RF MEASUREMENT REPORT

FCC ID	:	**2BCGWBE25OD**
Applicant	:	**TP-LINK CORPORATION PTE. LTD.**
Application Type	:	**Certification**
Product	:	**BE5000 Outdoor/Indoor Mesh Wi-Fi 7 Router**
Model No.	:	**Deco BE25-Outdoor**
Brand Name	:	**tp-link**
FCC Classification	:	**Unlicensed National Information Infrastructure (NII)**
FCC Rule Part(s)	:	**Part15 Subpart E (Section 15.407)**
Received Date	:	**June 3, 2024**
Test Date	:	**July 3, 2024 ~ August 14, 2024**

Test By : Owen Tsai
(Owen Tsai)

Reviewed By : Paddy Chen
(Paddy Chen)

Approved By : Chenz Ker
(Chenz Ker)

Testing Laboratory
3261

The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 789033 D02v02r01. Test results reported herein relate only to the item(s) tested.

Revision History

Report No.	Version	Description	Issue Date	Note
2406TW0101-U3	1.0	Original Report	2024-08-30	Valid

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Description Page

General Information

Applicant	TP-LINK CORPORATION PTE. LTD.
Applicant Address	7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987
Manufacturer	TP-LINK CORPORATION PTE. LTD.
Manufacturer Address	7 Temasek Boulevard #29-03 Suntec Tower One, Singapore 038987
Test Site	MRT Technology (Taiwan) Co., Ltd
Test Site Address	No. 38, Fuxing Second Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C)
MRT FCC Registration No.	291082
FCC Rule Part(s)	Part 15.407

Test Facility / Accreditations

1. MRT facility is a FCC registered (Reg. No. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Firm.
2. MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada.
3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC (Designation Number: TW3261), Industry Canada, EU and TELEC Rules.

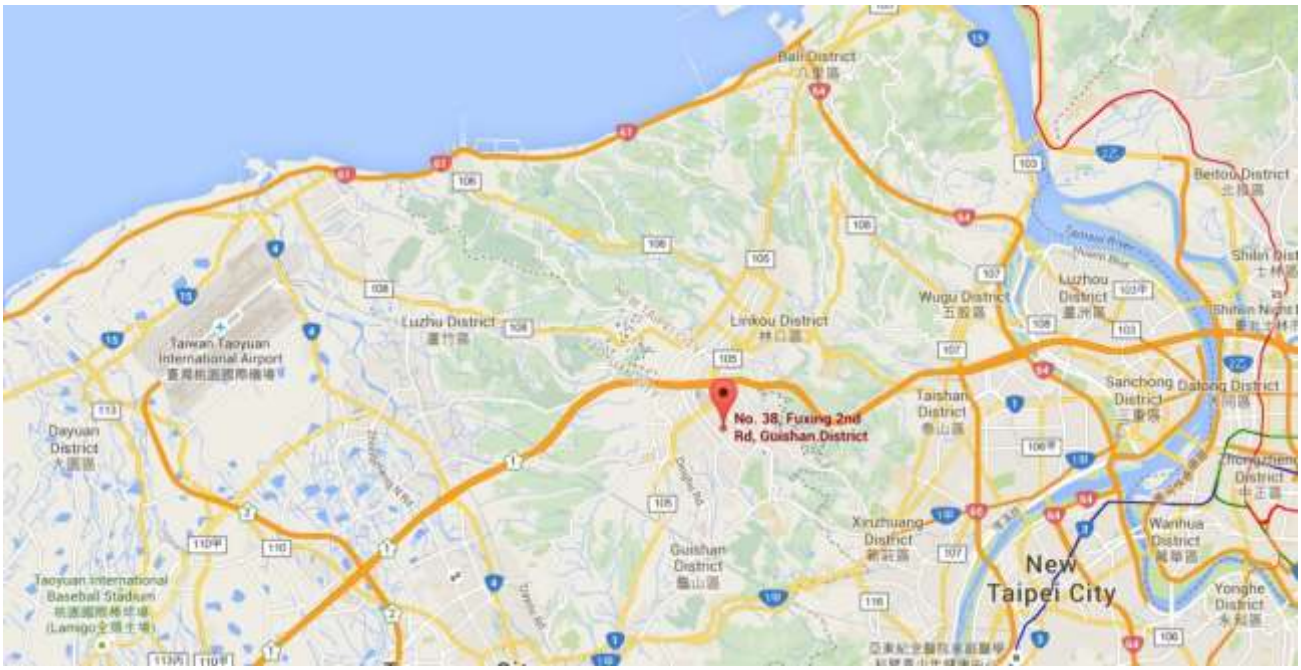
1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada and Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taoyuan City. These measurement tests were conducted at the MRT Technology (Taiwan) Co., Ltd. Facility located at No.38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan (R.O.C).



2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name:	BE5000 Outdoor/Indoor Mesh Wi-Fi 7 Router
Model No.:	Deco BE25-Outdoor
Brand Name:	tp-link
Wi-Fi Specification:	802.11a/b/g/n/ac/ax/be & VHT
EUT Identification No.:	#1-1 (Conducted) #1-2 (Radiated)
Power Supply:	AC100-240V~50/60Hz 0.5A 802.3at PoE: 42.5-57V 0.6A

2.2. Product Specification Subjective to this Report

Frequency Range:	For 802.11a/n-HT20/ac-VHT20/ax-HE20/be-EHT20: 5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40/ax-HE40/be-EHT40: 5190~5230MHz, 5270~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80/ax-HE80/be-EHT80: 5210MHz, 5290MHz, 5530MHz, 5610 MHz, 5690MHz, 5775MHz For 802.11ac-VHT160/ax-HE160/be-EHT160: 5250MHz, 5570MHz For 802.11be-EHT240: 5650MHz
Type of Modulation:	802.11a/n/ac: OFDM 802.11ax/be: OFDMA
Data Rate:	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 2402Mbps 802.11be: up to 4323.5Mbps

Note: For other features of this EUT, test report will be issued separately.

2.3. Working Frequencies for this report

802.11a/n-HT20/ac-VHT20/ax-HE20/be-EHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz	100	5500 MHz
104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz
128	5640 MHz	132	5660 MHz	136	5680 MHz
140	5700 MHz	144	5720 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz	--	--	--	--

802.11n-HT40/ac-VHT40/ax-HE40/be-EHT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz
62	5310 MHz	102	5510 MHz	110	5550MHz
118	5590 MHz	126	5630 MHz	134	5670 MHz
142	5710 MHz	151	5755 MHz	159	5795 MHz

802.11ac-VHT80/ax-HE80/be-EHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530 MHz
122	5610 MHz	138	5690 MHz	155	5775 MHz

802.11ac-VHT160/ax-HE160/be-EHT160

Channel	Frequency	Channel	Frequency	Channel	Frequency
50	5250MHz	114	5570 MHz	--	--

802.11be-EHT240

Channel	Frequency	Channel	Frequency	Channel	Frequency
130	5650 MHz	--	--	--	--

2.4. Description of Available Antennas

Antenna Type	Frequency Band (MHz)	T_X Paths	Max Antenna Gain (dBi)	Max. Antenna Gain (Elevation angle above 30°) (dBi)	Beamforming Directional Gain (dBi)	Beamforming Directional Gain (Elevation angle above 30°) (dBi)	CDD Directional Gain (dBi)	
							For Power	For PSD
Horizontal Antenna (TP-LINK P/N: 3101506351, 3101506352)								
Alford	2412 ~ 2462	2	2.70	--	5.71	--	2.70	5.71
Vertical Antenna (TP-LINK P/N: 3101505348, 3101505349)								
Dipole	2412 ~ 2462	2	3.20	--	6.21	--	3.20	6.21
	5150 ~ 5250	2	3.60	-4.00	6.61	-0.99	3.60	6.61
	5250 ~ 5850	2	3.60	--	6.61	--	3.60	6.61

Note:

1. The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

   If all antennas have the same gain, G_{ANT}, Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

   - For power spectral density (PSD) measurements on all devices,

   Array Gain = 10 log (N_{ANT}/ N_{SS}) dB;

   - For power measurements on IEEE 802.11 devices,

   Array Gain = 0 dB for $N_{ANT} \leq 4$;

2. The EUT also supports Beam Forming mode, and the Beam Forming support 802.11n/ac/ax/be, not include 802.11a/b/g. BF Directional gain = G_{ANT} + 10 log (N_{ANT}).
3. Horizontal antenna and Vertical antenna do not support simultaneous transmissions.
4. The Messages as above is from the AUT report.

Test Mode	T_X Paths	CDD Mode	Beamforming Mode
802.11b/g (DTS)	2	√	X
802.11n/ax/be & VHT (DTS)	2	√	√
802.11a (NII)	2	√	X
802.11n/ac/ax/be (NII)	2	√	√

Note: "√" means "Support", "X" means "Not support".

2.5. Test Mode

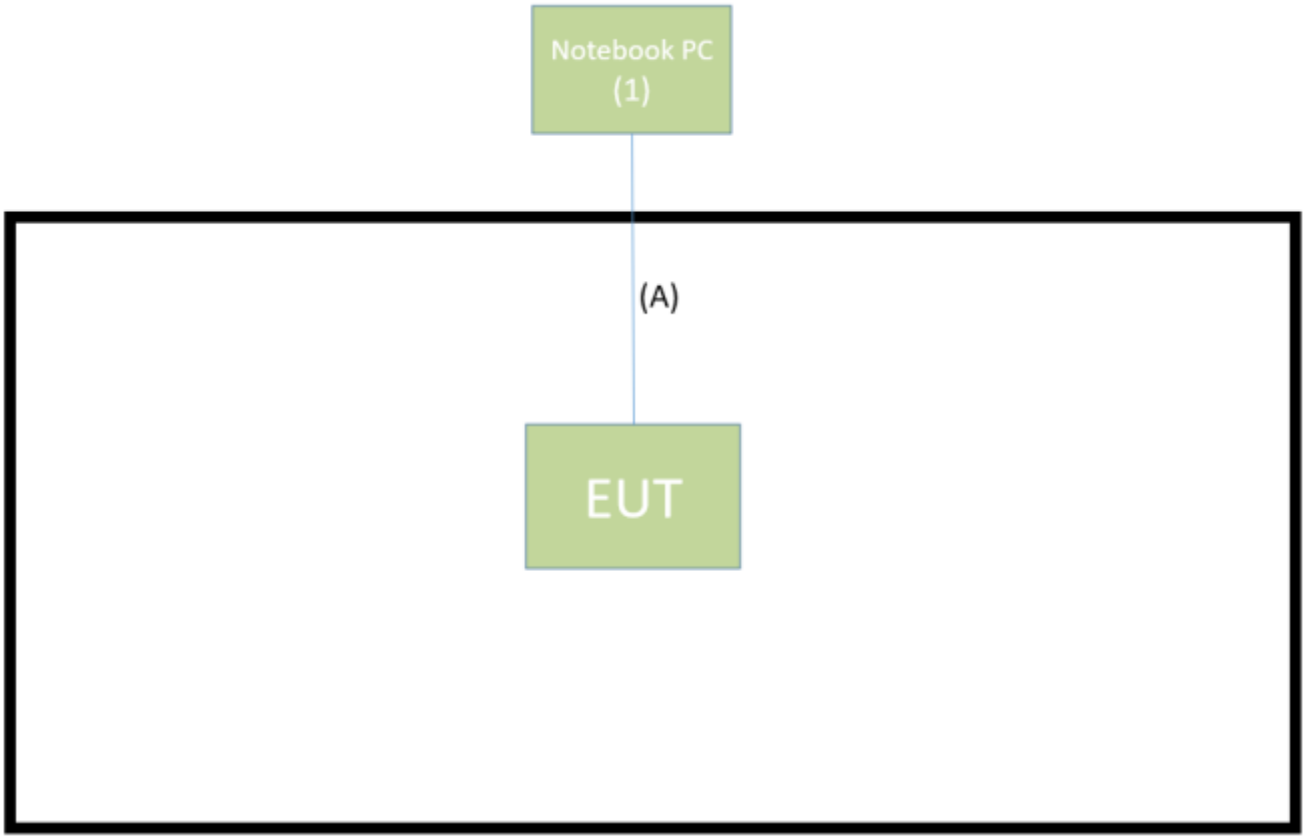
CDD Mode
Mode 1: Transmit by 802.11a_Nss=1 (6Mbps)
Mode 2: Transmit by 802.11ac-VHT20_Nss=1 (MCS0)
Mode 3: Transmit by 802.11ac-VHT40_Nss=1 (MCS0)
Mode 4: Transmit by 802.11ac-VHT80_Nss=1 (MCS0)
Mode 5: Transmit by 802.11ac-VHT160_Nss=1 (MCS0)
Mode 6: Transmit by 802.11ax-HE20_Nss=1 (MCS0)
Mode 7: Transmit by 802.11ax-HE40_Nss=1 (MCS0)
Mode 8: Transmit by 802.11ax-HE80_Nss=1 (MCS0)
Mode 9: Transmit by 802.11ax-HE160_Nss=1 (MCS0)
Mode 10: Transmit by 802.11be-EHT20_N_{SS}=1 (MCS0)
Mode 11: Transmit by 802.11be-EHT40_N_{SS}=1 (MCS0)
Mode 12: Transmit by 802.11be-EHT80_N_{SS}=1 (MCS0)
Mode 13: Transmit by 802.11be-EHT160_N_{SS}=1 (MCS0)
Mode 14: Transmit by 802.11be-EHT240_N_{SS}=1 (MCS0)
Beamforming Mode
Mode 15: Transmit by 802.11ac-VHT20_N_{SS}=1 (MCS0)
Mode 16: Transmit by 802.11ac-VHT40_N_{SS}=1 (MCS0)
Mode 17: Transmit by 802.11ac-VHT80_N_{SS}=1 (MCS0)
Mode 18: Transmit by 802.11ac-VHT160_N_{SS}=1 (MCS0)
Mode 19: Transmit by 802.11ax-HE20_N_{SS}=1 (MCS0)
Mode 20: Transmit by 802.11ax-HE40_N_{SS}=1 (MCS0)
Mode 21: Transmit by 802.11ax-HE80_N_{SS}=1 (MCS0)
Mode 22: Transmit by 802.11ax-HE160_N_{SS}=1 (MCS0)
Mode 23: Transmit by 802.11be-EHT20_N_{SS}=1 (MCS0)
Mode 24: Transmit by 802.11be-EHT40_N_{SS}=1 (MCS0)
Mode 25: Transmit by 802.11be-EHT80_N_{SS}=1 (MCS0)
Mode 26: Transmit by 802.11be-EHT160_N_{SS}=1 (MCS0)
Mode 27: Transmit by 802.11be-EHT240_N_{SS}=1 (MCS0)
Remark: 1. For Radiated emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. 2. This device supports 2 N_{SS} and power level of 2 N_{SS} is less than or equal to the power of 1 N_{SS}. The worst case is N_{SS}=1. 3. Due to CDD mode was the worst mode, so all test items were evaluated in this report. The beamforming mode only evaluated the RF output power.

