical
6	6382.6000	57.85	51.08	-6.77	68.30	17.22	100	67	Vertical

Mode: Mode 1/ IEEE 802.11a
Temp. /Hum.:25℃/60%RH
Test Engineer: Lu Qiang

Channel :5500MHz
Power supply:DC 12V
Test Date: 2022-04-08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1244.2000	61.40	39.62	-21.78	68.30	28.68	200	18	Horizontal
2	1664.8000	62.58	39.97	-22.61	74.00	34.03	100	115	Horizontal
3	2398.0000	63.28	43.77	-19.51	68.30	24.53	100	254	Horizontal
4	3197.2000	60.91	44.74	-16.17	68.30	23.56	100	121	Horizontal
5	3746.8000	58.16	43.29	-14.87	74.00	30.71	100	140	Horizontal
6	5897.8000	51.56	49.01	-2.55	68.30	19.29	200	236	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	1123.6000	68.00	45.60	-22.40	74.00	28.40	100	9	Vertical
2	1295.2000	67.45	44.30	-23.15	68.30	24.00	100	356	Vertical
3	1727.8000	63.53	42.12	-21.41	68.30	26.18	100	292	Vertical
4	2396.8000	67.12	48.66	-18.46	68.30	19.64	100	298	Vertical
5	3324.4000	63.67	47.72	-15.95	68.30	20.58	100	275	Vertical
6	6374.8000	62.50	55.61	-6.89	68.30	12.69	100	64	Vertical

Mode: Mode 1/ IEEE 802.11a
Temp. /Hum.:25℃/60%RH
Test Engineer: Lu Qiang

Channel :5580MHz
Power supply:DC 12V
Test Date: 2022-04-08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1242.4000	60.64	38.81	-21.83	68.30	29.49	100	330	Horizontal
2	1555.0000	64.14	41.98	-22.16	74.00	32.02	100	222	Horizontal
3	2389.0000	64.46	44.97	-19.49	74.00	29.03	100	255	Horizontal
4	3194.2000	62.87	46.72	-16.15	68.30	21.58	100	320	Horizontal
5	3734.8000	61.38	46.54	-14.84	74.00	27.46	100	79	Horizontal
6	5901.4000	50.93	48.26	-2.67	68.30	20.04	200	262	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	1064.2000	70.57	48.21	-22.36	74.00	25.79	100	359	Vertical
2	1597.0000	68.69	45.38	-23.31	74.00	28.62	100	45	Vertical
3	2391.4000	67.69	49.31	-18.38	68.30	18.99	100	245	Vertical
4	3190.6000	67.43	50.58	-16.85	68.30	17.72	100	298	Vertical
5	4000.6000	60.27	46.09	-14.18	74.00	27.91	100	272	Vertical
6	6401.8000	59.58	53.08	-6.50	68.30	15.22	100	62	Vertical

Mode: Mode 1/ IEEE 802.11a
Temp. /Hum.:25℃/60%RH
Test Engineer: Lu Qiang

Channel :5700MHz
Power supply:DC 12V
Test Date: 2022-04-08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1555.0000	65.91	43.75	-22.16	74.00	30.25	100	308	Horizontal
2	2323.0000	67.01	47.96	-19.05	74.00	26.04	100	52	Horizontal
3	2647.0000	63.40	44.87	-18.53	68.30	23.43	100	359	Horizontal
4	3187.6000	62.36	46.25	-16.11	68.30	22.05	100	120	Horizontal
5	4249.6000	57.22	43.84	-13.38	74.00	30.16	100	295	Horizontal
6	7871.2000	49.54	45.90	-3.64	68.30	22.40	200	46	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	1064.8000	68.96	46.61	-22.35	74.00	27.39	100	2	Vertical
2	1324.6000	67.67	45.52	-22.15	74.00	28.48	100	0	Vertical
3	2393.8000	68.06	49.65	-18.41	68.30	18.65	200	357	Vertical
4	3200.2000	65.30	48.41	-16.89	68.30	19.89	100	311	Vertical
5	4307.2000	60.99	48.48	-12.51	74.00	25.52	100	321	Vertical
6	6407.2000	61.12	54.63	-6.49	68.30	13.67	100	74	Vertical

