

Test Report

Verified code: 432782

Report No.: E20240822625802-10

Customer: Faurecia Clarion Electronics (Xiamen) Co., Ltd.

Address: 6F, No.40, Guanri Road, Software Park Stage II, Xiamen, China

Sample Name: CAR AUDIO

Sample Model: P2402

Receive Sample Date: Sep.03,2024

Test Date: Oct.15,2024 ~ Oct.25,2024

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

Test Result: Pass

Prepared by: Huang Lifang
Huang Lifang

Reviewed by: Wu Haoting
Wu Haoting

Approved by: Xiao Liang
Xiao Liang



GRG METROLOGY & TEST GROUP CO., LTD.

Issued Date: 2024-11-15

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REPORT ISSUED HISTORY

Report Version	Report No.	Description	Compile Date
1.0	E20240822625802-10	Original Issue	2024-10-28

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1. TEST RESULT SUMMARY

Standard	Item	Limit / Severity	Result
47 CFR, FCC Parts 15 Subpart E (§15.407)	6dB 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 FPC antenna. The max gain of antenna is 7.1dBi, 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: Faurecia Clarion Electronics (Xiamen) Co., Ltd.
Address: 6F,No.40,Guanri Road, Software Park Stage II, Xiamen, China

2.2 MANUFACTURER

Name: Faurecia Clarion Electronics Co., Ltd.
Address: 7-2 Shintoshin, Chuo-ku, Saitama-shi, Saitama, 330-0081, Japan

2.3 FACTORY

Name 1: Clarion Asia (Thailand) Co., Ltd.
Address 1: 500/39 Moo3, Hemaraj Eastern Seaboard Industrial Estate 1, Tambol Tasith, Amphur Pluakdaeng Rayong 21140,Thailand
Name 2: PT OPTIMA ELEKTRONIK MANUFAKTUR
Address 2: MANUFAKTUR Kawasan Industri JABABEKA II, JL. Industri Selatan 5 Blok FF1L, Kel. Pasirsari Cikarang Selatan, Kab. Bekasi, Prov. Jawa Barat

2.4 BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

Product Name: CAR AUDIO
Product Model: P2402
Adding Model: P2403

Model difference description: They are consistent with the schematic, block diagram, PCB layout, Hardware version, and Software version. The difference is the DAB board and mounting bracket as the following details, and it will not affecting the RF performance.

Function	Product name: CAR AUDIO		
	Model name: P2402		Model name: P2403
	Minimum configuration	Maximum configuration	/
WIFI 5G (B4)	√	√	√
BT	√	√	√
DAB	×	√	×
TCU	√	√	×
LHD	×	√	×
RHD	√	×	√
Note: The above products have the same wireless IC, radiation circuit, power circuit and other circuits, with same shell.			

FCC ID: WY2P2402
Trade Mark: Clarion

Power Supply: DC 13.2V,15A

Frequency Band: U-NII-3: 5745MHz~5825MHz
IEEE 802.11a: OFDM

Modulation Type: IEEE 802.11n: OFDM
IEEE 802.11ac: OFDM

Antenna Specification: U-NII-3: FPC antenna with 7.1dBi 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-3:
6.24dBm for IEEE 802.11a
5.24dBm for IEEE 802.11n HT20
4.22dBm for IEEE 802.11acVHT20
5.36dBm for IEEE 802.11n HT40
4.46dBm for IEEE 802.11acVHT40
4.32dBm for IEEE 802.11ac VHT80

Temperature Range: -30℃~+70℃

Hardware Version: 2.0.0

Software Version: 02.00.00

Sample submitting way: ☒Provided by customer ☐Sampling

Sample No: E20240822625802-0002,E20240822625802-0005

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. Based on the differences in models, the maximum configuration of the model P2402 was tested and recorded in this report.

2.5 CHANNEL LIST AND POWER SETTING

Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting
IEEE 802.11a	5745	8	IEEE	5745	7	IEEE	5745	6
	5785	8	802.11n	5785	7	802.11ac	5785	6
	5825	8	HT20	5825	7	VHT20	5825	6

Mode	Frequency (MHz)	Power Setting	Mode	Frequency (MHz)	Power Setting
IEEE 802.11n	5755	7	IEEE 802.11ac	5755	6
HT40	5795	7	VHT40	5795	6

Mode	Frequency (MHz)	Power Setting
IEEE 802.11ac VHT80	5775	6

Test software:

Software version
Teraterm

2.6 TEST OPERATION MODE

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

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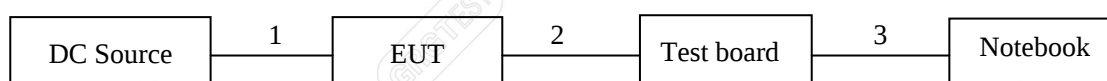
2.7 LOCAL SUPPORTIVEINSTRUMENTS

Name of equipment	Manufacturer	Model	Serial number	Note
DC Source	LW	PS-305DM	180704515	/
Notebook	DELL	Latitude3490	2095LR2	/
Test board	/	/	/	/

No.	Cable Type	Qty.	Shielded Type	Ferrite Core(Qty.)	Length
1	DC cable	1	No	0	1.0m
2	Serial cable	1	No	0	0.2m
3	USB-Micro cable	1	No	0	0.5m

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: 24.9℃/50%RH 101.0kPa
Tested By: Qin Tingting

Voltage:DC 13.2V
Date: 2024-10-15

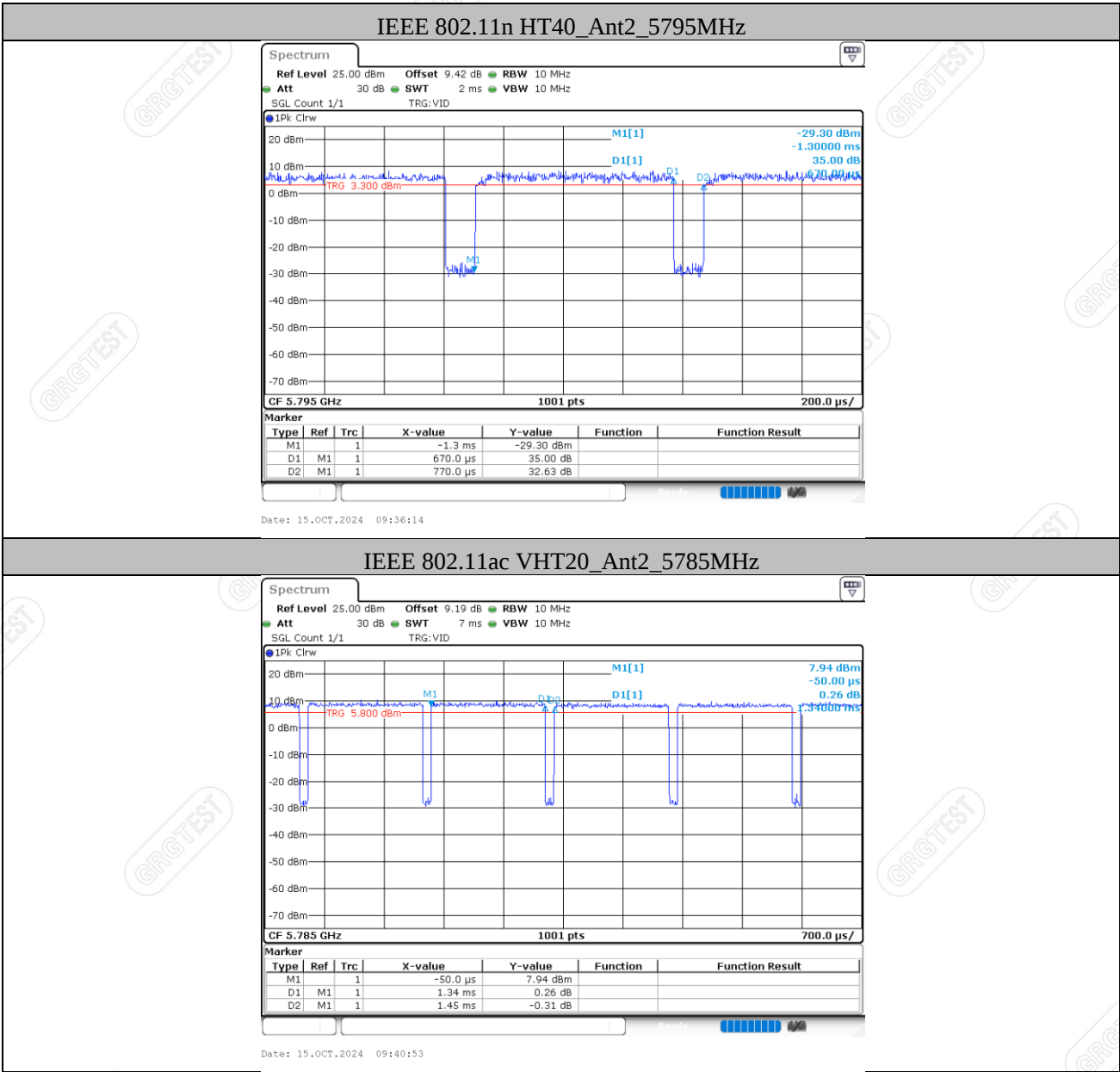
Test Mode	Antenna	Freq (MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Factor	T(s)
IEEE 802.11a	Ant2	5785	1.43	1.54	92.86	0.32	0.00143
IEEE 802.11n HT20	Ant2	5785	1.34	1.44	93.06	0.31	0.00134
IEEE 802.11n HT40	Ant2	5795	0.67	0.77	87.01	0.60	0.00067
IEEE 802.11ac VHT20	Ant2	5785	1.34	1.45	92.41	0.34	0.00134
IEEE 802.11ac VHT40	Ant2	5795	0.67	0.77	87.01	0.60	0.00067
IEEE 802.11ac VHT80	Ant2	5775	0.33	0.43	76.74	1.15	0.00033

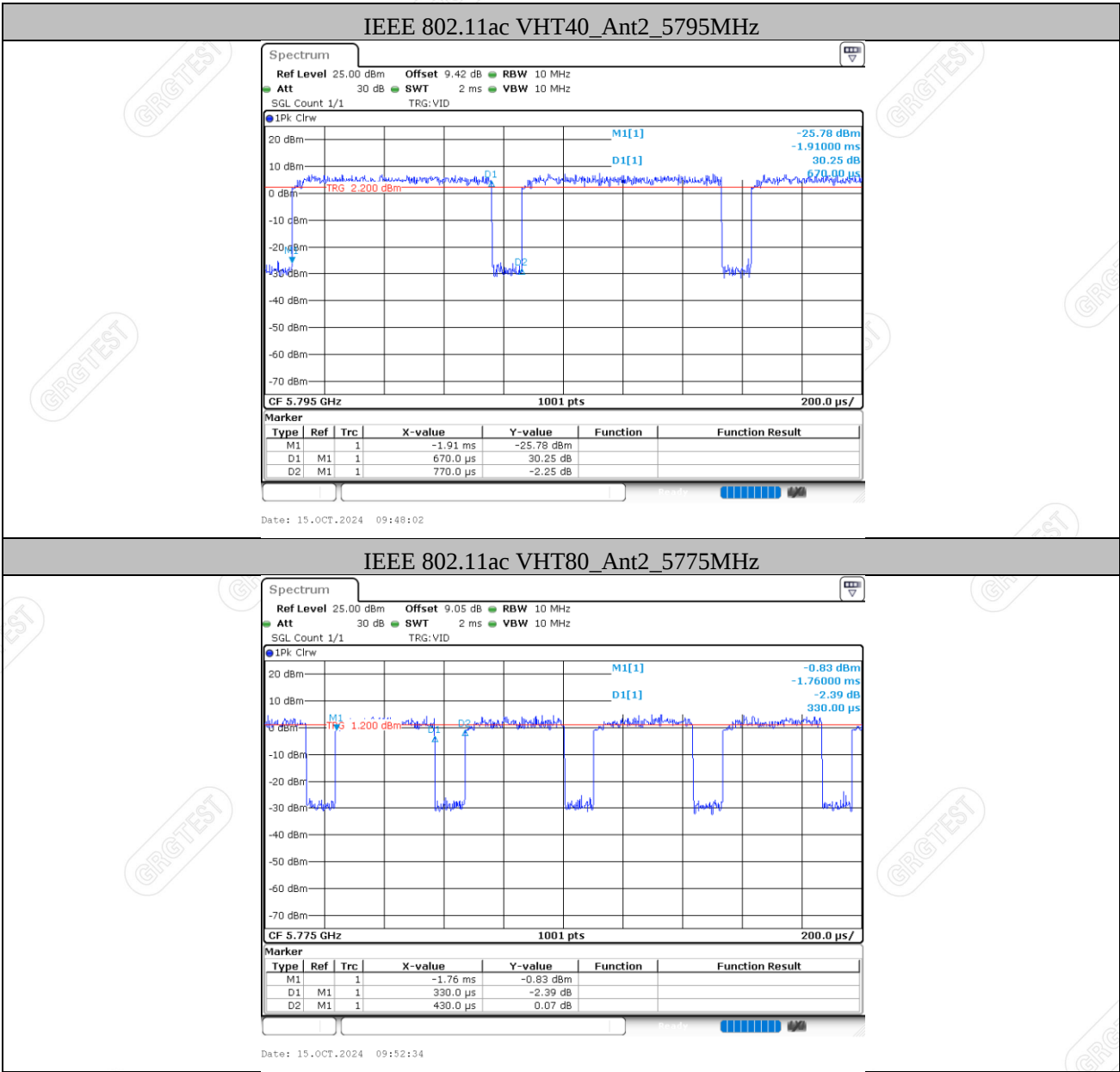
Note:Duty Factor=10log(1/Duty Cycle).

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Test Graphs







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	2025-09-10
Spectrum Analyzer	R&S	FSV3044	101184	2025-07-19
Bi-log Antenna	Schwarzbeck	VULB9160	VULB9160-3402	2025-09-24
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	2025-09-07
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	BBHA 9170-497	2025-08-30
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 & Peak power spectral density & Duty cycle				
Spectrum Analyzer	R&S	FSV30	1321.3008K30-104381-rH	2025-09-22
Automatic control unit	TONSCEND	JS0806-2	2018060317	2025-07-20
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	FSV30	1321.3008K30-104381-rH	2025-09-22
Automatic control unit	TONSCEND	JS0806-2	2018060317	2025-07-20
Programmable constant temperature and humidity test chamber	FC	FPHC-23AW-40	FD202306015	2025-08-26
BT/WIFI System	TONSCEND	JS1120-3	/	/

Note: 1.The calibration interval of the above test instruments is 12 months.
2. The Spectrum Analyzer FSV3044 is support 10Hz-44GHz.

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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.

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

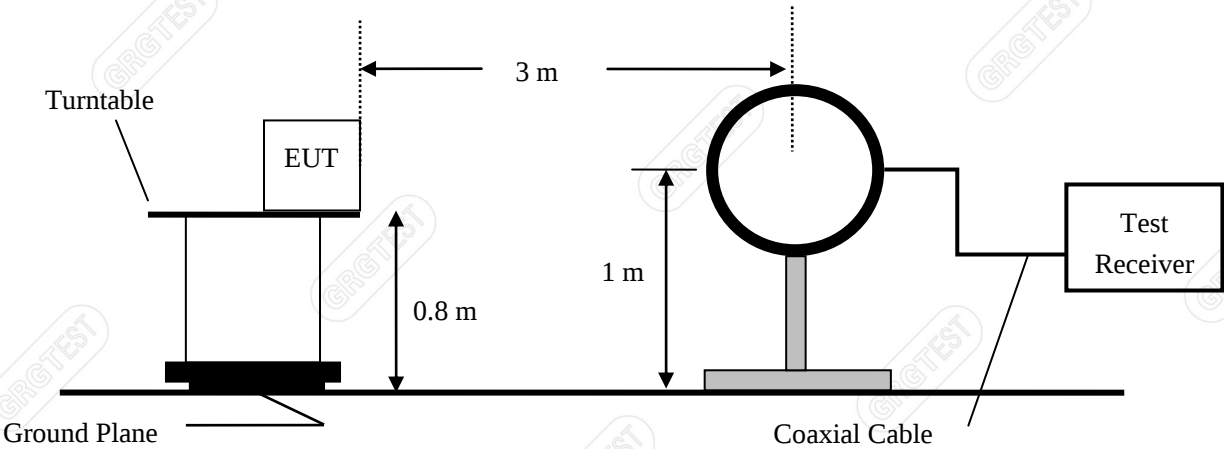


Figure 1. 9kHz to 30MHz radiated emissions test configuration

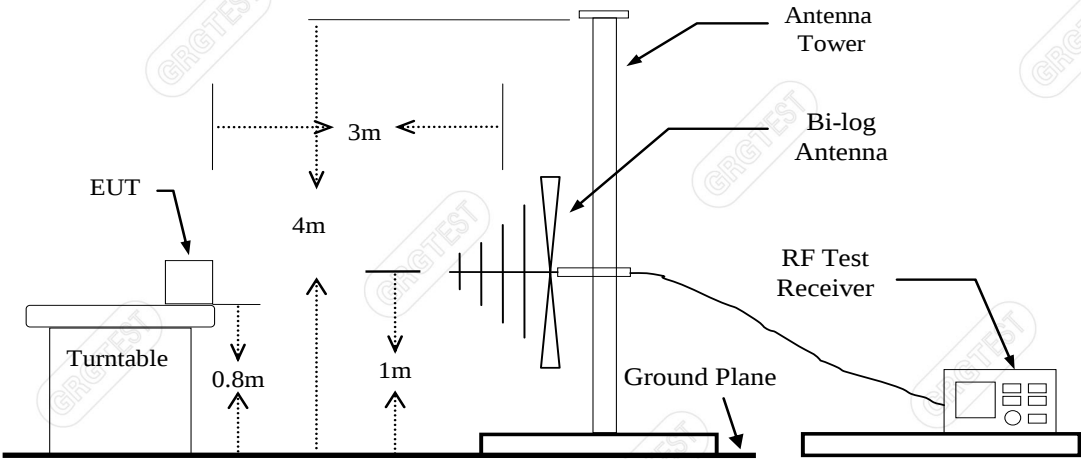


Figure 2. 30MHz to 1GHz radiated emissions test configuration

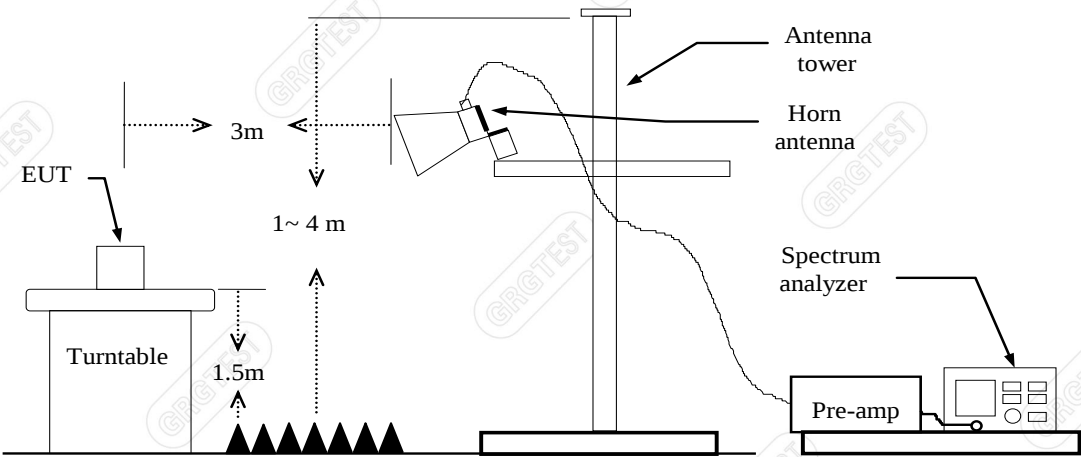


Figure 3. 1GHz to 18GHz radiated emissions test configuration

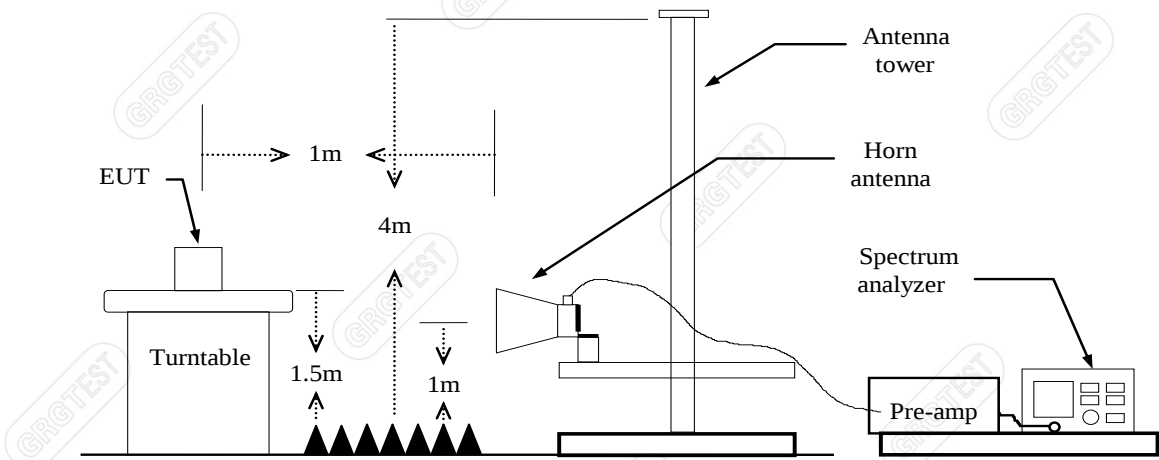


Figure 4. Above 18GHz radiated emissions test configuration

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 [dB μ V/m]	Level [dB μ V/m]	Factor [dB]	Limit [dB μ V/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 [dB μ V/m]	Level for 1m [dB μ V/m]	Level for 3m [dB μ V/m]	Factor [dB]	Limit [dB μ V/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 (dB μ V/m)

= Uncorrected Analyzer / Receiver reading

Factor (dB)

= Antenna factor + Cable loss – Amplifier gain

Level for 1m (dB μ V/m)= Reading (dB μ V/m) + Factor (dB)Level for 3m (dB μ V/m)= Level for 1m (dB μ V/m) + 20*log(1/3)Limit (dB μ V/m)

= Limit stated in standard

Margin (dB)

= Limit (dB μ V/m) – Level (dB μ V/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 5745MHz)