4. EUT supports one configuration only in 802.11ax/be full RU mode.
5. 802.11n and 802.11ac have same modulation type and same power value, so we only show 802.11ac test data in report.
6. As Designated by manufacturer, the lowest data rate was the worst condition, so all the tests were done with lowest data rate.

2.6. Configuration of Test System

The devicewas tested per the guidance ANSI C63.10: 2013was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.

Connection Diagram



Cable Type		Cable Description
A	LAN Cable	Non shielded, 2.4m

2.7. Test System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product		Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook PC	Lenovo	MP25ZAKY	N/A	Non-Shielded, 0.8m

2.8. Description of Test Software

The test utility software used during testing was “QSPR”, the version is ver5.0-00202.
Note: Final power setting please refer to operational description.

2.9. Applied Standards

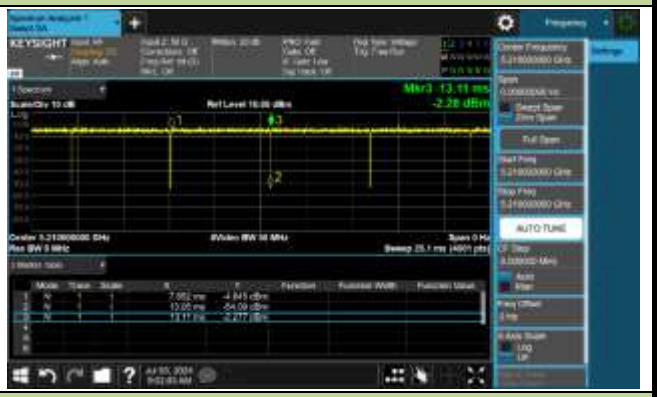
According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.407
- KDB 789033 D02v02r01,
- KDB 662911 D01v02r01
- ANSI C63.10-2013

2.10. Duty Cycle

5GHz (NII) operation is possible in 20MHz, 40MHz, 80MHz, 160MHz and 240MHz channel bandwidths. The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

Test Mode	Duty Cycle
802.11a	99.15%
802.11ac-VHT20	99.82%
802.11ac-VHT40	99.26%
802.11ac-VHT80	98.90%
802.11ac-VHT160	99.45%
802.11ax-HE20	99.63%
802.11ax-HE40	99.27%
802.11ax-HE80	99.26%
802.11ax-HE160	99.45%
802.11be-EHT20	99.45%
802.11be-EHT 40	98.91%
802.11be-EHT 80	98.72%
802.11be-EHT 160	99.27%
802.11be-EHT 240	99.09%

Duty Cycle (T = Transmission Duration)	
802.11a	802.11ac-VHT20
	
802.11ac-VHT40	802.11ac-VHT80
	
802.11ac-VHT160	802.11ax-HE20
	
802.11ax-HE40	802.11ax-HE80
	

802.11ax-HE160	802.11be-EHT20
	
802.11be-EHT40	802.11be-EHT80
	
802.11be-EHT160	802.11be-EHT240
	

2.11. Test Configuration

The devicewas tested per the guidance of KDB 789033 D02v02r01.ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated spurious emissions testingand AC line conducted testing.

2.12. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.13. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphletsupplied to the user and be readily visible to the purchaser at the time of purchase. However, when the deviceis so small wherein placement of the label with specified statement is not practical, only the FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label andlabel location.

3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard ofProcedures for Compliance Testing of Unlicensed Wireless Devices (ANSI C63.10-2013), and the guidance provided in KDB 789033 D02v02r01 were used in themeasurement.

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an8'x4'x4' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.
The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.
Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment whichever determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions are used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.
An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.10-2013.

3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. A MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remotecontrolled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An80cm high PVC support structure is placed on top of the turntable.
For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-40GHz was placed on top of the 1.5 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated tomaximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive antenna height was noted for each frequency found.
Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions. According to 3dB Beam-Width of horn antenna, the horn antenna should be always directed to the EUT when rising height.

4. ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by theresponsible party can be used with the device. The use of a permanently attached antenna or of an antennathat uses a unique coupling to the intentional radiator shall be considered sufficient to comply with theprovisions of this section.”

- The antenna of the device is **permanently attached.**
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2025/3/5
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2025/4/21
EMI Test Receiver	R&S	ESR3	MRTTWA00045	1 year	2025/5/14
DIVA PLUS Funk-Wetterstation	TFA	35.1083	MRTTWA00050	1 year	2025/6/2

Radiated Emissions

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Acitve Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2025/5/7
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2024/10/31
Broadband Hornantenna	RFSPIN	DRH18-E	MRTTWA00087	1 year	2025/5/20
Broadband Preamplifier	EMC Instruments corporation	EMC118A45SE	MRTTWA00088	1 year	2025/5/14
Breitband Hornantenna	SCHWARZBECK	BBHA 9170	MRTTWA00004	1 year	2025/3/26
Broadband Amplifier	SCHWARZBECK	BBV 9721	MRTTWA00006	1 year	2025/3/21
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2025/3/5
Signal Analyzer	R&S	FSVA3044	MRTTWA00092	1 year	2025/6/20
Antenna Cable	HUBERSUHNER	SF106	MRTTWE00034	1 year	2025/6/25
Cable	HUBERSUHNER	EMC105-NM-NM-3000	MRTTWE00035	1 year	2025/6/25
Temperature/Humidity Meter	TFA	35.1083	MRTTWA00050	1 year	2025/6/2

Conducted Test Equipment

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00014	1 year	2025/4/16
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2024/10/17
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2025/8/12
Attenuator	WTI	218FS-20	MRTTWE00026	1 year	2024/11/1
Attenuator	WTI	218FS-10	MRTTWE00027	1 year	2025/6/13
Temperature & Humidity Chamber	TEN BILLION	TTH-B3UP	MRTTWA00036	1 year	2025/6/6
DIVA PLUS Funk-Wetterstation	TFA	35.1083	MRTTWA00050	1 year	2025/6/2

Software	Version	Function
e3	9.160520a	EMI Test Software

6. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

AC Conducted Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 150kHz~30MHz: ± 2.53dB
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 9kHz ~ 1GHz: ± 4.25dB 1GHz ~ 40GHz: ± 4.45dB
Conducted Power (Carrier Power / Power Density)
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ± 0.84dB
Conducted Spurious Emission
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):± 2.65 dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ± 3.3%
Temp. / Humidity
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ±0.82°C/ ±3%
Frequency Error
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): ±78.4Hz

7. TEST RESULT

7.1. Summary

FCC Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.407(a)	26dB Bandwidth	N/A	Conducted	Pass	Section7.2
15.407(e)	6dB Bandwidth	≥ 500kHz		Pass	Section 7.3
15.407(a)(1)(ii), (2), (3)	Maximum Conducted Output Power	Refer to section 7.4		Pass	Section 7.4
15.407(h)(1)	Transmit Power Control	≤ 24 dBm		Pass	Section 7.5
15.407(a)(1)(ii), (2), (3), (12)	Peak Power Spectral Density	Refer to section 7.6		Pass	Section 7.6
15.407(g)	Frequency Stability	N/A		Pass	Section 7.7
15.407(b)(1), (2), (3), (4)(i)	Undesirable Emissions	Refer to Section 7.8	Radiated	Pass	Section 7.8 & 7.9
15.205, 15.209 15.407(b)(8), (9), (10)	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in15.209		Pass	
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits	Line Conducted	Pass	Section 7.10

Notes:

1) Determining compliance is based on the test results met the regulation limits or requirements declared by clients, and the test results don't take into account the value of measurement uncertainty.
2) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part ofthe system to connect the EUT to the analyzer at all frequencies of interest.
3) For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.

7.2. 26dB Bandwidth Measurement

7.2.1.Test Limit

N/A

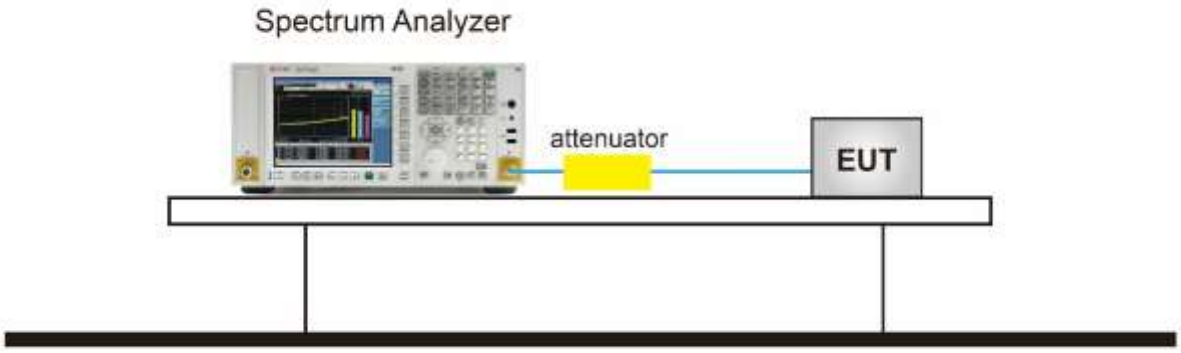
7.2.2.Test Procedure used

K DB 789033 D02v02r01- Section II)C.1) (26dB Bandwidth)
KDB 789033 D02v02r01- Section II)D) (99% Bandwidth)

7.2.3.Test Setting

1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 26. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediated power nulls in the fundamental emission.
2. RBW = approximately 1% of the emission bandwidth.
3. VBW ≥ 3×RBW.
4. Detector = Peak.
5. Trace mode = max hold.