Mode: Mode 1/ IEEE 802.11a

Temp. /Hum.:25℃/60%RH

Test Engineer: Lu Qiang

Channel :5745MHz

Power supply:DC 12V

Test Date: 2022-04-08

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1111.6000	64.14	39.40	-24.74	74.00	34.60	200	73	Horizontal
2	1675.6000	62.68	39.99	-22.69	74.00	34.01	100	119	Horizontal
3	1994.8000	62.28	41.98	-20.30	68.30	26.32	100	315	Horizontal
4	2521.6000	61.56	43.90	-17.66	68.30	24.40	100	127	Horizontal
5	3194.2000	60.84	44.69	-16.15	68.30	23.61	100	324	Horizontal
6	3493.6000	58.99	43.86	-15.13	68.30	24.44	100	136	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	1326.4000	68.73	46.64	-22.09	74.00	27.36	100	340	Vertical
2	1669.6000	64.47	42.61	-21.86	74.00	31.39	200	336	Vertical
3	2393.2000	69.04	50.64	-18.40	68.30	17.66	100	353	Vertical
4	3194.2000	69.63	52.77	-16.86	68.30	15.53	100	303	Vertical
5	4310.8000	62.11	49.59	-12.52	74.00	24.41	100	4	Vertical
6	6388.6000	61.78	55.10	-6.68	68.30	13.20	100	76	Vertical

Mode: Mode 1/ IEEE 802.11a

Temp. /Hum.:25℃/60%RH

Test Engineer: Lu Qiang

Channel :5785MHz

Power supply:DC 12V

Test Date: 2022-04-08

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1111.0000	63.02	38.27	-24.75	74.00	35.73	100	212	Horizontal
2	1672.0000	63.17	40.50	-22.67	74.00	33.50	100	118	Horizontal
3	2393.2000	63.42	43.92	-19.50	68.30	24.38	100	141	Horizontal
4	2653.0000	62.57	44.02	-18.55	68.30	24.28	100	50	Horizontal
5	3191.2000	61.56	45.43	-16.13	68.30	22.87	100	349	Horizontal
6	5182.6000	50.86	44.25	-6.61	68.30	24.05	100	251	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	1312.0000	68.03	45.45	-22.58	74.00	28.55	100	2	Vertical
2	1991.8000	66.80	46.99	-19.81	68.30	21.31	100	327	Vertical
3	2397.4000	66.92	48.45	-18.47	68.30	19.85	100	268	Vertical
4	2791.6000	65.88	48.38	-17.50	74.00	25.62	100	8	Vertical
5	3199.6000	70.11	53.22	-16.89	68.30	15.08	100	301	Vertical
6	6399.4000	61.62	55.11	-6.51	68.30	13.19	100	76	Vertical

Mode: Mode 1/ IEEE 802.11a
Temp. /Hum.:25℃/60%RH
Test Engineer: Lu Qiang

Channel :5825MHz
Power supply:DC 12V
Test Date: 2022-04-08

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1244.8000	66.08	44.32	-21.76	68.30	23.98	100	42	Horizontal
2	1998.4000	60.94	40.58	-20.36	68.30	27.72	100	145	Horizontal
3	2391.4000	63.98	44.48	-19.50	68.30	23.82	100	298	Horizontal
4	3187.0000	60.20	44.10	-16.10	68.30	24.20	100	324	Horizontal
5	5046.4000	52.53	45.40	-7.13	74.00	28.60	200	294	Horizontal
6	6998.2000	48.41	45.61	-2.80	68.30	22.69	200	113	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	1112.8000	66.53	44.51	-22.02	74.00	29.49	100	12	Vertical
2	1594.0000	65.08	41.76	-23.32	74.00	32.24	200	60	Vertical
3	2394.4000	68.15	49.73	-18.42	68.30	18.57	100	281	Vertical
4	3191.2000	67.09	50.24	-16.85	68.30	18.06	100	272	Vertical
5	4000.0000	61.62	47.44	-14.18	74.00	26.56	100	74	Vertical
6	6385.0000	60.69	53.96	-6.73	68.30	14.34	100	54	Vertical