Mode: IEEE 802.11a

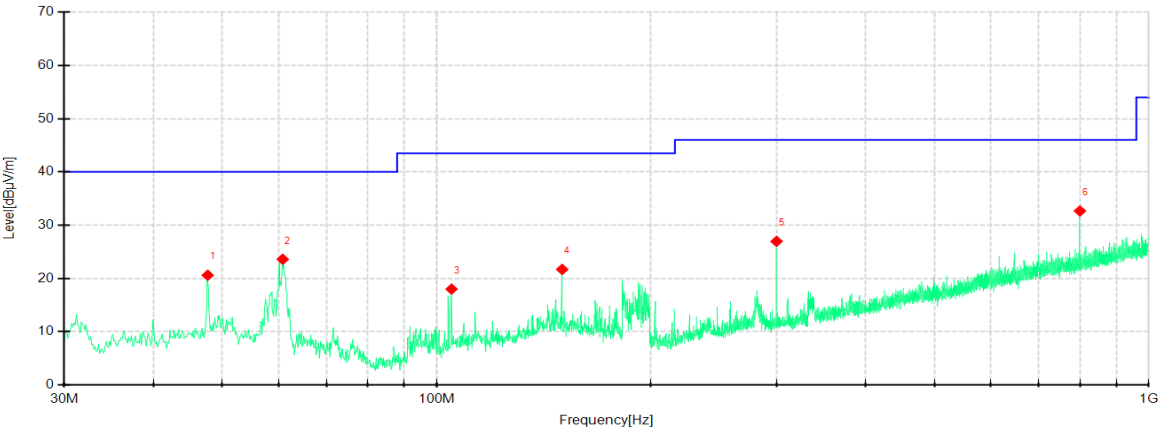
Environment: 25.1°C/63%RH/101.0kPa

Test Engineer: Zhu Rongting

Frequency:5745MHz

Power supply: DC 13.2V

Test Date: 2024-10-20



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	47.7025	49.54	20.60	-28.94	40.00	19.40	PK	100	116	Horizontal
2	60.7975	53.23	23.59	-29.64	40.00	16.41	PK	200	70	Horizontal
3	104.9325	49.26	17.99	-31.27	43.50	25.51	PK	200	20	Horizontal
4	150.0375	49.85	21.69	-28.16	43.50	21.81	PK	200	57	Horizontal
5	300.0238	54.46	26.96	-27.50	46.00	19.04	PK	100	339	Horizontal
6	800.0588	49.36	32.67	-16.69	46.00	13.33	PK	100	116	Horizontal

Mode: IEEE 802.11a

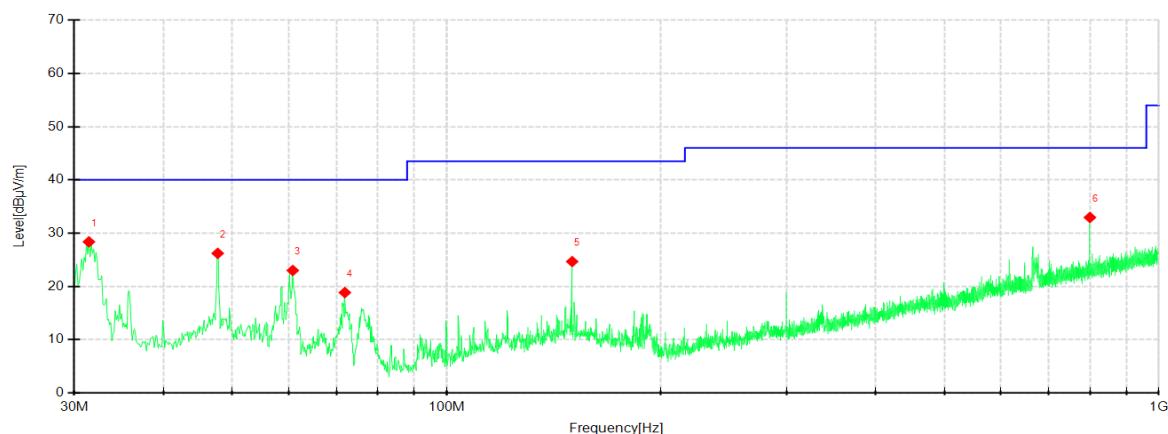
Environment: 25.1°C/63%RH/101.0kPa

Test Engineer: Zhu Rongting

Frequency: 5745MHz

Power supply: DC 13.2V

Test Date: 2024-10-20



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	31.4550	58.22	28.37	-29.85	40.00	11.63	PK	100	35	Vertical
2	47.7025	55.15	26.21	-28.94	40.00	13.79	PK	100	199	Vertical
3	60.7975	52.64	23.00	-29.64	40.00	17.00	PK	200	132	Vertical
4	71.9525	50.41	18.85	-31.56	40.00	21.15	PK	100	47	Vertical
5	150.0375	52.83	24.67	-28.16	43.50	18.83	PK	100	22	Vertical
6	800.0588	49.64	32.95	-16.69	46.00	13.05	PK	100	86	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 (5745MHz)
Environment: 25.1℃/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1147.4000	66.38	45.27	-21.11	74.00	28.73	100	140	Horizontal
2	1599.5000	62.29	42.02	-20.27	74.00	31.98	100	194	Horizontal
3	5043.0500	48.28	49.87	1.59	74.00	24.13	100	182	Horizontal
4	6399.9000	49.01	50.35	1.34	68.30	17.95	100	140	Horizontal
5	14652.3500	36.75	53.04	16.29	68.30	15.26	100	180	Horizontal
6	17842.4500	37.88	54.06	16.18	74.00	19.94	200	141	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	5043.0500	1.59	40.91	42.50	54.00	11.50	100	182	Horizontal
2	17842.4500	16.18	27.56	43.74	54.00	10.26	200	141	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	1065.4500	68.32	46.45	-21.87	74.00	27.55	200	112	Vertical
2	2132.4500	61.33	45.30	-16.03	68.30	23.00	100	297	Vertical
3	4799.9500	52.54	51.52	-1.02	74.00	22.48	200	217	Vertical
4	6399.9000	48.14	49.48	1.34	68.30	18.82	100	139	Vertical
5	15691.9500	39.23	53.14	13.91	74.00	20.86	100	13	Vertical
6	17956.3000	37.97	54.19	16.22	74.00	19.81	200	11	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4799.6721	-1.02	50.57	49.55	54.00	4.45	189	205	Vertical
2	15685.9301	13.91	27.40	41.31	54.00	12.69	142	72.1	Vertical
3	17999.4185	16.22	27.23	43.45	54.00	10.55	200	275.1	Vertical

Mode: IEEE 802.11a
Frequency (5785MHz)
Environment: 25.1°C/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1599.5000	62.03	41.76	-20.27	74.00	32.24	200	155	Horizontal
2	2662.6500	58.37	43.98	-14.39	68.30	24.32	100	196	Horizontal
3	4799.9500	54.00	52.88	-1.12	74.00	21.12	100	196	Horizontal
4	5048.5500	49.08	50.68	1.60	74.00	23.32	100	1	Horizontal
5	5777.8500	50.87	51.53	0.66	68.30	16.77	200	142	Horizontal
6	17688.3500	39.03	54.68	15.65	68.30	13.62	200	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	4799.6371	-1.12	45.78	44.66	54.00	9.34	100	196.4	Horizontal
2	5048.5500	1.60	41.36	42.96	54.00	11.04	100	1	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1317.9000	65.12	45.22	-19.90	74.00	28.78	100	260	Vertical
2	4799.4000	52.36	51.32	-1.04	74.00	22.68	200	207	Vertical
3	6399.9000	47.98	49.32	1.34	68.30	18.98	100	142	Vertical
4	12668.6000	37.28	51.75	14.47	74.00	22.25	100	234	Vertical
5	14995.0500	36.81	53.31	16.50	68.30	14.99	200	335	Vertical
6	17997.7000	37.95	54.20	16.25	74.00	19.80	200	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	4799.4000	-1.04	46.49	45.45	54.00	8.55	200	207	Vertical
2	12668.6000	14.47	27.83	42.30	54.00	11.70	100	234	Vertical
3	17997.7000	16.25	26.68	42.93	54.00	11.07	200	190	Vertical

Mode: IEEE 802.11a
Frequency (5825MHz)
Environment: 25.1℃/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1599.5000	61.49	41.22	-20.27	74.00	32.78	200	142	Horizontal
2	4982.0000	48.78	49.84	1.06	74.00	24.16	200	89	Horizontal
3	6399.9000	49.78	51.12	1.34	68.30	17.18	100	142	Horizontal
4	10431.8500	39.73	50.76	11.03	68.30	17.54	100	19	Horizontal
5	13153.9000	35.67	51.54	15.87	68.30	16.76	200	21	Horizontal
6	17687.2000	38.61	54.25	15.64	68.30	14.05	200	165	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	4982.0000	1.06	42.28	43.34	54.00	10.66	200	89	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	1677.0500	63.32	43.21	-20.11	74.00	30.79	100	286	Vertical
2	4799.4000	52.95	51.91	-1.04	74.00	22.09	200	195	Vertical
3	5973.1000	50.38	51.00	0.62	68.30	17.30	200	116	Vertical
4	6399.9000	49.57	50.91	1.34	68.30	17.39	100	142	Vertical
5	13134.3500	35.68	51.69	16.01	68.30	16.61	100	72	Vertical
6	17996.5500	38.72	54.96	16.24	74.00	19.04	200	151	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	4799.4000	-1.04	43.13	42.09	54.00	11.91	200	195	Vertical
2	17996.5500	16.24	27.02	43.26	54.00	10.74	200	151	Vertical

Mode: IEEE 802.11n HT20
Frequency (5745MHz)
Environment: 25.1℃/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1117.1500	67.88	45.82	-22.06	74.00	28.18	100	90	Horizontal
2	1775.5000	60.74	41.03	-19.71	68.30	27.27	100	90	Horizontal
3	5116.7500	48.61	50.09	1.48	74.00	23.91	100	274	Horizontal
4	6399.9000	48.57	49.91	1.34	68.30	18.39	100	142	Horizontal
5	12210.9000	36.48	49.84	13.36	74.00	24.16	200	219	Horizontal
6	18000.0000	38.20	54.55	16.35	74.00	19.45	100	74	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	5116.7500	1.48	39.61	41.09	54.00	12.91	100	274	Horizontal
2	12210.9000	13.36	31.38	44.74	54.00	9.26	200	219	Horizontal
3	18000.0000	16.35	27.13	43.48	54.00	10.52	100	74	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	1112.2000	70.37	48.42	-21.95	74.00	25.58	200	158	Vertical
2	4261.5000	55.69	50.77	-4.92	74.00	23.23	100	114	Vertical
3	4799.9500	52.44	51.42	-1.02	74.00	22.58	200	195	Vertical
4	6382.3000	51.34	52.09	0.75	68.30	16.21	100	63	Vertical
5	14378.6500	36.23	52.87	16.64	68.30	15.43	200	113	Vertical
6	17988.5000	37.43	53.68	16.25	74.00	20.32	200	246	Vertical

AV Final Data List									
NO.	Freq. [MHz]	Factor [dB]	AV Reading [dBμV/m]	AV Value [dBμV/m]	AV Limit [dBμV/m]	AV Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1112.2000	-21.95	69.92	47.97	54.00	6.03	200	158	Vertical
2	4261.5000	-4.92	45.61	40.69	54.00	13.31	100	114	Vertical
3	4799.9500	-1.02	47.93	46.91	54.00	7.09	200	195	Vertical
4	17988.5000	16.25	26.98	43.23	54.00	10.77	200	246	Vertical

Mode: IEEE 802.11n HT20
Frequency (5785 MHz)
Environment: 25.1°C/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1111.6500	67.05	44.82	-22.23	74.00	29.18	100	141	Horizontal
2	5034.2500	48.30	49.88	1.58	74.00	24.12	200	300	Horizontal
3	6399.9000	49.56	50.90	1.34	68.30	17.40	100	141	Horizontal
4	10558.3500	38.52	49.34	10.82	68.30	18.96	100	218	Horizontal
5	14640.8500	36.26	52.62	16.36	68.30	15.68	100	259	Horizontal
6	17985.0500	38.68	55.04	16.36	74.00	18.96	100	166	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	5034.2500	1.58	38.46	40.04	54.00	13.96	200	300	Horizontal
2	17985.0500	16.36	27.12	43.48	54.00	10.52	100	166	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	1111.6500	69.74	47.79	-21.95	74.00	26.21	200	154	Vertical
2	4252.7000	53.78	48.97	-4.81	74.00	25.03	100	115	Vertical
3	4799.4000	52.77	51.73	-1.04	74.00	22.27	200	194	Vertical
4	5936.8000	49.56	50.35	0.79	68.30	17.95	200	115	Vertical
5	6412.5500	56.42	57.66	1.24	68.30	10.64	100	194	Vertical
6	17991.9500	37.70	53.94	16.24	74.00	20.06	100	235	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	4252.7000	-4.81	46.71	41.90	54.00	12.10	100	115	Vertical
2	4799.4000	-1.04	45.38	44.34	54.00	9.66	200	194	Vertical
3	17991.9500	16.24	27.26	43.50	54.00	10.50	100	235	Vertical

Mode: IEEE 802.11n HT20
Frequency (5825MHz)
Environment: 25.1°C/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1112.2000	65.93	43.72	-22.21	74.00	30.28	100	114	Horizontal
2	3745.6000	59.10	49.81	-9.29	74.00	24.19	100	193	Horizontal
3	5047.4500	49.31	50.92	1.61	74.00	23.08	100	260	Horizontal
4	6399.3500	48.62	49.94	1.32	68.30	18.36	100	142	Horizontal
5	13179.2000	36.29	51.70	15.41	68.30	16.60	200	297	Horizontal
6	17681.4500	39.46	55.07	15.61	68.30	13.23	200	34	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	3745.6000	-9.29	49.79	40.50	54.00	13.50	100	193	Horizontal
2	5047.4500	1.61	38.46	40.07	54.00	13.93	100	260	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	1115.5000	69.48	47.54	-21.94	74.00	26.46	200	156	Vertical
2	4253.2500	54.86	50.04	-4.82	74.00	23.96	100	248	Vertical
3	5967.0500	49.63	50.30	0.67	68.30	18.00	200	116	Vertical
4	6391.1000	51.08	52.13	1.05	68.30	16.17	100	50	Vertical
5	16097.9000	40.08	53.33	13.25	74.00	20.67	200	283	Vertical
6	17717.1000	38.74	53.83	15.09	74.00	20.17	100	164	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	4253.2500	-4.82	44.41	39.59	54.00	14.41	100	248	Vertical
2	16077.3953	13.25	28.51	41.76	54.00	12.24	105	10.7	Vertical
3	17717.1000	15.09	27.13	42.22	54.00	11.78	100	164	Vertical

Mode: IEEE 802.11n HT40
Frequency (5755MHz)
Environment: 25.1℃/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1246.9500	66.87	46.11	-20.76	68.30	22.19	100	112	Horizontal
2	2394.2500	59.68	44.36	-15.32	68.30	23.94	100	138	Horizontal
3	3298.4500	60.41	47.94	-12.47	68.30	20.36	100	151	Horizontal
4	5046.3500	48.41	50.02	1.61	74.00	23.98	200	178	Horizontal
5	6399.3500	47.92	49.24	1.32	68.30	19.06	200	164	Horizontal
6	17811.4000	36.96	53.07	16.11	74.00	20.93	200	24	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	42.32	43.93	54.00	10.07	200	178	Horizontal
2	17811.4000	16.11	27.31	43.42	54.00	10.58	200	24	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	1117.1500	69.66	47.72	-21.94	74.00	26.28	200	180	Vertical
2	4254.3500	54.27	49.44	-4.83	74.00	24.56	100	270	Vertical
3	4799.9500	53.41	52.39	-1.02	74.00	21.61	200	207	Vertical
4	6404.3000	54.33	55.63	1.30	68.30	12.67	100	101	Vertical
5	16774.1000	39.10	54.08	14.98	68.30	14.22	200	286	Vertical
6	17805.6500	36.77	52.76	15.99	74.00	21.24	100	21	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	4254.3500	-4.83	44.26	39.43	54.00	14.57	100	270	Vertical
2	4799.9500	-1.02	47.79	46.77	54.00	7.23	200	207	Vertical
3	17805.6500	15.99	26.78	42.77	54.00	11.23	100	21	Vertical

Mode: IEEE 802.11n HT40
Frequency (5795MHz)
Environment: 25.1℃/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1111.1000	66.68	44.44	-22.24	74.00	29.56	100	152	Horizontal
2	5061.2000	48.73	50.32	1.59	74.00	23.68	200	233	Horizontal
3	6399.9000	49.38	50.72	1.34	68.30	17.58	100	139	Horizontal
4	14223.4000	35.82	52.30	16.48	68.30	16.00	100	0	Horizontal
5	16084.1000	40.31	53.42	13.11	74.00	20.58	200	194	Horizontal
6	17686.0500	38.77	54.40	15.63	68.30	13.90	200	340	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	5061.2000	1.59	41.62	43.21	54.00	10.79	200	233	Horizontal
2	16084.1000	13.11	28.68	41.79	54.00	12.21	200	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	1598.9500	66.77	46.80	-19.97	74.00	27.20	100	180	Vertical
2	4248.3000	54.87	50.07	-4.80	74.00	23.93	100	127	Vertical
3	4799.4000	52.95	51.91	-1.04	74.00	22.09	200	207	Vertical
4	6375.7000	57.47	58.01	0.54	68.30	10.29	100	74	Vertical
5	16884.5000	38.58	53.84	15.26	68.30	14.46	200	167	Vertical
6	17666.5000	39.22	53.92	14.70	68.30	14.38	200	115	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	4248.3000	-4.80	46.79	41.99	54.00	12.01	100	127	Vertical
2	4799.4000	-1.04	47.58	46.54	54.00	7.46	200	207	Vertical

Mode: IEEE 802.11ac VHT20
Frequency (5745MHz)
Environment: 25.1°C/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1112.7500	66.67	44.48	-22.19	74.00	29.52	100	112	Horizontal
2	5068.9000	47.94	49.51	1.57	74.00	24.49	100	359	Horizontal
3	6400.4500	48.63	49.96	1.33	68.30	18.34	100	179	Horizontal
4	13184.9500	36.17	51.47	15.30	68.30	16.83	100	60	Horizontal
5	16762.6000	38.90	53.61	14.71	68.30	14.69	200	341	Horizontal
6	17689.5000	38.94	54.59	15.65	68.30	13.71	100	180	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	5068.9000	1.57	43.92	45.49	54.00	8.51	100	359	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	1110.0000	70.95	48.99	-21.96	74.00	25.01	200	179	Vertical
2	3199.4500	60.21	47.99	-12.22	68.30	20.31	100	73	Vertical
3	4984.2000	48.87	50.26	1.39	74.00	23.74	200	20	Vertical
4	6224.4500	50.95	51.47	0.52	68.30	16.83	100	206	Vertical
5	16072.6000	40.18	53.50	13.32	74.00	20.50	100	24	Vertical
6	17997.7000	38.67	54.92	16.25	74.00	19.08	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	1110.0000	-21.96	69.13	47.17	54.00	6.83	200	179	Vertical
2	4984.2000	1.39	41.62	43.01	54.00	10.99	200	20	Vertical
3	16072.6000	13.32	32.63	45.95	54.00	8.05	100	24	Vertical
4	17997.7000	16.25	25.08	41.33	54.00	12.67	100	340	Vertical

Mode: IEEE 802.11ac VHT20
Frequency (5785 MHz)
Environment: 25.1℃/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1110.5500	66.85	44.59	-22.26	74.00	29.41	100	101	Horizontal
2	2605.4500	57.79	42.77	-15.02	68.30	25.53	100	101	Horizontal
3	5114.5500	48.15	49.63	1.48	74.00	24.37	100	22	Horizontal
4	6399.9000	49.58	50.92	1.34	68.30	17.38	100	143	Horizontal
5	14615.5500	36.47	52.97	16.50	68.30	15.33	100	153	Horizontal
6	17996.5500	38.51	54.86	16.35	74.00	19.14	200	127	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	5114.5500	1.48	42.78	44.26	54.00	9.74	100	22	Horizontal
2	17996.5500	16.35	27.16	43.51	54.00	10.49	200	127	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	1110.5500	69.91	47.95	-21.96	74.00	26.05	200	155	Vertical
2	4269.7500	53.88	48.85	-5.03	74.00	25.15	100	194	Vertical
3	4799.9500	52.90	51.88	-1.02	74.00	22.12	200	208	Vertical
4	6392.2000	53.89	54.97	1.08	68.30	13.33	100	206	Vertical
5	14655.8000	37.42	53.69	16.27	68.30	14.61	100	206	Vertical
6	17998.8500	37.92	54.17	16.25	74.00	19.83	100	325	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	4269.7500	-5.03	45.52	40.49	54.00	13.51	100	194	Vertical
2	4799.9500	-1.02	42.67	41.65	54.00	12.35	200	208	Vertical
3	17998.8500	16.25	27.41	43.66	54.00	10.34	100	325	Vertical

Mode: IEEE 802.11ac VHT20
Frequency (5825MHz)
Environment: 25.1℃/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1110.0000	67.03	44.75	-22.28	74.00	29.25	100	89	Horizontal
2	5048.0000	48.14	49.74	1.60	74.00	24.26	100	157	Horizontal
3	6399.9000	51.26	52.60	1.34	68.30	15.70	100	144	Horizontal
4	10192.6500	39.75	50.36	10.61	68.30	17.94	200	46	Horizontal
5	16076.0500	39.72	52.81	13.09	74.00	21.19	100	21	Horizontal
6	17991.9500	37.93	54.28	16.35	74.00	19.72	100	271	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	5048.0000	1.60	44.26	45.86	54.00	8.14	100	157	Horizontal
2	16076.0500	13.09	29.28	42.37	54.00	11.63	100	21	Horizontal
3	17991.9500	16.35	27.19	43.54	54.00	10.46	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	1113.8500	68.96	47.02	-21.94	74.00	26.98	200	154	Vertical
2	4268.1000	54.09	49.08	-5.01	74.00	24.92	100	260	Vertical
3	4799.9500	52.97	51.95	-1.02	74.00	22.05	200	194	Vertical
4	6409.8000	54.89	56.15	1.26	68.30	12.15	100	220	Vertical
5	14605.2000	36.76	53.24	16.48	68.30	15.06	200	178	Vertical
6	17997.7000	38.60	54.85	16.25	74.00	19.15	200	242	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	4268.1000	-5.01	45.63	40.62	54.00	13.38	100	260	Vertical
2	4799.9500	-1.02	43.71	42.69	54.00	11.31	200	194	Vertical
3	17997.7000	16.25	27.37	43.62	54.00	10.38	200	242	Vertical

Mode: IEEE 802.11ac VHT40
Frequency (5755 MHz)
Environment: 25.1°C/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1115.5000	67.94	45.84	-22.10	74.00	28.16	100	90	Horizontal
2	4980.9000	48.82	49.85	1.03	74.00	24.15	100	272	Horizontal
3	6399.9000	51.53	52.87	1.34	68.30	15.43	100	143	Horizontal
4	10449.1000	38.74	50.15	11.41	68.30	18.15	200	152	Horizontal
5	16747.6500	39.37	53.95	14.58	68.30	14.35	100	350	Horizontal
6	17981.6000	38.15	54.51	16.36	74.00	19.49	200	178	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	4980.9000	1.03	44.51	45.54	54.00	8.46	100	272	Horizontal
2	17981.6000	16.36	27.16	43.52	54.00	10.48	200	178	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	1113.8500	70.19	48.25	-21.94	74.00	25.75	200	153	Vertical
2	2659.3500	64.10	49.47	-14.63	68.30	18.83	100	47	Vertical
3	4799.9500	52.64	51.62	-1.02	74.00	22.38	200	208	Vertical
4	6391.6500	53.72	54.78	1.06	68.30	13.52	100	195	Vertical
5	16729.2500	39.17	53.79	14.62	68.30	14.51	100	20	Vertical
6	17993.1000	39.26	55.51	16.25	74.00	18.49	100	151	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	1113.8500	-21.94	70.09	48.15	54.00	5.85	200	153	Vertical
2	4799.9500	-1.02	41.68	40.66	54.00	13.34	200	208	Vertical
3	17993.1000	16.25	27.38	43.63	54.00	10.37	100	151	Vertical

Mode: IEEE 802.11ac VHT40
Frequency (5795MHz)
Environment: 25.1°C/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1115.5000	69.04	46.94	-22.10	74.00	27.06	100	90	Horizontal
2	2665.4000	59.73	45.39	-14.34	68.30	22.91	200	141	Horizontal
3	5046.9000	48.39	50.00	1.61	74.00	24.00	200	0	Horizontal
4	6399.9000	49.57	50.91	1.34	68.30	17.39	100	142	Horizontal
5	17070.8000	37.63	53.07	15.44	68.30	15.23	200	126	Horizontal
6	17971.2500	38.16	54.52	16.36	74.00	19.48	100	204	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	42.79	44.40	54.00	9.60	200	0	Horizontal
2	17971.2500	16.36	27.26	43.62	54.00	10.38	100	204	Horizontal

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1110.0000	69.41	47.45	-21.96	74.00	26.55	200	143	Vertical
2	4254.3500	53.84	49.01	-4.83	74.00	24.99	100	259	Vertical
3	4799.9500	52.60	51.58	-1.02	74.00	22.42	200	194	Vertical
4	6205.7500	52.25	52.56	0.31	68.30	15.74	100	193	Vertical
5	16761.4500	38.38	53.20	14.82	68.30	15.10	100	351	Vertical
6	17940.2000	37.91	54.13	16.22	74.00	19.87	100	88	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	4254.3500	-4.83	44.93	40.10	54.00	13.90	100	259	Vertical
2	4799.9500	-1.02	45.27	44.25	54.00	9.75	200	194	Vertical
3	17940.2000	16.22	26.28	42.50	54.00	11.50	100	88	Vertical

Mode: IEEE 802.11ac VHT80
Frequency (5775MHz)
Environment: 25.1°C/63%RH/101.0kPa
Tested By:Zhu Rongting

Date: 2024-10-20
Voltage:DC 13.2V

Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1114.9500	68.05	45.93	-22.12	74.00	28.07	100	88	Horizontal
2	4253.8000	52.03	46.64	-5.39	74.00	27.36	100	167	Horizontal
3	5072.2000	48.32	49.89	1.57	74.00	24.11	200	115	Horizontal
4	6399.9000	49.77	51.11	1.34	68.30	17.19	100	142	Horizontal
5	14661.5500	36.64	52.85	16.21	68.30	15.45	100	139	Horizontal
6	17702.1500	37.42	53.14	15.72	74.00	20.86	200	310	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	5072.2000	1.57	42.87	44.44	54.00	9.56	200	115	Horizontal
2	17702.1500	15.72	27.29	43.01	54.00	10.99	200	310	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	1111.1000	70.37	48.41	-21.96	74.00	25.59	200	155	Vertical
2	4262.6000	55.62	50.68	-4.94	74.00	23.32	100	287	Vertical
3	4799.9500	52.94	51.92	-1.02	74.00	22.08	200	207	Vertical
4	6360.8500	56.66	56.70	0.04	68.30	11.60	100	194	Vertical
5	16754.5500	39.11	53.85	14.74	68.30	14.45	100	153	Vertical
6	17998.8500	38.34	54.59	16.25	74.00	19.41	100	297	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	1111.1000	-21.96	69.79	47.83	54.00	6.17	200	155	Vertical
2	4262.6000	-4.94	46.68	41.74	54.00	12.26	100	287	Vertical
3	4799.9500	-1.02	43.79	42.77	54.00	11.23	200	207	Vertical
4	17998.8500	16.25	27.31	43.56	54.00	10.44	100	297	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 _5745MHz) is recorded in this report.