7.2.4.Test Setup



7.2.5.Test Result

Product	BE5000 Outdoor/Indoor Mesh Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/7/28

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 1					
802.11a	6Mbps	36	5180	22.53	16.773
802.11a	6Mbps	40	5200	22.35	16.857
802.11a	6Mbps	48	5240	21.50	16.802
802.11a	6Mbps	52	5260	21.81	16.713
802.11a	6Mbps	60	5300	21.99	16.787
802.11a	6Mbps	64	5320	21.71	16.730
802.11a	6Mbps	100	5500	21.68	16.685
802.11a	6Mbps	116	5580	21.50	16.679
802.11a	6Mbps	140	5700	21.63	16.733
802.11a	6Mbps	144	5720	21.83	16.658
802.11a	6Mbps	149	5745	22.90	17.132
802.11a	6Mbps	157	5785	23.87	17.774
802.11a	6Mbps	165	5825	24.39	17.427
802.11ac-VHT20	MCS0	36	5180	22.20	17.995
802.11ac-VHT20	MCS0	40	5200	23.62	18.102
802.11ac-VHT20	MCS0	48	5240	21.85	18.020
802.11ac-VHT20	MCS0	52	5260	23.07	18.025
802.11ac-VHT20	MCS0	60	5300	22.23	17.976
802.11ac-VHT20	MCS0	64	5320	22.91	17.969
802.11ac-VHT20	MCS0	100	5500	21.06	17.703
802.11ac-VHT20	MCS0	116	5580	21.23	17.619
802.11ac-VHT20	MCS0	140	5700	21.59	17.652
802.11ac-VHT20	MCS0	144	5720	21.70	17.665
802.11ac-VHT20	MCS0	149	5745	23.45	17.926
802.11ac-VHT20	MCS0	157	5785	23.57	17.852
802.11ac-VHT20	MCS0	165	5825	24.46	17.895

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 1					
802.11ac-VHT40	MCS0	38	5190	43.38	36.182
802.11ac-VHT40	MCS0	46	5230	44.13	36.174
802.11ac-VHT40	MCS0	54	5270	43.13	36.178
802.11ac-VHT40	MCS0	62	5310	45.02	36.238
802.11ac-VHT40	MCS0	102	5510	43.05	36.564
802.11ac-VHT40	MCS0	110	5550	43.30	36.533
802.11ac-VHT40	MCS0	134	5670	43.37	36.552
802.11ac-VHT40	MCS0	142	5710	42.95	36.503
802.11ac-VHT40	MCS0	151	5755	51.24	36.992
802.11ac-VHT40	MCS0	159	5795	54.03	36.986
802.11ac-VHT80	MCS0	42	5210	88.09	75.747
802.11ac-VHT80	MCS0	58	5290	87.17	75.835
802.11ac-VHT80	MCS0	106	5530	87.39	76.221
802.11ac-VHT80	MCS0	122	5610	85.57	76.319
802.11ac-VHT80	MCS0	138	5690	85.58	76.139
802.11ac-VHT80	MCS0	155	5775	113.90	76.707
802.11ac-VHT160	MCS0	50	5250	170.40	154.810
802.11ac-VHT160	MCS0	114	5570	168.80	155.680
802.11ax-HE20	MCS0	36	5180	23.16	19.115
802.11ax-HE20	MCS0	40	5200	23.28	19.115
802.11ax-HE20	MCS0	48	5240	23.54	19.101
802.11ax-HE20	MCS0	52	5260	23.31	19.107
802.11ax-HE20	MCS0	60	5300	23.10	19.049
802.11ax-HE20	MCS0	64	5320	22.34	19.038
802.11ax-HE20	MCS0	100	5500	21.31	18.950
802.11ax-HE20	MCS0	116	5580	21.41	18.881
802.11ax-HE20	MCS0	140	5700	21.43	18.867
802.11ax-HE20	MCS0	144	5720	21.57	18.864
802.11ax-HE20	MCS0	149	5745	22.38	19.014
802.11ax-HE20	MCS0	157	5785	23.56	19.044
802.11ax-HE20	MCS0	165	5825	23.48	19.056

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 1					
802.11ax-HE40	MCS0	38	5190	42.03	37.759
802.11ax-HE40	MCS0	46	5230	42.47	37.708
802.11ax-HE40	MCS0	54	5270	42.80	37.793
802.11ax-HE40	MCS0	62	5310	41.16	37.696
802.11ax-HE40	MCS0	102	5510	43.17	37.977
802.11ax-HE40	MCS0	110	5550	42.98	38.006
802.11ax-HE40	MCS0	134	5670	41.10	37.970
802.11ax-HE40	MCS0	142	5710	43.53	38.121
802.11ax-HE40	MCS0	151	5755	46.43	38.229
802.11ax-HE40	MCS0	159	5795	47.97	38.216
802.11ax-HE80	MCS0	42	5210	84.58	77.136
802.11ax-HE80	MCS0	58	5290	82.62	77.194
802.11ax-HE80	MCS0	106	5530	82.92	77.653
802.11ax-HE80	MCS0	122	5610	83.81	77.673
802.11ax-HE80	MCS0	138	5690	82.89	77.823
802.11ax-HE80	MCS0	155	5775	85.98	77.974
802.11ax-HE160	MCS0	50	5250	165.40	156.220
802.11ax-HE160	MCS0	114	5570	168.50	157.340
802.11be-EHT20	MCS0	36	5180	23.74	19.094
802.11be-EHT20	MCS0	40	5200	23.41	19.118
802.11be-EHT20	MCS0	48	5240	24.02	19.099
802.11be-EHT20	MCS0	52	5260	22.88	19.087
802.11be-EHT20	MCS0	60	5300	22.82	19.057
802.11be-EHT20	MCS0	64	5320	22.55	19.103
802.11be-EHT20	MCS0	100	5500	20.87	18.899
802.11be-EHT20	MCS0	116	5580	20.98	18.854
802.11be-EHT20	MCS0	140	5700	21.31	18.915
802.11be-EHT20	MCS0	144	5720	21.42	18.894
802.11be-EHT20	MCS0	149	5745	23.64	19.005
802.11be-EHT20	MCS0	157	5785	23.71	18.980
802.11be-EHT20	MCS0	165	5825	24.41	19.013

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
Ant 1					
802.11be-EHT40	MCS0	38	5190	42.61	37.753
802.11be-EHT40	MCS0	46	5230	43.63	37.822
802.11be-EHT40	MCS0	54	5270	42.63	37.747
802.11be-EHT40	MCS0	62	5310	41.59	37.852
802.11be-EHT40	MCS0	102	5510	42.31	38.041
802.11be-EHT40	MCS0	110	5550	42.99	38.044
802.11be-EHT40	MCS0	134	5670	42.01	38.100
802.11be-EHT40	MCS0	142	5710	42.38	37.915
802.11be-EHT40	MCS0	151	5755	47.19	38.297
802.11be-EHT40	MCS0	159	5795	44.49	38.197
802.11be-EHT80	MCS0	42	5210	84.85	77.354
802.11be-EHT80	MCS0	58	5290	84.60	77.283
802.11be-EHT80	MCS0	106	5530	86.32	77.690
802.11be-EHT80	MCS0	122	5610	84.84	77.871
802.11be-EHT80	MCS0	138	5690	83.70	77.685
802.11be-EHT80	MCS0	155	5775	87.21	78.020
802.11be-EHT160	MCS0	50	5250	168.00	156.610
802.11be-EHT160	MCS0	114	5570	169.40	157.440
802.11be-EHT240	MCS0	130	5650	248.60	236.290

802.11a 26dB Bandwidth & 99% Bandwidth	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

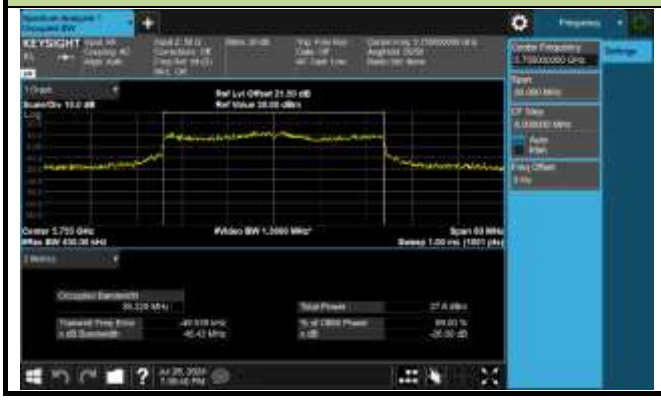
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	
802.11ac-VHT160 26dB Bandwidth & 99% Bandwidth	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

802.11ax-HE20 26dB Bandwidth & 99% Bandwidth	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 144 (5785MHz)**
	
Channel 144 (5825MHz)	
	

802.11ax-HE40 26dB Bandwidth & 99% Bandwidth	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE80 26dB Bandwidth & 99% Bandwidth	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	
802.11ax-HE160 26dB Bandwidth & 99% Bandwidth	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

802.11be-EHT20 26dB Bandwidth & 99% Bandwidth	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 144 (5785MHz)**
	
Channel 144 (5825MHz)	
	

802.11be-EHT40 26dB Bandwidth & 99% Bandwidth	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11be-EHT80 26dB Bandwidth & 99% Bandwidth	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	
802.11be-EHT160 26dB Bandwidth & 99% Bandwidth	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

802.11be-EHT240 26dB Bandwidth & 99% Bandwidth	
Channel 130 (5650MHz)	
	

7.3. 6dB Bandwidth Measurement

7.3.1.Test Limit

The minimum 6dBbandwidth shall be at least 500 kHz.

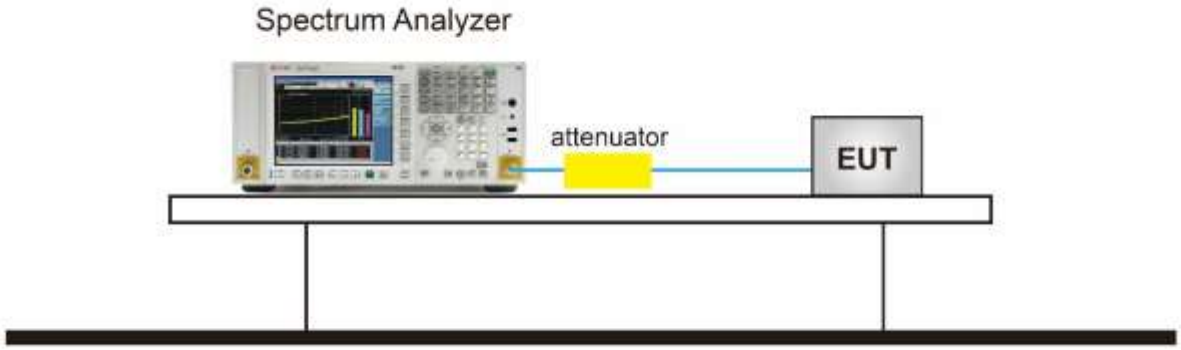
7.3.2.Test Procedure used

KDB 789033 D02v02r01- Section C.2

7.3.3.Test Setting

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 100 kHz.
3. VBW 3 × RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with 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.

7.3.4.Test Setup



7.3.5.TestResult

Product	BE5000 Outdoor/Indoor Mesh Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/7/28

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1						
802.11a	6Mbps	149	5745	16.33	≥ 0.5	Pass
802.11a	6Mbps	157	5785	14.40	≥ 0.5	Pass
802.11a	6Mbps	165	5825	13.54	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	16.31	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	17.28	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	17.57	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	36.48	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	36.48	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	76.47	≥ 0.5	Pass
802.11ax-HE20	MCS0	149	5745	18.49	≥ 0.5	Pass
802.11ax-HE20	MCS0	157	5785	18.22	≥ 0.5	Pass
802.11ax-HE20	MCS0	165	5825	18.67	≥ 0.5	Pass
802.11ax-HE40	MCS0	151	5755	38.23	≥ 0.5	Pass
802.11ax-HE40	MCS0	159	5795	38.19	≥ 0.5	Pass
802.11ax-HE80	MCS0	155	5775	78.14	≥ 0.5	Pass
802.11be-EHT20	MCS0	149	5745	10.32	≥ 0.5	Pass
802.11be-EHT20	MCS0	157	5785	12.36	≥ 0.5	Pass
802.11be-EHT20	MCS0	165	5825	15.48	≥ 0.5	Pass
802.11be-EHT40	MCS0	151	5755	38.14	≥ 0.5	Pass
802.11be-EHT40	MCS0	159	5795	38.00	≥ 0.5	Pass
802.11be-EHT80	MCS0	155	5775	77.62	≥ 0.5	Pass

802.11a 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	
802.11ac-VHT20 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11ac-VHT40 6dB Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ac-VHT80 6dB Bandwidth	
Channel 155 (5775MHz)	
	

802.11ax-HE20 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11ax-HE40 6dB Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ax-HE80 6dB Bandwidth	
Channel 155 (5775MHz)	
	

802.11be-EHT20 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11be-EHT 40 6dB Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11be-EHT 80 6dB Bandwidth	
Channel 155 (5775MHz)	
	

7.4. Output Power Measurement

7.4.1.Test Limit

For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.
For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W (30dBm).
If transmitting antennas of directional gain greater than 6dBi are used, the maximumconducted output power shall be reduced by the amount in dB that the directional gain of theantenna exceeds 6dBi.

