

Test Report

Verified code: 039416

Report No.: E202407050641-6

Customer: Huizhou Desay SV Automotive Co., Ltd.

Address: No 103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou City, 516006 Guangdong, P.R. China

Sample Name: Multimedia Player Assembly

Sample Model: TR4314/40

Receive Sample Date: Jul.09,2024

Test Date: Jul.16,2024 ~ Aug.30,2024

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

Test Result: Pass

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Huang Lifang

Reviewed by: Wu Haoting
Wu Haoting

Approved by: Xiao Liang
Xiao Liang



GRG METROLOGY & TEST GROUP CO., LTD.

Issued Date: 2024-10-23

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REPORT ISSUED HISTORY

Report Version	Report No.	Description	Compile Date
1.0	E202407050641-6	Original Issue	2024-10-08

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1. TEST RESULT SUMMARY

Standard	Item	Limit / Severity	Result
47 CFR, 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)	N/A ²⁾
	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 ¹⁾

Note:¹⁾ The antenna is PCB antenna. The max gain of antenna is 1.6dBi, which accordance 15.203 is considered sufficient to comply with the provisions of this section.

²⁾Test is not applicable to this Equipment. This EUT is no AC mains power ports.

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2. GENERAL DESCRIPTION OF EUT

2.1 APPLICANT

Name: Huizhou Desay SV Automotive Co., Ltd.
Address: No 103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou City, 516006 Guangdong, P.R. China

2.2 MANUFACTURER

Name: Huizhou Desay SV Automotive Co., Ltd.
Address: No 103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou City, 516006 Guangdong, P.R. China

2.3 FACTORY

Name : Huizhou Desay SV Automotive Co., Ltd.
Address : No 103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou City, 516006 Guangdong, P.R. China

2.4 BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

Product Name: Multimedia Player Assembly
Product Model: TR4314/40
Adding Model: TR4334/40
Model difference description: The models are the same as function: RAM, RF module, storage capacity, Bluetooth chip, GNSS chip, FM, AM and DAB chip, Ethernet function, only the mounting bracket are different.
FCC ID: 2AEQTTR431440
Trade Mark:  Great Wall
Power Supply: DC 12V, 15A.
Frequency Band: U-NII-1: 5180MHz~5240MHz
U-NII-3: 5745MHz~5825MHz
Modulation Type: IEEE 802.11a: OFDM
IEEE 802.11n: OFDM
IEEE 802.11ac: OFDM
Antenna Specification: U-NII-1: PCB antenna with 1.6dBi antenna gain(max)
U-NII-3: PCB antenna with 1.6dBi antenna gain(max)
Channels Spacing: IEEE 802.11a: 20MHz
IEEE 802.11n HT20: 20MHz
IEEE 802.11n HT40: 40MHz
IEEE 802.11acVHT20: 20MHz
IEEE 802.11acVHT40: 40MHz
IEEE 802.11acVHT80: 80MHz

Transmit Power: U-NII-1:
12.91dBm for IEEE 802.11a
11.83dBm for IEEE 802.11n HT20
12.09dBm for IEEE 802.11acVHT20
4.59dBm for IEEE 802.11n HT40
4.50dBm for IEEE 802.11acVHT40
4.01dBm for IEEE 802.11ac VHT80
U-NII-3:
11.16dBm for IEEE 802.11a
11.55dBm for IEEE 802.11n HT20
11.48dBm for IEEE 802.11acVHT20
11.78dBm for IEEE 802.11n HT40
11.73dBm for IEEE 802.11acVHT40
9.71dBm for IEEE 802.11ac VHT80

Temperature Range: -40°C~+85°C

Hardware
Version: HW001

Software
Version: SW001

Sample submitting way: ☒ Provided by customer ☐ Sampling

Sample No: E202407050641-0002, E202407050641-0003

Note :
1.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.
2. The model TR4314/40 was tested and recorded in this report.

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2.5 CHANNEL LIST AND POWER SETTING

Mode	Frequency (MHz)	Power Setting	Frequency (MHz)	Power Setting
IEEE 802.11a	5180	default	5745	14
	5200	default	5785	14
	5240	default	5825	14

Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting
IEEE 802.11n HT20	5180	default	IEEE 802.11ac VHT20	5180	default
	5200	default		5200	default
	5240	default		5240	default
	5745	14		5745	14
	5785	14		5785	14
	5825	14		5825	14

Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting
IEEE 802.11n HT40	5190	9	IEEE 802.11ac VHT40	5190	9
	5230	9		5230	9
	5755	12		5755	12
	5795	14		5795	14

Mode	Frequency (MHz)	Power Setting	Frequency (MHz)	Power Setting
IEEE 802.11ac VHT80	5210	9	5775	12

Test software:

Software version
adb

2.6 TEST OPERATION MODE

Mode No.	Description of the modes
1	5GHz Wi-Fi fixed frequency transmitting

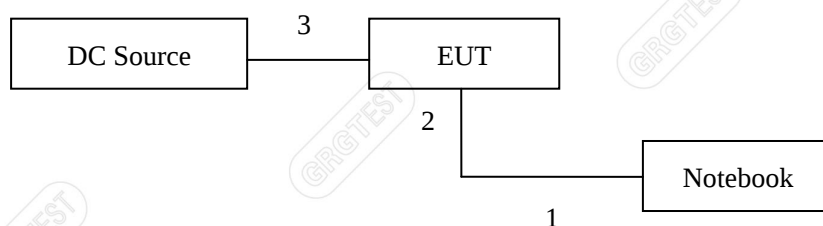
2.7 LOCAL SUPPORTIVEINSTRUMENTS

Name of equipment	Manufacturer	Model	Serial number	Note
DC Source	Keysight	E36231A	/	/
Notebook	DELL	Latitude3300	2C6CFW2	/

No.	Cable Type	Qty.	Shielded Type	Ferrite Core(Qty.)	Length
1	USB cable	1	No	0	1.0m
2	USB cable	1	No	0	1.0m
3	DC cable	1	No	0	1.5m

Note: ⁽¹⁾ The notebook is just used to produce fixed frequency transmitting.

2.8 CONFIGURATION OF SYSTEM UNDER TEST



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2.9 DUTY CYCLE

Environment: 25.2℃/48%RH 101.0kPa
Tested By: Qin Tingting

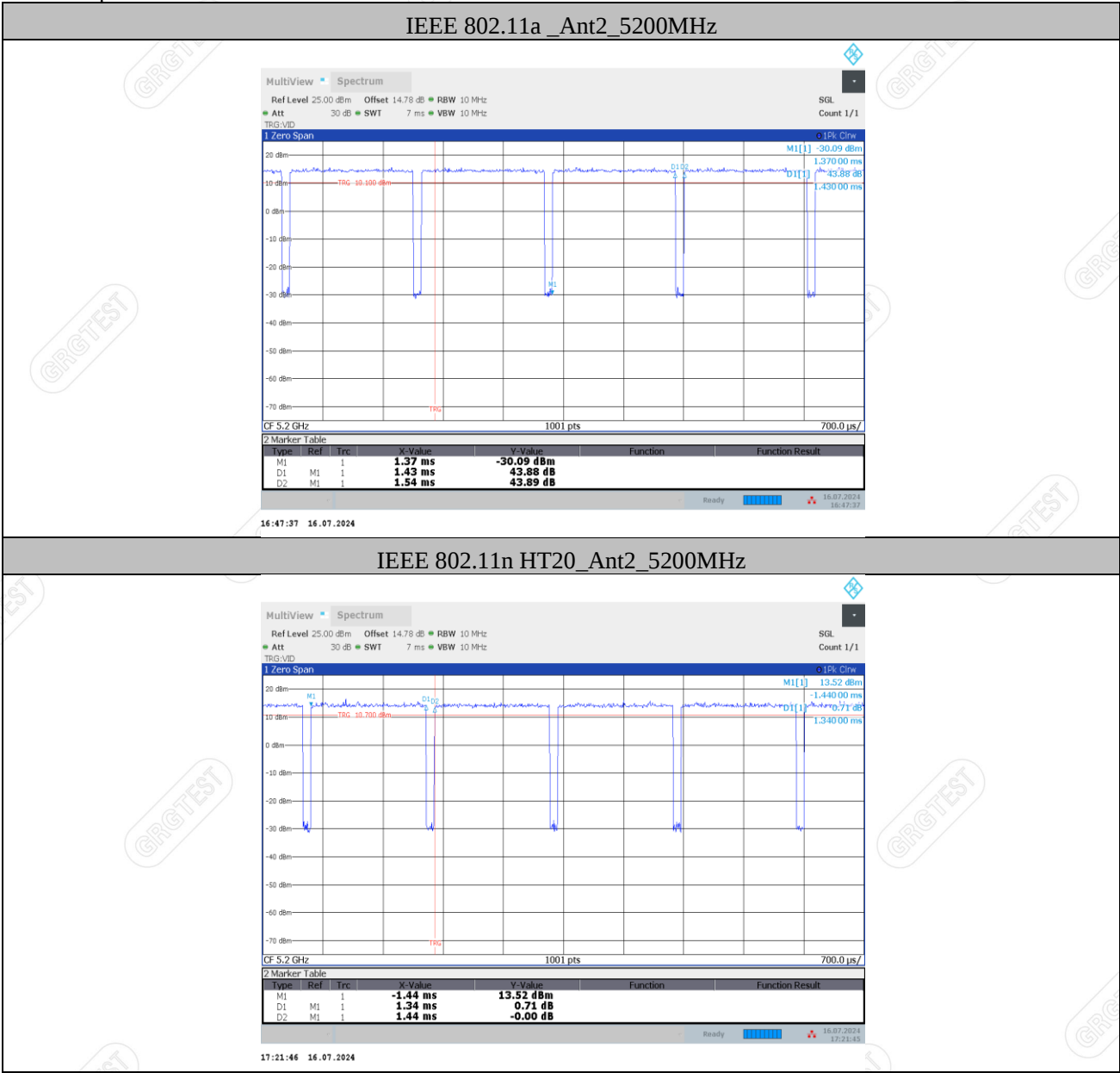
Voltage:DC 12V
Date: 2024-07-16

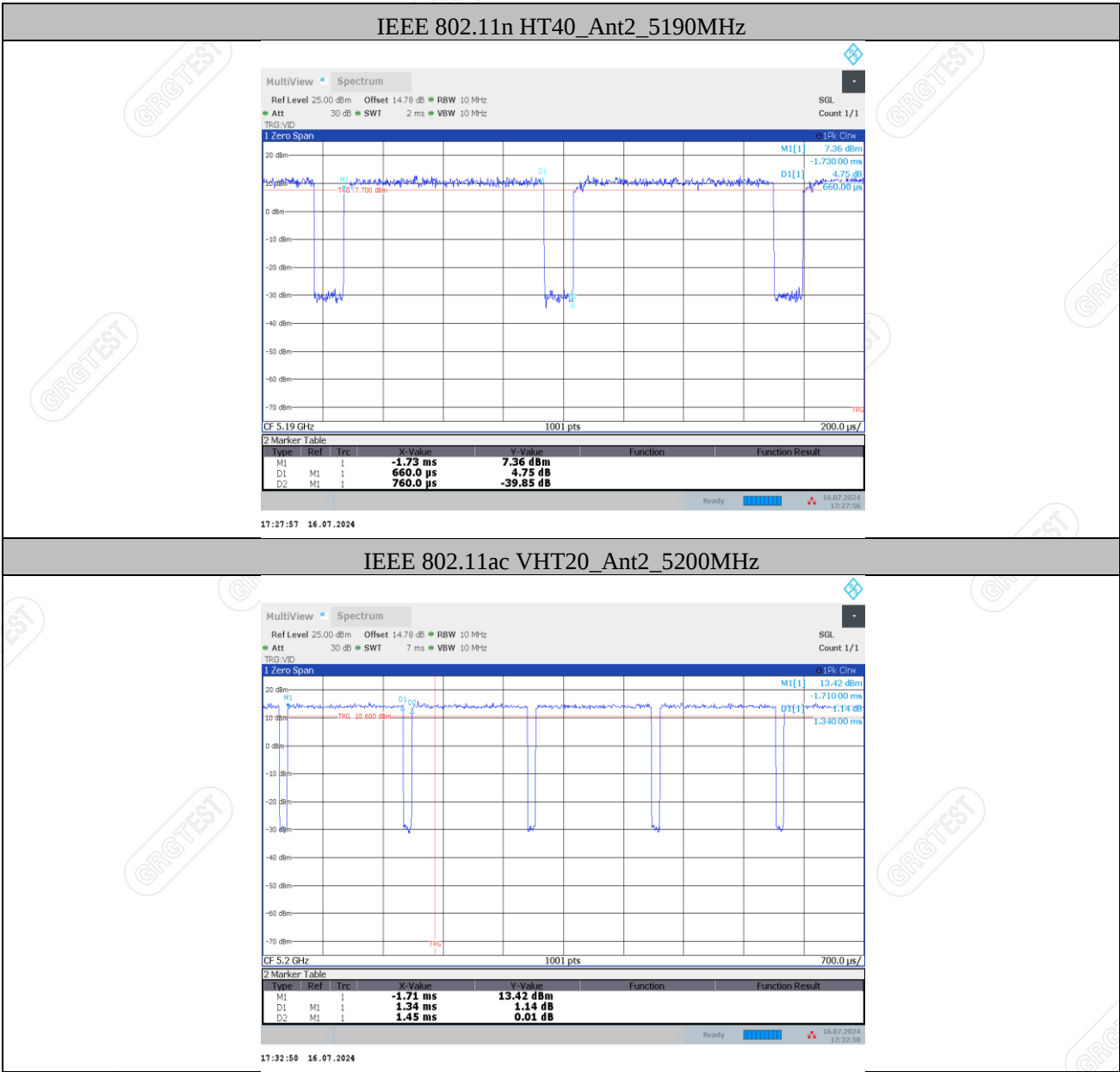
Test Mode	Antenna	Freq (MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Factor	T(s)
IEEE 802.11a	Ant2	5200	1.43	1.54	92.86	0.32	0.00143
IEEE 802.11n HT20	Ant2	5200	1.34	1.44	93.06	0.31	0.00134
IEEE 802.11n HT40	Ant2	5190	0.66	0.76	86.84	0.61	0.00066
IEEE 802.11ac VHT20	Ant2	5200	1.34	1.45	92.41	0.34	0.00134
IEEE 802.11ac VHT40	Ant2	5190	0.67	0.77	87.01	0.60	0.00067
IEEE 802.11ac VHT80	Ant2	5210	0.33	0.43	76.74	1.15	0.00033