Mode: IEEE 802.11a

Frequency (5745MHz)

Environment: 25.1°C/63%RH/101.0kPa

Test Engineer: Zhu Rongting

Test Date: 2024-10-20

Power supply: DC 13.2V

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	20510.2000	47.96	32.69	23.15	-15.27	74.00	50.85	100	235	Horizontal
2	21800.5000	47.94	33.03	23.49	-14.91	74.00	50.51	100	45	Horizontal
3	23459.3000	47.47	33.44	23.90	-14.03	74.00	50.10	100	235	Horizontal
4	30141.8000	48.77	34.76	25.22	-14.01	74.00	48.78	100	192	Horizontal
5	33717.9000	49.23	35.75	26.21	-13.48	74.00	47.79	100	45	Horizontal
6	39711.8000	50.87	42.15	32.61	-8.72	74.00	41.39	100	321	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	19406.9000	49.59	34.11	24.57	-15.48	74.00	49.43	100	103	Vertical
2	20514.6000	48.82	33.74	24.20	-15.08	74.00	49.80	100	341	Vertical
3	23767.3000	47.69	34.12	24.58	-13.57	74.00	49.42	100	227	Vertical
4	26745.0000	47.01	34.76	25.22	-12.25	74.00	48.78	100	341	Vertical
5	33701.4000	49.06	35.51	25.97	-13.55	74.00	48.03	100	103	Vertical
6	39855.9000	50.66	42.30	32.76	-8.36	74.00	41.24	100	103	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

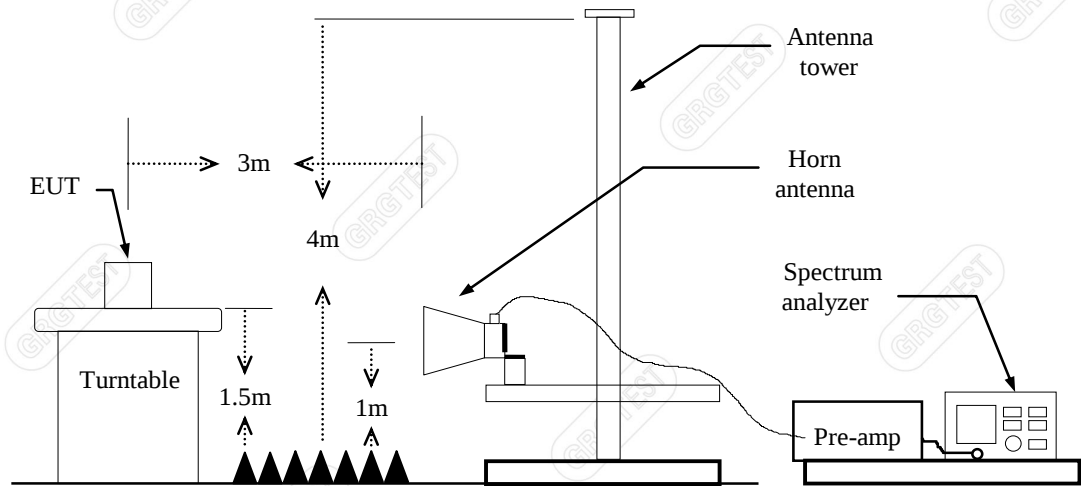
Section 15.407(b)(10) The provisions of §15.205 apply to intentional radiators operating under this section. 15.205(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

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



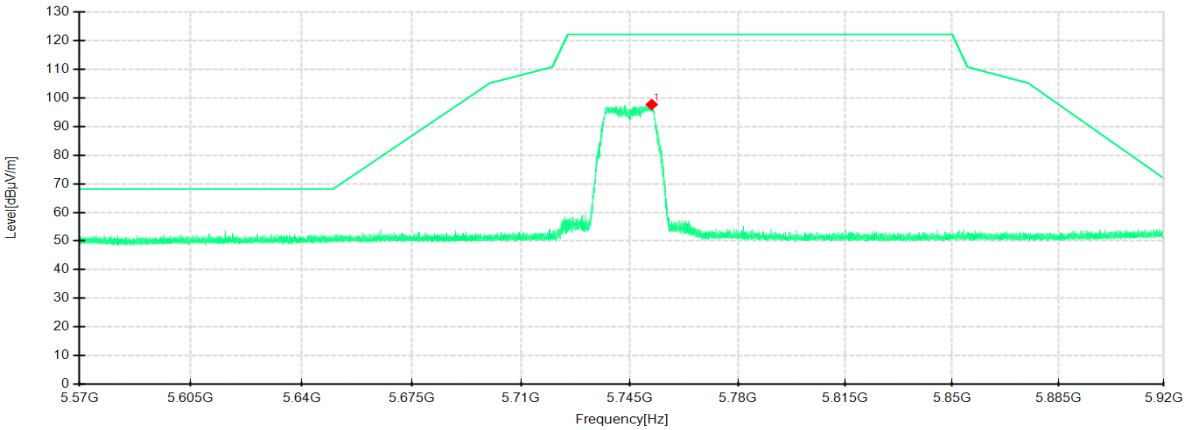
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6.4 TEST RESULTS

IEEE 802.11a mode ANT2

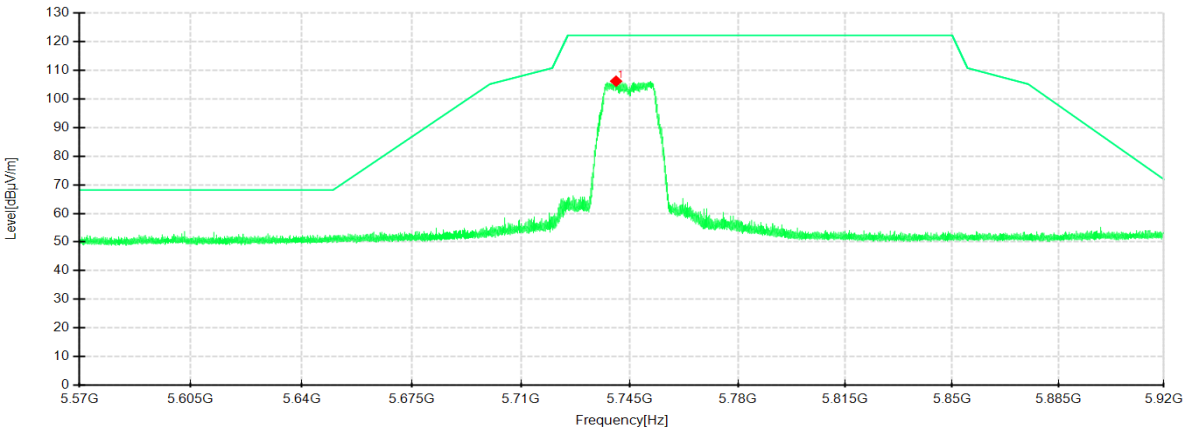
Frequency 5745MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

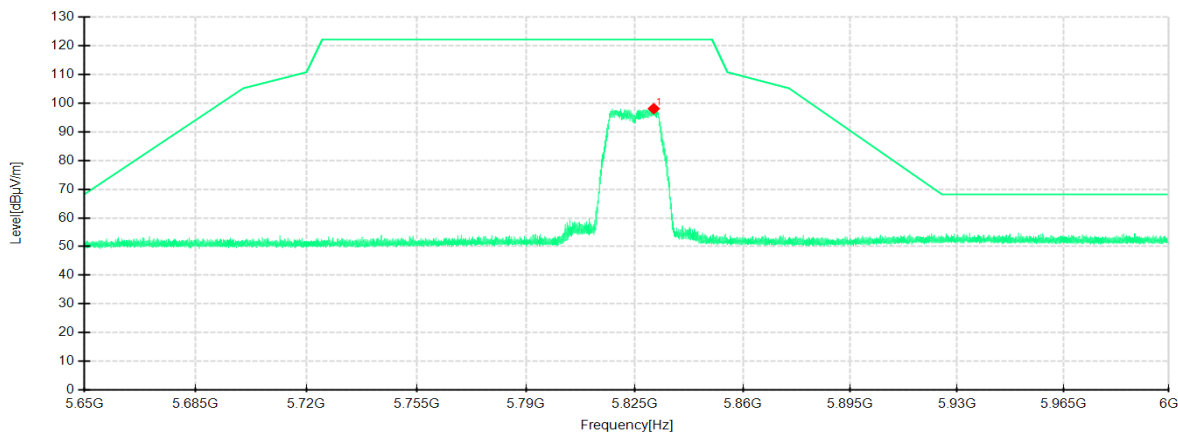


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5752.0700	89.70	97.71	8.01	122.20	24.49	200	169	Horizontal	/
1	5740.5550	97.99	106.21	8.22	122.20	15.99	200	221	Vertical	/

IEEE 802.11a mode ANT2

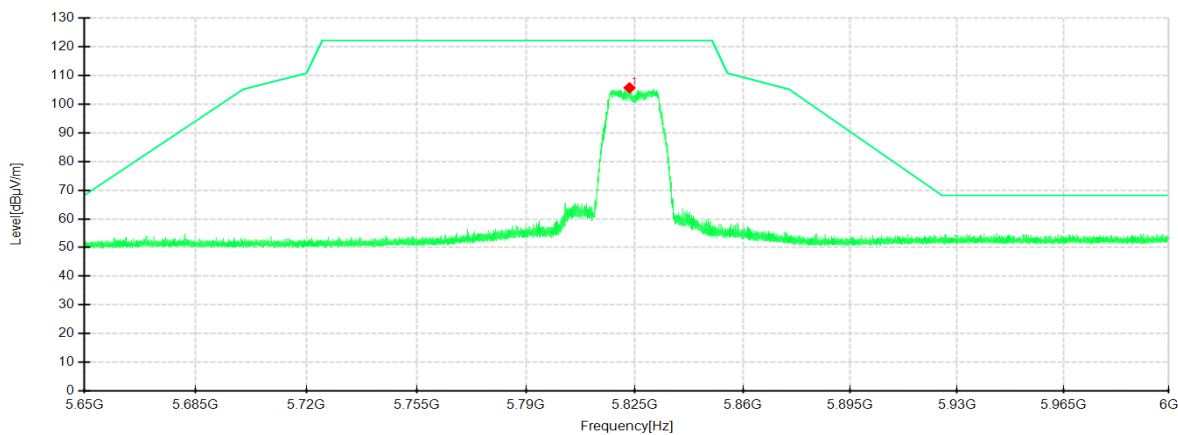
Frequency 5825MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

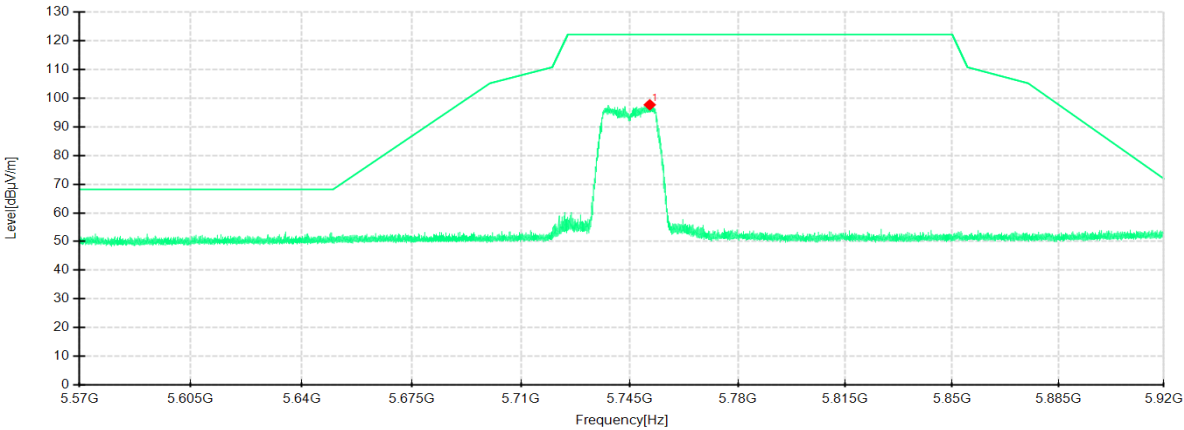


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5831.1425	90.03	98.07	8.04	122.20	24.13	200	125	Horizontal	/
1	5823.3200	97.52	105.70	8.18	122.20	16.50	200	221	Vertical	/

IEEE 802.11n HT20 mode ANT2

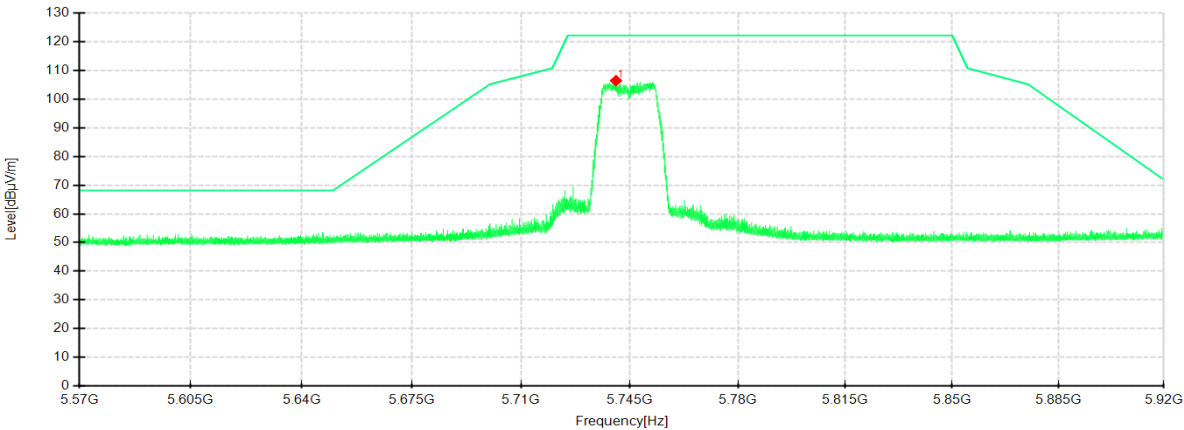
Frequency 5745MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

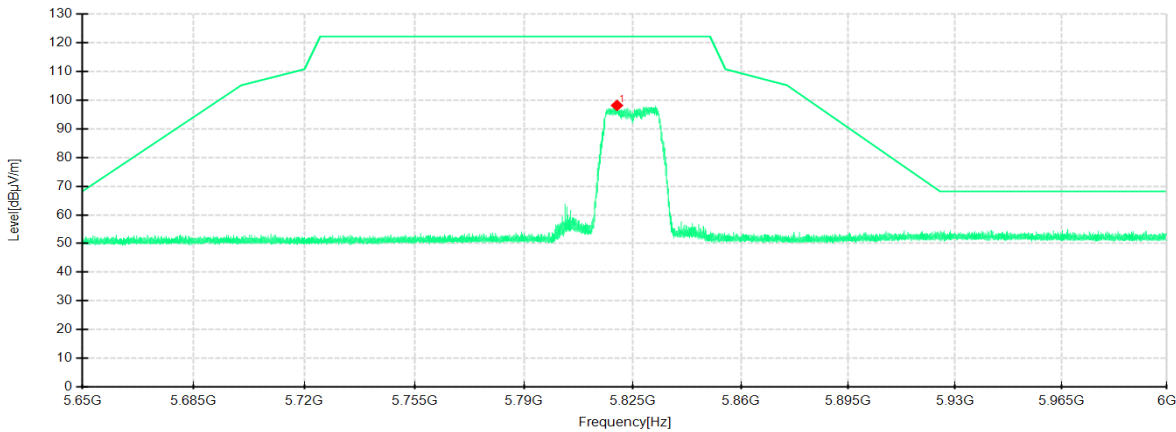


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5751.4225	89.69	97.70	8.01	122.20	24.50	200	156	Horizontal	/
1	5740.5200	98.24	106.46	8.22	122.20	15.74	200	220	Vertical	/

IEEE 802.11n HT20 mode ANT2

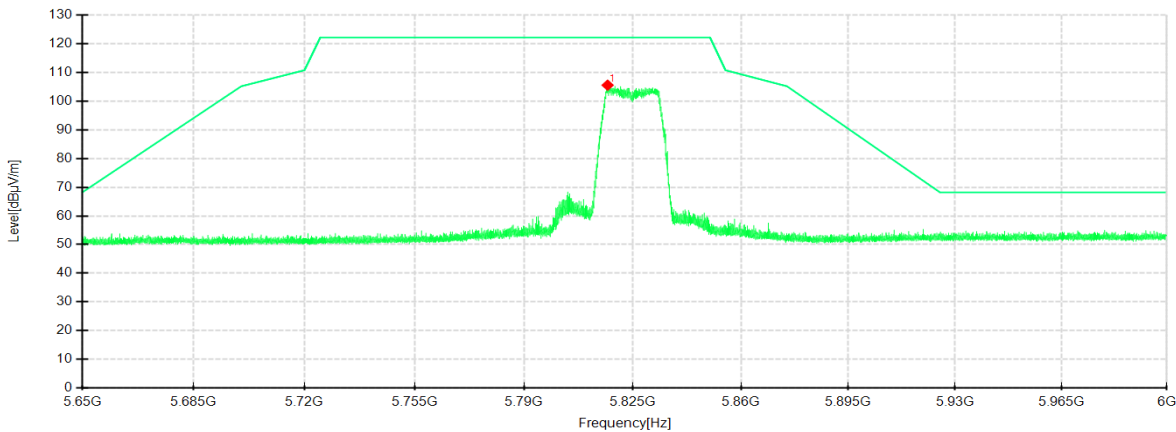
Frequency 5825MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

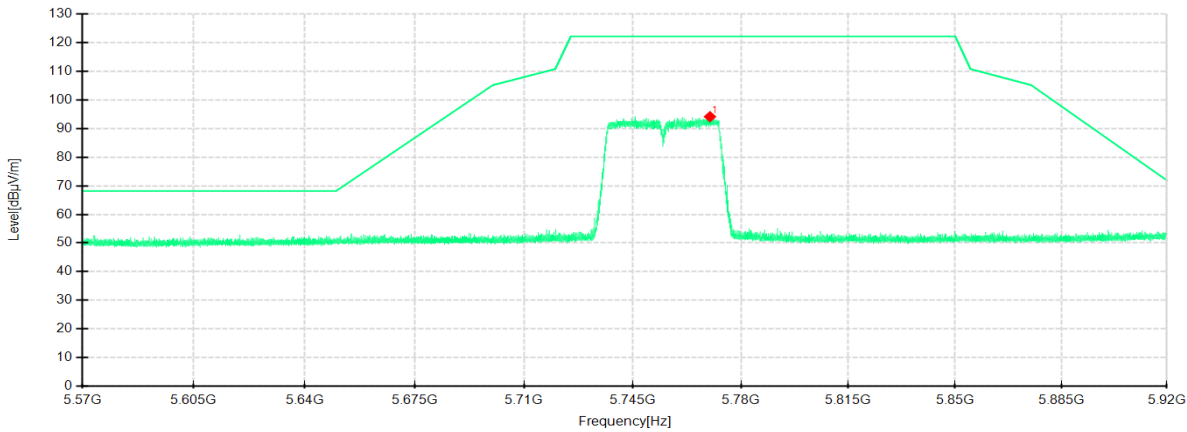


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBμV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5819.9075	90.14	98.16	8.02	122.20	24.04	200	124	Horizontal	/
1	5816.8975	97.40	105.58	8.18	122.20	16.62	200	218	Vertical	/

IEEE 802.11n HT40 mode ANT2

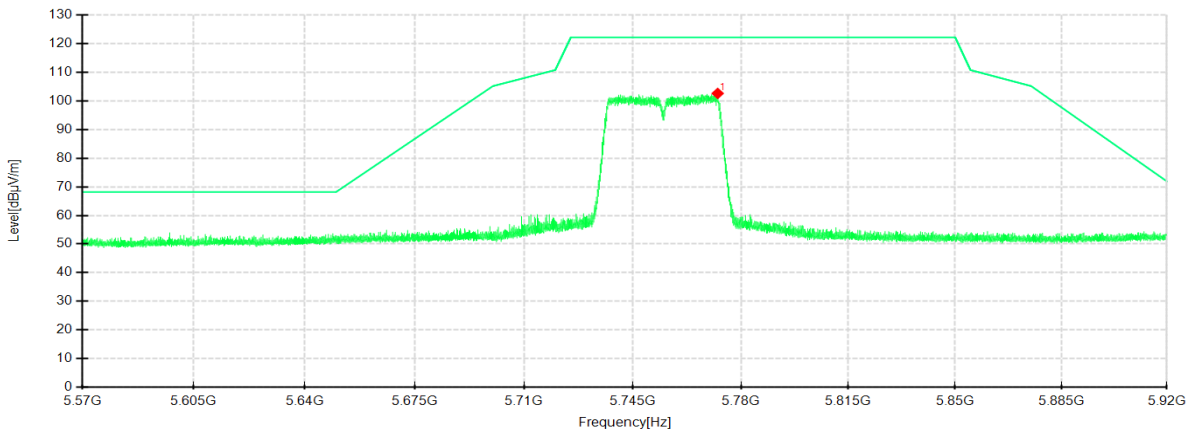
Frequency 5755MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