Mode: Mode 1/ IEEE 802.11n HT20

Temp. /Hum.:25℃/60%RH

Test Engineer: Lu Qiang

Channel :5180MHz

Power supply:DC 12V

Test Date: 2022-04-09

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1122.4000	63.97	39.35	-24.62	74.00	34.65	200	57	Horizontal
2	1668.4000	63.12	40.48	-22.64	74.00	33.52	100	121	Horizontal
3	1997.2000	62.12	41.78	-20.34	68.30	26.52	100	317	Horizontal
4	2390.2000	65.43	45.94	-19.49	68.30	22.36	100	258	Horizontal
5	2788.6000	60.54	43.54	-17.00	74.00	30.46	100	255	Horizontal
6	3190.6000	61.21	45.08	-16.13	68.30	23.22	100	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	1327.0000	67.06	44.99	-22.07	74.00	29.01	100	12	Vertical
2	1998.4000	66.71	47.01	-19.70	68.30	21.29	100	298	Vertical
3	2391.4000	65.93	47.55	-18.38	68.30	20.75	100	269	Vertical
4	3193.0000	68.04	51.18	-16.86	68.30	17.12	100	275	Vertical
5	4261.6000	60.00	46.98	-13.02	74.00	27.02	100	334	Vertical
6	6400.0000	61.99	55.49	-6.50	68.30	12.81	100	76	Vertical

Mode: Mode 1/ IEEE 802.11n HT20

Temp. /Hum.:25℃/60%RH

Test Engineer: Lu Qiang

Channel :5200MHz

Power supply:DC 12V

Test Date: 2022-04-09

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1115.8000	64.04	39.34	-24.70	74.00	34.66	200	132	Horizontal
2	1555.0000	64.73	42.57	-22.16	74.00	31.43	200	321	Horizontal
3	2147.2000	60.00	40.74	-19.26	68.30	27.56	200	318	Horizontal
4	2531.8000	60.21	42.66	-17.55	68.30	25.64	100	327	Horizontal
5	3189.4000	62.57	46.45	-16.12	68.30	21.85	100	125	Horizontal
6	5839.6000	51.86	48.98	-2.88	68.30	19.32	200	31	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	1063.6000	69.19	46.81	-22.38	74.00	27.19	100	8	Vertical
2	1995.4000	67.50	47.75	-19.75	68.30	20.55	100	307	Vertical
3	2389.0000	67.85	49.51	-18.34	74.00	24.49	100	302	Vertical
4	3197.8000	68.09	51.21	-16.88	68.30	17.09	100	276	Vertical
5	3982.0000	60.47	46.19	-14.28	74.00	27.81	100	344	Vertical
6	6382.6000	57.24	50.47	-6.77	68.30	17.83	100	292	Vertical

Mode: Mode 1/ IEEE 802.11n HT20

Temp. /Hum.:25℃/60%RH

Test Engineer: Lu Qiang

Channel :5240MHz

Power supply:DC 12V

Test Date: 2022-04-09

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1121.2000	62.88	38.24	-24.64	74.00	35.76	200	123	Horizontal
2	1676.2000	62.66	39.96	-22.70	74.00	34.04	100	119	Horizontal
3	2578.6000	60.25	42.35	-17.90	68.30	25.95	100	341	Horizontal
4	2792.8000	60.52	43.58	-16.94	74.00	30.42	100	308	Horizontal
5	3190.6000	61.45	45.32	-16.13	68.30	22.98	100	119	Horizontal
6	3499.0000	63.42	48.34	-15.08	68.30	19.96	100	38	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	1329.4000	68.97	46.98	-21.99	74.00	27.02	100	10	Vertical
2	1726.0000	67.36	45.94	-21.42	68.30	22.36	100	289	Vertical
3	2394.4000	64.79	46.37	-18.42	68.30	21.93	100	282	Vertical
4	3197.2000	66.11	49.23	-16.88	68.30	19.07	100	282	Vertical
5	3998.8000	62.39	48.20	-14.19	74.00	25.80	100	75	Vertical
6	6370.6000	60.35	53.40	-6.95	68.30	14.90	100	58	Vertical