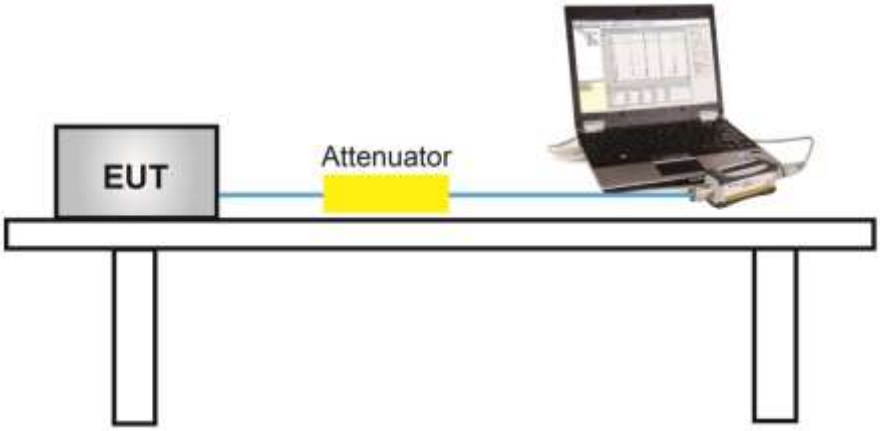
7.4.2.Test Procedure Used

KDB 789033 D02v02r01- Section E)3)b) Method PM-G

7.4.3.Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

7.4.4.Test Setup



7.4.5.Test Result

Product	BE5000 Outdoor/Indoor Mesh Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/7/3~2024/7/28
Test Mode	CDD Mode		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11a	6Mbps	36	5180	21.70	21.81	24.77	≤ 30.00	Pass
11a	6Mbps	40	5200	21.66	21.77	24.73	≤ 30.00	Pass
11a	6Mbps	48	5240	21.69	21.74	24.73	≤ 30.00	Pass
11a	6Mbps	52	5260	18.08	17.98	21.04	≤ 23.98	Pass
11a	6Mbps	60	5300	17.67	17.69	20.69	≤ 23.98	Pass
11a	6Mbps	64	5320	17.25	17.27	20.27	≤ 23.98	Pass
11a	6Mbps	100	5500	17.58	17.62	20.61	≤ 23.98	Pass
11a	6Mbps	116	5580	17.70	17.57	20.65	≤ 23.98	Pass
11a	6Mbps	140	5700	17.75	17.78	20.78	≤ 23.98	Pass
11a	6Mbps	144	5720	17.52	17.95	20.75	≤23.02	Pass
11a	6Mbps	149	5745	23.01	23.49	26.27	≤ 30.00	Pass
11a	6Mbps	157	5785	23.10	23.77	26.46	≤ 30.00	Pass
11a	6Mbps	165	5825	23.06	23.41	26.25	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	21.88	21.63	24.77	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5200	21.91	21.59	24.76	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	21.85	21.65	24.76	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	19.12	18.82	21.98	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	18.97	18.55	21.78	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	18.40	17.99	21.21	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	17.87	17.89	20.89	≤ 23.98	Pass
11ac-VHT20	MCS0	116	5580	17.78	17.94	20.87	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	17.86	18.22	21.05	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	17.52	18.28	20.93	≤ 23.00	Pass
11ac-VHT20	MCS0	149	5745	23.29	23.72	26.52	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	22.87	23.51	26.21	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	23.18	23.64	26.43	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ac-VHT40	MCS0	38	5190	19.19	18.94	22.08	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	21.72	21.83	24.79	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	20.61	20.90	23.77	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	20.16	20.21	23.20	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	19.65	19.54	22.61	≤ 23.98	Pass
11ac-VHT40	MCS0	110	5550	20.86	20.74	23.81	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.31	20.33	23.33	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	20.37	20.30	23.35	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	23.25	23.47	26.37	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	23.03	23.49	26.28	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	19.37	19.25	22.32	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	19.94	19.83	22.90	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	19.96	19.82	22.90	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	20.51	20.56	23.55	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	20.67	20.89	23.79	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	22.81	23.22	26.03	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	19.52	19.47	22.51	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	19.60	19.77	22.70	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	21.84	21.99	24.93	≤ 30.00	Pass
11ax-HE20	MCS0	40	5200	21.76	21.68	24.73	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	21.79	21.65	24.73	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	19.26	19.10	22.19	≤ 23.00	Pass
11ax-HE20	MCS0	60	5300	19.01	18.67	21.85	≤ 23.00	Pass
11ax-HE20	MCS0	64	5320	19.12	18.71	21.93	≤ 23.00	Pass
11ax-HE20	MCS0	100	5500	17.85	17.92	20.90	≤ 23.98	Pass
11ax-HE20	MCS0	116	5580	17.93	17.96	20.96	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	17.81	18.22	21.03	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	17.67	18.18	20.94	≤ 22.98	Pass
11ax-HE20	MCS0	149	5745	23.28	23.60	26.45	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	22.93	23.55	26.26	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	23.11	23.62	26.38	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ax-HE40	MCS0	38	5190	19.24	18.95	22.11	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	21.82	21.74	24.79	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	20.74	20.81	23.79	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	20.29	20.28	23.30	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	19.83	19.72	22.79	≤ 23.98	Pass
11ax-HE40	MCS0	110	5550	20.97	20.89	23.94	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	20.35	20.76	23.57	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	20.39	20.78	23.60	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	23.30	23.59	26.46	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	23.12	23.60	26.38	≤ 30.00	Pass
11ax-HE80	MCS0	42	5210	20.11	19.75	22.94	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	19.95	19.87	22.92	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	19.90	19.85	22.89	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	20.46	20.66	23.57	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	20.61	20.97	23.80	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	22.88	23.27	26.09	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	19.98	20.01	23.01	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	20.22	20.31	23.28	≤ 23.98	Pass
11be-EHT20	MCS0	36	5180	21.93	21.85	24.90	≤ 30.00	Pass
11be-EHT20	MCS0	40	5200	21.93	21.81	24.88	≤ 30.00	Pass
11be-EHT20	MCS0	48	5240	21.94	21.78	24.87	≤ 30.00	Pass
11be-EHT20	MCS0	52	5260	19.49	19.03	22.28	≤ 23.00	Pass
11be-EHT20	MCS0	60	5300	19.08	18.79	21.95	≤ 23.00	Pass
11be-EHT20	MCS0	64	5320	19.25	18.75	22.02	≤ 23.00	Pass
11be-EHT20	MCS0	100	5500	17.91	17.88	20.91	≤ 23.98	Pass
11be-EHT20	MCS0	116	5580	17.95	17.98	20.98	≤ 23.98	Pass
11be-EHT20	MCS0	140	5700	17.91	18.17	21.05	≤ 23.98	Pass
11be-EHT20	MCS0	144	5720	17.64	18.29	20.99	≤ 22.96	Pass
11be-EHT20	MCS0	149	5745	23.43	23.72	26.59	≤ 30.00	Pass
11be-EHT20	MCS0	157	5785	22.97	23.52	26.26	≤ 30.00	Pass
11be-EHT20	MCS0	165	5825	23.32	23.60	26.47	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11be-EHT40	MCS0	38	5190	19.69	19.51	22.61	≤ 30.00	Pass
11be-EHT40	MCS0	46	5230	21.87	21.77	24.83	≤ 30.00	Pass
11be-EHT40	MCS0	54	5270	20.75	20.85	23.81	≤ 23.98	Pass
11be-EHT40	MCS0	62	5310	20.19	20.24	23.23	≤ 23.98	Pass
11be-EHT40	MCS0	102	5510	19.76	19.61	22.70	≤ 23.98	Pass
11be-EHT40	MCS0	110	5550	20.33	20.27	23.31	≤ 23.98	Pass
11be-EHT40	MCS0	134	5670	20.29	20.69	23.50	≤ 23.98	Pass
11be-EHT40	MCS0	142	5710	20.40	20.75	23.59	≤ 23.98	Pass
11be-EHT40	MCS0	151	5755	23.20	23.68	26.46	≤ 30.00	Pass
11be-EHT40	MCS0	159	5795	23.04	23.59	26.33	≤ 30.00	Pass
11be-EHT80	MCS0	42	5210	20.08	19.79	22.95	≤ 30.00	Pass
11be-EHT80	MCS0	58	5290	20.04	19.89	22.98	≤ 23.98	Pass
11be-EHT80	MCS0	106	5530	19.93	20.10	23.03	≤ 23.98	Pass
11be-EHT80	MCS0	122	5610	20.55	20.67	23.62	≤ 23.98	Pass
11be-EHT80	MCS0	138	5690	20.63	20.91	23.78	≤ 23.98	Pass
11be-EHT80	MCS0	155	5775	22.86	23.35	26.12	≤ 30.00	Pass
11be-EHT160	MCS0	50	5250	20.01	20.00	23.02	≤ 23.98	Pass
11be-EHT160	MCS0	114	5570	20.25	20.32	23.30	≤ 23.98	Pass
11be-EHT240	MCS0	130	5650	16.44	16.41	19.44	≤ 23.98	Pass

Note 1:

Note 1: The Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 0 Average Power }/10)} + 10^{(\text{Ant 1 Average Power }/10)}\}$.

Note 2:

For 5250 - 5350MHz and 5470 - 5725MHz Bands: Average Power Limit (dBm) = 23.98 dBm.

For 5150 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 dBm.

For Channel 144 (5720MHz), Average Power Limit (dBm) = $11+10*\log(5\text{MHz} + BW_{26dBc}/2)$

Product	BE5000 Outdoor/Indoor Mesh Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/7/3~2024/7/28
Test Mode	Beamforming Mode		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ac-VHT20	MCS0	36	5180	18.55	18.42	21.50	≤ 29.39	Pass
11ac-VHT20	MCS0	40	5200	18.76	18.52	21.65	≤ 29.39	Pass
11ac-VHT20	MCS0	48	5240	18.82	18.71	21.78	≤ 29.39	Pass
11ac-VHT20	MCS0	52	5260	19.12	18.82	21.98	≤ 23.37	Pass
11ac-VHT20	MCS0	60	5300	18.97	18.55	21.78	≤ 23.37	Pass
11ac-VHT20	MCS0	64	5320	18.40	17.99	21.21	≤ 23.37	Pass
11ac-VHT20	MCS0	100	5500	17.87	17.89	20.89	≤ 23.37	Pass
11ac-VHT20	MCS0	116	5580	17.78	17.94	20.87	≤ 23.37	Pass
11ac-VHT20	MCS0	140	5700	17.86	18.22	21.05	≤ 23.37	Pass
11ac-VHT20	MCS0	144	5720	17.52	18.28	20.93	≤ 22.39	Pass
11ac-VHT20	MCS0	149	5745	23.29	23.72	26.52	≤ 29.39	Pass
11ac-VHT20	MCS0	157	5785	22.87	23.51	26.21	≤ 29.39	Pass
11ac-VHT20	MCS0	165	5825	23.18	23.64	26.43	≤ 29.39	Pass
11ac-VHT40	MCS0	38	5190	18.39	18.36	21.39	≤ 29.39	Pass
11ac-VHT40	MCS0	46	5230	18.94	18.90	21.93	≤ 29.39	Pass
11ac-VHT40	MCS0	54	5270	19.86	20.12	23.00	≤ 23.37	Pass
11ac-VHT40	MCS0	62	5310	20.16	20.21	23.20	≤ 23.37	Pass
11ac-VHT40	MCS0	102	5510	19.65	19.54	22.61	≤ 23.37	Pass
11ac-VHT40	MCS0	110	5550	19.86	20.00	22.94	≤ 23.37	Pass
11ac-VHT40	MCS0	134	5670	19.40	19.96	22.70	≤ 23.37	Pass
11ac-VHT40	MCS0	142	5710	19.59	19.88	22.75	≤ 23.37	Pass
11ac-VHT40	MCS0	151	5755	23.25	23.47	26.37	≤ 29.39	Pass
11ac-VHT40	MCS0	159	5795	23.03	23.49	26.28	≤ 29.39	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ac-VHT80	MCS0	42	5210	18.79	18.64	21.73	≤ 29.39	Pass
11ac-VHT80	MCS0	58	5290	19.94	19.83	22.90	≤ 23.37	Pass
11ac-VHT80	MCS0	106	5530	19.96	19.82	22.90	≤ 23.37	Pass
11ac-VHT80	MCS0	122	5610	19.63	19.80	22.73	≤ 23.37	Pass
11ac-VHT80	MCS0	138	5690	19.72	20.22	22.99	≤ 23.37	Pass
11ac-VHT80	MCS0	155	5775	22.81	23.22	26.03	≤ 29.39	Pass
11ac-VHT160	MCS0	50	5250	18.69	18.73	21.72	≤ 23.37	Pass
11ac-VHT160	MCS0	114	5570	19.60	19.77	22.70	≤ 23.37	Pass
11ax-HE20	MCS0	36	5180	18.82	18.77	21.81	≤ 29.39	Pass
11ax-HE20	MCS0	40	5200	18.88	18.77	21.84	≤ 29.39	Pass
11ax-HE20	MCS0	48	5240	18.89	18.82	21.87	≤ 29.39	Pass
11ax-HE20	MCS0	52	5260	19.26	19.10	22.19	≤ 23.37	Pass
11ax-HE20	MCS0	60	5300	19.01	18.67	21.85	≤ 23.37	Pass
11ax-HE20	MCS0	64	5320	19.12	18.71	21.93	≤ 23.37	Pass
11ax-HE20	MCS0	100	5500	17.85	17.92	20.90	≤ 23.37	Pass
11ax-HE20	MCS0	116	5580	17.93	17.96	20.96	≤ 23.37	Pass
11ax-HE20	MCS0	140	5700	17.81	18.22	21.03	≤ 23.37	Pass
11ax-HE20	MCS0	144	5720	17.67	18.18	20.94	≤ 22.37	Pass
11ax-HE20	MCS0	149	5745	23.28	23.60	26.45	≤ 29.39	Pass
11ax-HE20	MCS0	157	5785	22.93	23.55	26.26	≤ 29.39	Pass
11ax-HE20	MCS0	165	5825	23.11	23.62	26.38	≤ 29.39	Pass
11ax-HE40	MCS0	38	5190	18.42	18.41	21.43	≤ 29.39	Pass
11ax-HE40	MCS0	46	5230	18.82	18.73	21.79	≤ 29.39	Pass
11ax-HE40	MCS0	54	5270	20.03	20.03	23.04	≤ 23.37	Pass
11ax-HE40	MCS0	62	5310	20.29	20.28	23.30	≤ 23.37	Pass
11ax-HE40	MCS0	102	5510	19.83	19.72	22.79	≤ 23.37	Pass
11ax-HE40	MCS0	110	5550	20.03	19.96	23.01	≤ 23.37	Pass
11ax-HE40	MCS0	134	5670	19.54	20.10	22.84	≤ 23.37	Pass
11ax-HE40	MCS0	142	5710	19.59	20.11	22.87	≤ 23.37	Pass
11ax-HE40	MCS0	151	5755	23.30	23.59	26.46	≤ 29.39	Pass
11ax-HE40	MCS0	159	5795	23.12	23.60	26.38	≤ 29.39	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11ax-HE80	MCS0	42	5210	18.96	18.69	21.84	≤ 29.39	Pass
11ax-HE80	MCS0	58	5290	19.95	19.87	22.92	≤ 23.37	Pass
11ax-HE80	MCS0	106	5530	19.90	19.85	22.89	≤ 23.37	Pass
11ax-HE80	MCS0	122	5610	19.77	19.90	22.85	≤ 23.37	Pass
11ax-HE80	MCS0	138	5690	19.82	20.22	23.03	≤ 23.37	Pass
11ax-HE80	MCS0	155	5775	22.88	23.27	26.09	≤ 29.39	Pass
11ax-HE160	MCS0	50	5250	18.97	18.81	21.90	≤ 23.37	Pass
11ax-HE160	MCS0	114	5570	20.22	20.31	23.28	≤ 23.37	Pass
11be-EHT20	MCS0	36	5180	18.95	18.82	21.90	≤ 29.39	Pass
11be-EHT20	MCS0	40	5200	18.86	18.81	21.85	≤ 29.39	Pass
11be-EHT20	MCS0	48	5240	18.39	18.30	21.36	≤ 29.39	Pass
11be-EHT20	MCS0	52	5260	19.49	19.03	22.28	≤ 23.37	Pass
11be-EHT20	MCS0	60	5300	19.08	18.79	21.95	≤ 23.37	Pass
11be-EHT20	MCS0	64	5320	19.25	18.75	22.02	≤ 23.37	Pass
11be-EHT20	MCS0	100	5500	17.91	17.88	20.91	≤ 23.37	Pass
11be-EHT20	MCS0	116	5580	17.95	17.98	20.98	≤ 23.37	Pass
11be-EHT20	MCS0	140	5700	17.91	18.17	21.05	≤ 23.37	Pass
11be-EHT20	MCS0	144	5720	17.64	18.29	20.99	≤ 22.35	Pass
11be-EHT20	MCS0	149	5745	23.43	23.72	26.59	≤ 29.39	Pass
11be-EHT20	MCS0	157	5785	22.97	23.52	26.26	≤ 29.39	Pass
11be-EHT20	MCS0	165	5825	23.32	23.60	26.47	≤ 29.39	Pass
11be-EHT40	MCS0	38	5190	19.01	18.90	21.97	≤ 29.39	Pass
11be-EHT40	MCS0	46	5230	19.09	18.76	21.94	≤ 29.39	Pass
11be-EHT40	MCS0	54	5270	19.94	20.01	22.99	≤ 23.37	Pass
11be-EHT40	MCS0	62	5310	20.19	20.24	23.23	≤ 23.37	Pass
11be-EHT40	MCS0	102	5510	19.76	19.61	22.70	≤ 23.37	Pass
11be-EHT40	MCS0	110	5550	20.33	20.27	23.31	≤ 23.37	Pass
11be-EHT40	MCS0	134	5670	19.43	19.94	22.70	≤ 23.37	Pass
11be-EHT40	MCS0	142	5710	19.53	20.06	22.81	≤ 23.37	Pass
11be-EHT40	MCS0	151	5755	23.20	23.68	26.46	≤ 29.39	Pass
11be-EHT40	MCS0	159	5795	23.04	23.59	26.33	≤ 29.39	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Power Limit (dBm)	Result
11be-EHT80	MCS0	42	5210	18.98	18.64	21.82	≤ 29.39	Pass
11be-EHT80	MCS0	58	5290	20.04	19.89	22.98	≤ 23.37	Pass
11be-EHT80	MCS0	106	5530	19.93	20.10	23.03	≤ 23.37	Pass
11be-EHT80	MCS0	122	5610	19.82	20.08	22.96	≤ 23.37	Pass
11be-EHT80	MCS0	138	5690	19.97	20.23	23.11	≤ 23.37	Pass
11be-EHT80	MCS0	155	5775	22.86	23.35	26.12	≤ 29.39	Pass
11be-EHT160	MCS0	50	5250	18.90	18.78	21.85	≤ 23.37	Pass
11be-EHT160	MCS0	114	5570	20.25	20.32	23.30	≤ 23.37	Pass
11be-EHT240	MCS0	130	5650	16.44	16.41	19.44	≤ 23.37	Pass