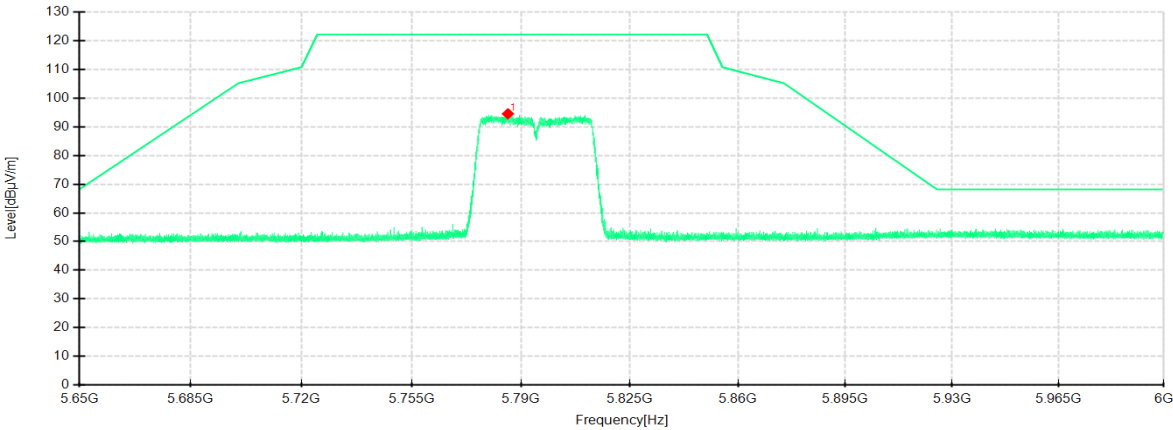


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5769.9375	86.15	94.14	7.99	122.20	28.06	200	171	Horizontal	/
1	5772.4400	94.39	102.63	8.24	122.20	19.57	200	220	Vertical	/

IEEE 802.11n HT40 mode ANT2

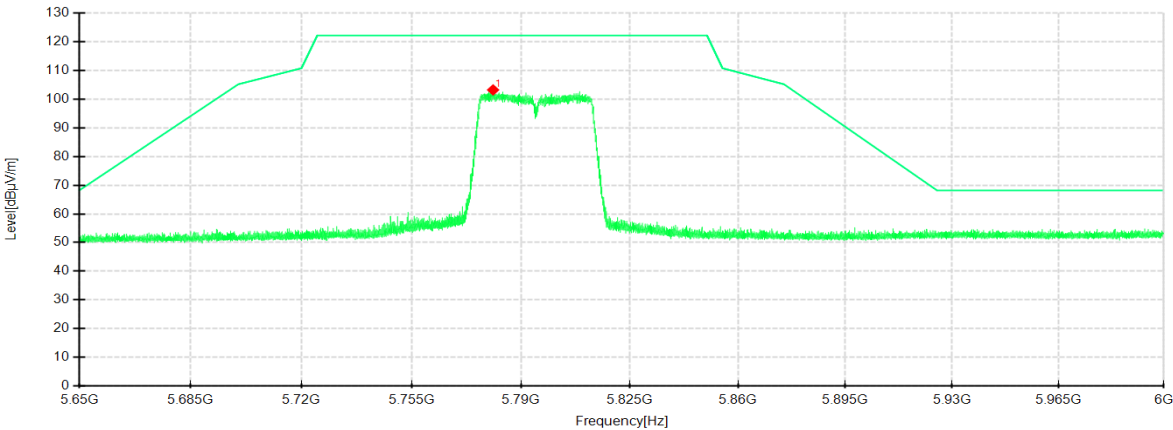
Frequency 5795MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

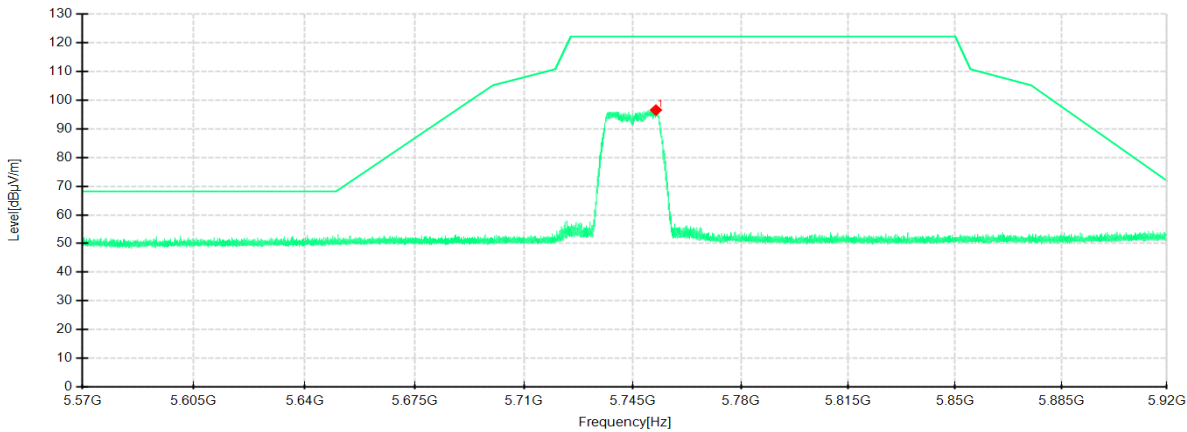


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5785.8175	86.57	94.55	7.98	122.20	27.65	200	126	Horizontal	/
1	5781.0575	95.00	103.22	8.22	122.20	18.98	200	221	Vertical	/

IEEE 802.11ac VHT20 mode ANT2

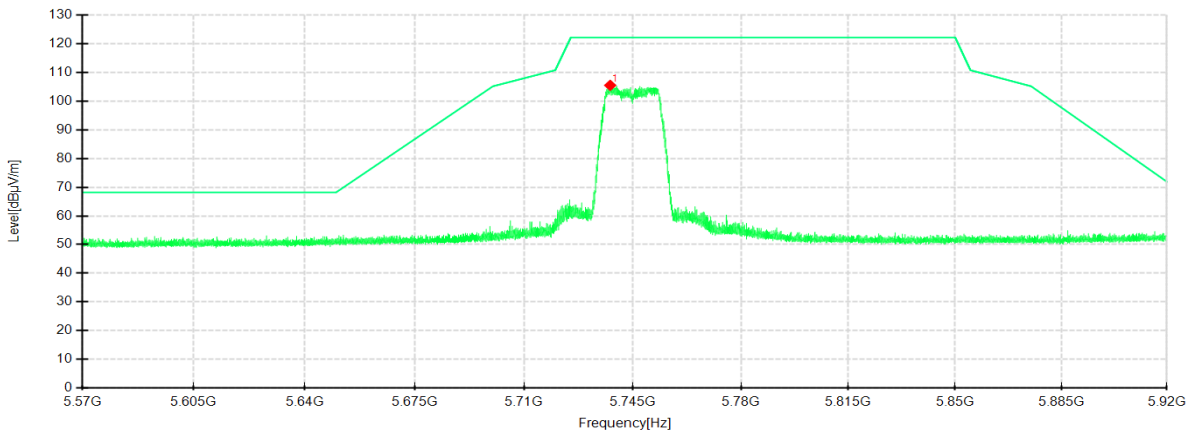
Frequency 5745MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

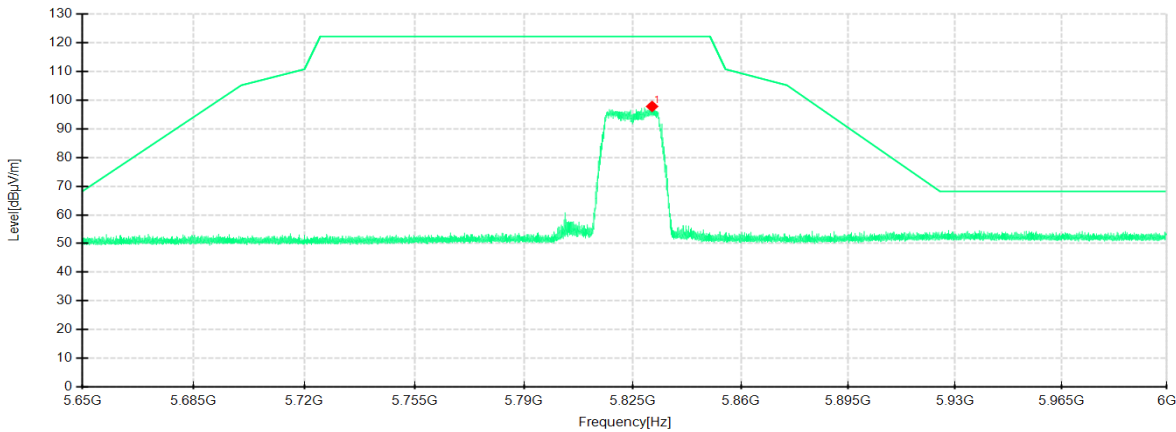


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5752.4375	88.55	96.56	8.01	122.20	25.64	200	156	Horizontal	/
1	5737.6850	97.32	105.52	8.20	122.20	16.68	200	218	Vertical	/

IEEE 802.11ac VHT20 mode ANT2

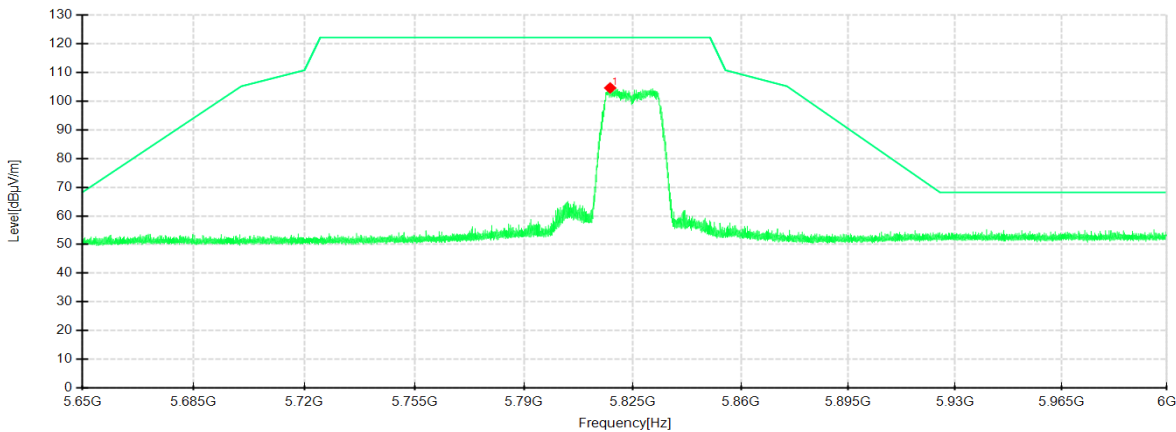
Frequency 5825MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

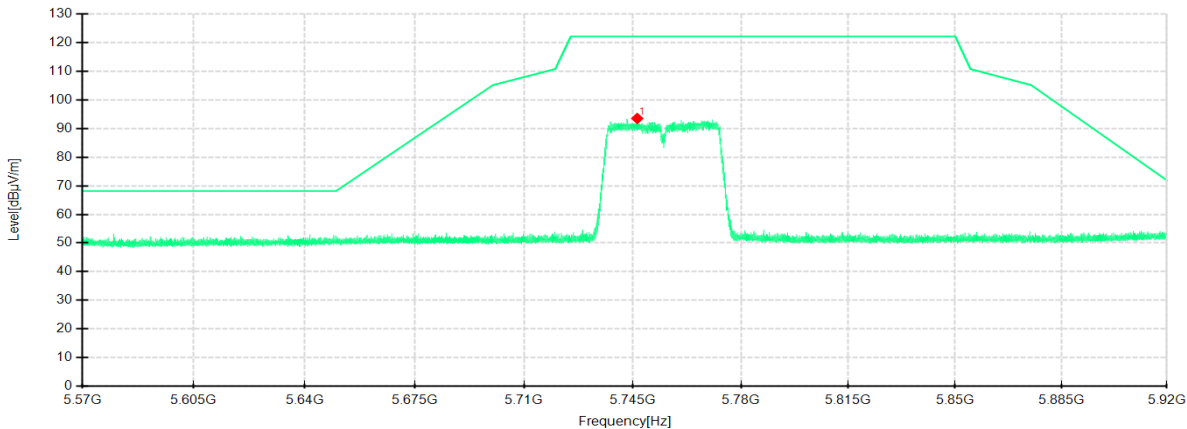


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5831.2475	89.78	97.82	8.04	122.20	24.38	200	124	Horizontal	/
1	5817.7200	96.44	104.62	8.18	122.20	17.58	200	221	Vertical	/

IEEE 802.11ac VHT40 mode ANT2

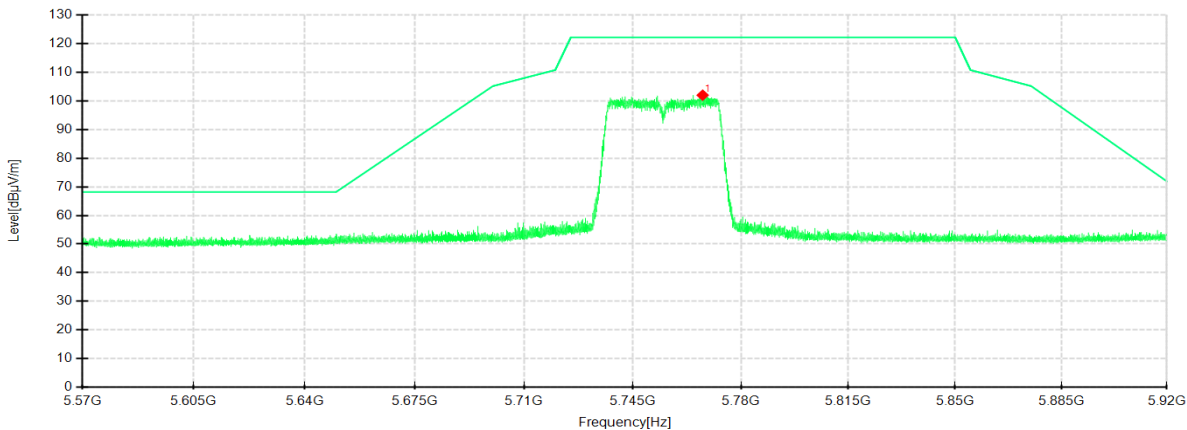
Frequency 5755MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

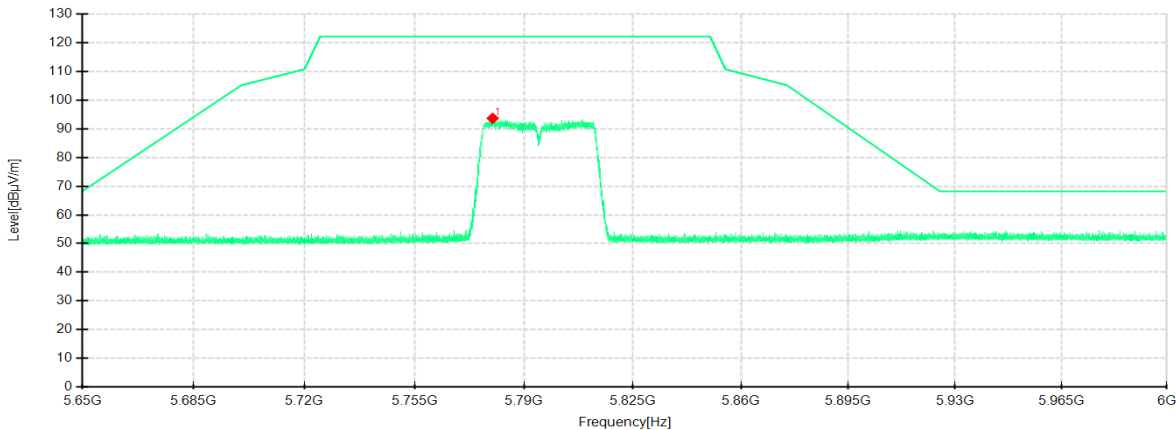


No.	Frequency MHz	Reading dBµV/m	Level dBµV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5746.4175	85.56	93.54	7.98	122.20	28.66	200	157	Horizontal	/
1	5767.5750	93.75	102.02	8.27	122.20	20.18	200	219	Vertical	/

IEEE 802.11ac VHT40 mode ANT2

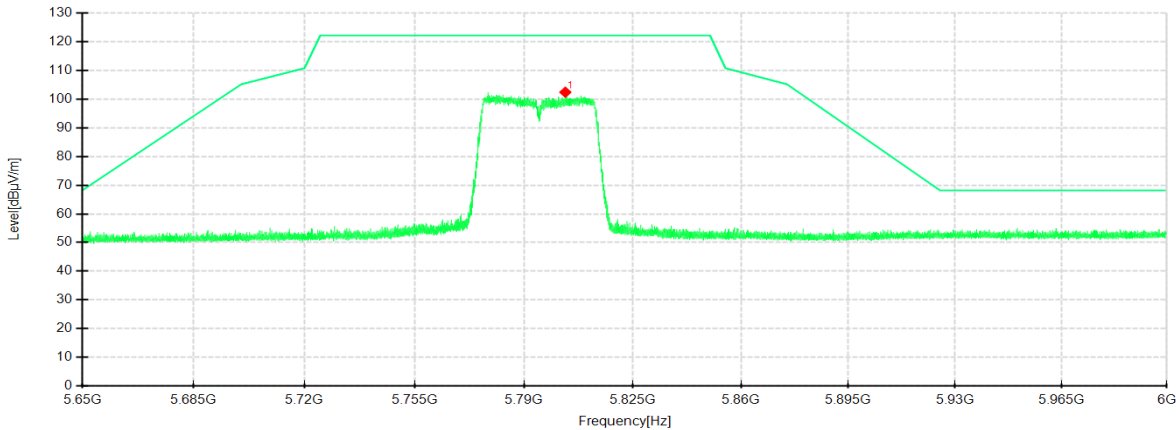
Frequency 5795MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
Polarity: Horizontal



Detector mode: Peak

Polarity: Vertical

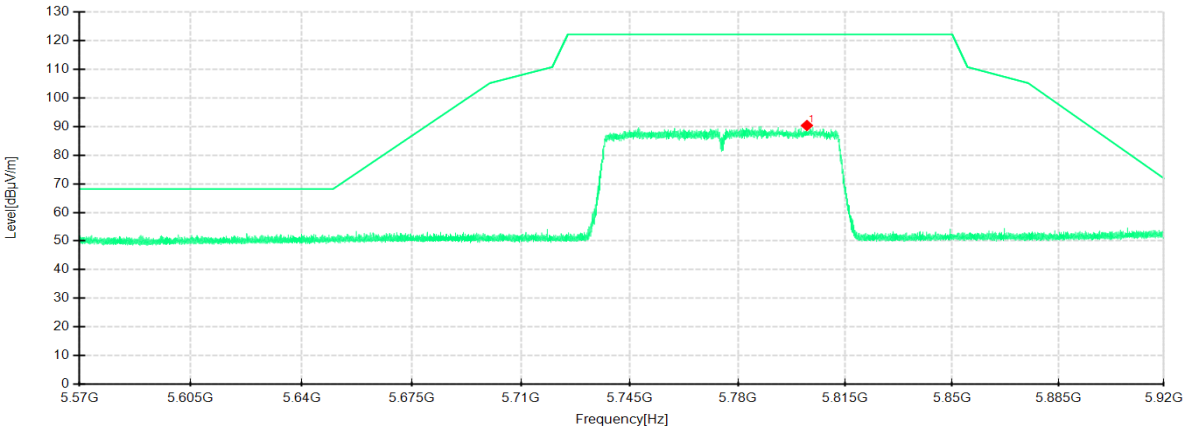


No.	Frequency MHz	Reading dBμV/m	Level dBμV/m	Factor dB	Limit dBuV/m	Margin dB	Height cm	Angle °	Pole	Comment
1	5779.9725	85.68	93.67	7.99	122.20	28.53	200	158	Horizontal	/
1	5803.2825	94.25	102.42	8.17	122.20	19.78	200	220	Vertical	/

IEEE 802.11ac VHT80 mode ANT2

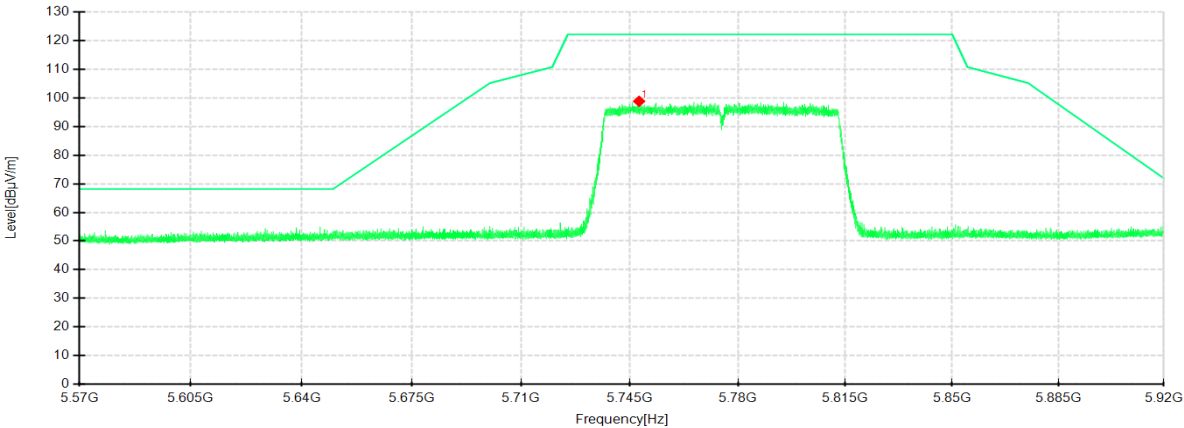
Frequency 5775MHz
Environment: 25.1°C/63%RH/101.0kPa
Tested By: Zhu Rongting
Detector mode: Peak

Voltage: DC 13.2V
Date: 2024-10-20
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	5802.4350	82.41	90.38	7.97	122.20	31.82	200	139	Horizontal	/
1	5747.9750	90.55	98.84	8.29	122.20	23.36	200	218	Vertical	/

7. 6dB BANDWIDTH & 99% OCCUPIED BANDWIDTH

7.1 LIMITS

Band	Frequency (MHz)	Test Item	Limit
U-NII-3	5725-5850	6dB Bandwidth&99% Occupied Bandwidth	6dB Bandwidth $\geq$ 500kHz

7.2 TEST PROCEDURES

For 6dB Bandwidth Measurement :

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with table 1.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize,measure the maximum width of the emission that is constrained by the frequencies associatedwith the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
- Repeat above procedures until all modes and channels were measured.
- Record the results in the test report.