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

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Test Graphs





IEEE 802.11ac VHT20_Ant2_5200MHz

MultiView Spectrum

Ref Level 25.00 dBm Offset 14.78 dB RBW 10 MHz

Att 30 dB SWT 7 ms VBW 10 MHz

SGL Count 1/1

TRIG:VID

1 Zero Span

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

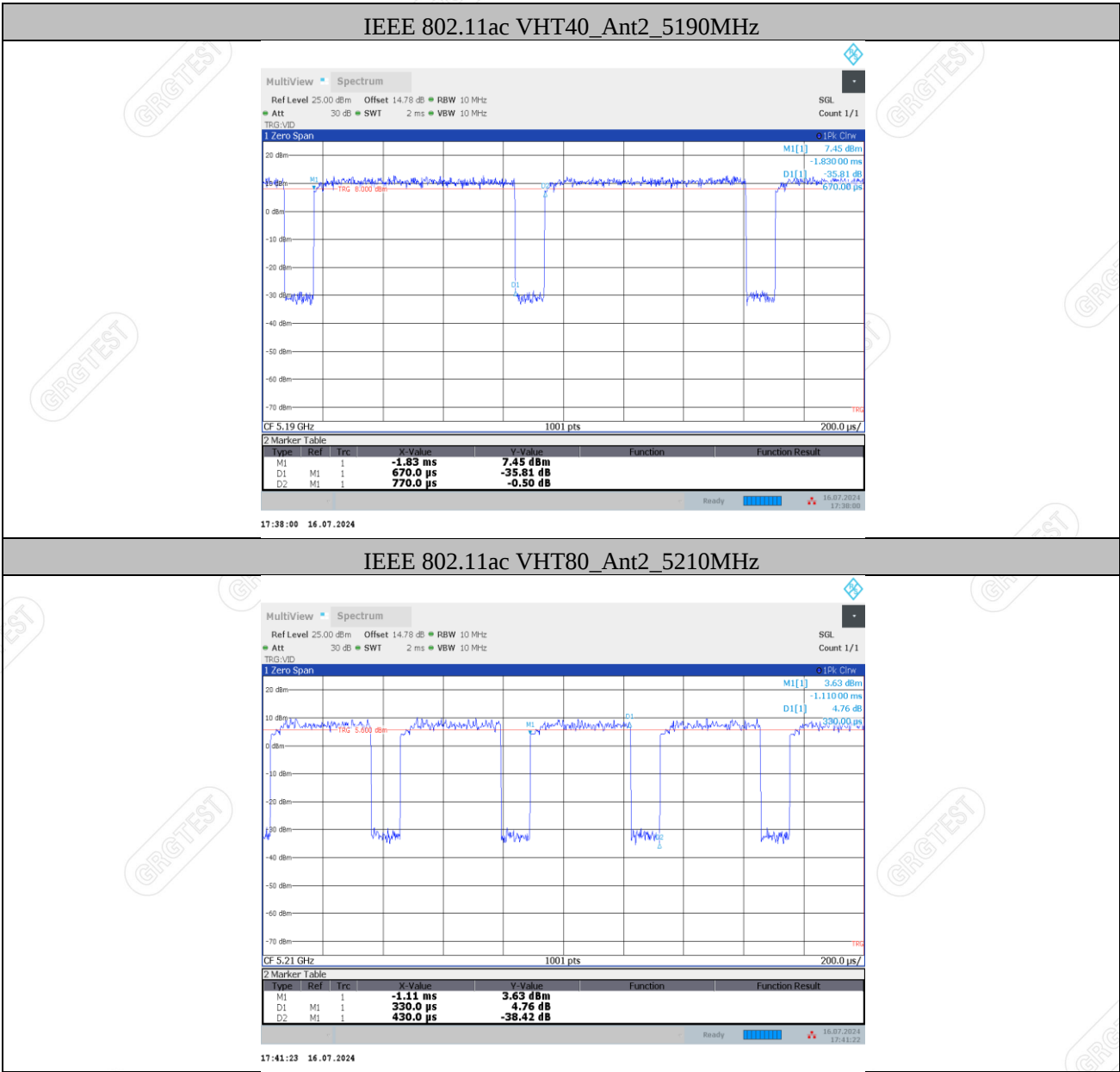
-70 dBm

CF 5.2 GHz 1001 pts 700.0 μ s/

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1	1		-1.71 ms	13.42 dBm		
D1	M1	1	1.34 ms	1.14 dB		
D2	M1	1	1.45 ms	0.01 dB		

Ready 16.07.2024 17:32:59



IEEE 802.11ac VHT80_Ant2_5210MHz

MultiView Spectrum

Ref Level 25.00 dBm Offset 14.78 dB RBW 10 MHz

Att 30 dB SWT 2 ms VBW 10 MHz

SGL Count 1/1

1 Zero Span

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

-70 dBm

CF 5.21 GHz

1001 pts

200.0 μ s

M1[1] 3.63 dBm

D1[1] -1.1100 ms

D2[1] 4.76 dB

330.00 μ s

430.0 μ s

16.07.2024 17:41:23

Ready 16.07.2024 17:41:23

3. LABORATORY AND ACCREDITATIONS AND MEASUREMENT UNCERTAINTY

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)
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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	X	9kHz~30MHz	4.4dB ¹⁾
	Y	9kHz~30MHz	4.4dB ¹⁾
	Z	9kHz~30MHz	4.4dB ¹⁾
	Horizontal	30MHz~200MHz	4.6dB ¹⁾
		200MHz~1000MHz	4.8dB ¹⁾
		1GHz~18GHz	5.0dB ¹⁾
		18GHz~40GHz	5.2dB ¹⁾
	Vertical	30MHz~200MHz	4.7dB ¹⁾
		200MHz~1000MHz	4.7dB ¹⁾
		1GHz~18GHz	5.1dB ¹⁾
		18GHz~40GHz	5.4dB ¹⁾

Measurement	Uncertainty
RF frequency	6.0×10^{-6}
RF power conducted	0.78dB
Power spectral density	0.78dB
Occupied channel bandwidth	0.40dB
Unwanted emission, conducted	0.68dB
Humidity	6.0%
Temperature	2.0°C

Note:

¹⁾ This uncertainty represents an expanded uncertainty expressed at approximately the 95%.

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
Unwanted Emissions & Band Edge				
Test Receiver	R&S	ESR26	101758	2024-09-22
Spectrum Analyzer	R&S	FSV3044	101184	2025-07-19
Bi-log Antenna	Schwarzbeck	VULB9160	VULB9160-3402	2024-10-06
Loop Antenna	Schwarzbeck	FMZB 1513-60	1513-60-56	2025-05-07
Preamplifier	SHIRONG	DLNA-30M1G-G41	20200928002	2024-10-24
Horn Antenna	Schwarzbeck	BBHA9120D	02143	2024-09-23
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	BBHA 9170-497	2024-09-18
Amplifier	Tonscend	TAP01018048	AP20E8060075	2025-03-01
Amplifier	Tonscend	TAP184050	AP20E806071	2025-03-01
Amplifier	SHIRONG	DLNA-1G18G-G40	20200928005	2025-07-19
Test S/W	Tonscend	JS32-RE/5.0.0		
99% Bandwidth & 6 dB Bandwidth & 26dB Bandwidth & Peak power spectral density & Duty cycle				
Spectrum Analyzer	R&S	FSW43	102072	2025-06-14
Automatic power measuring unit	TONSCEND	JS0806-2	21B8060365	2024-12-28
BT/WIFI System	Tonscend	JS1120-3		
Output Power				
Pulse power sensor	Anristu	MA2411B	1126150	2025-01-11
Power meter	Anristu	ML2495A	1204003	2025-01-11

Frequency Stability				
Spectrum Analyzer	R&S	FSW43	102072	2025-06-14
Automatic power measuring unit	TONSCEND	JS0806-2	21B8060365	2024-12-28
Programmable constant temperature and humidity test chamber	FC	FPHC-23AW-40	FD202306015	2024-09-10
BT/WIFI System	TONSCEND	JS1120-3	/	/

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

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5. UNWANTED 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.

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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 2.9 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

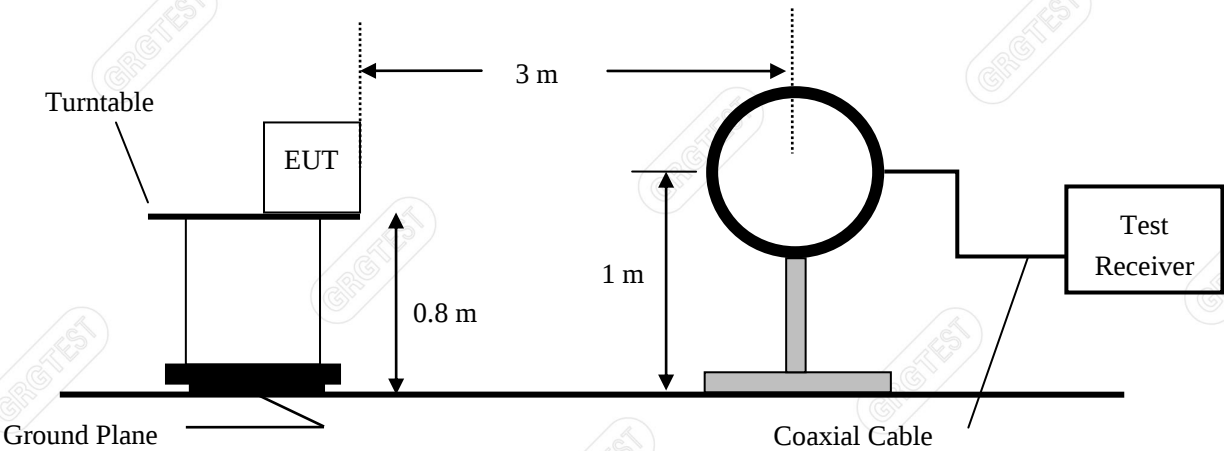


Figure 1. 9kHz to 30MHz radiated emissions test configuration

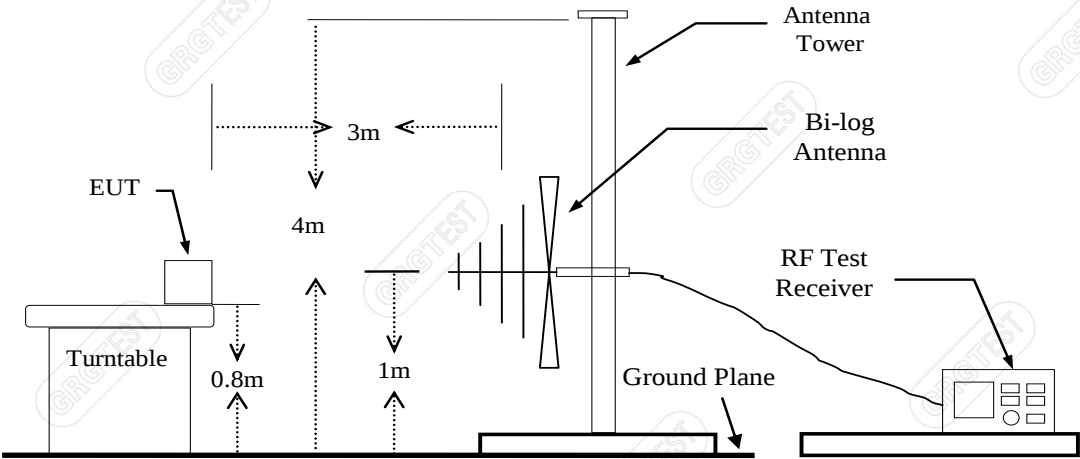


Figure 2. 30MHz to 1GHz radiated emissions test configuration

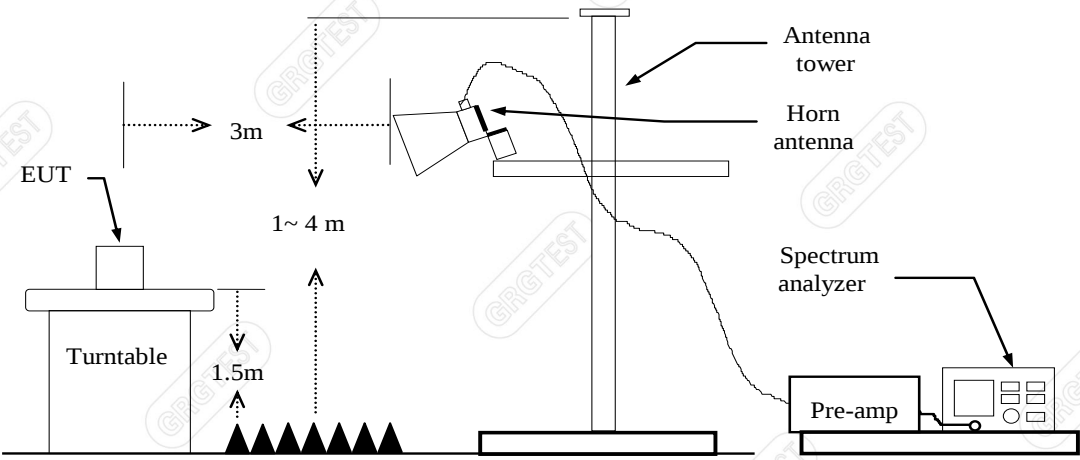


Figure 3. 1GHz to 18GHz radiated emissions test configuration

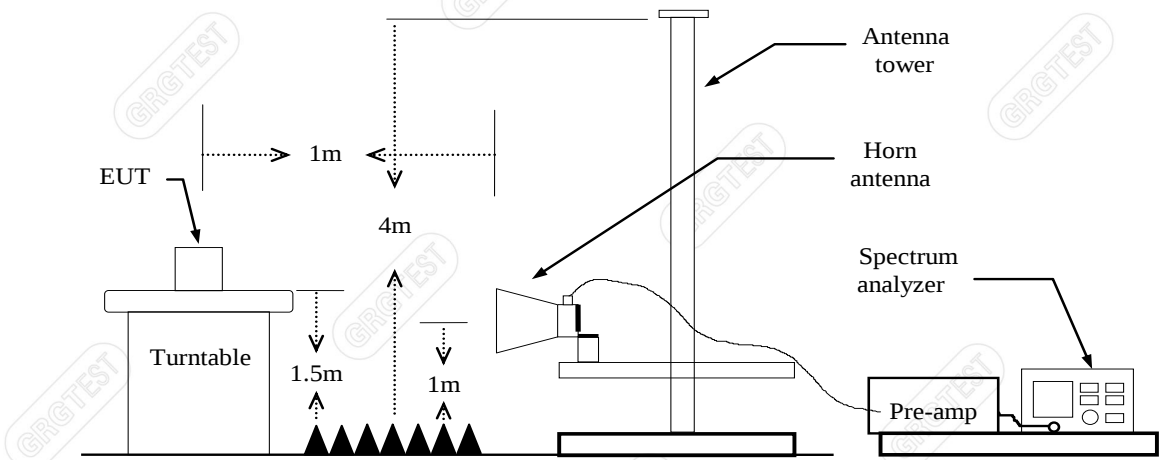


Figure 4. Above 18GHz radiated emissions test configuration

5.4 DATA SAMPLE

30MHz to 1GHz

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity
xxxx	xxxx	66.85	31.09	-35.76	40.00	8.91	PK	200	351	Horizontal

Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV/m]	Level [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
xxxx	xxxx	-31.57	71.28	39.71	46.00	6.29	100	196	Horizontal

- 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
- QP

= Quasi-peak Reading

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**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Level for 1m [dBμV/m]	Level for 3m [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Remark
xxx	xxxx	54.49	42.38	32.84	-12.11	74.00	41.16	100	211	Horizontal	Peak
xxx	xxxx	43.99	31.88	22.34	-12.11	54.00	31.66	100	211	Horizontal	AVG

Frequency (MHz)

= Emission frequency in MHz

Reading (dBuV/m)

= Uncorrected Analyzer / Receiver reading

Factor (dB)

= Antenna factor + Cable loss – Amplifier gain

Level for 1m (dBuV/m)

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

Level for 3m (dBuV/m)

= Level for 1m (dBuV/m) + 20*log(1/3)

Limit (dBuV/m)

= Limit stated in standard

Margin (dB)

= Limit (dBuV/m) – Level (dBuV/m)

Polarity

= Antenna polarization

Peak

= Peak Reading

AVG

= Average Reading

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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 5180MHz)