Mode: Mode 1/ IEEE 802.11n HT20

Temp. /Hum.:25℃/60%RH

Test Engineer: Zhang Zishan

Channel :5260MHz

Power supply:DC 12V

Test Date: 2022-04-12

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1762.6000	65.07	42.70	-22.37	68.30	25.60	200	326	Horizontal
2	2389.6000	64.82	45.33	-19.49	74.00	28.67	100	242	Horizontal
3	3199.6000	62.89	46.70	-16.19	68.30	21.60	100	70	Horizontal
4	3506.8000	56.65	41.55	-15.10	68.30	26.75	100	341	Horizontal
5	5848.0000	51.00	48.21	-2.79	68.30	20.09	200	121	Horizontal
6	8817.2000	46.80	45.46	-1.34	68.30	22.84	100	271	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	1748.2000	71.71	50.35	-21.36	68.30	17.95	100	356	Vertical
2	2396.2000	67.75	49.30	-18.45	68.30	19.00	100	236	Vertical
3	3194.8000	70.20	53.33	-16.87	68.30	14.97	100	281	Vertical
4	4252.6000	61.95	48.81	-13.14	74.00	25.19	100	131	Vertical
5	6379.6000	60.07	53.26	-6.81	68.30	15.04	100	50	Vertical
6	9830.3000	46.30	47.70	1.40	68.30	20.60	100	161	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	4244.2436	-13.15	42.22	29.07	54.00	24.93	100	1.9	Vertical

Mode: Mode 1/ IEEE 802.11n HT20
Temp. /Hum.:25℃/60%RH
Test Engineer: Zhang Zishan

Channel :5280MHz
Power supply:DC 12V
Test Date: 2022-04-12

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1122.4000	64.18	39.56	-24.62	74.00	34.44	200	67	Horizontal
2	1676.2000	63.44	40.74	-22.70	74.00	33.26	100	122	Horizontal
3	1991.2000	63.17	42.92	-20.25	68.30	25.38	100	360	Horizontal
4	2397.4000	66.21	46.70	-19.51	68.30	21.60	100	259	Horizontal
5	3195.4000	63.33	47.17	-16.16	68.30	21.13	100	314	Horizontal
6	5845.6000	51.00	48.18	-2.82	68.30	20.12	200	226	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	1063.0000	68.94	46.55	-22.39	74.00	27.45	100	360	Vertical
2	1994.8000	66.95	47.19	-19.76	68.30	21.11	100	299	Vertical
3	2653.0000	69.35	51.43	-17.92	68.30	16.87	200	8	Vertical
4	3188.8000	68.63	51.79	-16.84	68.30	16.51	100	304	Vertical
5	6392.2000	61.35	54.73	-6.62	68.30	13.57	100	62	Vertical
6	14795.7000	43.29	50.73	7.44	68.30	17.57	100	131	Vertical