For 99% Occupied BandwidthMeasurement :

- Connect EUT antenna terminal to the spectrum analyzer with RF cable.
- Spectrum analyzer setting parameters in accordance with table 2.
- Set the EUT transmit continuously with maximum output power.
- Allow trace to stabilize,use the 99% power bandwidth function to measure bandwidth.
- Repeat above procedures until all modes and channels were measured.

Record the results in the test report.

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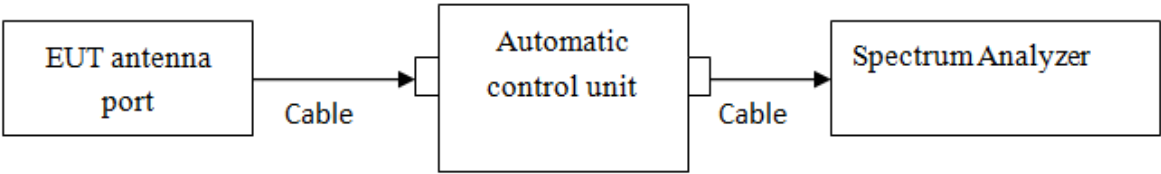
Table 1:

6dB Bandwidth	
Spectrum Parameters	Setting
RBW	100kHz
VBW	300kHz
Span	40MHz(20MHz Bandwidth mode) 60MHz(40MHz Bandwidth mode) 120MHz(80MHz Bandwidth mode)
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

Table 2:

99% Occupied Bandwidth	
Spectrum Parameters	Setting
RBW	1% to 5% of the OBW
VBW	approximately three times the RBW
Span	between 1.5 times and 5.0 times the OBW
Sweep Time	Auto
Detector	Peak
Trace Mode	Max Hold

7.3 TEST SETUP



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7.4 TEST RESULTS

Environment: 24.9℃/50%RH 101.0kPa

Tested By: Qin Tingting

Voltage:DC 13.2V

Date: 2024-10-15

6dB Bandwidth

Test Mode	Antenna	Freq(MHz)	6dB EBW [MHz]	F _L [MHz]	F _H [MHz]	Limit[MHz]	Verdict
IEEE 802.11a	Ant2	5745	16.32	5736.80	5753.12	0.5	PASS
		5785	16.32	5776.80	5793.12	0.5	PASS
		5825	16.32	5816.80	5833.12	0.5	PASS
IEEE 802.11n HT20	Ant2	5745	17.60	5736.16	5753.76	0.5	PASS
		5785	17.60	5776.16	5793.76	0.5	PASS
		5825	17.60	5816.16	5833.76	0.5	PASS
IEEE 802.11n HT40	Ant2	5755	36.32	5736.76	5773.08	0.5	PASS
		5795	36.48	5776.68	5813.16	0.5	PASS
IEEE 802.11ac VHT20	Ant2	5745	17.60	5736.16	5753.76	0.5	PASS
		5785	17.56	5776.16	5793.72	0.5	PASS
		5825	17.60	5816.16	5833.76	0.5	PASS
IEEE 802.11ac VHT40	Ant2	5755	36.08	5736.76	5772.84	0.5	PASS
		5795	36.32	5776.76	5813.08	0.5	PASS
IEEE 802.11ac VHT80	Ant2	5775	75.84	5736.76	5812.60	0.5	PASS

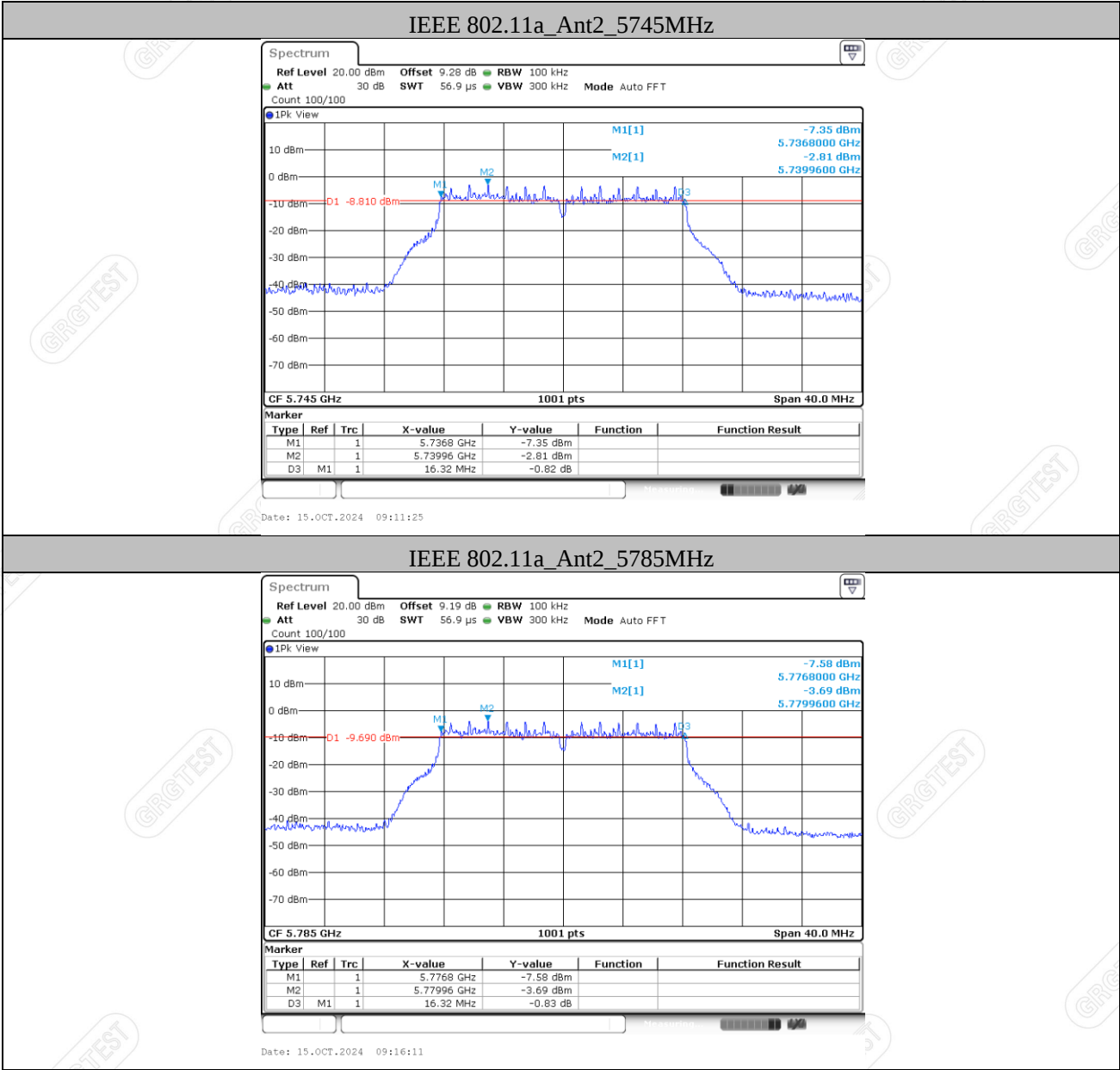
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99% OCCUPIED BANDWIDTH

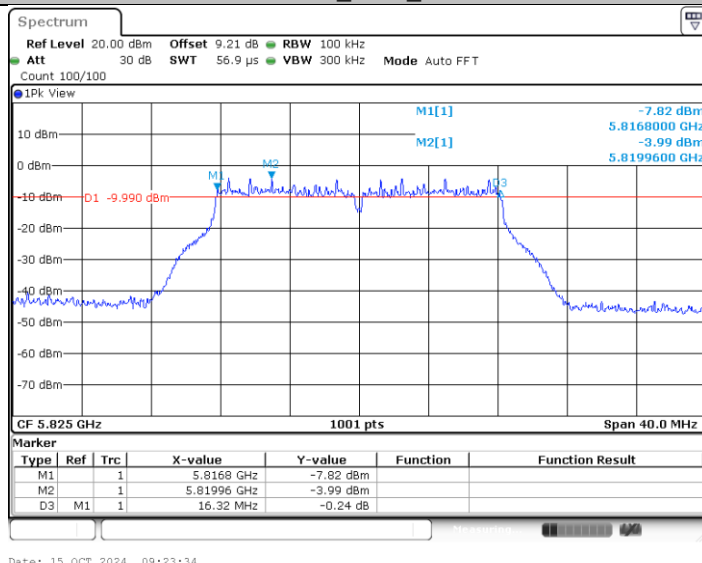
Test Mode	Antenna	Freq(MHz)	OCB [MHz]	F _L [MHz]	F _H [MHz]	Limit[MHz]	Verdict
IEEE 802.11a	Ant2	5745	18.06	5735.8092	5753.8711	---	---
		5785	18.06	5775.8092	5793.8711	---	---
		5825	18.02	5816.0090	5834.0310	---	---
IEEE 802.11n HT20	Ant2	5745	18.46	5735.5295	5753.9910	---	---
		5785	18.70	5775.6094	5794.3107	---	---
		5825	18.78	5815.6494	5834.4306	---	---
IEEE 802.11n HT40	Ant2	5755	36.68	5736.5385	5773.2218	---	---
		5795	36.92	5776.4585	5813.3816	---	---
IEEE 802.11ac VHT20	Ant2	5745	18.74	5735.5295	5754.2707	---	---
		5785	18.50	5775.6494	5794.1508	---	---
		5825	18.82	5815.4096	5834.2308	---	---
IEEE 802.11ac VHT40	Ant2	5755	36.68	5736.4585	5773.1419	---	---
		5795	36.84	5776.3786	5813.2218	---	---
IEEE 802.11ac VHT80	Ant2	5775	76.24	5736.6384	5812.8821	---	---

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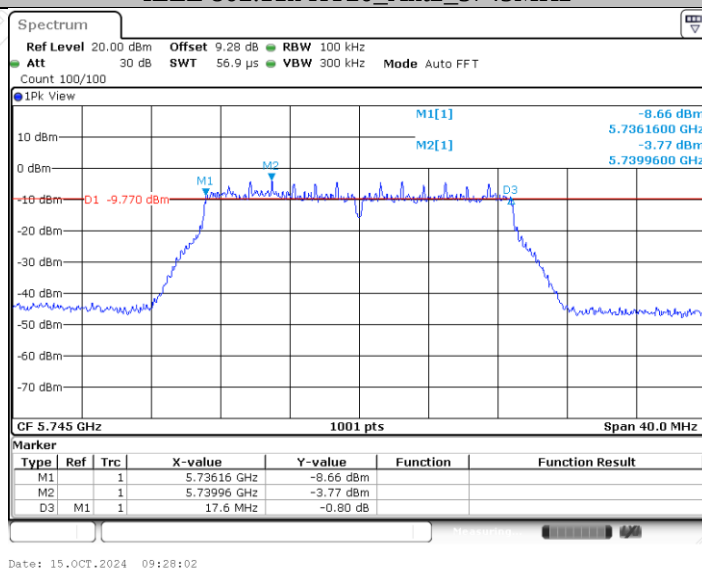
Test Graphs
6dB Bandwidth