Mode: Mode 1/ IEEE 802.11a

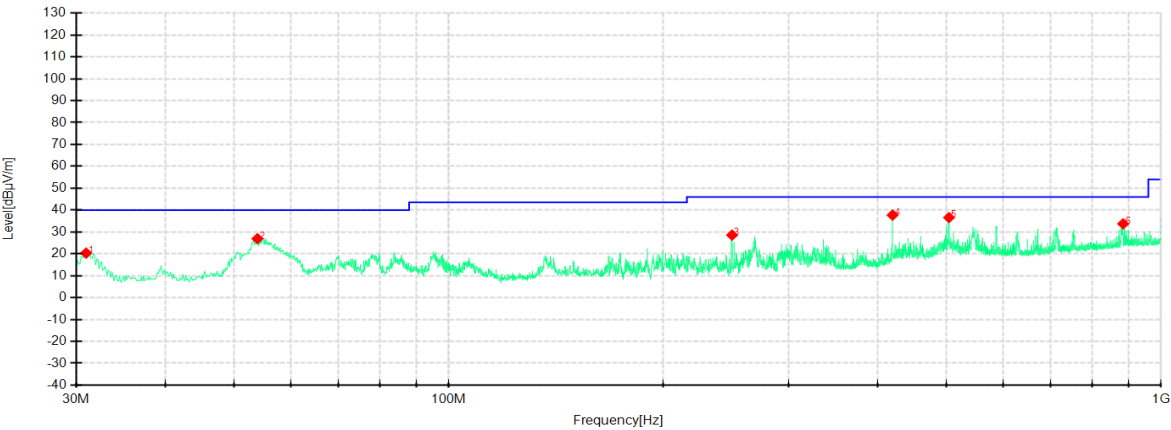
Temp. /Hum.:25.3°C/56%RH/101.0kPa

Test Engineer: Qin Tingting

Frequency:5180MHz

Power supply: DC 12V

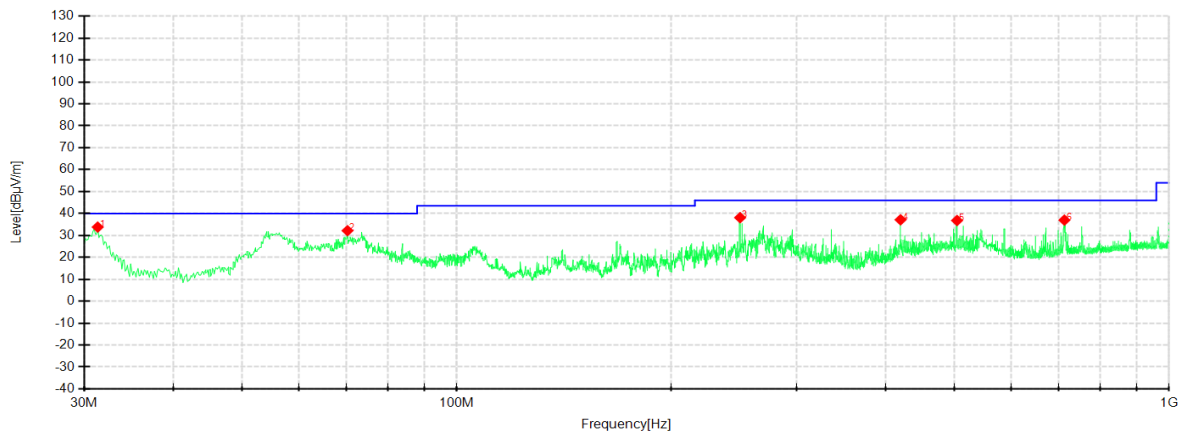
Test Date: 2024-07-22



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity
1	30.9701	50.23	20.34	-29.89	40.00	19.66	PK	200	22	Horizontal
2	53.8892	56.02	26.92	-29.10	40.00	12.92	PK	200	358	Horizontal
3	249.9750	57.98	28.56	-29.42	46.00	17.44	PK	200	48	Horizontal
4	419.9887	60.93	37.70	-23.23	46.00	8.30	PK	200	255	Horizontal
5	504.0255	58.02	36.57	-21.45	46.00	9.43	PK	200	112	Horizontal
6	884.9194	49.38	33.70	-15.68	46.00	12.30	PK	100	106	Horizontal

Mode: Mode 1/ IEEE 802.11a
Temp. /Hum.:25.3°C/56%RH/101.0kPa
Test Engineer: Qin Tingting

Frequency:5180MHz
Power supply: DC 12V
Test Date: 2024-07-22



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Trace	Height [cm]	Angle [°]	Polarity
1	31.3339	63.65	33.79	-29.86	40.00	6.21	PK	100	72	Vertical
2	70.2600	63.26	32.16	-31.10	40.00	7.84	PK	100	110	Vertical
3	249.9750	67.54	38.12	-29.42	46.00	7.88	PK	100	20	Vertical
4	419.8675	60.36	37.13	-23.23	46.00	8.87	PK	100	201	Vertical
5	504.0255	58.26	36.81	-21.45	46.00	9.19	PK	100	44	Vertical
6	713.0866	54.68	36.98	-17.70	46.00	9.02	PK	100	265	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.
- 5 If the margin of the pre test results is greater than 6db, it meets the requirements of quasipeak or average values, and final testing is no longer required.

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: IEEE 802.11a
Frequency (5180MHz)
Environment: 26.8℃/62%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-05
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2004.3000	53.77	36.84	-16.93	68.30	31.46	200	260	Horizontal
2	3453.0000	51.91	40.23	-11.68	68.30	28.07	100	2	Horizontal
3	5038.6500	49.47	51.05	1.58	74.00	22.95	100	43	Horizontal
4	7445.3000	43.56	45.70	2.14	74.00	28.30	200	124	Horizontal
5	9745.3000	40.15	49.03	8.88	68.30	19.27	200	110	Horizontal
6	15687.3500	38.90	52.73	13.83	74.00	21.27	200	189	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	5038.6500	1.58	38.57	40.15	54.00	13.85	100	43	Horizontal
2	15687.3500	13.83	27.36	41.19	54.00	12.81	200	189	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	2310.6500	53.08	37.43	-15.65	74.00	36.57	200	21	Vertical
2	4106.4000	50.18	43.69	-6.49	74.00	30.31	100	12	Vertical
3	5038.1000	48.81	50.54	1.73	74.00	23.46	200	34	Vertical
4	6462.6000	46.62	47.67	1.05	68.30	20.63	200	196	Vertical
5	13180.3500	35.95	51.64	15.69	68.30	16.66	100	85	Vertical
6	16763.7500	38.30	53.15	14.85	68.30	15.15	200	233	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	5038.1000	1.73	37.53	39.26	54.00	14.74	200	34	Vertical

Mode: IEEE 802.11a
Frequency (5200MHz)
Environment: 26.8°C/62%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-05
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1979.0000	53.25	35.91	-17.34	68.30	32.39	100	313	Horizontal
2	3152.7000	51.50	40.26	-11.24	68.30	28.04	200	246	Horizontal
3	5032.6000	50.00	51.57	1.57	74.00	22.43	100	34	Horizontal
4	6471.9500	46.20	47.16	0.96	68.30	21.14	100	8	Horizontal
5	13870.3500	36.59	52.33	15.74	68.30	15.97	200	230	Horizontal
6	16744.2000	38.76	53.33	14.57	68.30	14.97	100	35	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	5032.6000	1.57	38.97	40.54	54.00	13.46	100	34	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	2701.1500	52.93	38.74	-14.19	74.00	35.26	100	65	Vertical
2	3907.8500	50.22	43.13	-7.09	74.00	30.87	200	276	Vertical
3	5036.4500	49.41	51.15	1.74	74.00	22.85	200	34	Vertical
4	7433.8000	43.17	45.60	2.43	74.00	28.40	200	236	Vertical
5	10449.1000	38.50	49.61	11.11	68.30	18.69	200	21	Vertical
6	16092.1500	39.80	53.07	13.27	74.00	20.93	200	60	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	5036.4500	1.74	37.68	39.42	54.00	14.58	200	34	Vertical
2	16092.1500	13.27	27.59	40.86	54.00	13.14	200	60	Vertical

Mode: IEEE 802.11a
Frequency (5240MHz)
Environment: 26.8°C/62%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-05
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1737.0000	55.90	36.41	-19.49	68.30	31.89	200	13	Horizontal
2	3493.1500	52.67	41.52	-11.15	68.30	26.78	200	340	Horizontal
3	5053.5000	48.59	50.19	1.60	74.00	23.81	100	39	Horizontal
4	6497.8000	46.32	47.43	1.11	68.30	20.87	100	103	Horizontal
5	10468.6500	38.88	49.92	11.04	68.30	18.38	200	33	Horizontal
6	16556.7500	40.06	54.47	14.41	68.30	13.83	100	47	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	5053.5000	1.60	37.62	39.22	54.00	14.78	100	39	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	1624.8000	55.19	35.10	-20.09	74.00	38.90	100	340	Vertical
2	2785.8500	52.32	38.77	-13.55	74.00	35.23	100	340	Vertical
3	4411.1000	50.51	45.15	-5.36	68.30	23.15	200	70	Vertical
4	4977.6000	48.91	50.11	1.20	74.00	23.89	100	328	Vertical
5	14637.4000	36.39	52.75	16.36	68.30	15.55	200	270	Vertical
6	16077.2000	40.57	53.87	13.30	74.00	20.13	200	204	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	4977.6000	1.20	37.66	38.86	54.00	15.14	100	328	Vertical
2	16086.1570	13.30	27.21	40.51	54.00	13.49	200	51.4	Vertical

Mode: IEEE 802.11a
Frequency (5745MHz)
Environment: 26.8℃/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3829.7500	51.42	42.71	-8.71	74.00	31.29	200	349	Horizontal
2	5345.5500	48.48	49.20	0.72	68.30	19.10	200	125	Horizontal
3	5901.0500	48.92	49.63	0.71	68.30	18.67	100	21	Horizontal
4	9820.0500	40.24	48.98	8.74	68.30	19.32	100	234	Horizontal
5	11386.3500	37.85	50.15	12.30	74.00	23.85	100	194	Horizontal
6	14610.9500	35.68	52.21	16.53	68.30	16.09	200	183	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	11386.3500	12.30	26.85	39.15	54.00	14.85	100	194	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	2782.0000	51.96	38.33	-13.63	74.00	35.67	200	33	Vertical
2	4264.8000	48.87	43.91	-4.96	74.00	30.09	100	285	Vertical
3	5177.8000	47.61	49.02	1.41	68.30	19.28	200	206	Vertical
4	5899.9500	49.28	49.99	0.71	68.30	18.31	100	342	Vertical
5	10430.7000	38.25	49.03	10.78	68.30	19.27	200	18	Vertical
6	16795.9500	37.92	53.16	15.24	68.30	15.14	100	314	Vertical

Mode: IEEE 802.11a
Frequency (5785MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3140.0500	50.77	39.41	-11.36	68.30	28.89	200	136	Horizontal
2	5046.3500	47.57	49.18	1.61	74.00	24.82	200	343	Horizontal
3	5941.2000	51.01	51.72	0.71	68.30	16.58	100	360	Horizontal
4	10439.9000	38.63	49.84	11.21	68.30	18.46	200	316	Horizontal
5	14600.6000	35.58	52.17	16.59	68.30	16.13	200	262	Horizontal
6	16089.8500	39.15	52.27	13.12	74.00	21.73	100	222	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	5046.3500	1.61	36.82	38.43	54.00	15.57	200	343	Horizontal
2	16089.8500	13.12	26.86	39.98	54.00	14.02	100	222	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	2450.3500	54.92	39.84	-15.08	68.30	28.46	200	20	Vertical
2	3916.1000	49.97	42.78	-7.19	74.00	31.22	200	229	Vertical
3	5051.3000	47.15	48.86	1.71	74.00	25.14	100	320	Vertical
4	5938.4500	51.88	52.66	0.78	68.30	15.64	100	333	Vertical
5	12675.5000	36.53	50.95	14.42	74.00	23.05	100	286	Vertical
6	16737.3000	37.82	52.46	14.64	68.30	15.84	100	20	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	5051.3000	1.71	36.18	37.89	54.00	16.11	100	320	Vertical
2	12675.5000	14.42	25.84	40.26	54.00	13.74	100	286	Vertical

Mode: IEEE 802.11a
Frequency (5825MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2548.8000	52.90	38.07	-14.83	68.30	30.23	100	166	Horizontal
2	3883.1000	52.59	45.32	-7.27	74.00	28.68	100	327	Horizontal
3	5046.9000	47.56	49.17	1.61	74.00	24.83	100	313	Horizontal
4	5976.9500	50.56	50.84	0.28	68.30	17.46	100	340	Horizontal
5	10492.8000	39.23	49.76	10.53	68.30	18.54	100	117	Horizontal
6	16093.3000	38.61	51.74	13.13	74.00	22.26	100	342	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	5046.9000	1.61	38.21	39.82	54.00	14.18	100	313	Horizontal
2	16093.3000	13.13	26.83	39.96	54.00	14.04	100	342	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	1319.0000	55.79	35.87	-19.92	74.00	38.13	100	164	Vertical
2	3053.1500	51.27	39.67	-11.60	68.30	28.63	100	190	Vertical
3	5049.6500	47.76	49.47	1.71	74.00	24.53	100	100	Vertical
4	5968.7000	51.64	52.29	0.65	68.30	16.01	100	322	Vertical
5	8962.1500	41.12	47.21	6.09	68.30	21.09	100	328	Vertical
6	14662.7000	35.84	52.06	16.22	68.30	16.24	100	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	5049.6500	1.71	38.27	39.98	54.00	14.02	100	100	Vertical

Mode: IEEE 802.11n HT20
Frequency (5180MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2187.4500	53.15	37.17	-15.98	68.30	31.13	100	308	Horizontal
2	3453.0000	52.86	41.18	-11.68	68.30	27.12	100	308	Horizontal
3	5029.3000	49.20	50.77	1.57	74.00	23.23	100	21	Horizontal
4	5722.3000	47.29	47.90	0.61	68.30	20.40	200	137	Horizontal
5	9994.8500	38.83	49.16	10.33	68.30	19.14	200	326	Horizontal
6	16091.0000	38.74	51.87	13.13	74.00	22.13	200	43	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	5029.3000	1.57	37.08	38.65	54.00	15.35	100	21	Horizontal
2	16091.0000	13.13	26.87	40.00	54.00	14.00	200	43	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	1625.3500	54.96	34.87	-20.09	74.00	39.13	200	20	Vertical
2	4409.4500	50.41	45.03	-5.38	68.30	23.27	200	164	Vertical
3	5037.5500	49.47	51.20	1.73	74.00	22.80	200	20	Vertical
4	9992.5500	38.59	48.51	9.92	68.30	19.79	100	52	Vertical
5	14654.6500	37.07	53.34	16.27	68.30	14.96	100	287	Vertical
6	16086.4000	40.15	53.43	13.28	74.00	20.57	100	223	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	5037.5500	1.73	38.04	39.77	54.00	14.23	200	20	Vertical
2	16086.4000	13.28	27.87	41.15	54.00	12.85	100	223	Vertical

Mode: IEEE 802.11n HT20
Frequency (5200 MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2192.9500	52.43	36.40	-16.03	68.30	31.90	200	97	Horizontal
2	3466.7500	52.62	41.12	-11.50	68.30	27.18	100	320	Horizontal
3	5044.7000	51.14	52.74	1.60	74.00	21.26	100	20	Horizontal
4	9350.8500	39.76	47.32	7.56	74.00	26.68	100	326	Horizontal
5	11317.3500	39.28	50.62	11.34	74.00	23.38	100	194	Horizontal
6	16086.4000	39.56	52.67	13.11	74.00	21.33	100	339	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	5044.3353	1.60	40.60	42.20	54.00	11.80	121	21.4	Horizontal
2	11317.3500	11.34	27.65	38.99	54.00	15.01	100	194	Horizontal
3	16086.4000	13.11	27.86	40.97	54.00	13.03	100	339	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	1235.4000	55.02	34.49	-20.53	74.00	39.51	200	179	Vertical
2	2159.9500	52.73	36.88	-15.85	68.30	31.42	200	140	Vertical
3	3218.1500	51.39	39.52	-11.87	68.30	28.78	200	73	Vertical
4	5055.7000	50.60	52.30	1.70	74.00	21.70	200	20	Vertical
5	10152.4000	38.18	49.04	10.86	68.30	19.26	200	158	Vertical
6	16746.5000	38.51	53.18	14.67	68.30	15.12	200	132	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	5055.7000	1.70	39.13	40.83	54.00	13.17	200	20	Vertical

Mode: IEEE 802.11n HT20
Frequency (5240MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2403.0500	53.09	38.02	-15.07	68.30	30.28	200	360	Horizontal
2	3140.0500	52.02	40.66	-11.36	68.30	27.64	100	20	Horizontal
3	4982.5500	50.79	51.87	1.08	74.00	22.13	200	46	Horizontal
4	5544.6500	47.34	47.96	0.62	68.30	20.34	200	216	Horizontal
5	14652.3500	36.86	53.15	16.29	68.30	15.15	200	198	Horizontal
6	16892.5500	38.42	53.56	15.14	68.30	14.74	200	288	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	4982.5500	1.08	39.86	40.94	54.00	13.06	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	2165.4500	53.68	37.80	-15.88	68.30	30.50	100	334	Vertical
2	3814.9000	51.30	42.87	-8.43	74.00	31.13	100	19	Vertical
3	5040.3000	47.90	49.63	1.73	74.00	24.37	200	20	Vertical
4	5843.8500	47.21	48.03	0.82	68.30	20.27	200	229	Vertical
5	10595.1500	40.18	51.02	10.84	68.30	17.28	200	172	Vertical
6	16818.9500	38.49	53.79	15.30	68.30	14.51	200	341	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	5040.3000	1.73	35.64	37.37	54.00	16.63	200	20	Vertical