Note 1: The Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 0 Average Power }/10)} + 10^{(\text{Ant 1 Average Power }/10)}\}$.

Note 2:

For 5125 - 5250MHz Band: Average Power Limit (dBm) = 30.00 - (6.61- 6) = 29.39dBm

For 5250 - 5350MHz and 5470 - 5725MHz Band: Average Power Limit (dBm) = 23.98 - (6.61- 6) = 23.37dBm.

For 5725 - 5850MHz Band: Average Power Limit (dBm) = 30- (6.61- 6) = 29.39dBm.

For Channel 144 (5720MHz), Average Power Limit (dBm) = $11+10*\log(5\text{MHz} + BW_{26dBc}/2)$ - (6.61- 6)

Product	BE5000 Outdoor/Indoor Mesh Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/7/3~2024/7/28

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
				Ant 0	Ant 1				
EIRP at any elevation angle above 30 degrees (CDD mode)									
11a	6Mbps	36	5180	21.70	21.81	24.77	20.77	≤ 21.00	Pass
11a	6Mbps	44	5220	21.66	21.77	24.73	20.73	≤ 21.00	Pass
11a	6Mbps	48	5240	21.69	21.74	24.73	20.73	≤ 21.00	Pass
11ac-VHT20	MCS0	36	5180	21.88	21.63	24.77	20.77	≤ 21.00	Pass
11ac-VHT20	MCS0	44	5220	21.91	21.59	24.76	20.76	≤ 21.00	Pass
11ac-VHT20	MCS0	48	5240	21.85	21.65	24.76	20.76	≤ 21.00	Pass
11ac-VHT40	MCS0	38	5190	19.19	18.94	22.08	18.08	≤ 21.00	Pass
11ac-VHT40	MCS0	46	5230	21.72	21.83	24.79	20.79	≤ 21.00	Pass
11ac-VHT80	MCS0	42	5210	19.37	19.25	22.32	18.32	≤ 21.00	Pass
11ac-VHT160	MCS0	50	5250	19.52	19.47	22.51	18.51	≤ 21.00	Pass
11ax-HE20	MCS0	36	5180	21.84	21.99	24.93	20.93	≤ 21.00	Pass
11ax-HE20	MCS0	44	5220	21.76	21.68	24.73	20.73	≤ 21.00	Pass
11ax-HE20	MCS0	48	5240	21.79	21.65	24.73	20.73	≤ 21.00	Pass
11ax-HE40	MCS0	38	5190	19.24	18.95	22.11	18.11	≤ 21.00	Pass
11ax-HE40	MCS0	46	5230	21.82	21.74	24.79	20.79	≤ 21.00	Pass
11ax-HE80	MCS0	42	5210	20.11	19.75	22.94	18.94	≤ 21.00	Pass
11ax-HE160	MCS0	50	5250	19.98	20.01	23.01	19.01	≤ 21.00	Pass
11be-ETH20	MCS0	36	5180	21.93	21.85	24.90	20.90	≤ 21.00	Pass
11be-ETH20	MCS0	44	5220	21.93	21.81	24.88	20.88	≤ 21.00	Pass
11be-ETH20	MCS0	48	5240	21.94	21.78	24.87	20.87	≤ 21.00	Pass
11be-ETH40	MCS0	38	5190	19.69	19.51	22.61	18.61	≤ 21.00	Pass
11be-ETH40	MCS0	46	5230	21.87	21.77	24.83	20.83	≤ 21.00	Pass
11be-ETH80	MCS0	42	5210	20.08	19.79	22.95	18.95	≤ 21.00	Pass
11be-ETH160	MCS0	50	5250	20.01	20.00	23.02	19.02	≤ 21.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
				Ant 0	Ant 1				
EIRP at any elevation angle above 30 degrees (Beamforming mode)									
11ac-VHT20	MCS0	36	5180	18.55	18.42	21.50	20.51	≤ 21.00	Pass
11ac-VHT20	MCS0	44	5220	18.76	18.52	21.65	20.66	≤ 21.00	Pass
11ac-VHT20	MCS0	48	5240	18.82	18.71	21.78	20.79	≤ 21.00	Pass
11ac-VHT40	MCS0	38	5190	18.39	18.36	21.39	20.40	≤ 21.00	Pass
11ac-VHT40	MCS0	46	5230	18.94	18.90	21.93	20.94	≤ 21.00	Pass
11ac-VHT80	MCS0	42	5210	18.79	18.64	21.73	20.74	≤ 21.00	Pass
11ac-VHT160	MCS0	50	5250	18.69	18.73	21.72	20.73	≤ 21.00	Pass
11ax-HE20	MCS0	36	5180	18.82	18.77	21.81	20.82	≤ 21.00	Pass
11ax-HE20	MCS0	44	5220	18.88	18.77	21.84	20.85	≤ 21.00	Pass
11ax-HE20	MCS0	48	5240	18.89	18.82	21.87	20.88	≤ 21.00	Pass
11ax-HE40	MCS0	38	5190	18.42	18.41	21.43	20.44	≤ 21.00	Pass
11ax-HE40	MCS0	46	5230	18.82	18.73	21.79	20.80	≤ 21.00	Pass
11ax-HE80	MCS0	42	5210	18.96	18.69	21.84	20.85	≤ 21.00	Pass
11ax-HE160	MCS0	50	5250	18.97	18.81	21.90	20.91	≤ 21.00	Pass
11be-ETH20	MCS0	36	5180	18.95	18.82	21.90	20.91	≤ 21.00	Pass
11be-ETH20	MCS0	44	5220	18.86	18.81	21.85	20.86	≤ 21.00	Pass
11be-ETH20	MCS0	48	5240	18.39	18.30	21.36	20.37	≤ 21.00	Pass
11be-ETH40	MCS0	38	5190	19.01	18.90	21.97	20.98	≤ 21.00	Pass
11be-ETH40	MCS0	46	5230	19.09	18.76	21.94	20.95	≤ 21.00	Pass
11be-ETH80	MCS0	42	5210	18.98	18.64	21.82	20.83	≤ 21.00	Pass
11be-ETH160	MCS0	50	5250	18.90	18.78	21.85	20.86	≤ 21.00	Pass

Note 1: The Total Average Power (dBm) = $10*\log\{10^{(\text{Ant 0 Average Power }/10)} + 10^{(\text{Ant 1 Average Power }/10)}\}$.

Note 2: EIRP (dBm) = Total Average Power (dBm) + Directional Gain (dBi)

7.5. Transmit Power Control

7.5.1.Test Limit

The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm.

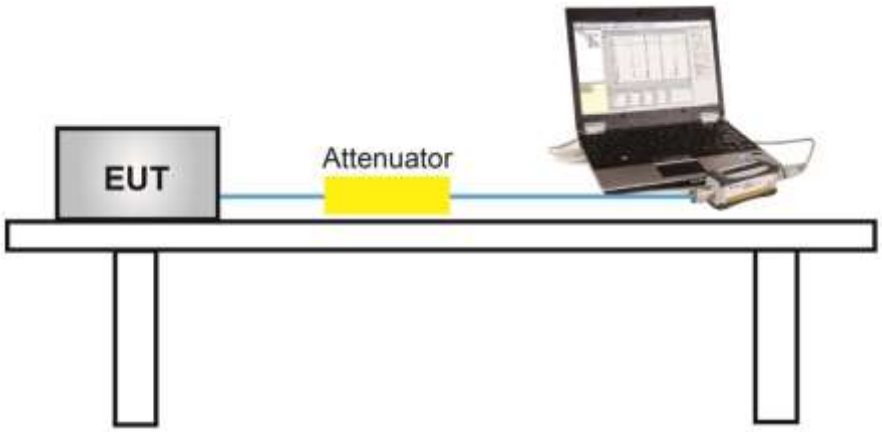
7.5.2.Test Procedure Used

KDB 789033 D02v02r01- Section E)3)b) Method PM-G

7.5.3.Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

7.5.4.Test Setup



7.5.5.Test Result

Device supports TPC mechanism, details refer to the operational description.

7.6. Power Spectral Density Measurement

7.6.1.Test Limit

For the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

If transmitting antennas of directional gain greater than 6dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of theantenna exceeds 6dBi.