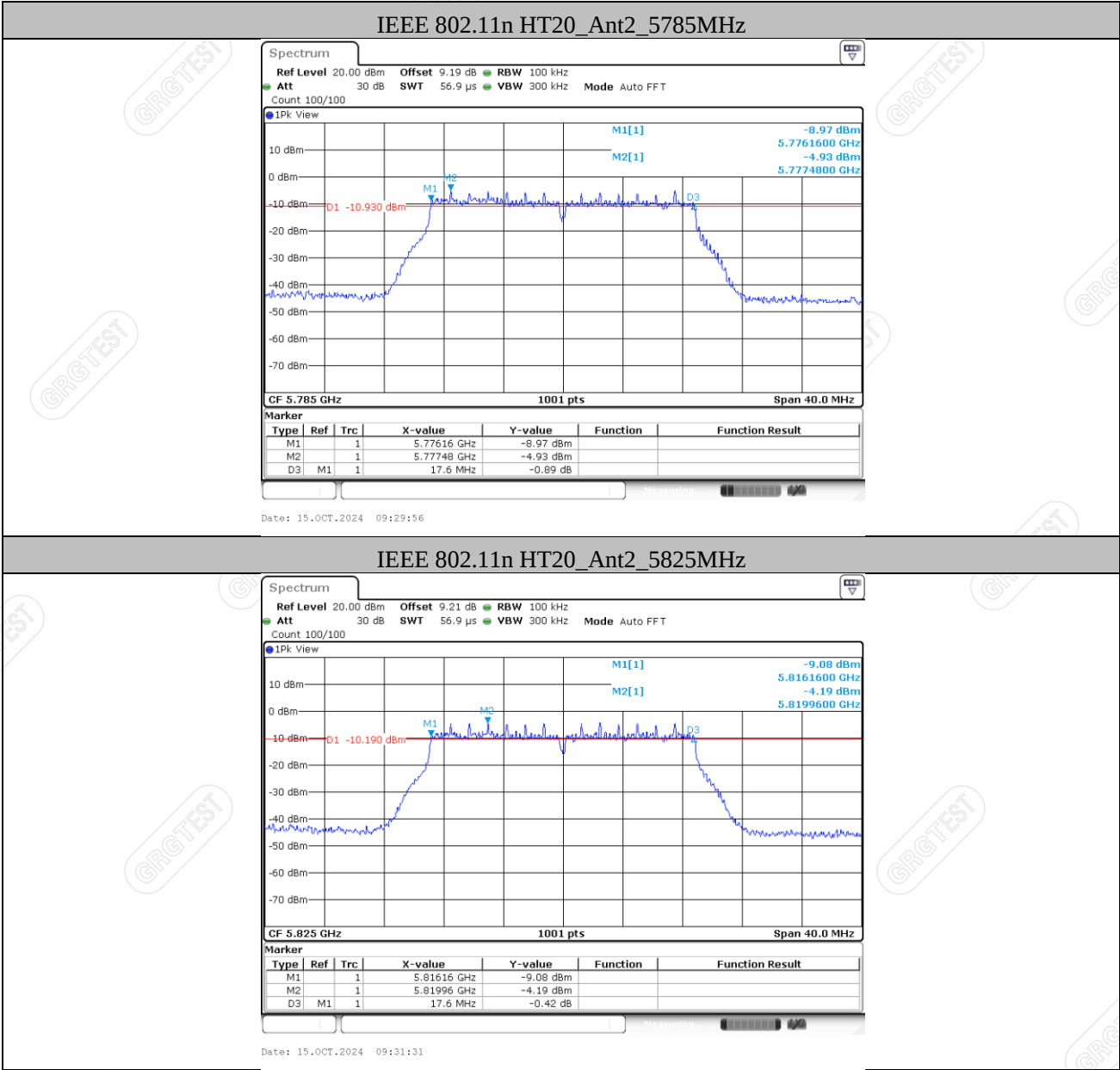


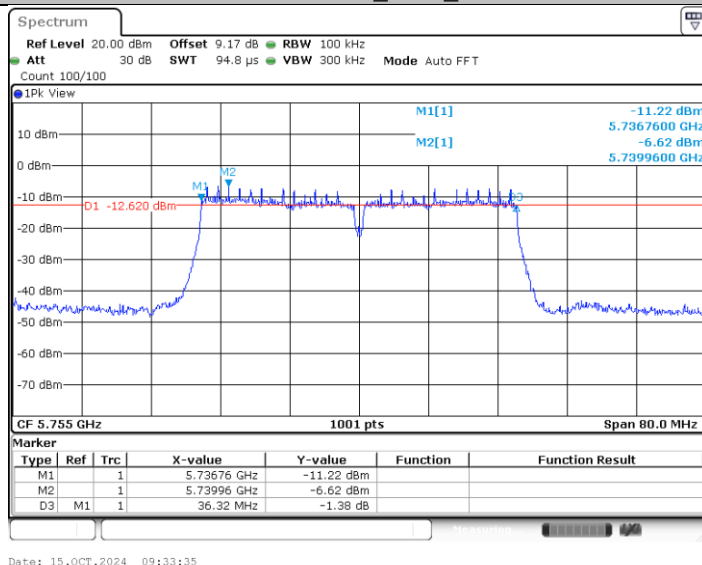
IEEE 802.11a_Ant2_5825MHz



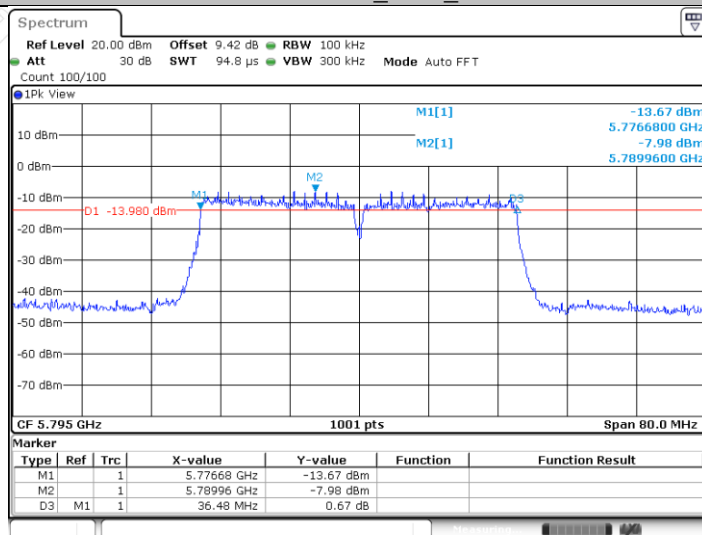
IEEE 802.11n HT20 Ant2 5745MHz



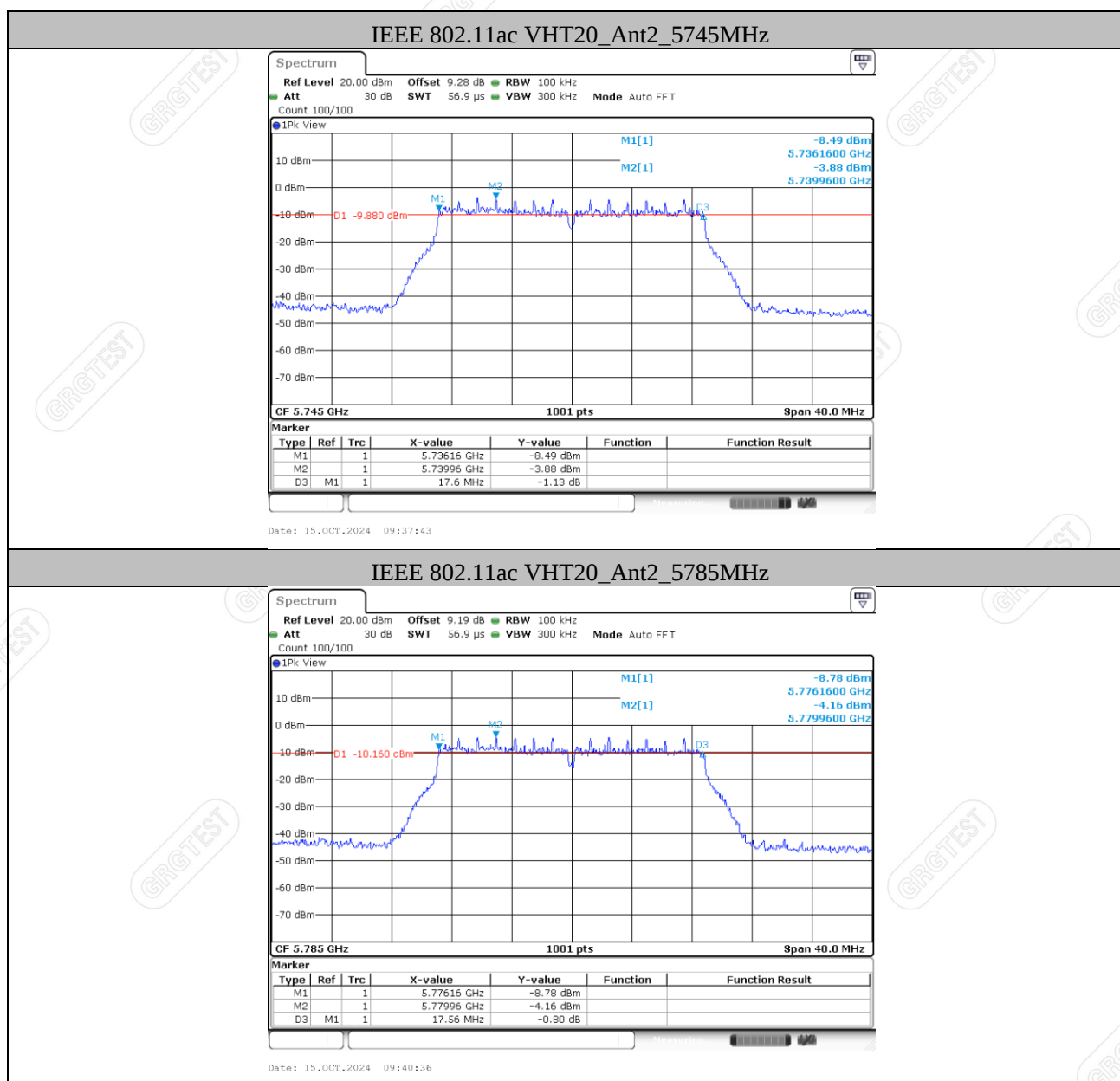


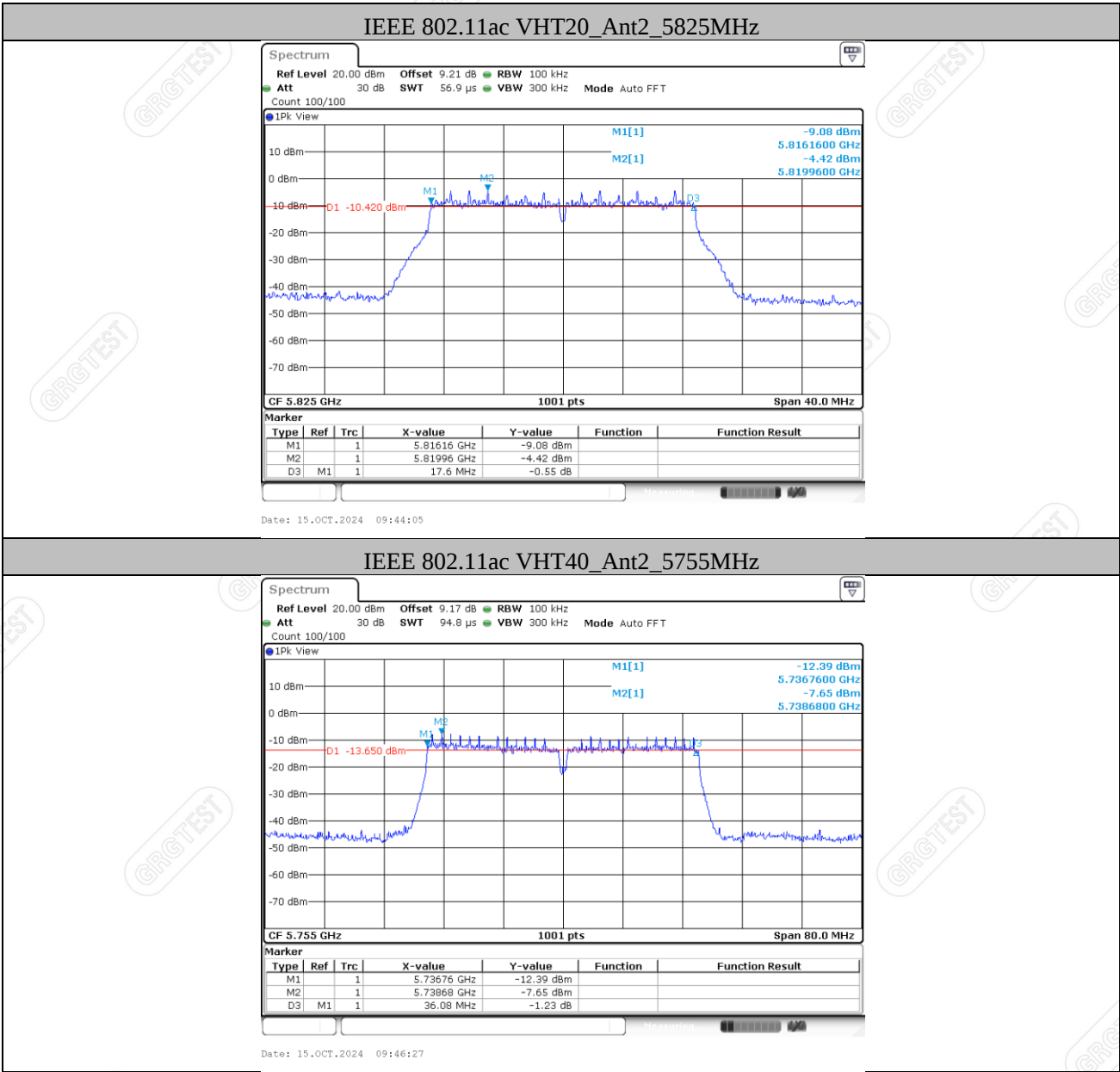


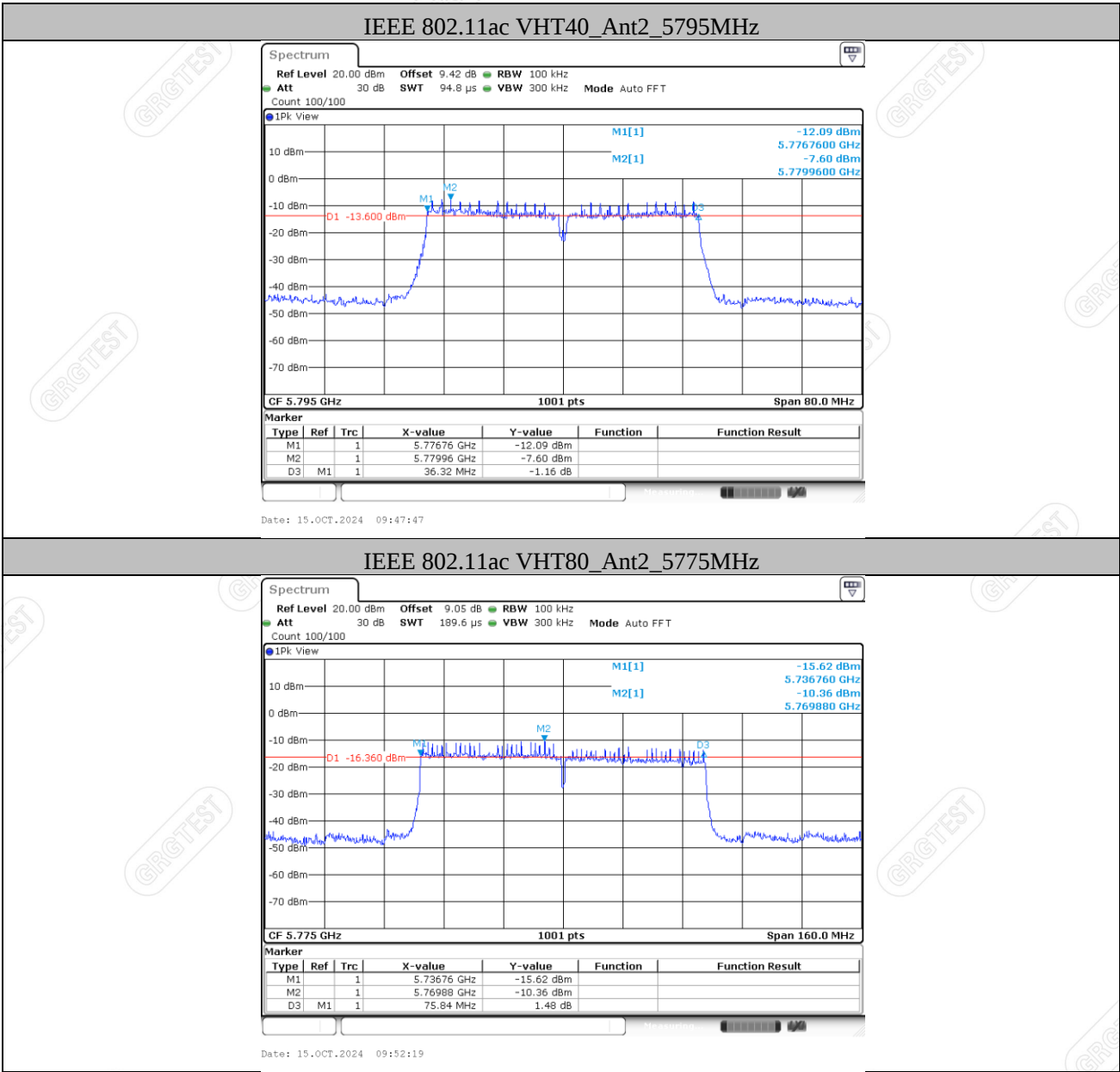
Date: 15.OCT.2024 09:33:35



Date: 15.OCT.2024 09:35:58



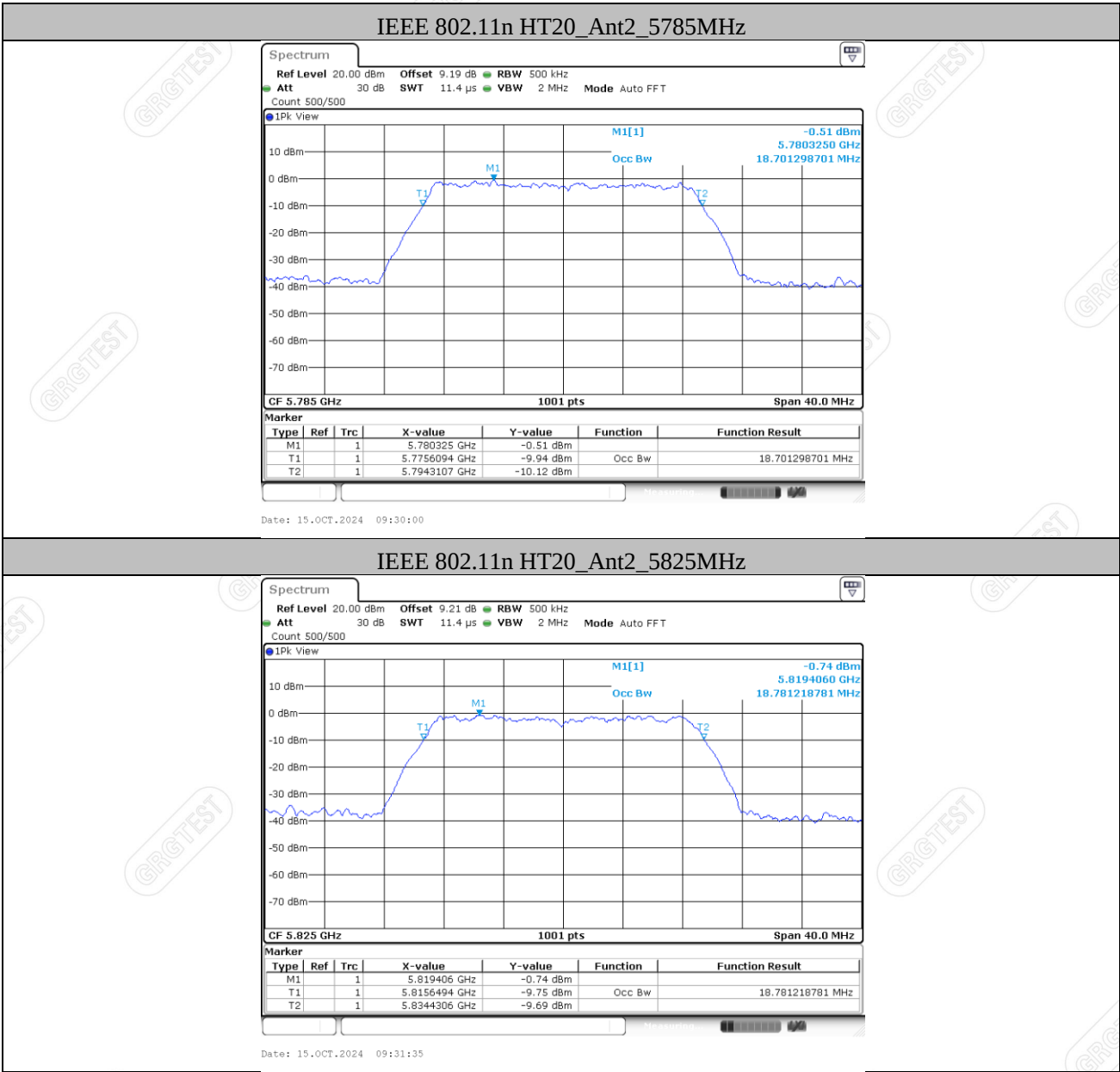


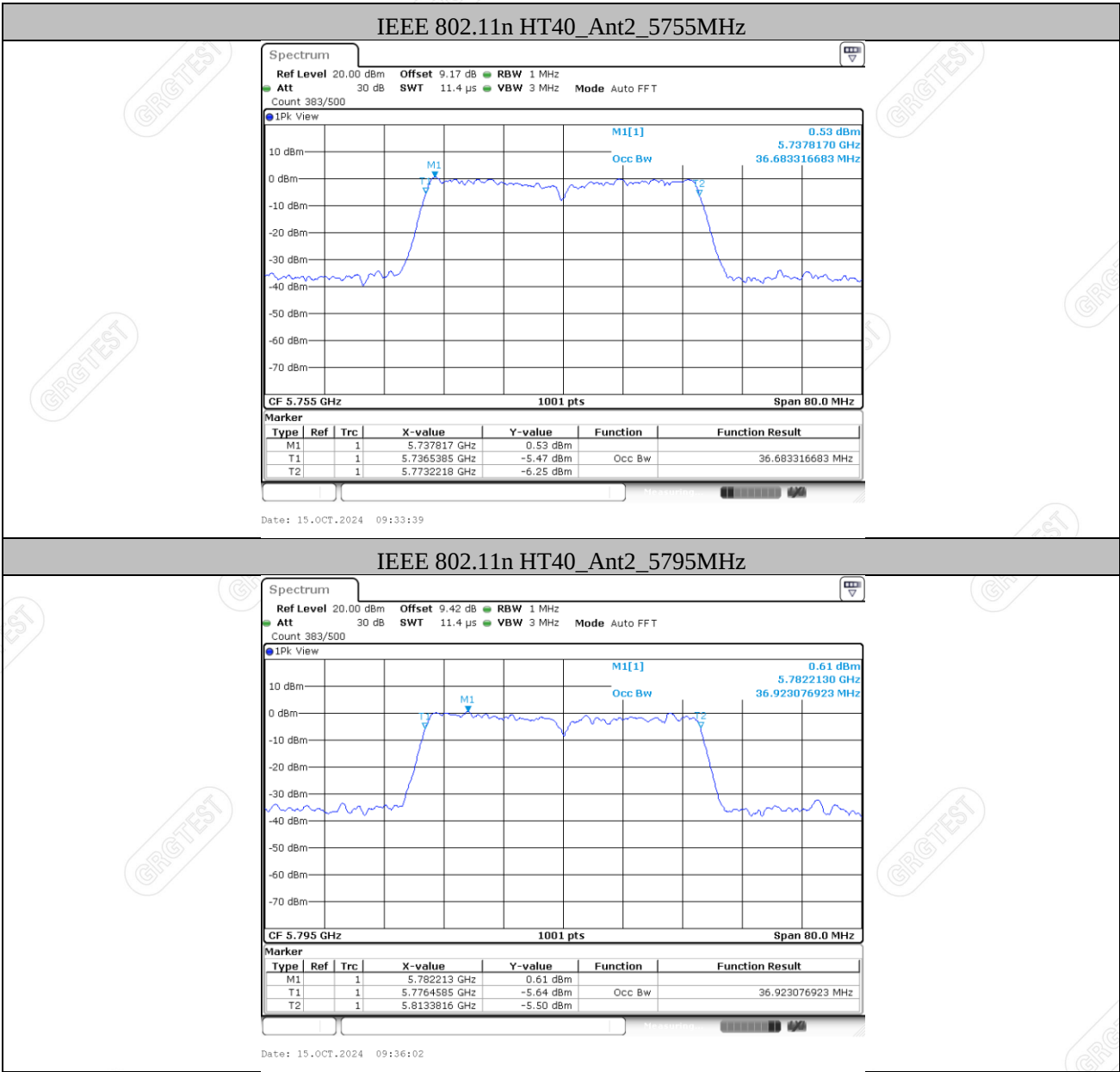


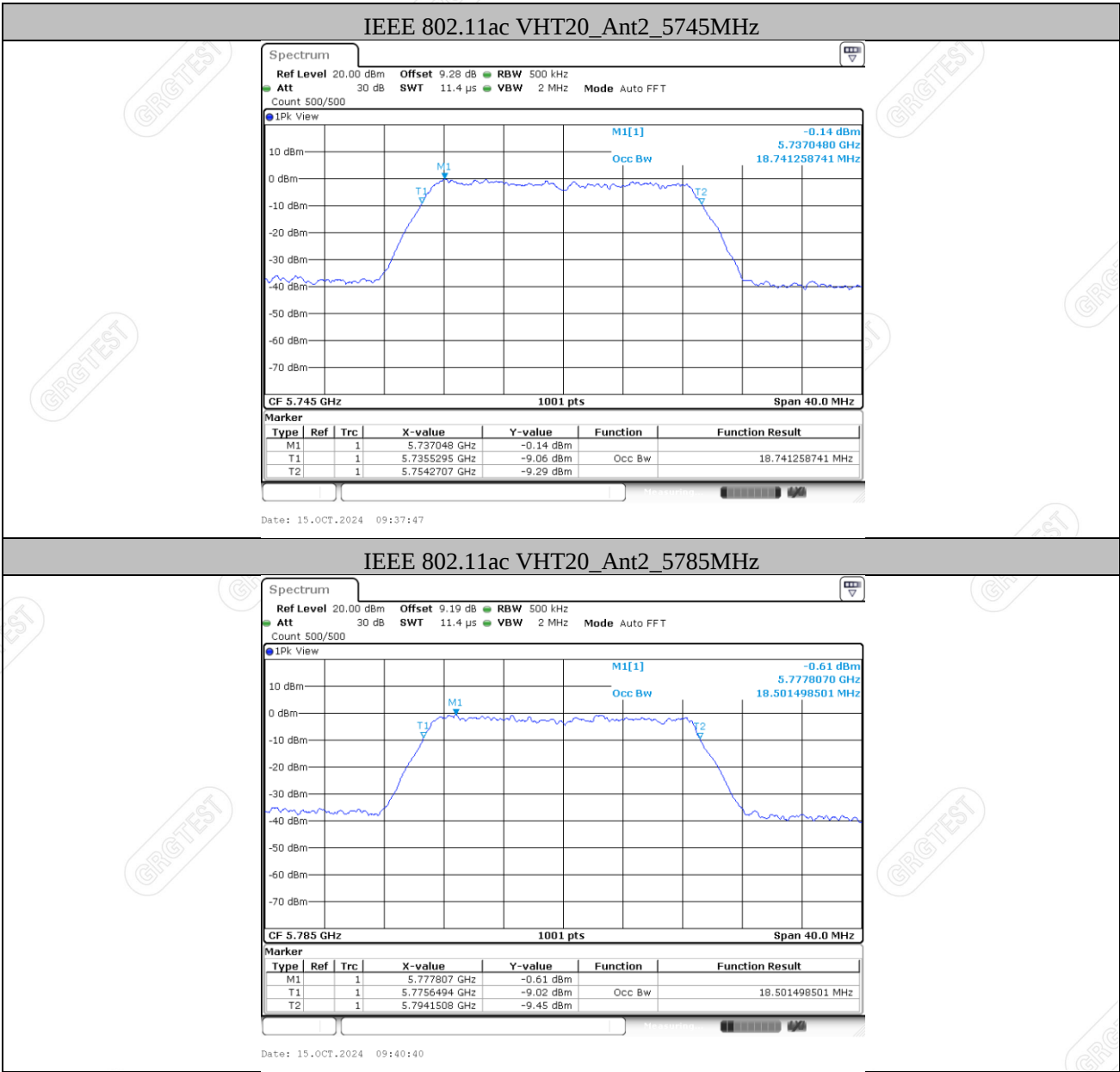
99% OCCUPIED BANDWIDTH

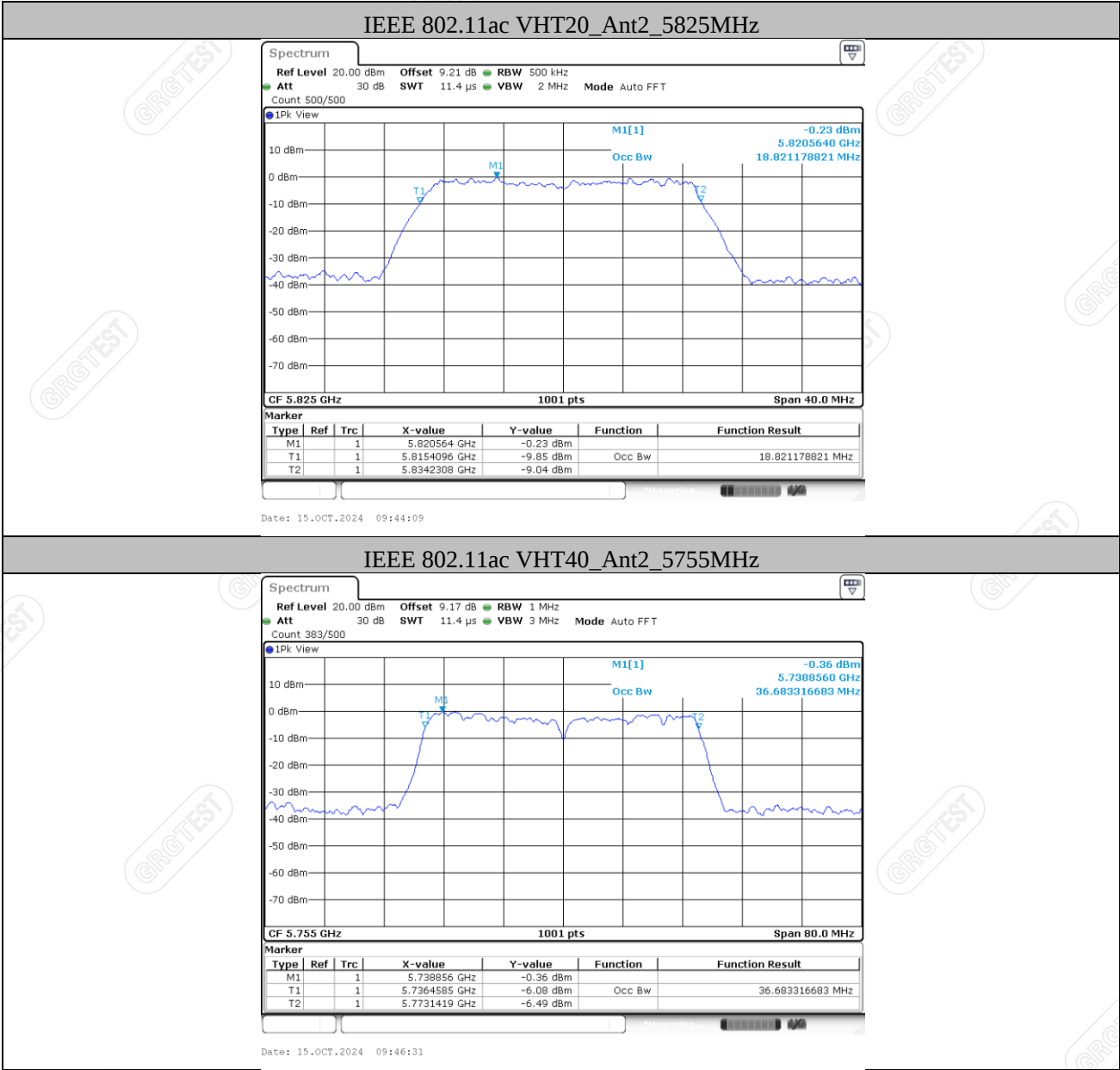


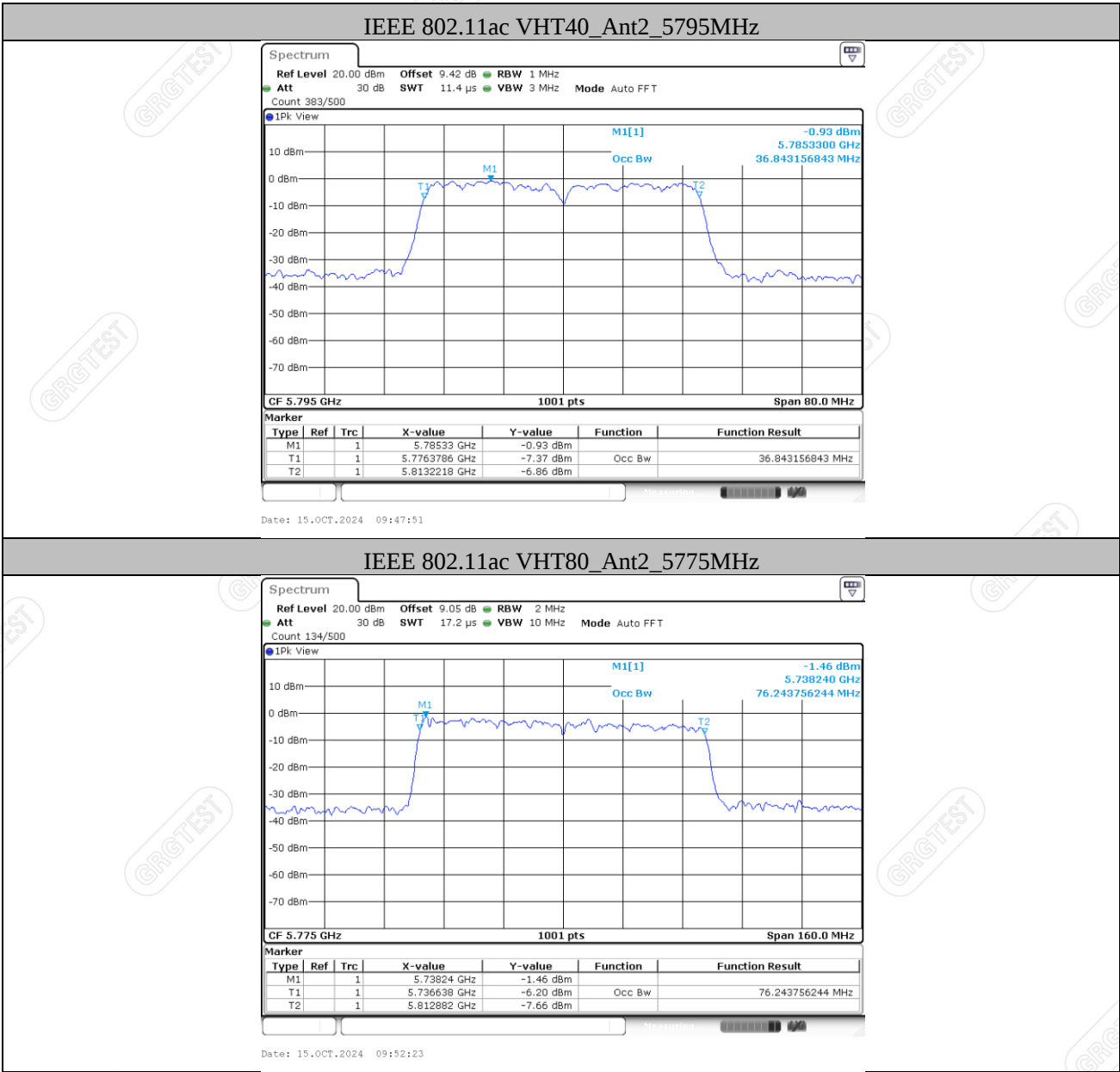












8. OUTPUT POWER

8.1 LIMITS

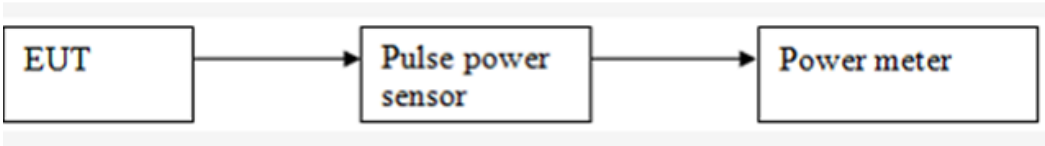
The FCC 15.407(a),The maximum conducted output power should not exceed:

Band	EUT Type	Limit
U-NII-3	All Device	1W(30dBm)

8.2 TEST PROCEDURES

- a) The RF output of EUT was connected to the broadband average RF power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- b) Set to the maximum power setting and enable the EUT transmit continuously.
- c) Measure the conducted output power and record the results in the test report.