Mode: IEEE 802.11n HT20
Frequency (5745MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1294.8000	55.74	35.27	-20.47	68.30	33.03	200	191	Horizontal
2	3829.7500	51.86	43.15	-8.71	74.00	30.85	200	20	Horizontal
3	5060.6500	47.58	49.17	1.59	74.00	24.83	100	293	Horizontal
4	5900.5000	48.71	49.42	0.71	68.30	18.88	100	19	Horizontal
5	10306.5000	37.85	49.07	11.22	68.30	19.23	100	340	Horizontal
6	17998.8500	37.23	53.58	16.35	74.00	20.42	100	90	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	5060.6500	1.59	36.03	37.62	54.00	16.38	100	293	Horizontal
2	17998.8500	16.35	26.35	42.70	54.00	11.30	100	90	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	1749.6500	53.62	34.63	-18.99	68.30	33.67	100	20	Vertical
2	3138.9500	50.99	39.30	-11.69	68.30	29.00	100	179	Vertical
3	4972.6500	48.73	49.80	1.07	74.00	24.20	100	338	Vertical
4	5901.6000	49.19	49.91	0.72	68.30	18.39	100	338	Vertical
5	10451.4000	37.55	48.65	11.10	68.30	19.65	100	94	Vertical
6	14745.5000	36.44	52.75	16.31	68.30	15.55	100	14	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	4972.6500	1.07	36.45	37.52	54.00	16.48	100	338	Vertical

Mode: IEEE 802.11n HT20
Frequency (5785 MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2190.2000	53.63	37.63	-16.00	68.30	30.67	200	166	Horizontal
2	3902.9000	50.09	43.33	-6.76	74.00	30.67	200	284	Horizontal
3	5115.1000	48.25	49.73	1.48	74.00	24.27	200	352	Horizontal
4	5792.1500	51.56	52.26	0.70	68.30	16.04	100	360	Horizontal
5	7407.3500	43.25	45.88	2.63	74.00	28.12	100	156	Horizontal
6	10449.1000	38.02	49.43	11.41	68.30	18.87	200	262	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	5115.1000	1.48	35.83	37.31	54.00	16.69	200	352	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	3005.3000	51.78	39.98	-11.80	68.30	28.32	200	166	Vertical
2	4984.2000	47.82	49.21	1.39	74.00	24.79	100	339	Vertical
3	5792.1500	52.11	53.02	0.91	68.30	15.28	100	339	Vertical
4	7760.4000	42.89	45.36	2.47	68.30	22.94	200	9	Vertical
5	14711.0000	36.37	52.42	16.05	68.30	15.88	200	88	Vertical
6	16744.2000	38.69	53.35	14.66	68.30	14.95	200	61	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	4984.2000	1.39	36.13	37.52	54.00	16.48	100	339	Vertical

Mode: IEEE 802.11n HT20
Frequency (5825MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2456.9500	52.45	37.91	-14.54	68.30	30.39	100	194	Horizontal
2	3883.1000	52.66	45.39	-7.27	74.00	28.61	100	349	Horizontal
3	5118.9500	47.96	49.43	1.47	74.00	24.57	100	324	Horizontal
4	5967.6000	51.96	52.38	0.42	68.30	15.92	100	22	Horizontal
5	14433.8500	35.07	52.24	17.17	68.30	16.06	200	188	Horizontal
6	15741.4000	38.70	52.37	13.67	74.00	21.63	100	261	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	5118.9500	1.47	38.52	39.99	54.00	14.01	100	324	Horizontal
2	15741.4000	13.67	26.18	39.85	54.00	14.15	100	261	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	2166.5500	52.93	37.04	-15.89	68.30	31.26	200	220	Vertical
2	4274.7000	48.88	43.79	-5.09	74.00	30.21	200	350	Vertical
3	5286.7000	47.89	48.98	1.09	68.30	19.32	200	37	Vertical
4	5968.1500	50.62	51.28	0.66	68.30	17.02	100	0	Vertical
5	9371.5500	39.11	46.79	7.68	74.00	27.21	200	340	Vertical
6	16736.1500	38.35	52.98	14.63	68.30	15.32	200	340	Vertical

Mode: IEEE 802.11n HT40
Frequency (5190MHz)
Environment: 26.8°C/62%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-05
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3250.0500	52.27	40.62	-11.65	68.30	27.68	200	196	Horizontal
2	3459.6000	52.92	41.33	-11.59	68.30	26.97	100	348	Horizontal
3	5054.0500	48.92	50.52	1.60	74.00	23.48	100	44	Horizontal
4	7318.8000	43.95	45.98	2.03	74.00	28.02	100	340	Horizontal
5	12273.0000	37.07	50.48	13.41	74.00	23.52	200	39	Horizontal
6	16094.4500	39.29	52.43	13.14	74.00	21.57	200	248	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	5064.8749	1.60	37.86	39.46	54.00	14.54	100	72.5	Horizontal
2	12273.0000	13.41	26.37	39.78	54.00	14.22	200	39	Horizontal
3	16089.2139	13.14	26.64	39.78	54.00	14.22	199	21	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	3079.5500	51.26	39.39	-11.87	68.30	28.91	100	334	Vertical
2	4518.3500	49.51	45.60	-3.91	74.00	28.40	100	295	Vertical
3	5062.3000	49.32	51.01	1.69	74.00	22.99	200	34	Vertical
4	6463.1500	45.45	46.51	1.06	68.30	21.79	200	138	Vertical
5	11840.6000	38.26	50.38	12.12	74.00	23.62	200	140	Vertical
6	16224.4000	38.74	52.59	13.85	68.30	15.71	100	340	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	5067.4283	1.69	40.39	42.08	54.00	11.92	169	22.4	Vertical
2	11840.6000	12.12	26.82	38.94	54.00	15.06	200	140	Vertical

Mode: IEEE 802.11n HT40
Frequency (5230 MHz)
Environment: 26.8°C/62%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-05
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2441.0000	52.51	37.99	-14.52	68.30	30.31	200	165	Horizontal
2	3129.6000	51.70	40.15	-11.55	68.30	28.15	200	125	Horizontal
3	3486.5500	52.89	41.65	-11.24	68.30	26.65	200	306	Horizontal
4	5063.4000	48.94	50.52	1.58	74.00	23.48	100	46	Horizontal
5	14666.1500	36.76	52.92	16.16	68.30	15.38	100	166	Horizontal
6	16864.9500	39.01	54.16	15.15	68.30	14.14	200	339	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	5063.4000	1.58	38.73	40.31	54.00	13.69	100	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	3157.6500	52.35	40.67	-11.68	68.30	27.63	200	45	Vertical
2	4270.8500	49.21	44.17	-5.04	74.00	29.83	100	20	Vertical
3	5062.8500	48.53	50.21	1.68	74.00	23.79	200	32	Vertical
4	6497.2500	45.13	46.53	1.40	68.30	21.77	100	34	Vertical
5	10189.2000	39.29	49.75	10.46	68.30	18.55	100	258	Vertical
6	16721.2000	39.02	53.60	14.58	68.30	14.70	200	284	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	5062.8500	1.68	38.86	40.54	54.00	13.46	200	32	Vertical

Mode: I EEE 802.11n HT40
Frequency (5755MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2449.2500	51.85	37.46	-14.39	68.30	30.84	200	178	Horizontal
2	3836.3500	52.03	43.42	-8.61	74.00	30.58	200	312	Horizontal
3	5895.0000	47.38	48.09	0.71	68.30	20.21	100	359	Horizontal
4	10190.3500	38.32	48.94	10.62	68.30	19.36	200	339	Horizontal
5	14637.4000	35.73	52.11	16.38	68.30	16.19	100	144	Horizontal
6	17093.8000	37.65	53.03	15.38	68.30	15.27	100	288	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	2784.7500	51.80	38.23	-13.57	74.00	35.77	100	282	Vertical
2	5059.0000	47.22	48.91	1.69	74.00	25.09	100	124	Vertical
3	5769.6000	48.00	48.91	0.91	68.30	19.39	100	335	Vertical
4	10351.3500	38.85	49.18	10.33	68.30	19.12	100	338	Vertical
5	14985.8500	35.79	52.25	16.46	68.30	16.05	200	182	Vertical
6	16547.5500	38.32	52.97	14.65	68.30	15.33	200	6	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	5059.0000	1.69	36.41	38.10	54.00	15.90	100	124	Vertical

Mode: I EEE 802.11n HT40
Frequency (5795MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1299.7500	54.46	34.02	-20.44	68.30	34.28	100	33	Horizontal
2	2149.5000	52.42	36.71	-15.71	68.30	31.59	100	258	Horizontal
3	3863.3000	52.39	44.45	-7.94	74.00	29.55	100	20	Horizontal
4	5782.8000	48.47	49.14	0.67	68.30	19.16	100	20	Horizontal
5	9260.0000	39.94	47.19	7.25	68.30	21.11	100	115	Horizontal
6	16089.8500	39.63	52.75	13.12	74.00	21.25	100	196	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	16089.8500	13.12	27.35	40.47	54.00	13.53	100	196	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	1856.9000	53.94	35.30	-18.64	68.30	33.00	200	205	Vertical
2	2789.1500	51.26	37.77	-13.49	74.00	36.23	100	244	Vertical
3	4989.1500	47.24	48.76	1.52	74.00	25.24	200	351	Vertical
4	5962.6500	48.46	49.17	0.71	68.30	19.13	100	335	Vertical
5	10165.0500	38.40	49.12	10.72	68.30	19.18	200	25	Vertical
6	14642.0000	36.39	52.73	16.34	68.30	15.57	100	339	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	4989.1500	1.52	36.38	37.90	54.00	16.10	200	351	Vertical

Mode: IEEE 802.11ac VHT20
Frequency (5180 MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2437.1500	52.58	38.01	-14.57	68.30	30.29	100	142	Horizontal
2	3453.5500	52.72	41.05	-11.67	68.30	27.25	200	306	Horizontal
3	5037.0000	49.76	51.35	1.59	74.00	22.65	100	20	Horizontal
4	5773.4500	47.09	47.74	0.65	68.30	20.56	100	168	Horizontal
5	14110.7000	35.61	52.05	16.44	68.30	16.25	200	47	Horizontal
6	16578.6000	39.40	53.72	14.32	68.30	14.58	100	315	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	5037.0000	1.59	37.95	39.54	54.00	14.46	100	20	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	1983.9500	52.73	35.44	-17.29	68.30	32.86	100	202	Vertical
2	3913.3500	49.98	42.82	-7.16	74.00	31.18	200	33	Vertical
3	5035.9000	48.45	50.19	1.74	74.00	23.81	200	22	Vertical
4	10268.5500	38.43	48.97	10.54	68.30	19.33	100	300	Vertical
5	14361.4000	35.60	52.12	16.52	68.30	16.18	100	62	Vertical
6	16752.2500	38.02	52.73	14.71	68.30	15.57	200	262	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	5035.9000	1.74	37.28	39.02	54.00	14.98	200	22	Vertical

Mode: IEEE 802.11ac VHT20
Frequency (5200MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2464.1000	52.02	37.32	-14.70	68.30	30.98	200	191	Horizontal
2	3466.7500	53.97	42.47	-11.50	68.30	25.83	100	311	Horizontal
3	5045.2500	50.29	51.89	1.60	74.00	22.11	100	20	Horizontal
4	5472.6000	47.61	48.32	0.71	68.30	19.98	100	219	Horizontal
5	14637.4000	36.18	52.56	16.38	68.30	15.74	200	132	Horizontal
6	17621.6500	38.38	53.78	15.40	68.30	14.52	200	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	5045.2500	1.60	39.08	40.68	54.00	13.32	100	20	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	2247.4000	52.93	37.10	-15.83	74.00	36.90	100	179	Vertical
2	4517.2500	48.96	45.04	-3.92	74.00	28.96	100	232	Vertical
3	5044.1500	49.09	50.81	1.72	74.00	23.19	200	20	Vertical
4	10160.4500	38.00	48.77	10.77	68.30	19.53	200	143	Vertical
5	11723.3000	37.44	49.81	12.37	74.00	24.19	200	105	Vertical
6	13628.8500	35.82	51.43	15.61	68.30	16.87	200	208	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	5044.1500	1.72	37.89	39.61	54.00	14.39	200	20	Vertical
2	11723.3000	12.37	26.35	38.72	54.00	15.28	200	105	Vertical

Mode: IEEE 802.11ac VHT20
Frequency (5240 MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2012.0000	52.42	35.41	-17.01	68.30	32.89	100	58	Horizontal
2	3493.1500	51.72	40.57	-11.15	68.30	27.73	100	308	Horizontal
3	5050.7500	48.19	49.80	1.61	74.00	24.20	100	19	Horizontal
4	9226.6500	40.55	47.70	7.15	68.30	20.60	200	64	Horizontal
5	14640.8500	35.52	51.88	16.36	68.30	16.42	100	232	Horizontal
6	16087.5500	39.09	52.21	13.12	74.00	21.79	100	0	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	5050.7500	1.61	38.56	40.17	54.00	13.83	100	19	Horizontal
2	16086.3811	13.12	26.85	39.97	54.00	14.03	132	40.4	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	2098.9000	53.40	36.93	-16.47	68.30	31.37	200	307	Vertical
2	3003.6500	51.05	39.25	-11.80	68.30	29.05	200	111	Vertical
3	5065.0500	47.75	49.43	1.68	74.00	24.57	200	151	Vertical
4	6978.4000	45.12	45.81	0.69	68.30	22.49	100	287	Vertical
5	10582.5000	39.02	49.76	10.74	68.30	18.54	200	340	Vertical
6	15168.7000	36.19	52.12	15.93	68.30	16.18	200	328	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	5065.0500	1.68	38.26	39.94	54.00	14.06	200	151	Vertical

Mode: IEEE 802.11ac VHT20
Frequency (5745MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3080.1000	52.11	39.71	-12.40	68.30	28.59	100	19	Horizontal
2	3829.7500	51.24	42.53	-8.71	74.00	31.47	100	19	Horizontal
3	5117.8500	47.72	49.19	1.47	74.00	24.81	100	73	Horizontal
4	5898.8500	48.12	48.83	0.71	68.30	19.47	100	350	Horizontal
5	10307.6500	37.95	49.15	11.20	68.30	19.15	200	315	Horizontal
6	17998.8500	37.52	53.87	16.35	74.00	20.13	100	2	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	5117.8500	1.47	35.89	37.36	54.00	16.64	100	73	Horizontal
2	17998.8500	16.35	26.34	42.69	54.00	11.31	100	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	2304.6000	52.49	36.95	-15.54	68.30	31.35	100	340	Vertical
2	4268.1000	49.41	44.40	-5.01	74.00	29.60	100	165	Vertical
3	5899.4000	49.85	50.56	0.71	68.30	17.74	100	326	Vertical
4	10113.3000	37.97	48.81	10.84	68.30	19.49	200	275	Vertical
5	13356.3000	36.02	51.84	15.82	74.00	22.16	100	143	Vertical
6	16751.1000	38.58	53.27	14.69	68.30	15.03	100	261	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	13356.3000	15.82	26.35	42.17	54.00	11.83	100	143	Vertical

Mode: IEEE 802.11ac VHT20
Frequency (5785 MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2129.7000	52.94	36.57	-16.37	68.30	31.73	100	19	Horizontal
2	3856.7000	51.15	42.97	-8.18	74.00	31.03	100	336	Horizontal
3	5052.9500	46.87	48.47	1.60	74.00	25.53	200	242	Horizontal
4	5940.6500	50.08	50.79	0.71	68.30	17.51	200	21	Horizontal
5	10445.6500	39.48	50.81	11.33	68.30	17.49	100	87	Horizontal
6	16080.6500	39.01	52.11	13.10	74.00	21.89	100	246	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	5052.9500	1.60	36.52	38.12	54.00	15.88	200	242	Horizontal
2	16080.6500	13.10	27.31	40.41	54.00	13.59	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	1302.5000	54.20	34.44	-19.76	74.00	39.56	100	101	Vertical
2	2910.1500	51.13	38.01	-13.12	68.30	30.29	100	180	Vertical
3	4148.7500	51.19	44.63	-6.56	74.00	29.37	200	221	Vertical
4	5941.2000	51.67	52.46	0.79	68.30	15.84	100	327	Vertical
5	12247.7000	37.74	51.30	13.56	74.00	22.70	100	7	Vertical
6	17990.8000	37.20	53.44	16.24	74.00	20.56	200	34	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	12247.7000	13.56	27.25	40.81	54.00	13.19	100	7	Vertical
2	17990.8000	16.24	26.37	42.61	54.00	11.39	200	34	Vertical