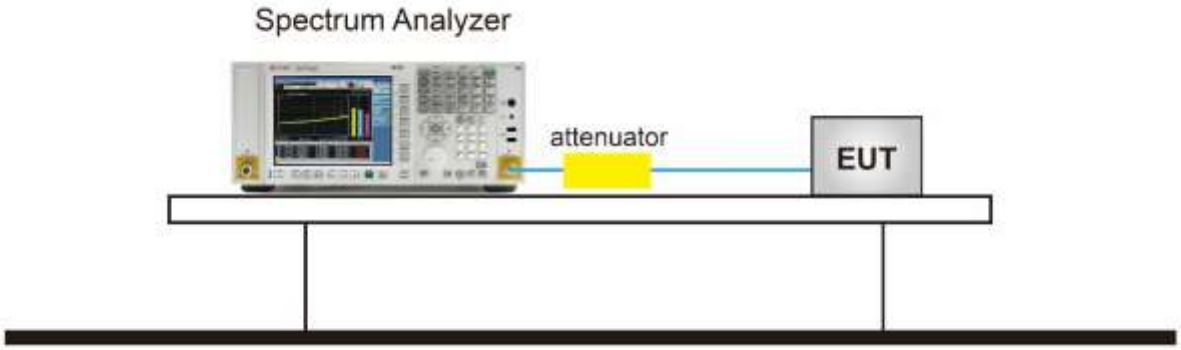
7.6.2.Test Procedure Used

KDB 789033 D02v02r01-SectionF

7.6.3.Test Setting

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire 26dB EBW of the signal.
3. RBW = 1MHz, if measurement bandwidth of Maximum PSD is specified in 500 kHz, RBW = 510 kHz
4. VBW = 3MHz
5. Number of sweep points ≥ 2 × (span / RBW)
6. Detector = power averaging (Average)
7. Sweep time = auto
8. Trigger = free run
9. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
10. Add 10*log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10*log(1/0.25) = 6 dB if the duty cycle is 25 percent.

7.6.4.Test Setup



7.6.5.Test Result

Product	BE5000 Outdoor/Indoor Mesh Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/7/3~2024/7/28
Mode	Power Spectral Density (U-NII- 1/-2a / -2c) CDD Mode		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11a	6Mbps	36	5180	10.698	10.773	99.15%	13.783	≤ 16.39	Pass
11a	6Mbps	40	5200	10.599	10.560	99.15%	13.627	≤ 16.39	Pass
11a	6Mbps	48	5240	10.790	10.321	99.15%	13.609	≤ 16.39	Pass
11a	6Mbps	52	5260	7.312	6.837	99.15%	10.128	≤ 10.39	Pass
11a	6Mbps	60	5300	7.272	6.965	99.15%	10.169	≤ 10.39	Pass
11a	6Mbps	64	5320	6.887	6.870	99.15%	9.926	≤ 10.39	Pass
11a	6Mbps	100	5500	6.937	7.314	99.15%	10.177	≤ 10.39	Pass
11a	6Mbps	116	5580	6.944	6.851	99.15%	9.945	≤ 10.39	Pass
11a	6Mbps	140	5700	7.064	7.354	99.15%	10.259	≤ 10.39	Pass
11a	6Mbps	144	5720	6.959	7.490	99.15%	10.280	≤ 10.39	Pass
11ac-VHT20	MCS0	36	5180	10.156	9.587	99.82%	12.899	≤ 16.39	Pass
11ac-VHT20	MCS0	40	5200	10.248	9.251	99.82%	12.796	≤ 16.39	Pass
11ac-VHT20	MCS0	48	5240	10.407	9.201	99.82%	12.864	≤ 16.39	Pass
11ac-VHT20	MCS0	52	5260	7.743	6.434	99.82%	10.156	≤ 10.39	Pass
11ac-VHT20	MCS0	60	5300	7.829	6.683	99.82%	10.312	≤ 10.39	Pass
11ac-VHT20	MCS0	64	5320	7.732	6.485	99.82%	10.171	≤ 10.39	Pass
11ac-VHT20	MCS0	100	5500	6.989	7.475	99.82%	10.257	≤ 10.39	Pass
11ac-VHT20	MCS0	116	5580	6.832	7.175	99.82%	10.025	≤ 10.39	Pass
11ac-VHT20	MCS0	140	5700	6.698	7.553	99.82%	10.165	≤ 10.39	Pass
11ac-VHT20	MCS0	144	5720	6.481	7.219	99.82%	9.884	≤ 10.39	Pass
11ac-VHT40	MCS0	38	5190	4.701	3.897	99.26%	7.360	≤ 16.39	Pass
11ac-VHT40	MCS0	46	5230	7.920	6.323	99.26%	10.237	≤ 16.39	Pass
11ac-VHT40	MCS0	54	5270	6.835	5.862	99.26%	9.418	≤ 10.39	Pass
11ac-VHT40	MCS0	62	5310	6.363	6.482	99.26%	9.465	≤ 10.39	Pass
11ac-VHT40	MCS0	102	5510	5.057	6.352	99.26%	8.795	≤ 10.39	Pass
11ac-VHT40	MCS0	110	5550	6.989	7.599	99.26%	10.347	≤ 10.39	Pass
11ac-VHT40	MCS0	134	5670	7.060	7.386	99.26%	10.269	≤ 10.39	Pass
11ac-VHT40	MCS0	142	5710	6.661	7.506	99.26%	10.147	≤ 10.39	Pass

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT80	MCS0	42	5210	2.304	1.771	98.90%	5.104	≤ 16.39	Pass
11ac-VHT80	MCS0	58	5290	3.215	2.838	98.90%	6.089	≤ 10.39	Pass
11ac-VHT80	MCS0	106	5530	2.556	3.617	98.90%	6.177	≤ 10.39	Pass
11ac-VHT80	MCS0	122	5610	3.798	4.662	98.90%	7.310	≤ 10.39	Pass
11ac-VHT80	MCS0	138	5690	3.833	5.031	98.90%	7.532	≤ 10.39	Pass
11ac-VHT160	MCS0	50	5250	-1.055	-0.308	99.45%	2.369	≤ 10.39	Pass
11ac-VHT160	MCS0	114	5570	-1.326	0.681	99.45%	2.827	≤ 10.39	Pass
11ax-HE20	MCS0	36	5180	10.280	8.968	99.63%	12.700	≤ 16.39	Pass
11ax-HE20	MCS0	40	5200	10.193	8.944	99.63%	12.640	≤ 16.39	Pass
11ax-HE20	MCS0	48	5240	10.211	8.783	99.63%	12.582	≤ 16.39	Pass
11ax-HE20	MCS0	52	5260	8.026	6.214	99.63%	10.240	≤ 10.39	Pass
11ax-HE20	MCS0	60	5300	7.875	6.261	99.63%	10.169	≤ 10.39	Pass
11ax-HE20	MCS0	64	5320	7.666	6.549	99.63%	10.170	≤ 10.39	Pass
11ax-HE20	MCS0	100	5500	7.007	7.161	99.63%	10.111	≤ 10.39	Pass
11ax-HE20	MCS0	116	5580	6.933	7.205	99.63%	10.098	≤ 10.39	Pass
11ax-HE20	MCS0	140	5700	6.830	7.365	99.63%	10.132	≤ 10.39	Pass
11ax-HE20	MCS0	144	5720	6.060	7.371	99.63%	9.791	≤ 10.39	Pass
11ax-HE40	MCS0	38	5190	4.765	3.848	99.27%	7.373	≤ 16.39	Pass
11ax-HE40	MCS0	46	5230	7.399	6.367	99.27%	9.956	≤ 16.39	Pass
11ax-HE40	MCS0	54	5270	6.607	5.701	99.27%	9.220	≤ 10.39	Pass
11ax-HE40	MCS0	62	5310	6.169	5.733	99.27%	8.999	≤ 10.39	Pass
11ax-HE40	MCS0	102	5510	5.038	6.273	99.27%	8.741	≤ 10.39	Pass
11ax-HE40	MCS0	110	5550	7.081	7.286	99.27%	10.227	≤ 10.39	Pass
11ax-HE40	MCS0	134	5670	6.622	7.507	99.27%	10.129	≤ 10.39	Pass
11ax-HE40	MCS0	142	5710	6.487	7.625	99.27%	10.135	≤ 10.39	Pass
11ax-HE80	MCS0	42	5210	2.823	2.146	99.26%	5.540	≤ 16.39	Pass
11ax-HE80	MCS0	58	5290	3.111	2.779	99.26%	5.991	≤ 10.39	Pass
11ax-HE80	MCS0	106	5530	2.412	3.794	99.26%	6.200	≤ 10.39	Pass
11ax-HE80	MCS0	122	5610	4.206	4.655	99.26%	7.479	≤ 10.39	Pass
11ax-HE80	MCS0	122	5690	3.994	4.840	99.26%	7.480	≤ 10.39	Pass
11ax-HE160	MCS0	50	5250	-0.803	0.080	99.45%	2.695	≤ 10.39	Pass
11ax-HE160	MCS0	114	5570	-1.358	0.808	99.45%	2.893	≤ 10.39	Pass

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11be-EHT20	MCS0	36	5180	10.167	9.439	99.45%	12.852	≤ 16.39	Pass
11be-EHT20	MCS0	40	5200	10.201	9.212	99.45%	12.769	≤ 16.39	Pass
11be-EHT20	MCS0	48	5240	10.377	9.467	99.45%	12.980	≤ 16.39	Pass
11be-EHT20	MCS0	52	5260	7.764	6.308	99.45%	10.131	≤ 10.39	Pass
11be-EHT20	MCS0	60	5300	7.868	6.487	99.45%	10.266	≤ 10.39	Pass
11be-EHT20	MCS0	64	5320	7.869	6.598	99.45%	10.314	≤ 10.39	Pass
11be-EHT20	MCS0	100	5500	6.836	6.927	99.45%	9.916	≤ 10.39	Pass
11be-EHT20	MCS0	116	5580	6.991	7.075	99.45%	10.067	≤ 10.39	Pass
11be-EHT20	MCS0	140	5700	6.506	7.448	99.45%	10.037	≤ 10.39	Pass
11be-EHT20	MCS0	144	5720	6.316	7.327	99.45%	9.885	≤ 10.39	Pass
11be-EHT40	MCS0	38	5190	5.263	4.403	98.91%	7.912	≤ 16.39	Pass
11be-EHT40	MCS0	46	5230	7.570	6.284	98.91%	10.032	≤ 16.39	Pass
11be-EHT40	MCS0	54	5270	6.762	5.677	98.91%	9.311	≤ 16.39	Pass
11be-EHT40	MCS0	62	5310	6.330	5.971	98.91%	9.212	≤ 10.39	Pass
11be-EHT40	MCS0	102	5510	5.060	6.226	98.91%	8.740	≤ 10.39	Pass
11be-EHT40	MCS0	110	5550	6.504	7.069	98.91%	9.854	≤ 10.39	Pass
11be-EHT40	MCS0	134	5670	6.481	7.494	98.91%	10.075	≤ 10.39	Pass
11be-EHT40	MCS0	142	5710	6.657	7.487	98.91%	10.150	≤ 10.39	Pass
11be-EHT80	MCS0	42	5210	2.296	2.190	98.72%	5.310	≤ 16.39	Pass
11be-EHT80	MCS0	58	5290	2.394	2.861	98.72%	5.700	≤ 10.39	Pass
11be-EHT80	MCS0	106	5530	1.779	3.786	98.72%	5.964	≤ 10.39	Pass
11be-EHT80	MCS0	122	5610	4.242	4.353	98.72%	7.364	≤ 10.39	Pass
11be-EHT80	MCS0	138	5690	4.049	4.928	98.72%	7.577	≤ 10.39	Pass
11be-EHT160	MCS0	50	5250	-0.705	0.372	99.27%	2.909	≤ 10.39	Pass
11be-EHT160	MCS0	114	5570	-0.814	0.854	99.27%	3.142	≤ 10.39	Pass
11be-EHT240	MCS0	130	5650	-5.481	-3.799	99.09%	-1.509	≤ 10.39	Pass

Note 1: When EUT duty cycle ≥ 98%,

the total PSD (dBm/MHz) = $10*\log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/MHz).

When EUT duty cycle < 98%,

the total PSD (dBm/MHz) = $10*\log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\} + 10*\log (1/\text{Duty Cycle})$(dBm/MHz).

Note 2:

For 5150 - 5250MHz Band: PSD Limit (dBm/MHz) = 17 - (6.61 - 6) = 16.39dBm/MHz.

For 5250 - 5350MHz and 5470 - 5725MHz Bands: PSD Limit (dBm/MHz) = 11 - (6.61 - 6) = 10.39dBm/MHz.