8.3 TEST SETUP



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8.4 TEST RESULTS

Environment: 26.5℃/48% RH/101.0kPa
Tested By: Qin Tingting

Voltage:DC 13.2V
Date: 2024-10-25

U-NII-3:

Test Mode	Antenna	Frequency [MHz]	AVG Conducted Output Power with Duty Factor (dBm)	Limit [dBm]	Verdict
IEEE 802.11a	Ant2	5745	6.24	≤28.9	PASS
	Ant2	5785	6.13	≤28.9	PASS
	Ant2	5825	6.08	≤28.9	PASS
IEEE 802.11n HT20	Ant2	5745	5.24	≤28.9	PASS
	Ant2	5785	5.17	≤28.9	PASS
	Ant2	5825	4.87	≤28.9	PASS
IEEE 802.11n HT40	Ant2	5755	5.36	≤28.9	PASS
	Ant2	5795	5.28	≤28.9	PASS
IEEE 802.11ac VHT20	Ant2	5745	4.22	≤28.9	PASS
	Ant2	5785	4.05	≤28.9	PASS
	Ant2	5825	3.91	≤28.9	PASS
IEEE 802.11ac VHT40	Ant2	5755	4.46	≤28.9	PASS
		5795	4.41	≤28.9	PASS
IEEE 802.11ac VHT80	Ant2	5775	4.32	≤28.9	PASS

Note: 1. Result already includes duty factor, 5745MHz~5825MHz antenna gain is 7.1dBi.
2. According to §15.407(a), if transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. So the limit =30-(7.1-6) = 28.9dBm.

9. POWER SPECTRAL DENSITY

9.1 LIMITS

Section 15.407(a)

The maximum power spectral density should not exceed:

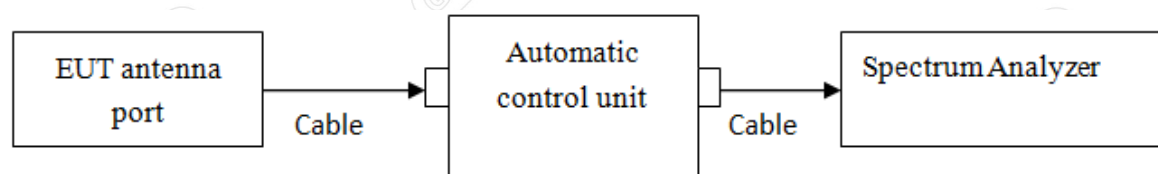
Band	EUT Type	Limit
U-NII-3	All Device	30dBm/500kHz

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

9.2 TEST PROCEDURES

Spectrum Parameters	Setting
RBW	500kHz(For U-NII-3)
VBW	2MHz(For U-NII-3)
Span	encompass the entire 26 dB EBW or 99% OBW of the signal
Sweep Time	Auto
Number of Sweep Point	$\geq 2 \times \text{SPAN/RBW}$
Detector	RMS(power averaging)
Trace Average	≥ 100 traces

9.3 TEST SETUP



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9.4 TEST RESULTS

Environment: 26.5°C/48%RH 101.0kPa

Tested By: Qin Tingting

Voltage:DC 13.2V

Date: 2024-10-25

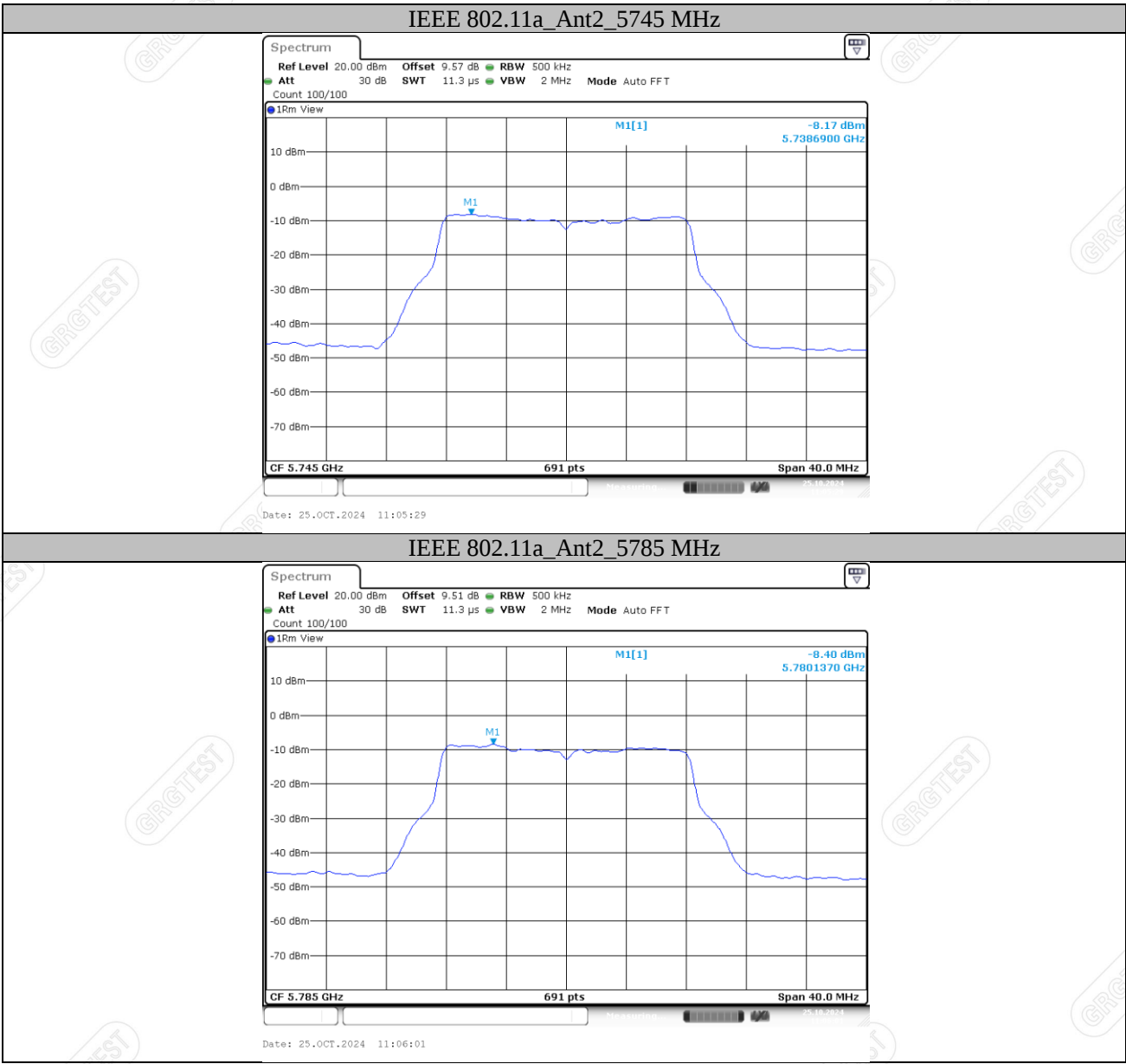
U-NII-3:

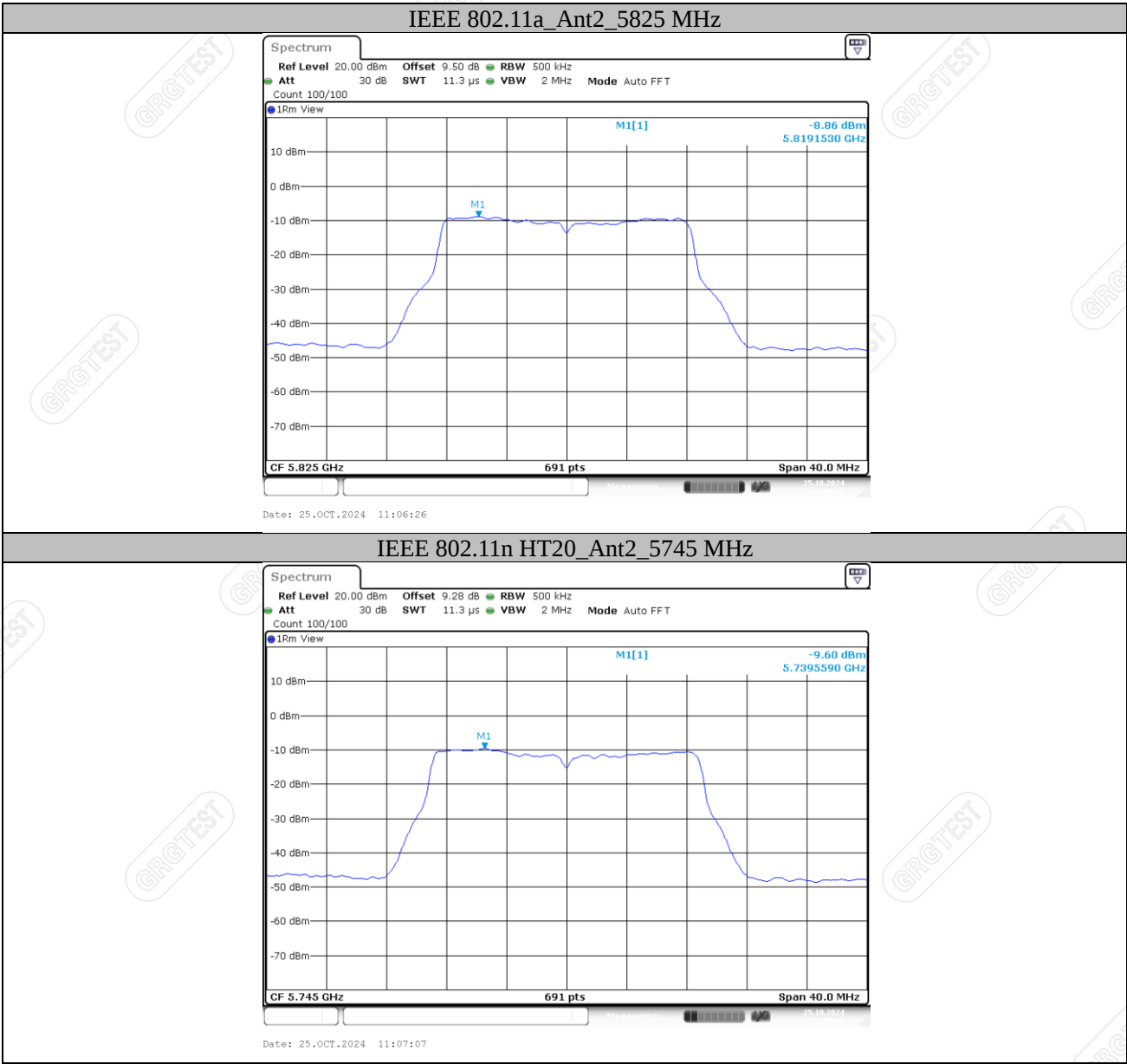
Test Mode	Antenna	Frequency [MHz]	Result [dBm/500kHz]	Limit [dBm/500kHz]	Verdict
IEEE 802.11a	Ant2	5745	-8.17	≤28.9	PASS
	Ant2	5785	-8.40	≤28.9	PASS
	Ant2	5825	-8.86	≤28.9	PASS
IEEE 802.11n HT20	Ant2	5745	-9.60	≤28.9	PASS
	Ant2	5785	-9.88	≤28.9	PASS
	Ant2	5825	-10.03	≤28.9	PASS
IEEE 802.11n HT40	Ant2	5755	-13.16	≤28.9	PASS
	Ant2	5795	-12.34	≤28.9	PASS
IEEE 802.11ac VHT20	Ant2	5745	-10.67	≤28.9	PASS
	Ant2	5785	-11.02	≤28.9	PASS
	Ant2	5825	-11.40	≤28.9	PASS
IEEE 802.11ac VHT40	Ant2	5755	-13.71	≤28.9	PASS
	Ant2	5795	-13.26	≤28.9	PASS
IEEE 802.11ac VHT80	Ant2	5775	-16.55	≤28.9	PASS

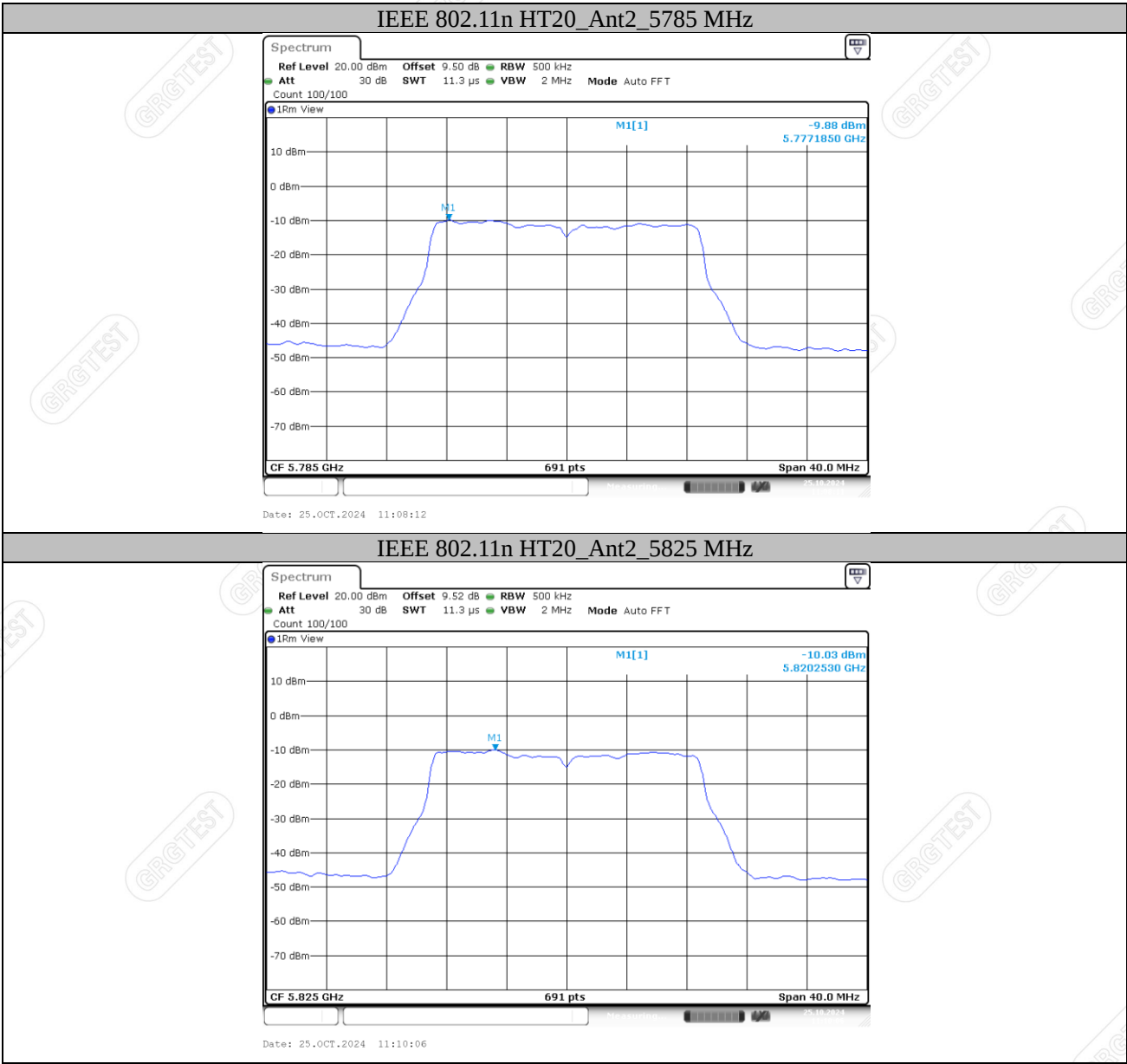
Note: 1. Result already includes duty factor, 5745MHz~5825MHz antenna gain is 7.1dBi.

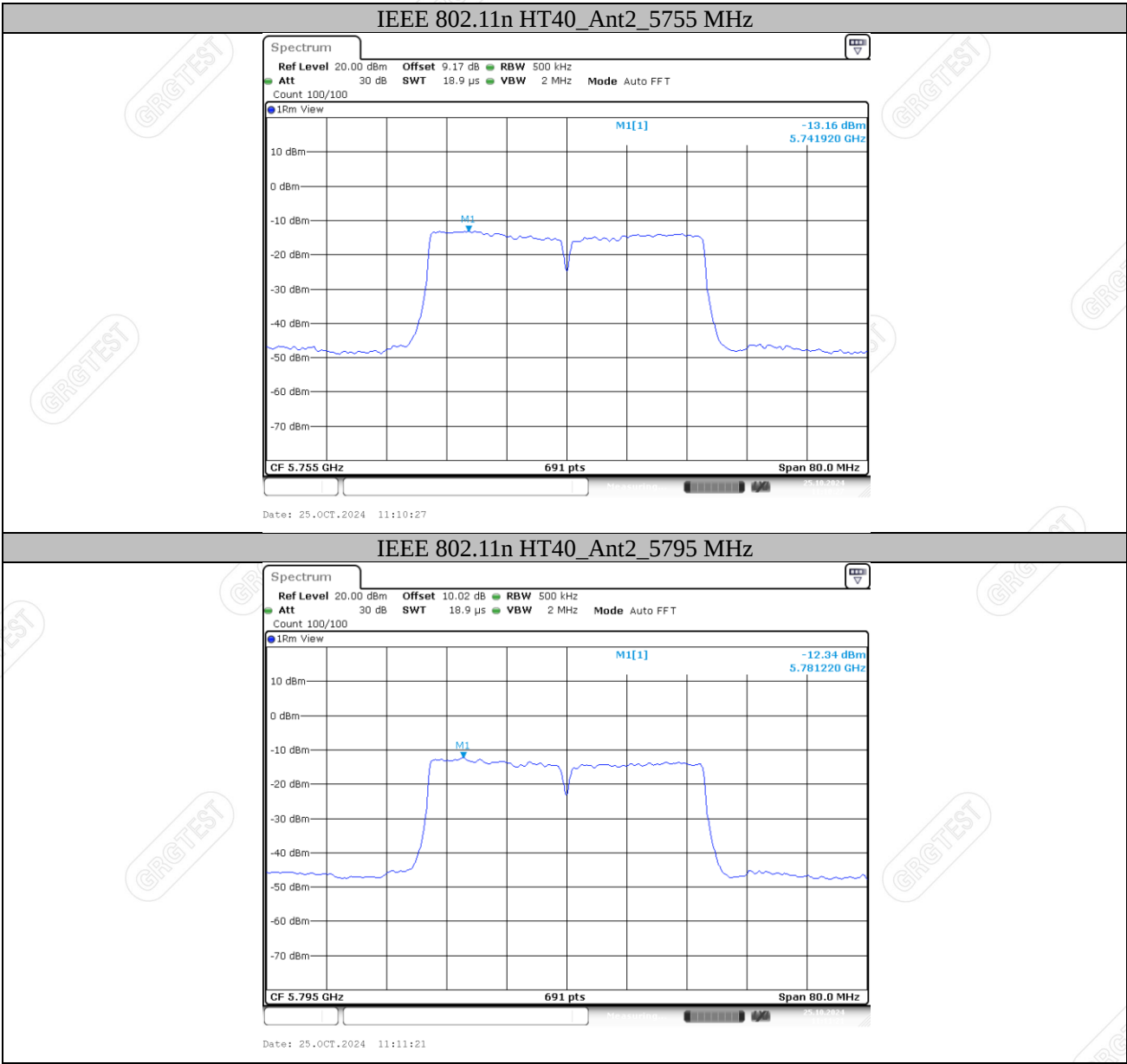
2. According to §15.407(a), if transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. So the limit =30-(7.1-6) = 28.9 dBm/500kHz.