Mode: IEEE 802.11ac VHT20
Frequency (5825MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1986.7000	52.94	35.77	-17.17	68.30	32.53	100	46	Horizontal
2	3883.6500	52.24	44.99	-7.25	74.00	29.01	100	343	Horizontal
3	5045.2500	48.51	50.11	1.60	74.00	23.89	200	73	Horizontal
4	5832.8500	50.72	51.43	0.71	68.30	16.87	200	20	Horizontal
5	14645.4500	36.39	52.72	16.33	68.30	15.58	200	141	Horizontal
6	17987.3500	37.28	53.64	16.36	74.00	20.36	200	116	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	5045.2500	1.60	36.43	38.03	54.00	15.97	200	73	Horizontal
2	17987.3500	16.36	26.51	42.87	54.00	11.13	200	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	1379.5000	54.85	34.29	-20.56	74.00	39.71	100	44	Vertical
2	2432.2000	52.31	37.14	-15.17	68.30	31.16	200	73	Vertical
3	3835.8000	50.89	42.54	-8.35	74.00	31.46	100	240	Vertical
4	5969.2500	53.65	54.31	0.66	68.30	13.99	100	358	Vertical
5	10178.8500	38.06	48.63	10.57	68.30	19.67	200	122	Vertical
6	14654.6500	35.96	52.23	16.27	68.30	16.07	200	276	Vertical

Mode: IEEE 802.11ac VHT40
Frequency (5190 MHz)
Environment: 26.8°C/62%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-05
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2994.3000	52.09	39.82	-12.27	68.30	28.48	200	114	Horizontal
2	3459.6000	52.47	40.88	-11.59	68.30	27.42	200	324	Horizontal
3	5054.0500	50.01	51.61	1.60	74.00	22.39	100	34	Horizontal
4	9261.1500	40.69	47.93	7.24	68.30	20.37	100	102	Horizontal
5	12693.9000	36.14	50.22	14.08	74.00	23.78	100	24	Horizontal
6	16081.8000	39.77	52.87	13.10	74.00	21.13	200	326	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	5054.0500	1.60	40.36	41.96	54.00	12.04	100	34	Horizontal
2	12693.9000	14.08	25.13	39.21	54.00	14.79	100	24	Horizontal
3	16081.8000	13.10	28.65	41.75	54.00	12.25	200	326	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	1864.0500	55.57	36.94	-18.63	68.30	31.36	100	58	Vertical
2	4253.2500	49.45	44.63	-4.82	74.00	29.37	100	336	Vertical
3	5050.2000	49.61	51.32	1.71	74.00	22.68	200	33	Vertical
4	6993.3500	46.58	47.29	0.71	68.30	21.01	100	274	Vertical
5	10558.3500	39.95	50.50	10.55	68.30	17.80	200	223	Vertical
6	15125.0000	37.27	53.02	15.75	68.30	15.28	100	302	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	5050.2000	1.71	38.49	40.20	54.00	13.80	200	33	Vertical

Mode: IEEE 802.11ac VHT40
Frequency (5230MHz)
Environment: 26.8°C/62%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-05
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3486.5500	51.86	40.62	-11.24	68.30	27.68	200	302	Horizontal
2	4125.1000	50.43	44.06	-6.37	74.00	29.94	200	253	Horizontal
3	5065.6000	49.78	51.36	1.58	74.00	22.64	100	46	Horizontal
4	5731.1000	47.65	48.26	0.61	68.30	20.04	100	18	Horizontal
5	14661.5500	36.31	52.52	16.21	68.30	15.78	200	341	Horizontal
6	16094.4500	39.68	52.82	13.14	74.00	21.18	100	341	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	5065.6000	1.58	38.73	40.31	54.00	13.69	100	46	Horizontal
2	16094.4500	13.14	27.08	40.22	54.00	13.78	100	341	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	1503.2500	54.48	34.87	-19.61	74.00	39.13	200	254	Vertical
2	3005.3000	52.67	40.87	-11.80	68.30	27.43	100	19	Vertical
3	5066.7000	49.01	50.69	1.68	74.00	23.31	200	33	Vertical
4	7428.0500	43.09	45.57	2.48	74.00	28.43	100	213	Vertical
5	14989.3000	36.39	52.87	16.48	68.30	15.43	100	342	Vertical
6	17726.3000	38.47	53.65	15.18	74.00	20.35	200	195	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	5066.0763	1.68	39.07	40.75	54.00	13.25	168	23.2	Vertical
2	17726.3000	15.18	26.86	42.04	54.00	11.96	200	195	Vertical

Mode: IEEE 802.11ac VHT40
Frequency (5755 MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2175.9000	52.27	36.38	-15.89	68.30	31.92	100	138	Horizontal
2	3836.9000	52.39	43.78	-8.61	74.00	30.22	100	336	Horizontal
3	5769.6000	49.11	49.76	0.65	68.30	18.54	100	360	Horizontal
4	10504.3000	38.78	49.19	10.41	68.30	19.11	200	206	Horizontal
5	13918.6500	35.64	51.86	16.22	68.30	16.44	200	26	Horizontal
6	17675.7000	38.00	53.58	15.58	68.30	14.72	200	219	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	2102.7500	53.22	36.80	-16.42	68.30	31.50	200	140	Vertical
2	3910.6000	50.16	43.04	-7.12	74.00	30.96	200	359	Vertical
3	5899.4000	48.65	49.36	0.71	68.30	18.94	100	336	Vertical
4	10572.1500	38.78	49.44	10.66	68.30	18.86	100	272	Vertical
5	14668.4500	36.49	52.67	16.18	68.30	15.63	100	95	Vertical
6	16097.9000	40.40	53.65	13.25	74.00	20.35	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	16086.3653	13.25	27.06	40.31	54.00	13.69	138	93.2	Vertical

Mode: IEEE 802.11ac VHT40
Frequency (5795MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2804.5500	52.22	38.34	-13.88	74.00	35.66	200	310	Horizontal
2	3863.3000	52.63	44.69	-7.94	74.00	29.31	100	350	Horizontal
3	5045.8000	47.06	48.66	1.60	74.00	25.34	100	360	Horizontal
4	5962.6500	51.06	51.56	0.50	68.30	16.74	200	271	Horizontal
5	14444.2000	34.85	52.02	17.17	68.30	16.28	100	78	Horizontal
6	16785.6000	37.84	52.78	14.94	68.30	15.52	100	67	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	5045.8000	1.60	36.32	37.92	54.00	16.08	100	360	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	1496.1000	54.18	34.50	-19.68	74.00	39.50	200	60	Vertical
2	3065.8000	51.15	39.42	-11.73	68.30	28.88	200	46	Vertical
3	5957.7000	50.67	51.42	0.75	68.30	16.88	100	360	Vertical
4	9392.2500	39.64	47.54	7.90	74.00	26.46	100	103	Vertical
5	13907.1500	35.75	51.67	15.92	68.30	16.63	100	276	Vertical
6	16738.4500	38.37	53.01	14.64	68.30	15.29	200	218	Vertical

Mode: IEEE 802.11ac VHT80
Frequency (5210 MHz)
Environment: 26.8°C/62%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-05
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.0500	55.16	35.09	-20.07	74.00	38.91	100	342	Horizontal
2	2152.8000	53.45	37.73	-15.72	68.30	30.57	200	86	Horizontal
3	3473.3500	53.07	41.66	-11.41	68.30	26.64	100	329	Horizontal
4	5053.5000	54.28	55.88	1.60	74.00	18.12	100	46	Horizontal
5	10443.3500	38.67	49.96	11.29	68.30	18.34	200	271	Horizontal
6	16093.3000	39.31	52.44	13.13	74.00	21.56	200	76	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	5047.5033	1.60	43.05	44.65	54.00	9.35	132	42.4	Horizontal
2	16093.3000	13.13	27.89	41.02	54.00	12.98	200	76	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	1624.8000	55.73	35.64	-20.09	74.00	38.36	200	20	Vertical
2	2879.9000	52.41	39.14	-13.27	74.00	34.86	200	329	Vertical
3	4125.1000	50.62	44.10	-6.52	74.00	29.90	200	239	Vertical
4	5050.7500	50.99	52.70	1.71	74.00	21.30	200	343	Vertical
5	10566.4000	39.37	49.99	10.62	68.30	18.31	200	288	Vertical
6	15016.9000	37.25	53.33	16.08	68.30	14.97	100	125	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	5050.7500	1.71	40.12	41.83	54.00	12.17	200	343	Vertical

Mode: IEEE 802.11ac VHT80
Frequency (5775MHz)
Environment: 26.8°C/66%RH/101.0kPa
Tested By:Qin Tingting

Date: 2024-08-08
Voltage:DC 12V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1978.4500	52.52	35.17	-17.35	68.30	33.13	100	351	Horizontal
2	3158.7500	50.81	39.44	-11.37	68.30	28.86	100	166	Horizontal
3	3850.1000	52.19	43.79	-8.40	74.00	30.21	100	18	Horizontal
4	5943.9500	48.06	48.77	0.71	68.30	19.53	200	286	Horizontal
5	11796.9000	37.75	49.79	12.04	74.00	24.21	100	78	Horizontal
6	17734.3500	37.66	53.47	15.81	74.00	20.53	100	326	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	11796.9000	12.04	26.55	38.59	54.00	15.41	100	78	Horizontal
2	17734.3500	15.81	26.37	42.18	54.00	11.82	100	326	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	1855.2500	53.96	35.31	-18.65	68.30	32.99	100	61	Vertical
2	3912.8000	49.76	42.61	-7.15	74.00	31.39	200	360	Vertical
3	5958.8000	49.19	49.93	0.74	68.30	18.37	100	324	Vertical
4	6980.7000	44.58	45.27	0.69	68.30	23.03	200	220	Vertical
5	12688.1500	36.78	51.11	14.33	74.00	22.89	200	327	Vertical
6	16088.7000	39.49	52.77	13.28	74.00	21.23	100	46	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	12688.1500	14.33	27.56	41.89	54.00	12.11	200	327	Vertical
2	16088.7000	13.28	26.19	39.47	54.00	14.53	100	46	Vertical

18GHz-40GHz:

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.

Note: Pre-scan all modes, only the worst case(IEEE 802.11a 5180MHz) is recorded in this report.

Mode: IEEE 802.11a

Frequency (5180MHz)

Environment: 26.5°C/60%RH/101.0kPa

Tested By: Qin Tingting

Date: 2024-08-11

Voltage: DC 12V

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Level for 1m [dBμV/m]	Level for 3m [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	20336.4000	47.53	32.12	22.58	-15.41	74.00	51.42	100	287	Horizontal
2	22111.8000	46.03	30.94	21.40	-15.09	74.00	52.60	100	307	Horizontal
3	26728.5000	46.59	33.29	23.75	-13.30	68.30	44.55	100	287	Horizontal
4	33631.0000	47.25	33.83	24.29	-13.42	68.30	44.01	100	287	Horizontal
5	37472.2000	49.95	38.76	29.22	-11.19	68.30	39.08	100	246	Horizontal
6	39741.5000	50.45	41.79	32.25	-8.66	68.30	36.05	100	145	Horizontal

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Level for 1m [dBμV/m]	Level for 3m [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	19350.8000	45.42	29.93	20.39	-15.49	74.00	53.61	100	115	Vertical
2	22909.3000	45.18	31.54	22.00	-13.64	74.00	52.00	100	184	Vertical
3	26463.4000	46.10	32.95	23.41	-13.15	68.30	44.89	100	72	Vertical
4	34519.8000	48.54	35.28	25.74	-13.26	68.30	42.56	100	339	Vertical
5	36405.2000	49.77	38.33	28.79	-11.44	68.30	39.51	100	275	Vertical
6	39869.1000	49.38	41.05	31.51	-8.33	68.30	36.79	100	10	Vertical

Remark:

- 1 Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2 Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 3 Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4 Above 18G test distance is 1m, so the Level for 3m= Level for 1m + 20*log(1/3)

6. RESTRICTED BANDS OF OPERATION

6.1 LIMITS

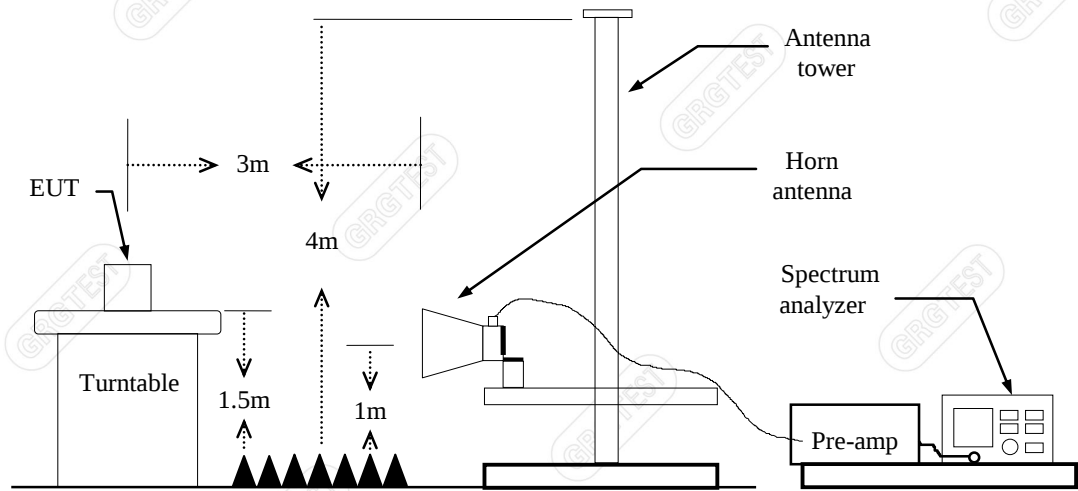
Section 15.407(b)(10) The provisions of §15.205 apply to intentional radiators operating under this section. 15.205(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

6.2 TEST PROCEDURES

- The EUT is placed on a turntable, which is 1.5m above the ground plane.
- The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - PEAK Measurement: RBW=1MHz / VBW=3MHz / Sweep=AUTO
 - AVERAGE Measurement: RBW=1MHz, Sweep=AUTO, There are two cases of VBW.
If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW=10Hz. If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$, Where T is defined in section 2.9.
- Repeat the procedures until all the PEAK and AVERAGE versus polarization are measured.