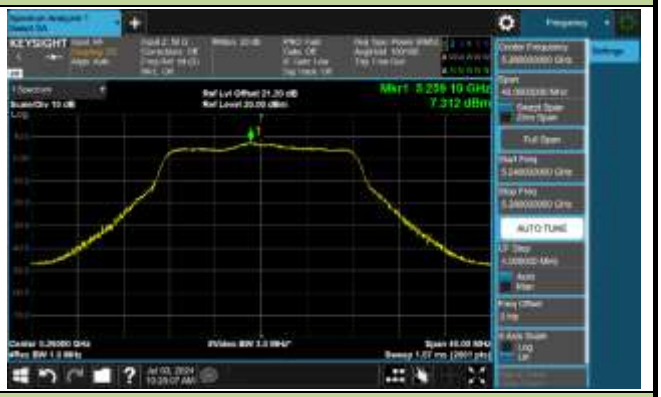
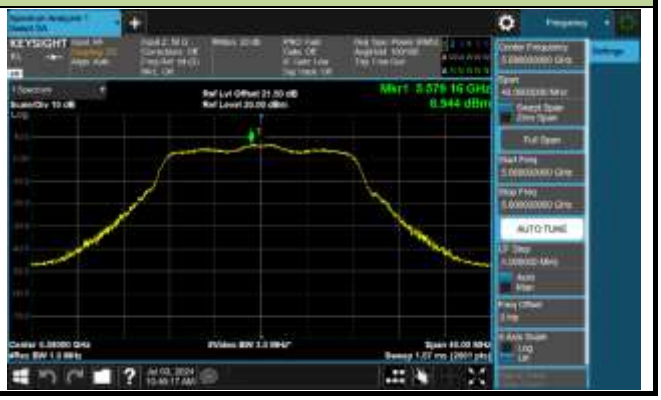
Product	BE5000 Outdoor/Indoor Mesh Wi-Fi 7 Router	Test Engineer	Owen
Test Site	SR6	Test Date	2024/7/3~2024/7/28
Test Item	Power Spectral Density (U-NII-3) CDD Mode		

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/510KHz)	Ant 1 PSD (dBm/510KHz)	Duty Cycle (%)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)	Result
11a	6Mbps	149	5745	9.964	10.509	99.15%	13.292	≤ 29.39	Pass
11a	6Mbps	157	5785	9.967	10.711	99.15%	13.402	≤ 29.39	Pass
11a	6Mbps	165	5825	9.946	10.980	99.15%	13.541	≤ 29.39	Pass
11ac-VHT20	MCS0	149	5745	9.321	10.154	99.82%	12.776	≤ 29.39	Pass
11ac-VHT20	MCS0	157	5785	8.497	9.519	99.82%	12.056	≤ 29.39	Pass
11ac-VHT20	MCS0	165	5825	9.879	10.709	99.82%	13.332	≤ 29.39	Pass
11ac-VHT40	MCS0	151	5755	6.493	7.574	99.26%	10.110	≤ 29.39	Pass
11ac-VHT40	MCS0	159	5795	6.390	7.636	99.26%	10.100	≤ 29.39	Pass
11ac-VHT80	MCS0	155	5775	2.820	3.973	98.90%	6.493	≤ 29.39	Pass
11ax-HE20	MCS0	149	5745	8.888	9.703	99.63%	12.341	≤ 29.39	Pass
11ax-HE20	MCS0	157	5785	8.233	9.615	99.63%	12.005	≤ 29.39	Pass
11ax-HE20	MCS0	165	5825	9.202	9.706	99.63%	12.488	≤ 29.39	Pass
11ax-HE40	MCS0	151	5755	6.542	7.694	99.27%	10.198	≤ 29.39	Pass
11ax-HE40	MCS0	159	5795	6.116	7.493	99.27%	9.901	≤ 29.39	Pass
11ax-HE80	MCS0	155	5775	2.920	4.425	99.26%	6.780	≤ 29.39	Pass
11be-EHT20	MCS0	149	5745	9.282	9.951	99.45%	12.664	≤ 29.39	Pass
11be-EHT20	MCS0	157	5785	8.893	10.187	99.45%	12.622	≤ 29.39	Pass
11be-EHT20	MCS0	165	5825	9.014	10.187	99.45%	12.674	≤ 29.39	Pass
11be-EHT40	MCS0	151	5755	6.535	7.219	98.91%	9.948	≤ 29.39	Pass
11be-EHT40	MCS0	159	5795	6.408	7.308	98.91%	9.939	≤ 29.39	Pass
11be-EHT80	MCS0	155	5775	3.216	4.472	98.72%	6.955	≤ 29.39	Pass

Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = 10*log $\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz).

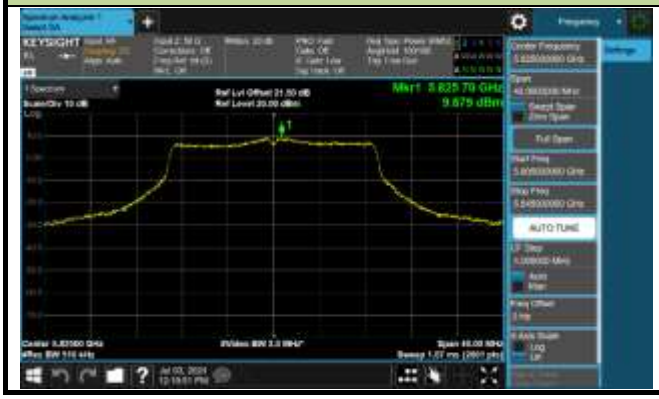
When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = 10*log $\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz) + 10*log (1/Duty Cycle).

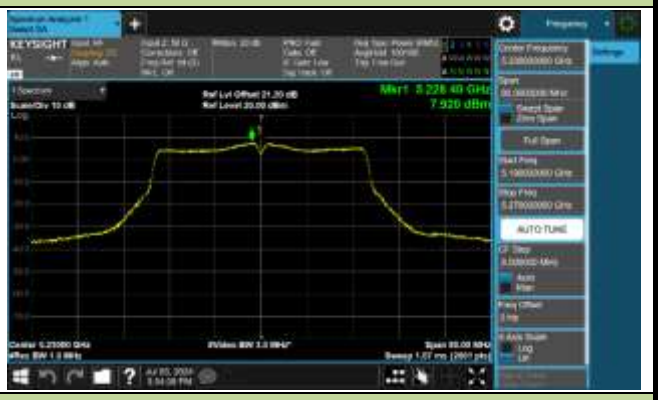
Note 2: PSD Limit (dBm/500kHz) = 30 - (6.61 - 6) = 29.39 (dBm/500kHz).

802.11a Power Spectral Density - Ant 0	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

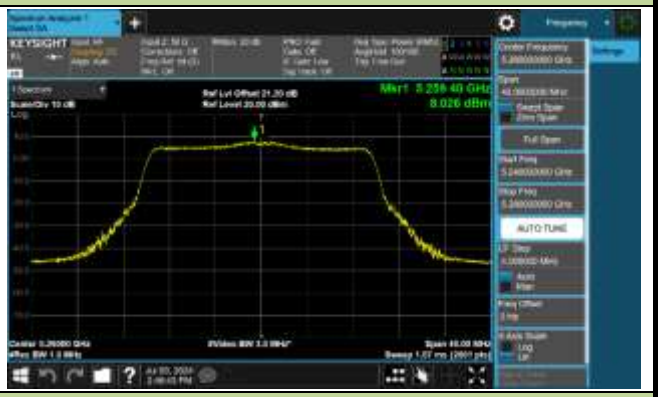
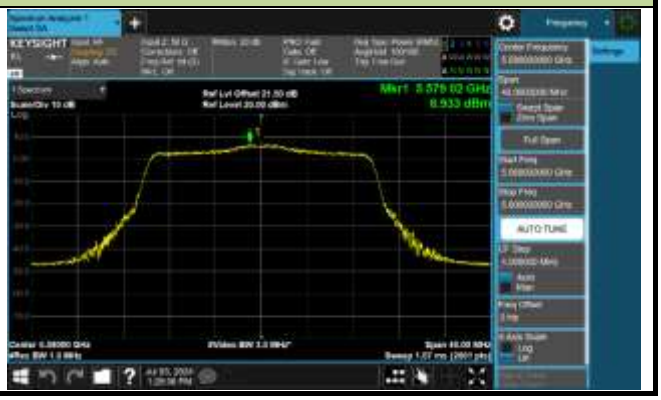
802.11ac-VHT20 Power Spectral Density - Ant 0	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

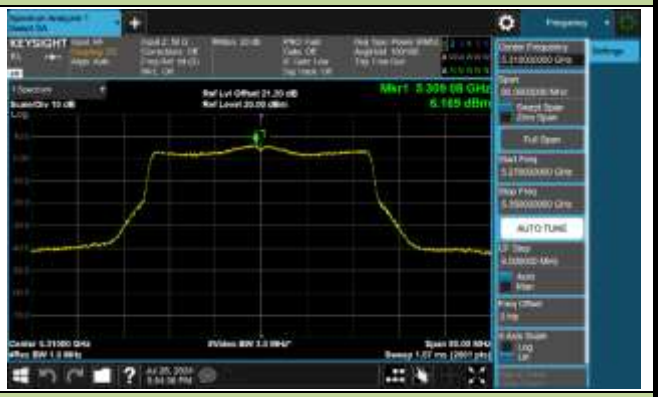
802.11ac-VHT40 Power Spectral Density - Ant 0	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 Power Spectral Density - Ant 0	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	
802.11ac-VHT160 Power Spectral Density - Ant 0	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

802.11ax-HE20 Power Spectral Density - Ant 0	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

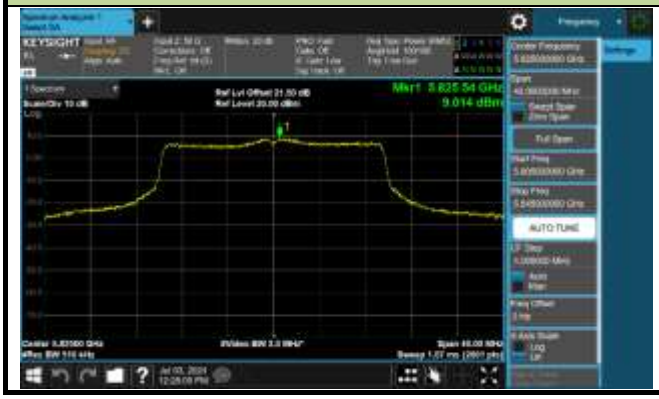
Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

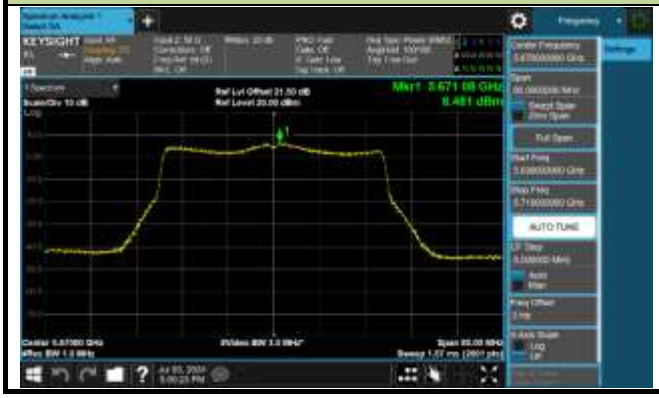
802.11ax-HE40 Power Spectral Density - Ant 0	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE80 Power Spectral Density - Ant 0	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	
802.11ax-HE160 Power Spectral Density - Ant 0	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

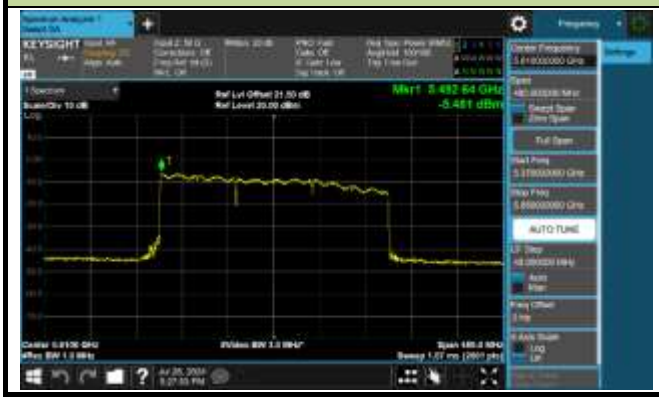
802.11be-EHT20 Power Spectral Density - Ant 0	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

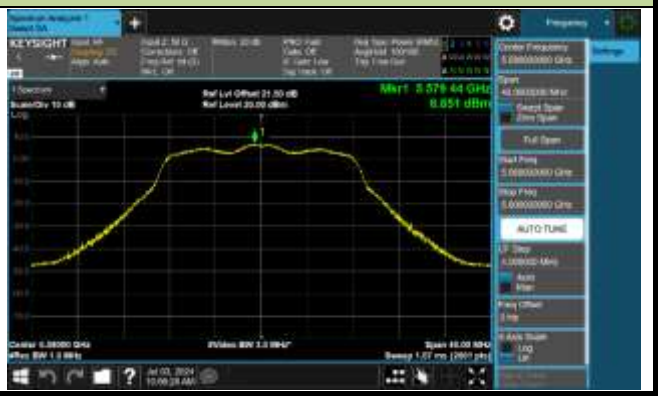
Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