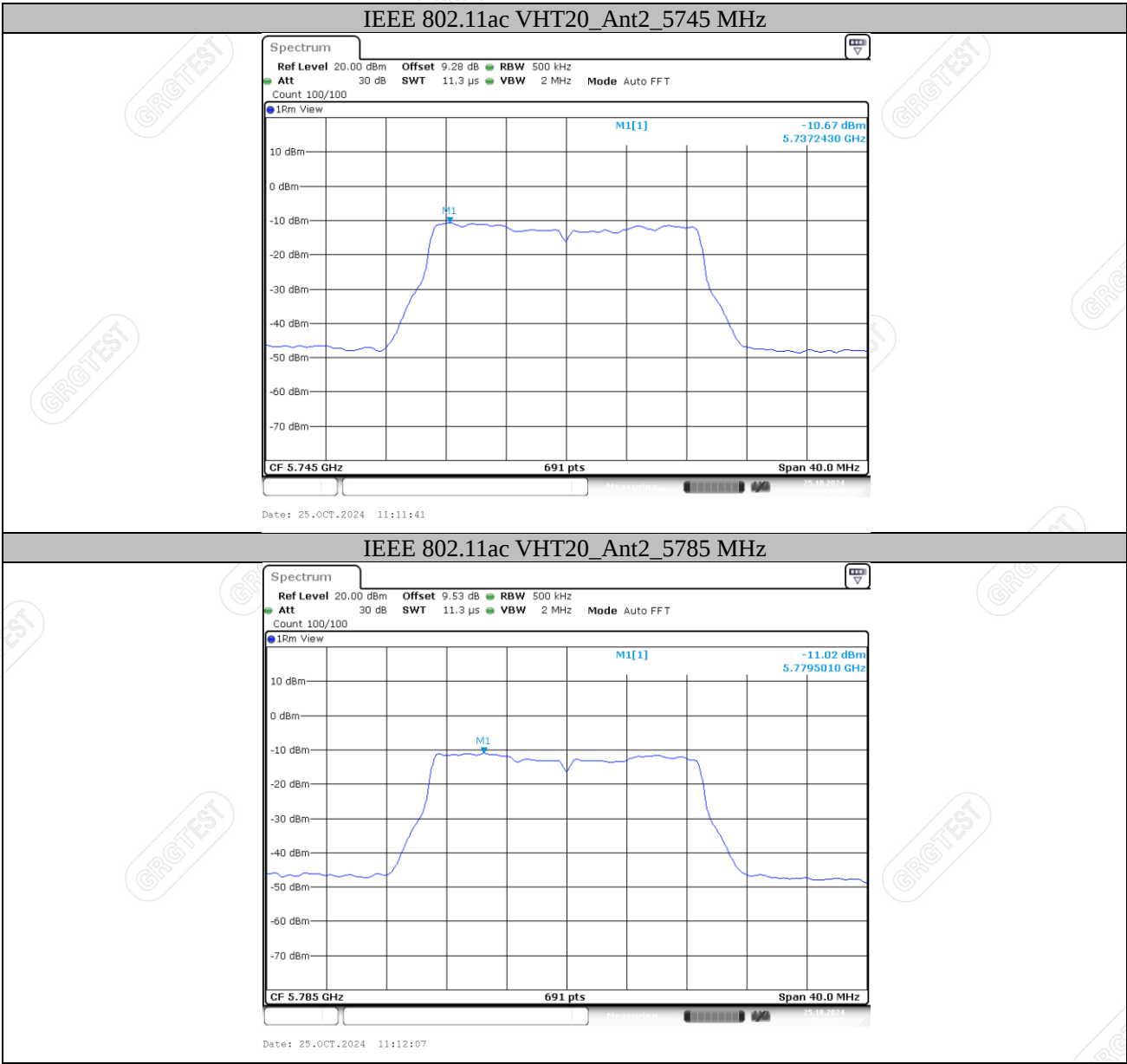
Test Graphs

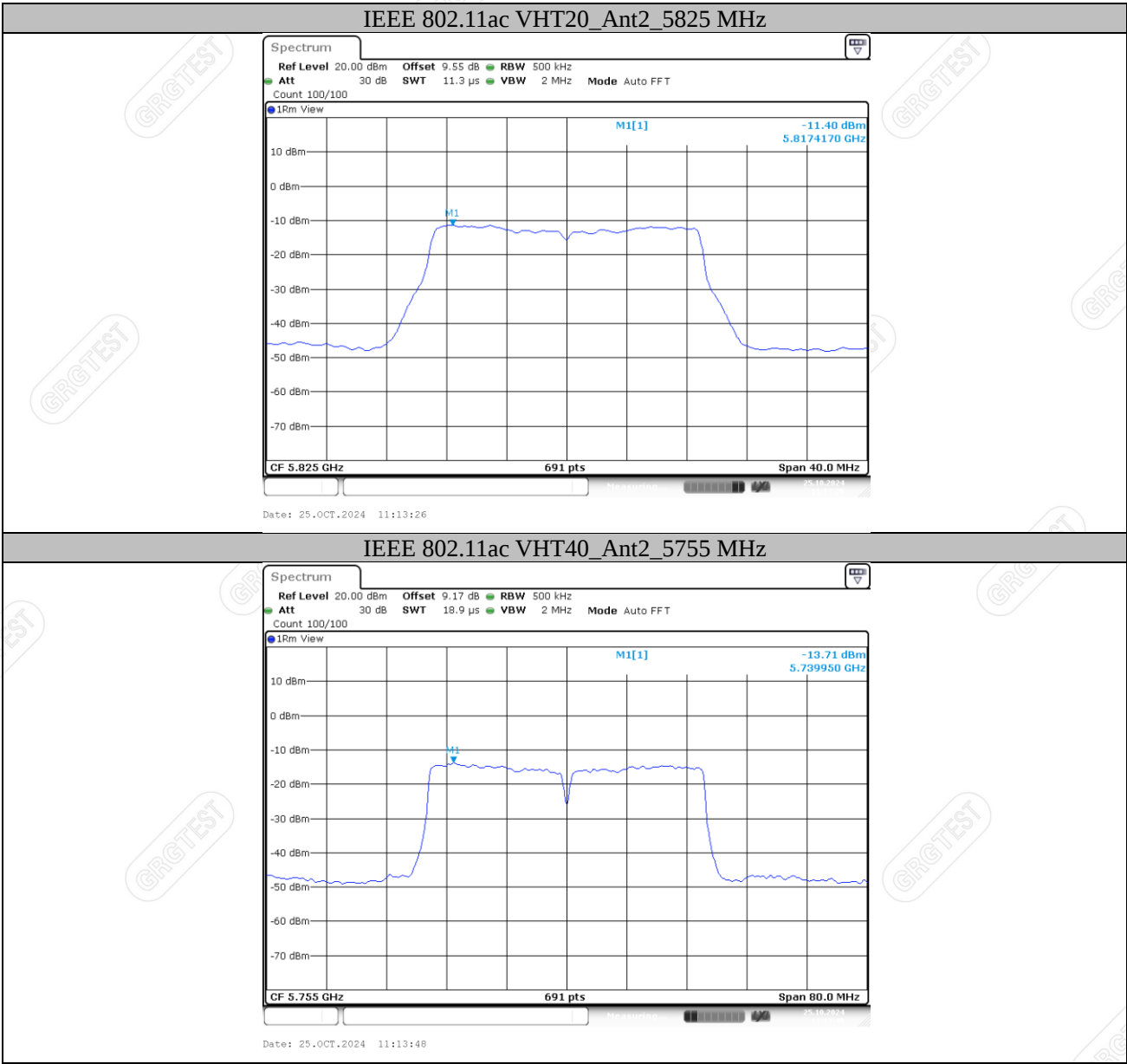


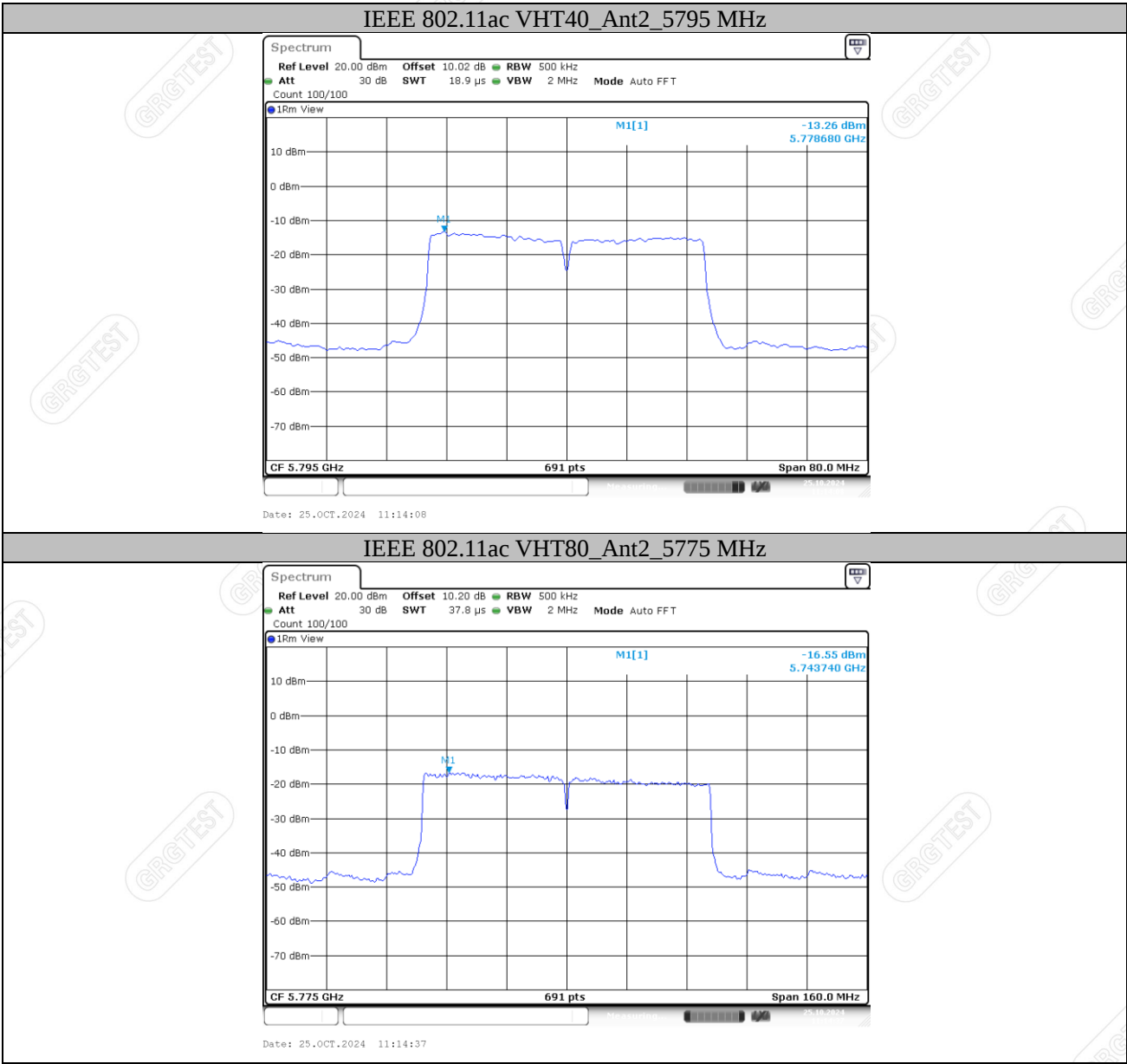












10. FREQUENCY STABILITY

10.1 LIMITS

According to §15.407(g), manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

10.2 TEST PROCEDURES

(1) Frequency stability with respect to ambient temperature

- a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in §ANSI C63.10-2020(5.6).
- b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.

NOTE—An instrument that has an adequate level of accuracy as specified by the procuring or regulatory agency is the recommended measuring instrument.

- c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.
- e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.
- f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.
- g) Measure the frequency at each of frequencies specified in §ANSI C63.10-2020(5.6).
- h) Switch OFF the EUT but do not switch OFF the oscillator heater.
- i) Lower the chamber temperature by not more than 10°C, and allow the temperature inside the chamber to stabilize.
- j) Repeat step f) through step i) down to the lowest specified temperature.

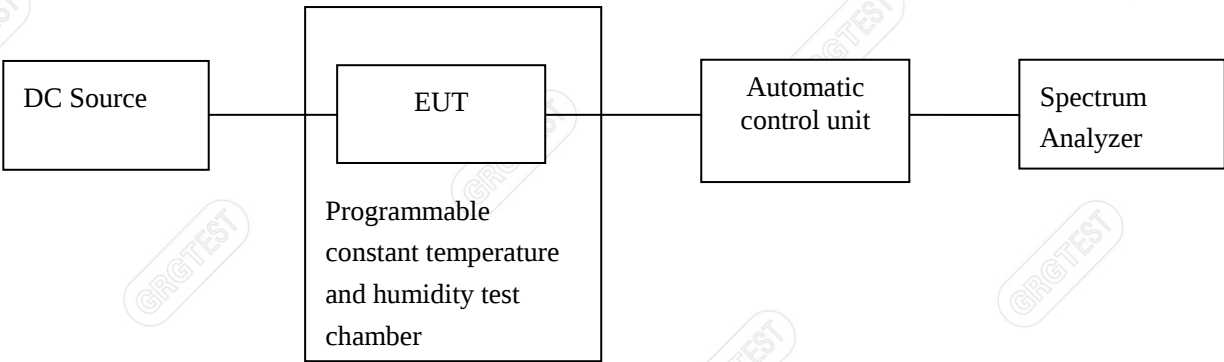
(2) Frequency stability when varying supply voltage

- a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.

NOTE—An instrument that has an adequate level of accuracy as specified by the procuring or regulatory agency is the recommended measuring instrument.

- b) Tune the EUT to one of the number of frequencies required in §ANSI C63.10-2020(5.6). Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- c) Measure the frequency at each of the frequencies specified in §ANSI C63.10-2020(5.6).
- d) Repeat the above procedure at 85% and 115% of the nominal supply voltage as described in §ANSI C63.10-2020(5.13).

10.3 TEST SETUP



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10.4 TEST RESULTS

Environment: 25.1°C/49%RH 101.0kPa
Tested By: Qin Tingting

Voltage:DC 13.2V
Date: 2024-10-18

Voltage								
Test Mode	Antenna	Freq (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
IEEE 802.11a	Ant2	5745	NV	NT	-32000.00	-5.570061	20	PASS
			LV	NT	-37000.00	-6.440383	20	PASS
			HV	NT	-38000.00	-6.614447	20	PASS
		5785	NV	NT	-38000.00	-6.568712	20	PASS
			LV	NT	-43000.00	-7.433016	20	PASS
			HV	NT	-43000.00	-7.433016	20	PASS
		5825	NV	NT	-44000.00	-7.553648	20	PASS
			LV	NT	-43000.00	-7.381974	20	PASS
			HV	NT	-42000.00	-7.210300	20	PASS
IEEE 802.11n HT20	Ant2	5745	NV	NT	-41000.00	-7.136641	20	PASS
			LV	NT	-39000.00	-6.788512	20	PASS
			HV	NT	-40000.00	-6.962576	20	PASS
		5785	NV	NT	-42000.00	-7.260156	20	PASS
			LV	NT	-44000.00	-7.605877	20	PASS
			HV	NT	-43000.00	-7.433016	20	PASS
		5825	NV	NT	-43000.00	-7.381974	20	PASS
			LV	NT	-44000.00	-7.553648	20	PASS
			HV	NT	-43000.00	-7.381974	20	PASS
IEEE 802.11n HT40	Ant2	5755	NV	NT	-44000.00	-7.645526	20	PASS
			LV	NT	-43000.00	-7.471764	20	PASS
			HV	NT	-44000.00	-7.645526	20	PASS
		5795	NV	NT	-45000.00	-7.765315	20	PASS
			LV	NT	-44000.00	-7.592752	20	PASS
			HV	NT	-43000.00	-7.420190	20	PASS
IEEE 802.11ac VHT20	Ant2	5745	NV	NT	-42000.00	-7.310705	20	PASS
			LV	NT	-41000.00	-7.136641	20	PASS
			HV	NT	-43000.00	-7.484769	20	PASS
		5785	NV	NT	-44000.00	-7.605877	20	PASS
			LV	NT	-42000.00	-7.260156	20	PASS
			HV	NT	-45000.00	-7.778738	20	PASS
		5825	NV	NT	-44000.00	-7.553648	20	PASS
			LV	NT	-45000.00	-7.725322	20	PASS
			HV	NT	-43000.00	-7.381974	20	PASS
IEEE 802.11ac VHT40	Ant2	5755	NV	NT	-44000.00	-7.645526	20	PASS
			LV	NT	-43000.00	-7.471764	20	PASS
			HV	NT	-44000.00	-7.645526	20	PASS
		5795	NV	NT	-44000.00	-7.592752	20	PASS
			LV	NT	-43000.00	-7.420190	20	PASS
			HV	NT	-46000.00	-7.937877	20	PASS
IEEE 802.11ac VHT80	Ant2	5775	NV	NT	-42000.00	-7.272727	20	PASS
			LV	NT	-43000.00	-7.445887	20	PASS
			HV	NT	-42000.00	-7.272727	20	PASS

Temperature								
Test Mode	Antenna	Freq (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
IEEE 802.11a	Ant2	5745	NV	-30	-37000.00	-6.440383	20	PASS
			NV	-20	-38000.00	-6.614447	20	PASS
			NV	-10	-39000.00	-6.788512	20	PASS
			NV	0	-38000.00	-6.614447	20	PASS
			NV	10	-40000.00	-6.962576	20	PASS
			NV	20	-39000.00	-6.788512	20	PASS
			NV	30	-42000.00	-7.310705	20	PASS
			NV	40	-40000.00	-6.962576	20	PASS
			NV	50	-39000.00	-6.788512	20	PASS
		5785	NV	-30	-44000.00	-7.605877	20	PASS
			NV	-20	-43000.00	-7.433016	20	PASS
			NV	-10	-44000.00	-7.605877	20	PASS
			NV	0	-43000.00	-7.433016	20	PASS
			NV	10	-43000.00	-7.433016	20	PASS
			NV	20	-42000.00	-7.260156	20	PASS
			NV	30	-45000.00	-7.778738	20	PASS
			NV	40	-45000.00	-7.778738	20	PASS
			NV	50	-43000.00	-7.433016	20	PASS
		5825	NV	-30	-42000.00	-7.210300	20	PASS
			NV	-20	-45000.00	-7.725322	20	PASS
			NV	-10	-44000.00	-7.553648	20	PASS
			NV	0	-44000.00	-7.553648	20	PASS
			NV	10	-44000.00	-7.553648	20	PASS
			NV	20	-45000.00	-7.725322	20	PASS
			NV	30	-43000.00	-7.381974	20	PASS
			NV	40	-44000.00	-7.553648	20	PASS
			NV	50	-44000.00	-7.553648	20	PASS
IEEE 802.11n HT20	Ant2	5745	NV	-30	-38000.00	-6.614447	20	PASS
			NV	-20	-41000.00	-7.136641	20	PASS
			NV	-10	-42000.00	-7.310705	20	PASS
			NV	0	-42000.00	-7.310705	20	PASS
			NV	10	-40000.00	-6.962576	20	PASS
			NV	20	-41000.00	-7.136641	20	PASS
			NV	30	-41000.00	-7.136641	20	PASS
			NV	40	-41000.00	-7.136641	20	PASS
			NV	50	-42000.00	-7.310705	20	PASS
		5785	NV	-30	-43000.00	-7.433016	20	PASS
			NV	-20	-42000.00	-7.260156	20	PASS
			NV	-10	-45000.00	-7.778738	20	PASS
			NV	0	-44000.00	-7.605877	20	PASS
			NV	10	-43000.00	-7.433016	20	PASS
			NV	20	-42000.00	-7.260156	20	PASS
			NV	30	-44000.00	-7.605877	20	PASS
			NV	40	-43000.00	-7.433016	20	PASS
			NV	50	-43000.00	-7.433016	20	PASS
		5825	NV	-30	-44000.00	-7.553648	20	PASS
			NV	-20	-43000.00	-7.381974	20	PASS
			NV	-10	-43000.00	-7.381974	20	PASS
			NV	0	-44000.00	-7.553648	20	PASS

			NV	10	-44000.00	-7.553648	20	PASS
			NV	20	-43000.00	-7.381974	20	PASS
			NV	30	-45000.00	-7.725322	20	PASS
			NV	40	-43000.00	-7.381974	20	PASS
			NV	50	-43000.00	-7.381974	20	PASS
IEEE 802.11n HT40	Ant2	5755	NV	-30	-43000.00	-7.471764	20	PASS
			NV	-20	-43000.00	-7.471764	20	PASS
			NV	-10	-44000.00	-7.645526	20	PASS
			NV	0	-42000.00	-7.298002	20	PASS
			NV	10	-45000.00	-7.819288	20	PASS
			NV	20	-43000.00	-7.471764	20	PASS
			NV	30	-40000.00	-6.950478	20	PASS
			NV	40	-43000.00	-7.471764	20	PASS
			NV	50	-43000.00	-7.471764	20	PASS
		5795	NV	-30	-43000.00	-7.420190	20	PASS
			NV	-20	-43000.00	-7.420190	20	PASS
			NV	-10	-43000.00	-7.420190	20	PASS
			NV	0	-45000.00	-7.765315	20	PASS
			NV	10	-44000.00	-7.592752	20	PASS
			NV	20	-44000.00	-7.592752	20	PASS
			NV	30	-45000.00	-7.765315	20	PASS
			NV	40	-45000.00	-7.765315	20	PASS
			NV	50	-42000.00	-7.247627	20	PASS
IEEE 802.11ac VHT20	Ant2	5745	NV	-30	-41000.00	-7.136641	20	PASS
			NV	-20	-41000.00	-7.136641	20	PASS
			NV	-10	-42000.00	-7.310705	20	PASS
			NV	0	-43000.00	-7.484769	20	PASS
			NV	10	-44000.00	-7.658834	20	PASS
			NV	20	-43000.00	-7.484769	20	PASS
			NV	30	-40000.00	-6.962576	20	PASS
			NV	40	-43000.00	-7.484769	20	PASS
			NV	50	-43000.00	-7.484769	20	PASS
		5785	NV	-30	-46000.00	-7.951599	20	PASS
			NV	-20	-44000.00	-7.605877	20	PASS
			NV	-10	-41000.00	-7.087295	20	PASS
			NV	0	-44000.00	-7.605877	20	PASS
			NV	10	-44000.00	-7.605877	20	PASS
			NV	20	-42000.00	-7.260156	20	PASS
			NV	30	-44000.00	-7.605877	20	PASS
			NV	40	-43000.00	-7.433016	20	PASS
			NV	50	-42000.00	-7.260156	20	PASS
		5825	NV	-30	-44000.00	-7.553648	20	PASS
			NV	-20	-44000.00	-7.553648	20	PASS
			NV	-10	-44000.00	-7.553648	20	PASS
			NV	0	-45000.00	-7.725322	20	PASS
			NV	10	-44000.00	-7.553648	20	PASS
			NV	20	-44000.00	-7.553648	20	PASS
			NV	30	-44000.00	-7.553648	20	PASS
			NV	40	-42000.00	-7.210300	20	PASS
			NV	50	-44000.00	-7.553648	20	PASS
IEEE 802.11ac VHT40	Ant2	5755	NV	-30	-42000.00	-7.298002	20	PASS
			NV	-20	-41000.00	-7.124240	20	PASS
			NV	-10	-45000.00	-7.819288	20	PASS
			NV	0	-46000.00	-7.993050	20	PASS

			NV	10	-44000.00	-7.645526	20	PASS
			NV	20	-45000.00	-7.819288	20	PASS
			NV	30	-44000.00	-7.645526	20	PASS
			NV	40	-44000.00	-7.645526	20	PASS
			NV	50	-43000.00	-7.471764	20	PASS
		5795	NV	-30	-46000.00	-7.937877	20	PASS
			NV	-20	-44000.00	-7.592752	20	PASS
			NV	-10	-45000.00	-7.765315	20	PASS
			NV	0	-42000.00	-7.247627	20	PASS
			NV	10	-44000.00	-7.592752	20	PASS
			NV	20	-45000.00	-7.765315	20	PASS
			NV	30	-44000.00	-7.592752	20	PASS
			NV	40	-44000.00	-7.592752	20	PASS
			NV	50	-45000.00	-7.765315	20	PASS
			NV	-30	-42000.00	-7.272727	20	PASS
			NV	-20	-42000.00	-7.272727	20	PASS
			NV	-10	-42000.00	-7.272727	20	PASS
			NV	0	-43000.00	-7.445887	20	PASS
			NV	10	-45000.00	-7.792208	20	PASS
IEEE 802.11ac VHT80	Ant2	5775	NV	20	-42000.00	-7.272727	20	PASS
			NV	30	-42000.00	-7.272727	20	PASS
			NV	40	-42000.00	-7.272727	20	PASS
			NV	50	-42000.00	-7.272727	20	PASS

Note: 1.This report records the worst case of temperature change test observation time 0/2/5/10min .
2.Test Voltage-NV:DC 13.2V, Test Voltage-LV:DC 11.22V, Test Voltage-HV:DC 15.18V.
3.Test Temperature Range:-30℃~50℃, Temperature-NT: 25.1℃.

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APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM

Please refer to the attached document E20240822625802-Test Photo.

APPENDIX B. PHOTOGRAPH OF THE EUT

Please refer to the attached document E20240822625802-EUT photo.

----- End of Report -----