6.3 TEST SETUP



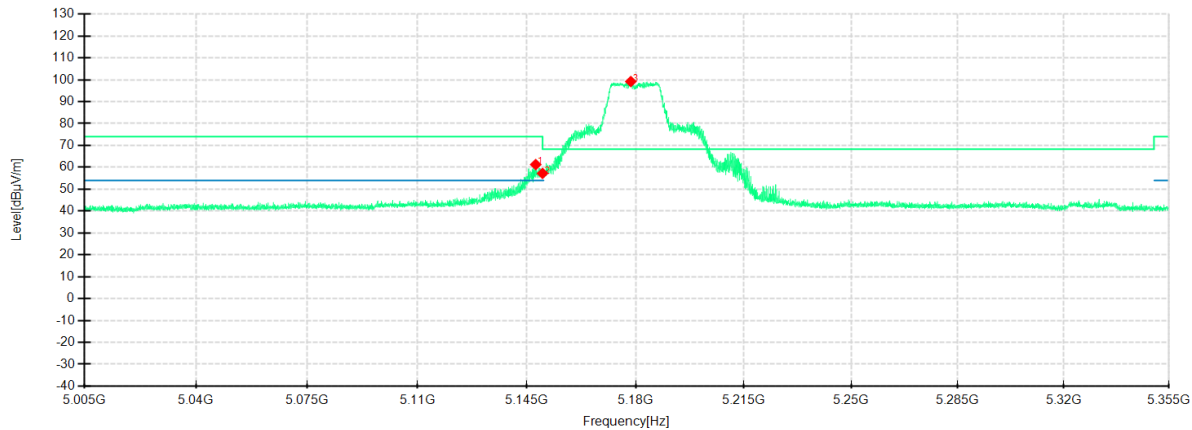
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6.4 TEST RESULTS

IEEE 802.11a mode ANT2

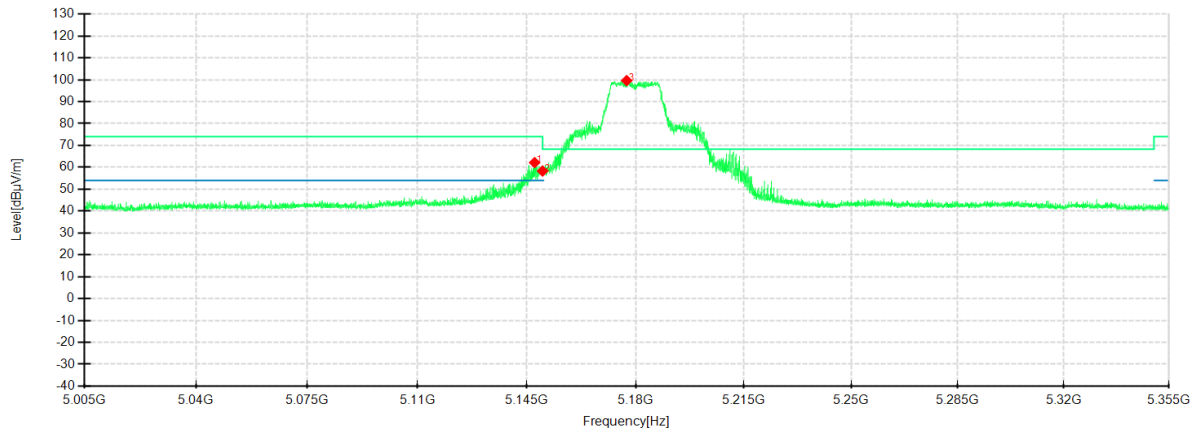
Frequency 5180MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



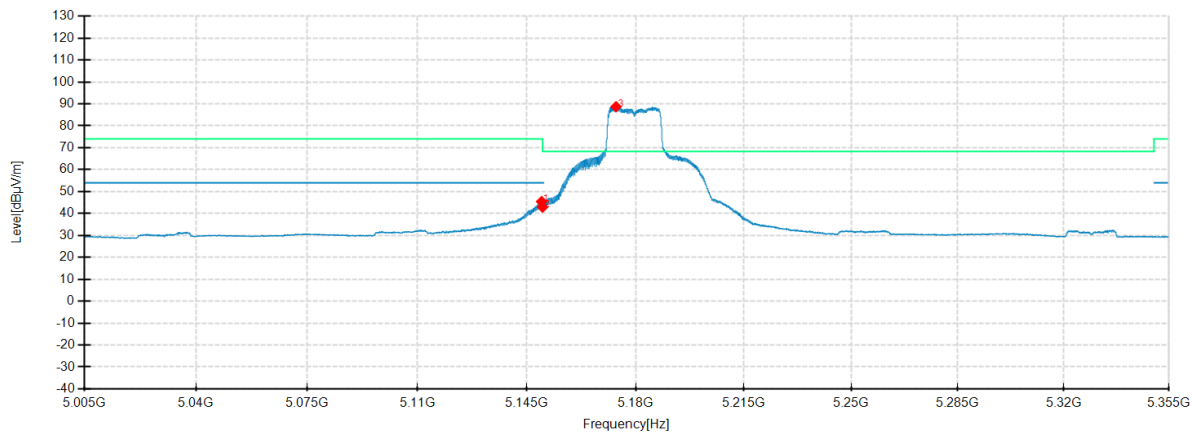
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5147.8000	65.26	61.25	-4.01	74.00	12.75	200	235	Horizontal	/
2	5150.0000	61.25	57.22	-4.03	68.30	11.08	200	235	Horizontal	/
3	5178.3900	102.72	99.18	-3.54	68.30	-30.88	200	235	Horizontal	No limit
1	5147.4500	66.15	62.15	-4.00	74.00	11.85	100	201	Vertical	/
2	5150.0000	62.34	58.31	-4.03	68.30	9.99	100	201	Vertical	/
3	5177.0600	103.07	99.61	-3.46	68.30	-31.31	100	201	Vertical	No limit

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IEEE 802.11a mode ANT2

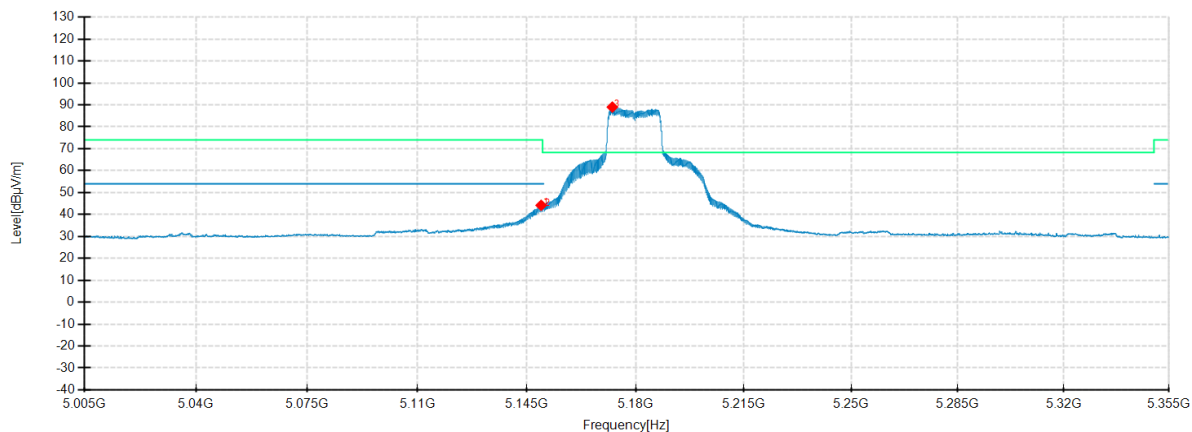
Frequency 5180MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

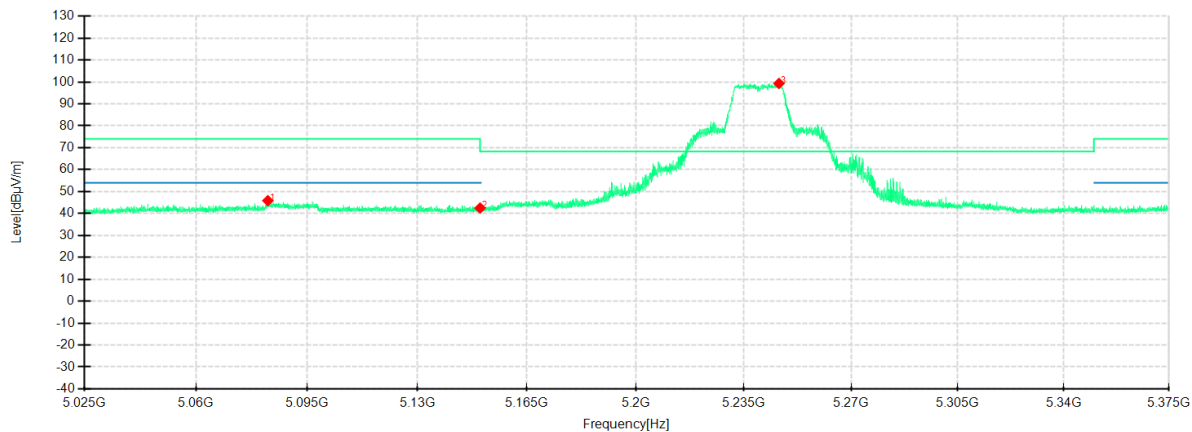


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5149.6900	49.48	45.45	-4.03	54.00	8.55	200	238	Horizontal	/
2	5150.0000	46.95	42.92	-4.03	54.00	11.08	200	124	Horizontal	/
3	5173.6300	92.33	88.70	-3.63	-	-	200	226	Horizontal	No limit
1	5149.5500	48.22	44.19	-4.03	54.00	9.81	100	150	Vertical	/
2	5150.0000	47.81	43.78	-4.03	54.00	10.22	100	150	Vertical	/
3	5172.4400	92.55	88.99	-3.56	-	-	100	163	Vertical	No limit

IEEE 802.11a mode ANT2

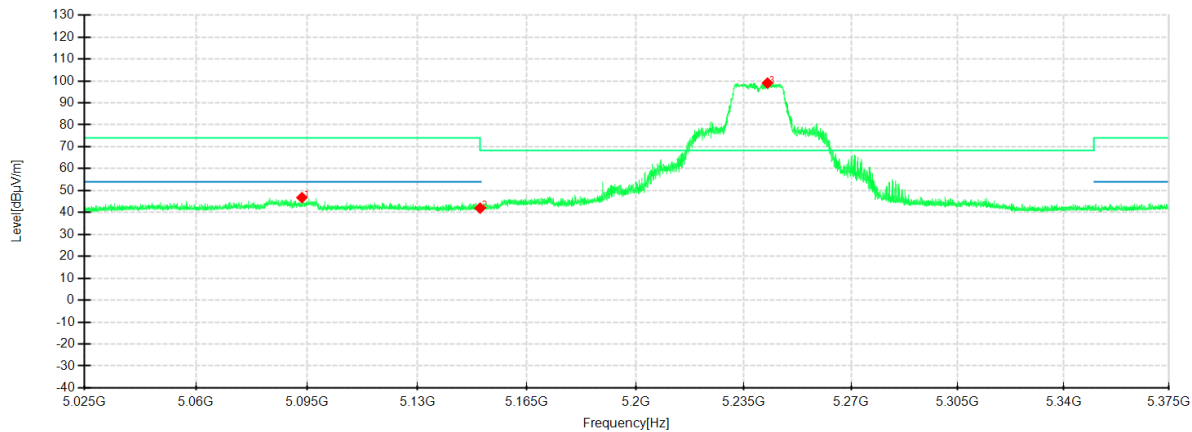
Frequency 5240MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

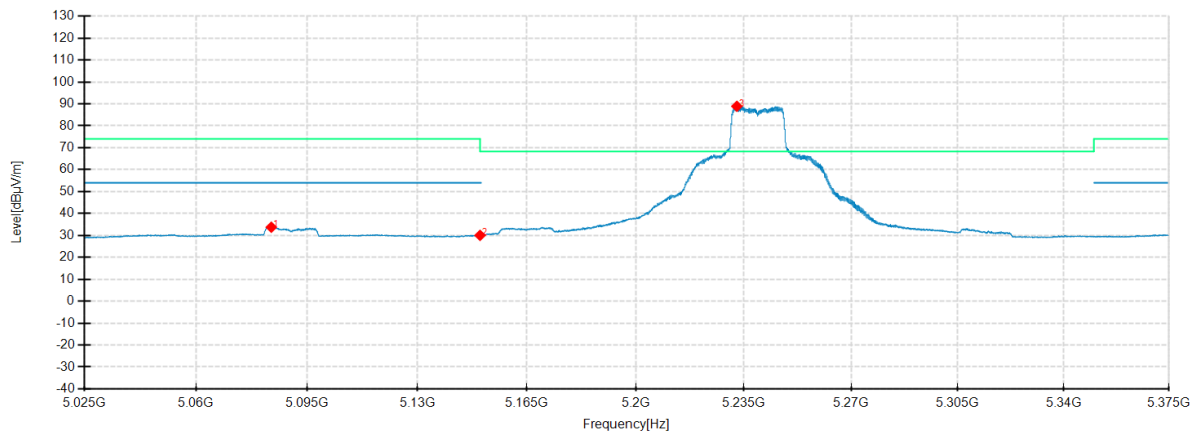


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5082.6100	49.56	45.86	-3.70	74.00	28.14	200	106	Horizontal	/
2	5150.0000	46.53	42.50	-4.03	68.30	25.80	200	303	Horizontal	/
3	5246.4450	103.11	99.33	-3.78	68.30	-31.03	200	197	Horizontal	No limit
1	5093.3550	50.37	46.78	-3.59	74.00	27.22	100	173	Vertical	/
2	5150.0000	46.02	41.99	-4.03	68.30	26.31	100	159	Vertical	/
3	5242.7000	102.40	99.05	-3.35	68.30	-30.75	100	200	Vertical	No limit

IEEE 802.11a mode ANT2

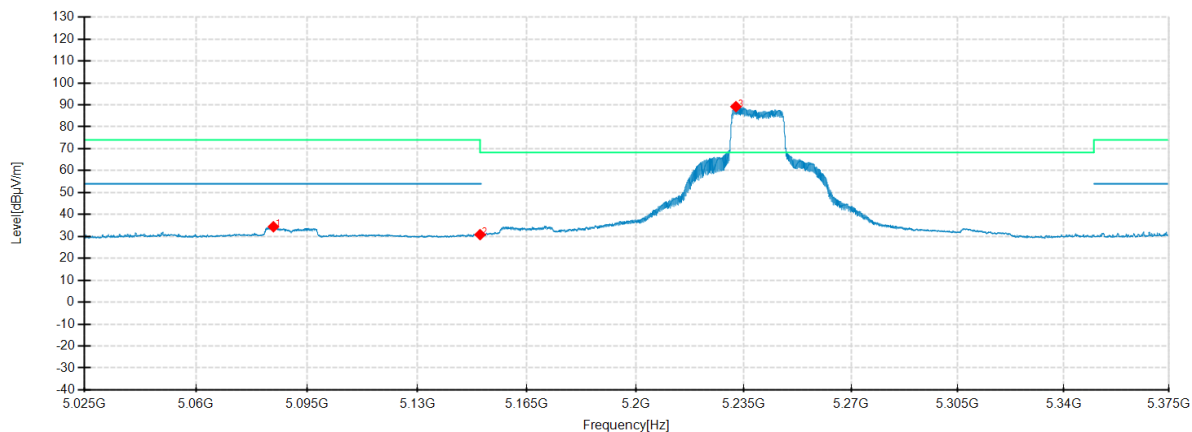
Frequency 5240MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

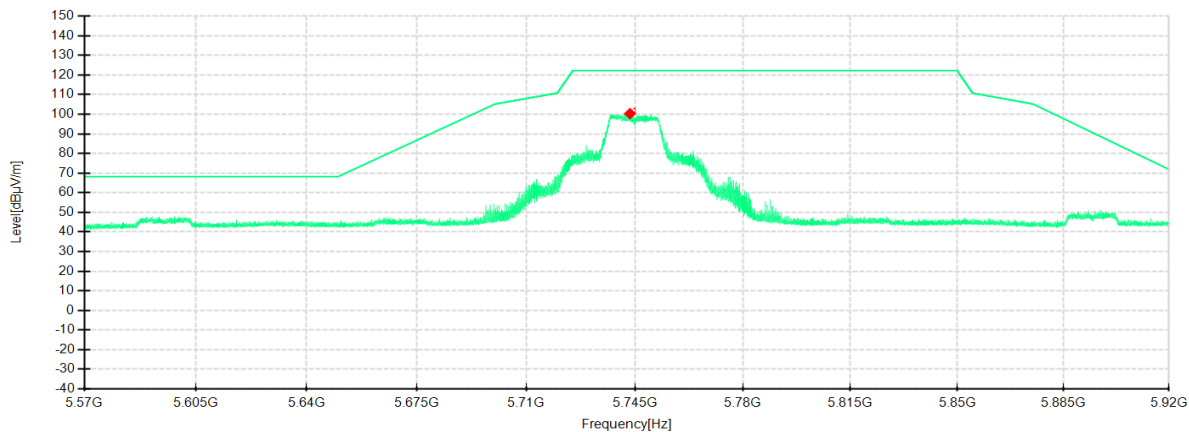


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5083.6950	37.44	33.74	-3.70	54.00	20.26	200	107	Horizontal	/
2	5150.0000	34.06	30.03	-4.03	54.00	23.97	200	263	Horizontal	/
3	5232.7600	92.48	88.89	-3.59	-	-	200	224	Horizontal	No limit
1	5084.3600	38.01	34.41	-3.60	54.00	19.59	100	204	Vertical	/
2	5150.0000	34.84	30.81	-4.03	54.00	23.19	100	204	Vertical	/
3	5232.4450	92.46	89.20	-3.26	-	-	100	164	Vertical	No limit