Mode: Mode 1/ IEEE 802.11n HT20

Temp. /Hum.:25℃/60%RH

Test Engineer: Zhang Zishan

Channel :5320MHz

Power supply:DC 12V

Test Date: 2022-04-12

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1117.0000	64.29	39.61	-24.68	74.00	34.39	200	64	Horizontal
2	1669.0000	61.58	38.94	-22.64	74.00	35.06	100	124	Horizontal
3	2318.8000	61.35	42.36	-18.99	74.00	31.64	200	174	Horizontal
4	3546.4000	55.83	40.53	-15.30	68.30	27.77	200	305	Horizontal
5	5905.0000	51.27	48.27	-3.00	68.30	20.03	200	110	Horizontal
6	8405.8000	47.73	44.83	-2.90	74.00	29.17	200	265	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	1115.2000	66.24	44.14	-22.10	74.00	29.86	100	37	Vertical
2	1666.6000	62.60	40.71	-21.89	74.00	33.29	100	190	Vertical
3	2320.6000	72.04	53.90	-18.14	74.00	20.10	100	277	Vertical
4	2645.2000	61.55	43.57	-17.98	68.30	24.73	100	349	Vertical
5	5851.0000	50.63	47.67	-2.96	68.30	20.63	200	241	Vertical
6	9130.7000	46.49	46.95	0.46	74.00	27.05	100	190	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	2316.9102	-18.15	46.92	28.77	54.00	25.23	100	2.1	Vertical

Mode: Mode 1/ IEEE 802.11n HT20

Temp. /Hum.:25℃/60%RH

Test Engineer: Zhang Zishan

Channel :5500MHz

Power supply:DC 12V

Test Date: 2022-04-12

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1249.6000	68.17	46.54	-21.63	68.30	21.76	100	72	Horizontal
2	2397.4000	66.49	46.98	-19.51	68.30	21.32	100	124	Horizontal
3	3194.8000	63.34	47.18	-16.16	68.30	21.12	100	208	Horizontal
4	3988.6000	56.26	41.71	-14.55	74.00	32.29	100	46	Horizontal
5	5845.0000	51.16	48.33	-2.83	68.30	19.97	100	30	Horizontal
6	9256.1000	46.35	46.42	0.07	68.30	21.88	100	269	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	1181.2000	68.72	44.93	-23.79	74.00	29.07	100	331	Vertical
2	2323.6000	72.36	54.26	-18.10	74.00	19.74	100	68	Vertical
3	2389.6000	71.43	53.08	-18.35	74.00	20.92	100	283	Vertical
4	3194.8000	68.26	51.39	-16.87	68.30	16.91	100	312	Vertical
5	4258.6000	59.08	46.02	-13.06	74.00	27.98	100	136	Vertical
6	6383.8000	59.92	53.17	-6.75	68.30	15.13	100	62	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	2323.1120	-18.10	49.74	31.64	54.00	22.36	100	16	Vertical
2	2391.6073	-18.35	53.45	35.10	53.91	18.81	100	1.9	Vertical

Mode: Mode 1/ IEEE 802.11n HT20

Temp. /Hum.:25℃/60%RH

Test Engineer: Zhang Zishan

Channel :5580MHz

Power supply:DC 12V

Test Date: 2022-04-12

Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1111.0000	66.03	41.28	-24.75	74.00	32.72	200	62	Horizontal
2	1668.4000	63.78	41.14	-22.64	74.00	32.86	100	121	Horizontal
3	2398.0000	66.48	46.97	-19.51	68.30	21.33	100	124	Horizontal
4	3186.4000	63.10	47.00	-16.10	68.30	21.30	100	317	Horizontal
5	5848.0000	51.10	48.31	-2.79	68.30	19.99	100	154	Horizontal
6	9209.9000	46.14	46.89	0.75	68.30	21.41	100	246	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	1396.6000	67.53	46.46	-21.07	74.00	27.54	100	349	Vertical
2	2324.2000	72.14	54.05	-18.09	74.00	19.95	100	76	Vertical
3	2390.2000	72.17	53.81	-18.36	68.30	14.49	100	286	Vertical
4	3197.8000	66.83	49.95	-16.88	68.30	18.35	100	326	Vertical
5	6388.6000	59.48	52.80	-6.68	68.30	15.50	100	62	Vertical
6	15310.5000	42.79	49.39	6.60	68.30	18.91	200	288	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	2322.5731	-18.09	49.46	31.37	54.00	22.63	100	12	Vertical
2	2390.4271	-18.36	52.70	34.34	53.90	19.56	100	2	Vertical
3	15309.5048	6.60	30.16	36.76	53.99	17.23	200	12.8	Vertical