IEEE 802.11a mode ANT2

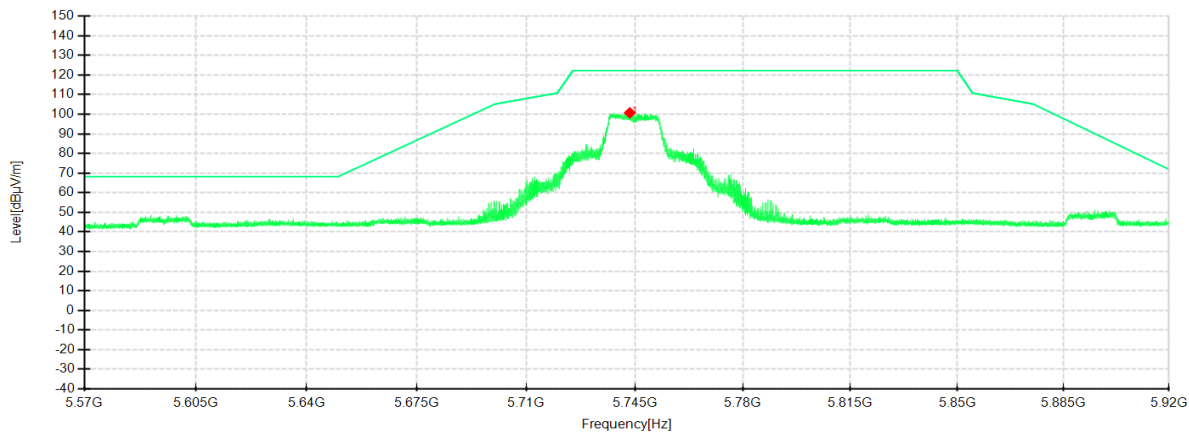
Frequency 5745MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

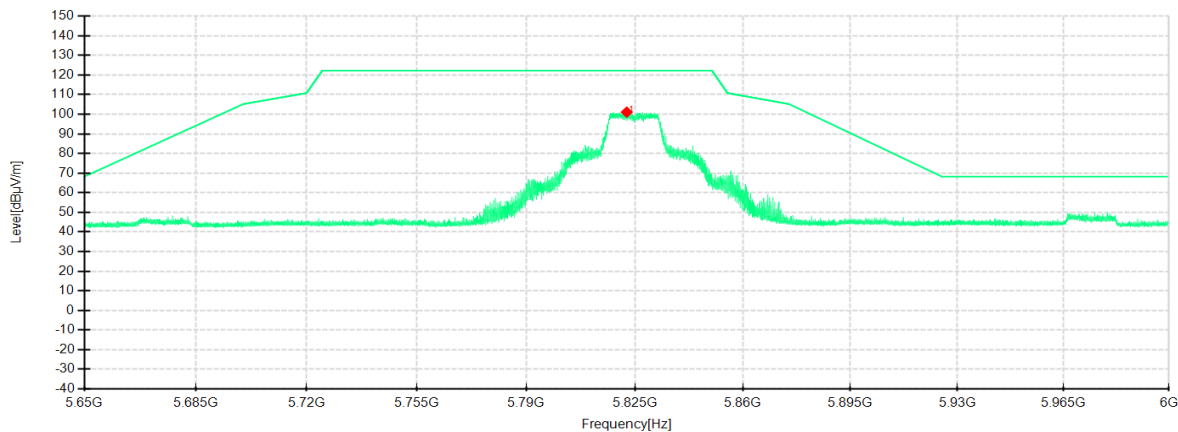


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5743.4075	103.23	100.30	-2.93	122.20	21.90	100	172	Horizontal	/
1	5743.3725	103.38	100.73	-2.65	122.20	21.47	100	184	Vertical	/

IEEE 802.11a mode ANT2

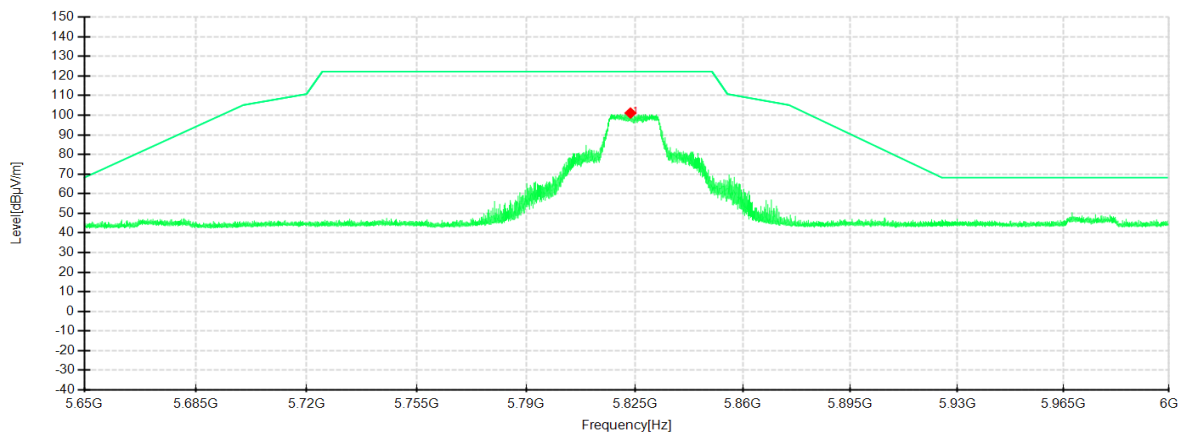
Frequency 5825MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



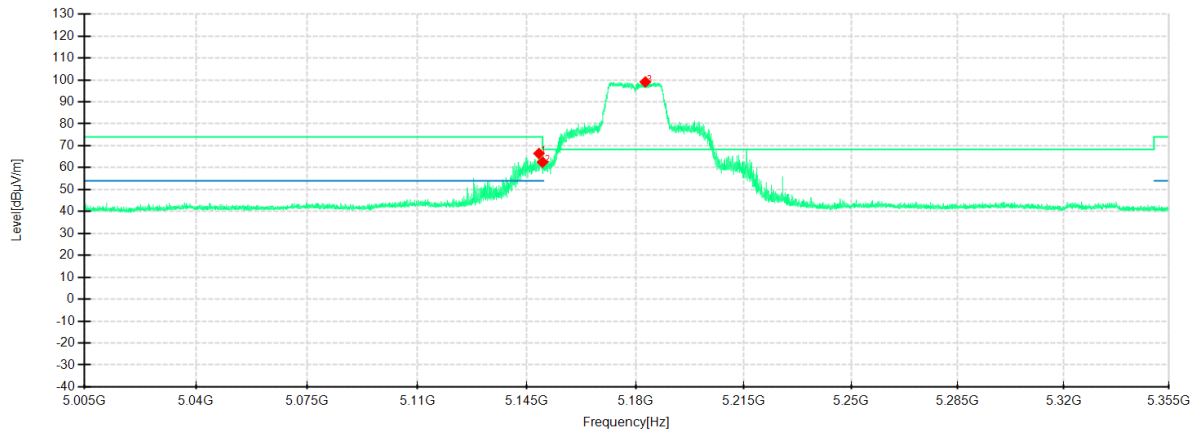
No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5822.4100	103.74	101.07	-2.67	122.20	21.13	100	174	Horizontal	/
1	5823.6175	103.62	101.14	-2.48	122.20	21.06	100	159	Vertical	/

IEEE 802.11n HT20 mode ANT2

Frequency 5180MHz
Environment: 25.5°C/58%RH/101.0kPa

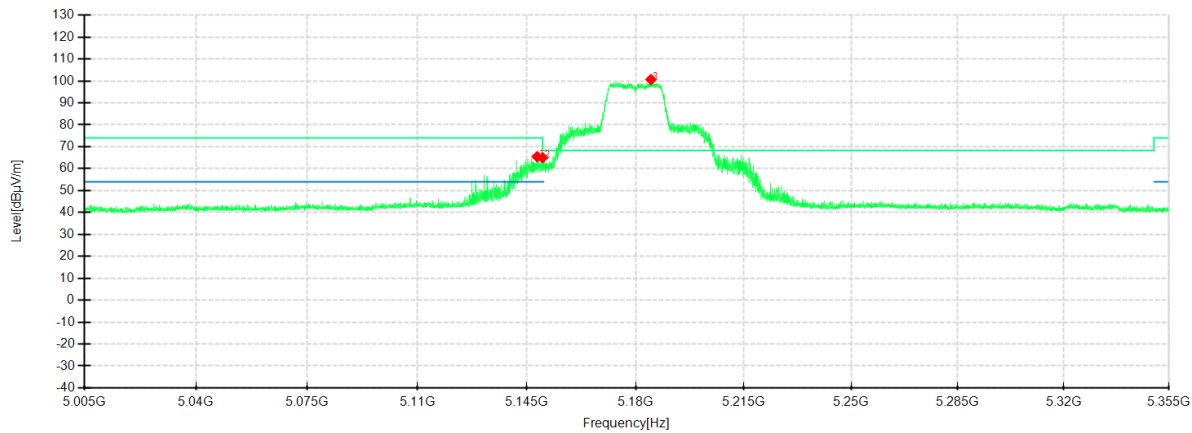
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

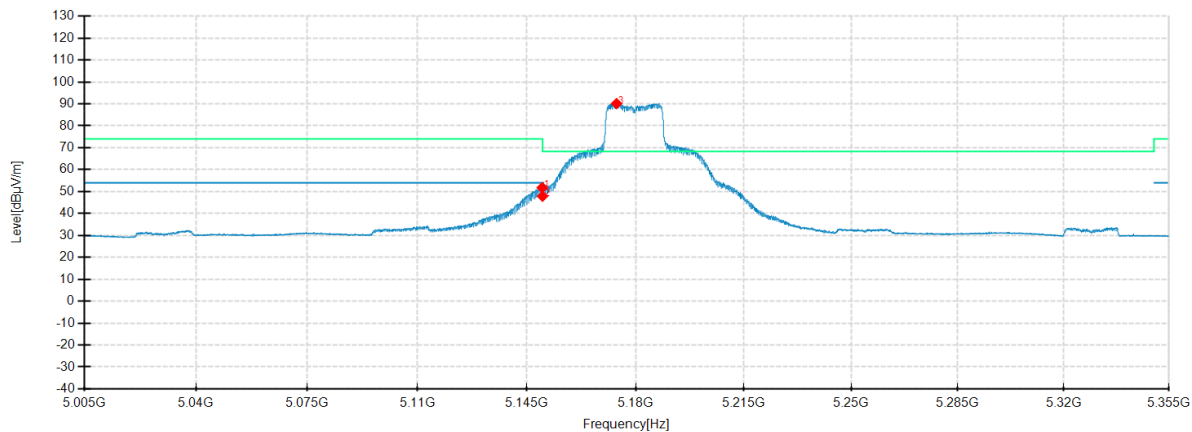


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5148.8500	70.48	66.46	-4.02	74.00	7.54	200	222	Horizontal	/
2	5150.0000	66.53	62.50	-4.03	68.30	5.80	200	222	Horizontal	/
3	5183.0800	102.53	99.07	-3.46	68.30	-30.77	200	222	Horizontal	No limit
1	5148.2550	69.49	65.47	-4.02	74.00	8.53	200	214	Vertical	/
2	5150.0000	69.01	64.98	-4.03	68.30	3.32	200	214	Vertical	/
3	5184.9000	103.94	100.65	-3.29	68.30	-32.35	200	214	Vertical	No limit

IEEE 802.11n HT20 mode ANT2

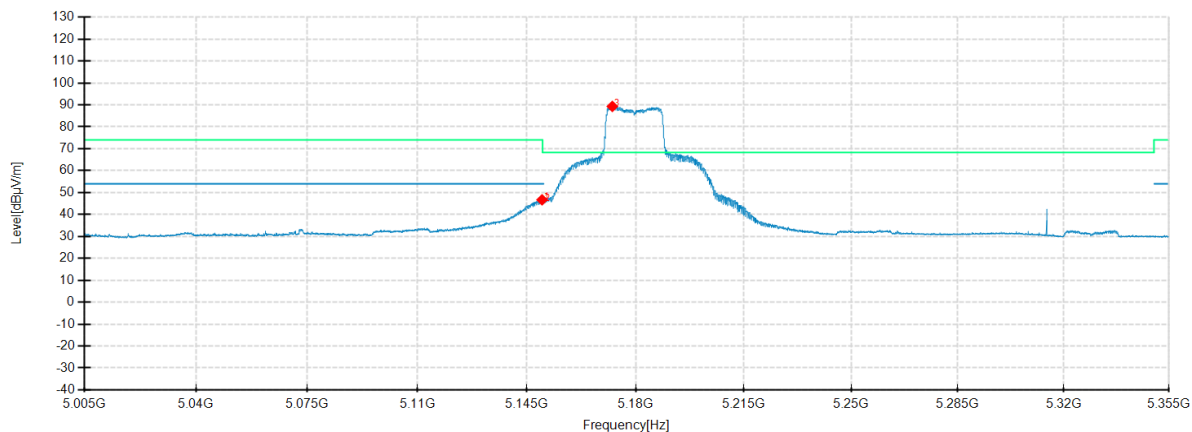
Frequency 5180MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

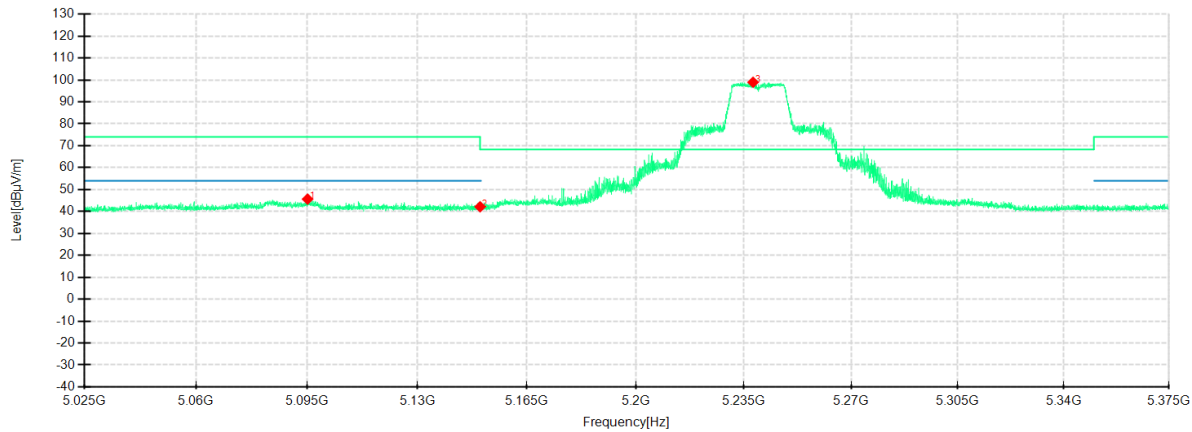


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5149.9000	55.81	51.78	-4.03	54.00	2.22	100	230	Horizontal	/
2	5150.0000	51.92	47.89	-4.03	54.00	6.11	100	191	Horizontal	/
3	5173.8050	93.75	90.13	-3.62	-	-	100	230	Horizontal	No limit
1	5149.8300	50.72	46.69	-4.03	54.00	7.31	100	198	Vertical	/
2	5150.0000	49.98	45.95	-4.03	54.00	8.05	200	190	Vertical	/
3	5172.4400	92.85	89.29	-3.56	-	-	200	190	Vertical	No limit

IEEE 802.11n HT20 mode ANT2

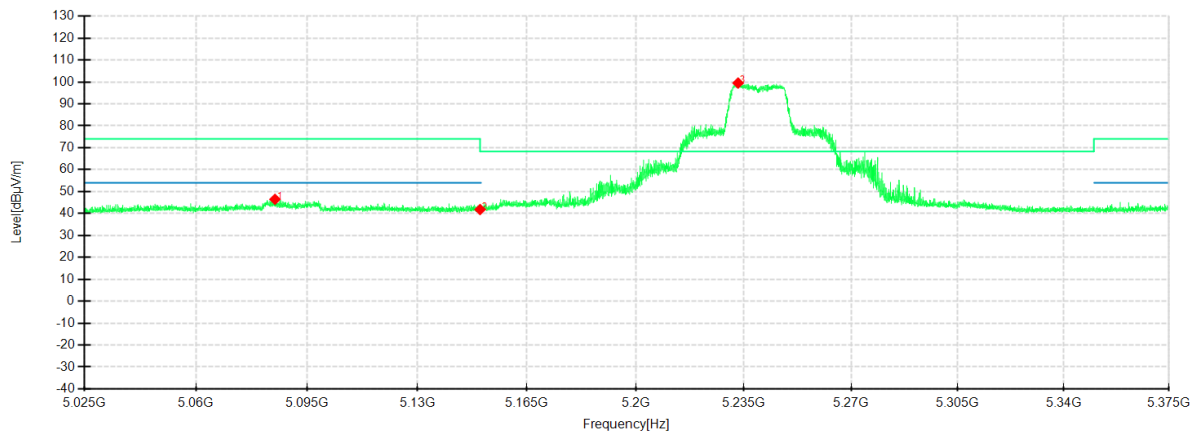
Frequency 5240MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

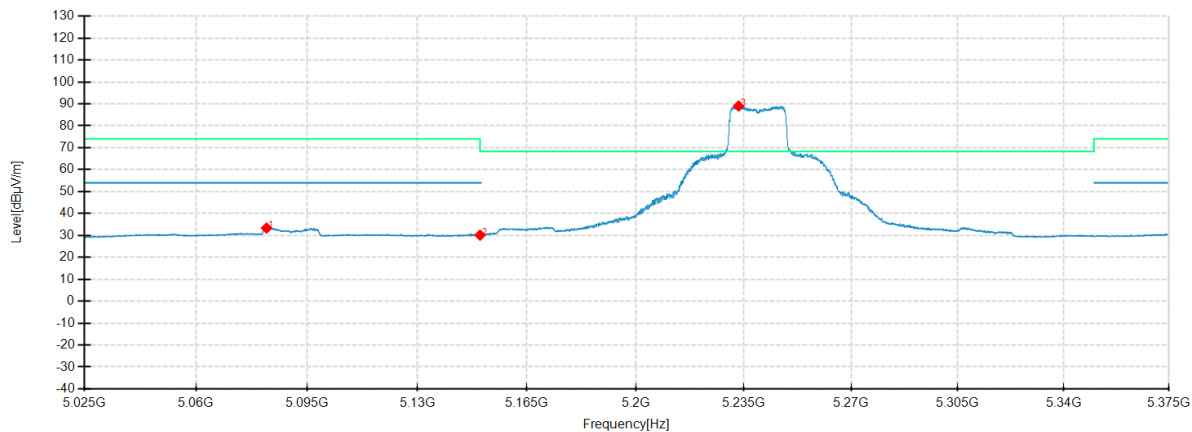


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5095.1400	49.33	45.65	-3.68	74.00	28.35	200	263	Horizontal	/
2	5150.0000	46.19	42.16	-4.03	68.30	26.14	200	71	Horizontal	/
3	5238.0100	102.60	98.94	-3.66	68.30	-30.64	200	122	Horizontal	No limit
1	5084.8500	50.07	46.47	-3.60	74.00	27.53	100	208	Vertical	/
2	5150.0000	45.84	41.81	-4.03	68.30	26.49	100	225	Vertical	/
3	5233.1450	102.76	99.49	-3.27	68.30	-31.19	100	208	Vertical	No limit

IEEE 802.11n HT20 mode ANT2

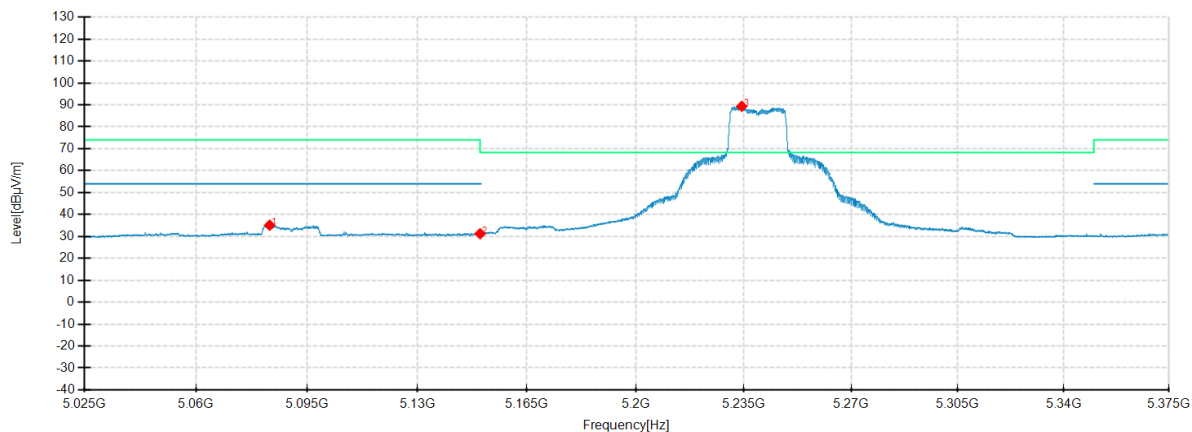
Frequency 5240MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Average

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Average

Polarity: Vertical

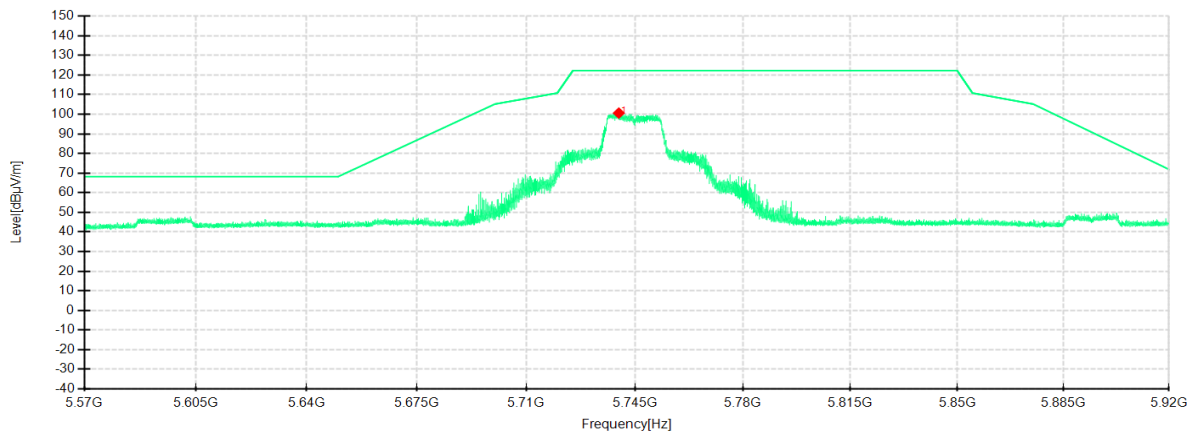


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5082.1900	37.05	33.35	-3.70	54.00	20.65	200	203	Horizontal	/
2	5150.0000	34.15	30.12	-4.03	54.00	23.88	200	255	Horizontal	/
3	5233.3200	92.64	89.04	-3.60	-	-	200	228	Horizontal	No limit
1	5083.1700	38.71	35.11	-3.60	54.00	18.89	200	200	Vertical	/
2	5150.0000	35.26	31.23	-4.03	54.00	22.77	100	210	Vertical	/
3	5234.3350	92.61	89.33	-3.28	-	-	100	171	Vertical	No limit

IEEE 802.11n HT20 mode ANT2

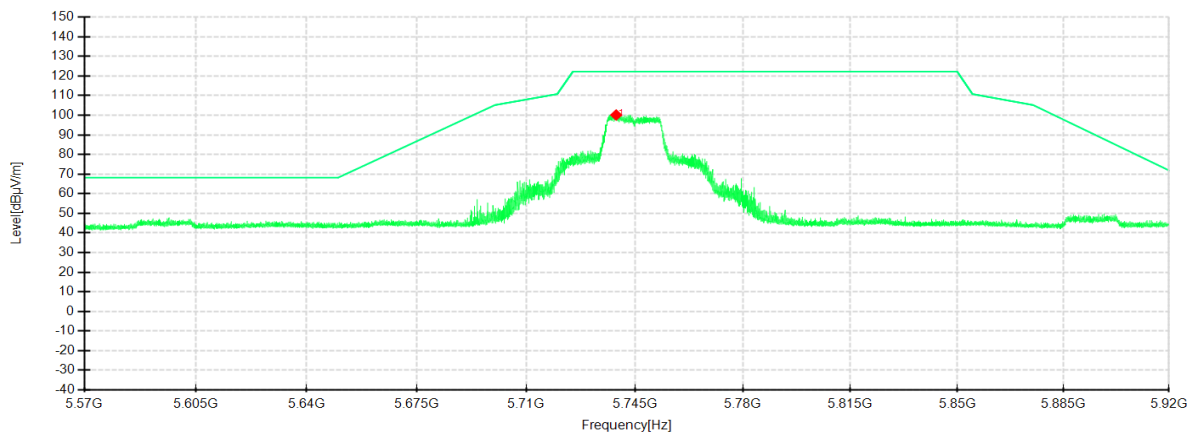
Frequency 5745MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

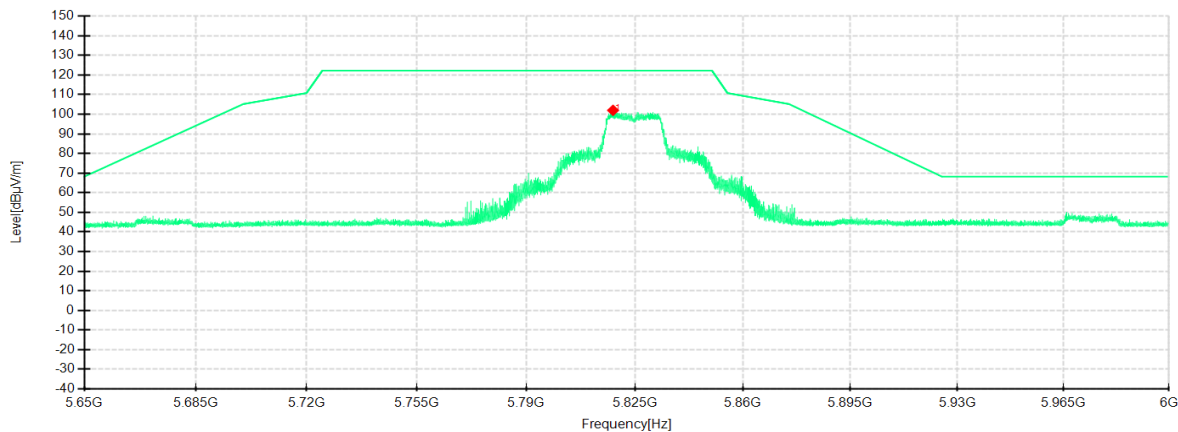


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5739.8200	103.51	100.59	-2.92	122.20	21.61	100	189	Horizontal	/
1	5738.9625	102.76	100.13	-2.63	122.20	22.07	100	157	Vertical	/

IEEE 802.11n HT20 mode ANT2

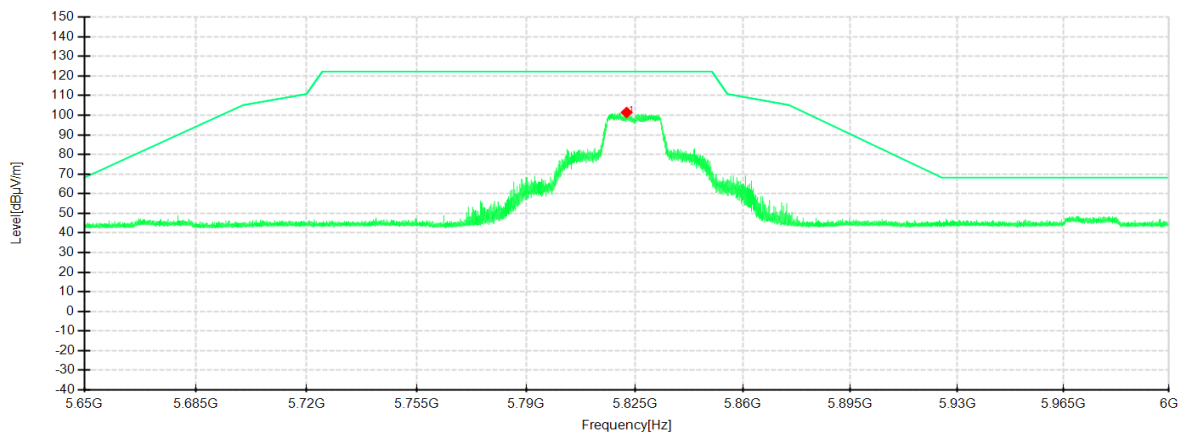
Frequency 5825MHz
Environment: 25.5°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-12
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

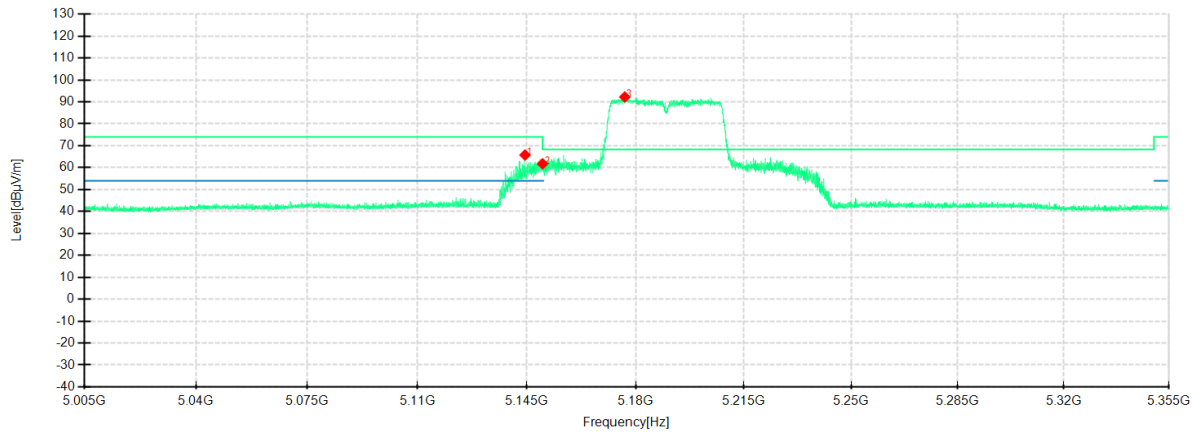


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5817.9825	104.75	101.99	-2.76	122.20	20.21	100	175	Horizontal	/
1	5822.3750	103.94	101.43	-2.51	122.20	20.77	100	158	Vertical	/

IEEE 802.11n HT40 mode ANT2

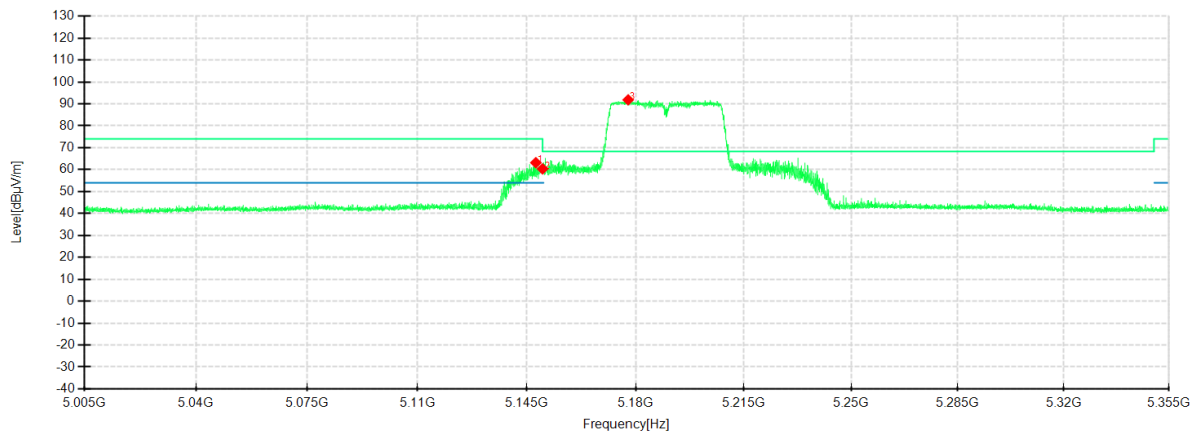
Frequency 5190MHz
Environment: 24.2°C/58%RH/101.0kPa
Tested By: Qin Tingting
Detector mode: Peak

Voltage: DC 12V
Date: 2024-08-30
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical



No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5144.3700	69.74	65.75	-3.99	74.00	8.25	200	221	Horizontal	/
2	5150.0000	65.79	61.76	-4.03	68.30	6.54	200	221	Horizontal	/
3	5176.4650	95.79	92.22	-3.57	68.30	-23.92	200	221	Horizontal	No limit
1	5147.8350	67.18	63.17	-4.01	74.00	10.83	100	265	Vertical	/
2	5150.0000	64.37	60.34	-4.03	68.30	7.96	200	212	Vertical	/
3	5177.5500	95.28	91.84	-3.44	68.30	-23.54	100	265	Vertical	No limit