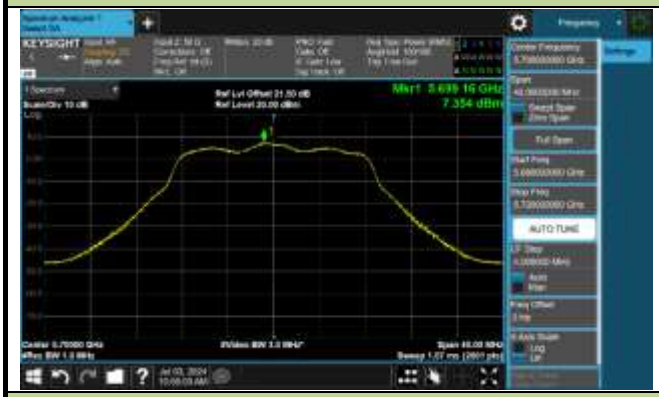
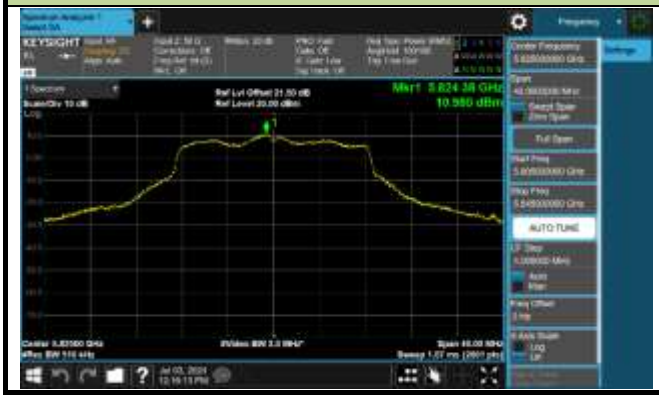
802.11be-EHT40 Power Spectral Density - Ant 0	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11be-EHT80 Power Spectral Density - Ant 0	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	
802.11be-EHT160 Power Spectral Density - Ant 0	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

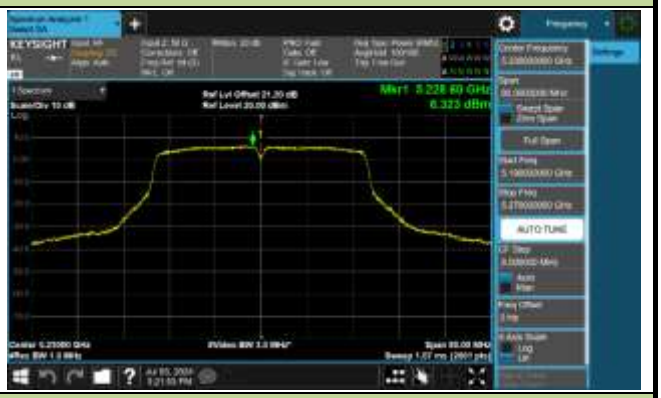
802.11be-EHT240 Power Spectral Density - Ant 0	
Channel 130 (5650MHz)	
	

802.11a Power Spectral Density - Ant 1	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

802.11ac-VHT20 Power Spectral Density - Ant 1	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

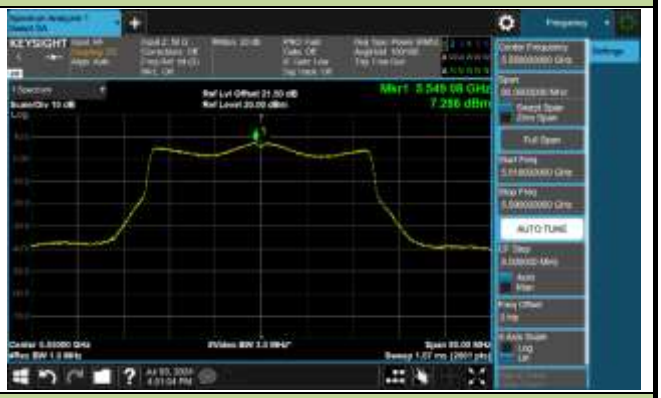
802.11ac-VHT40 Power Spectral Density - Ant 1	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 Power Spectral Density - Ant 1	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	
802.11ac-VHT160 Power Spectral Density - Ant 1	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

802.11ax-HE20 Power Spectral Density - Ant 1	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

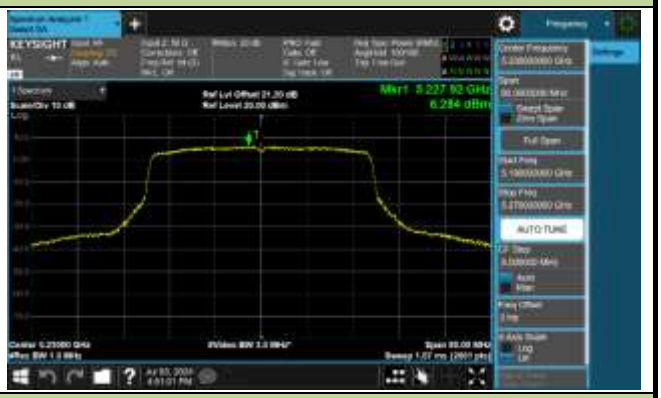
802.11ax-HE40 Power Spectral Density - Ant 1	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE80 Power Spectral Density - Ant 1	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	
802.11ax-HE160 Power Spectral Density - Ant 1	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

802.11be-EHT20 Power Spectral Density - Ant 1	
Channel 36 (5180MHz)	Channel 40 (5200MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

Channel 140 (5700MHz)	Channel 144 (5720MHz)
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	
Channel 165 (5825MHz)	
	

802.11be-EHT40 Power Spectral Density - Ant 1	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	
Channel 134 (5670MHz)	Channel 142 (5710MHz)
	

Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11be-EHT80 Power Spectral Density - Ant 1	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	
802.11be-EHT160 Power Spectral Density - Ant 1	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

802.11be-EHT240 Power Spectral Density - Ant 1	
Channel 130 (5650MHz)	
	

7.7. Frequency Stability Measurement

7.7.1.Test Limit

Manufactures 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 user's manual.

7.7.2.Test Limit

Frequency Stability Under Temperature Variations:

The equipment under te

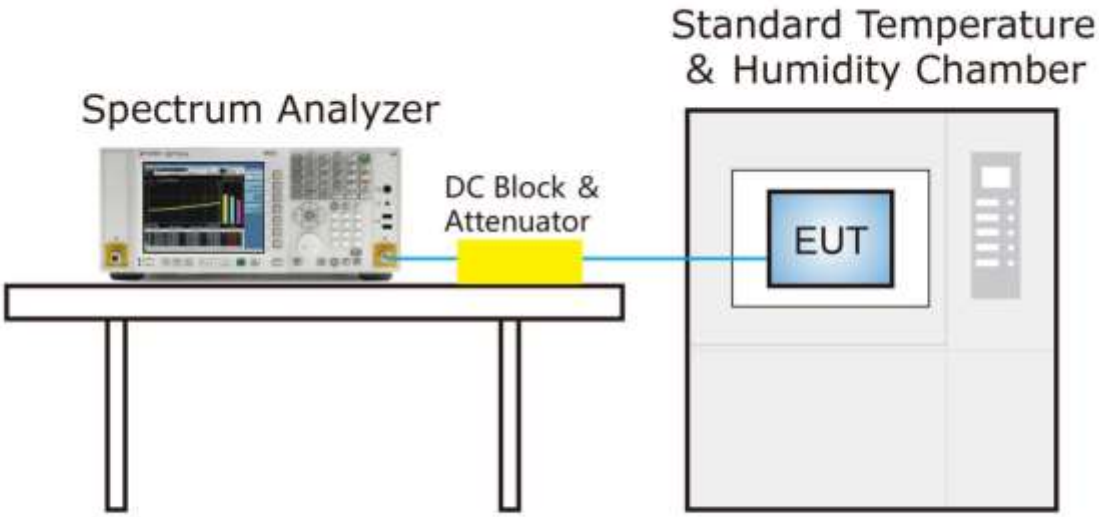
st was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, recordthe maximum frequency change.

7.7.3.Test Setup



7.7.4.Test Result

Grantee ensure that the product meets e-CFR Title 47 section 15.407(g) and KDB 789033 D02v02r01 frequency stability such that the emissions are maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

7.8. Radiated Spurious Emission Measurement

7.8.1.Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
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

7.8.2.Test Procedure Used

KDB 789033 D02v02r01- Section G

7.8.3.Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
>1000 MHz	1 MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. Span was set greater than 1MHz

3. RBW = as specified in Table 1

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW;If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

4. Detector = Peak

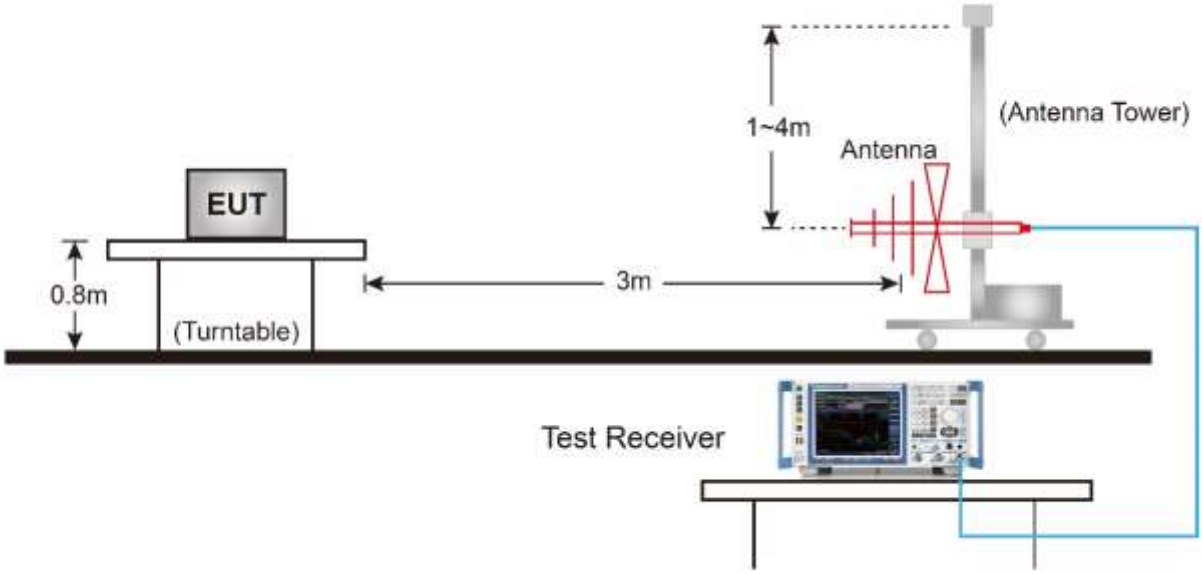
5. Sweep time = auto

6. Trace mode = max hold

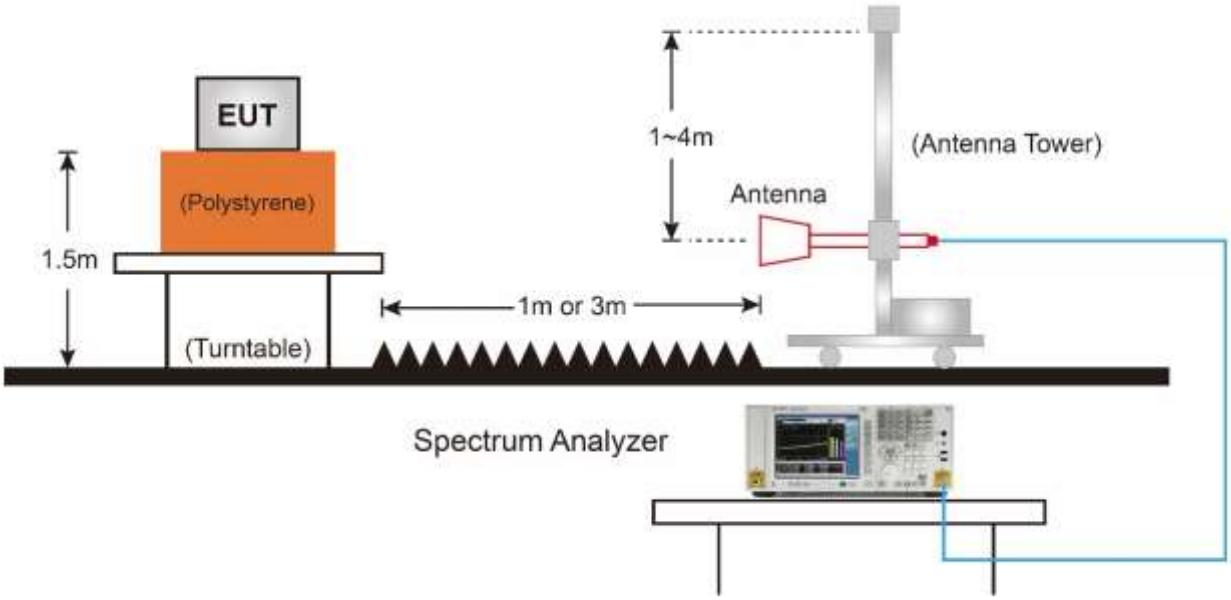
7. Trace was allowed to stabilize

7.8.4.Test Setup

Below 1GHz Test Setup:

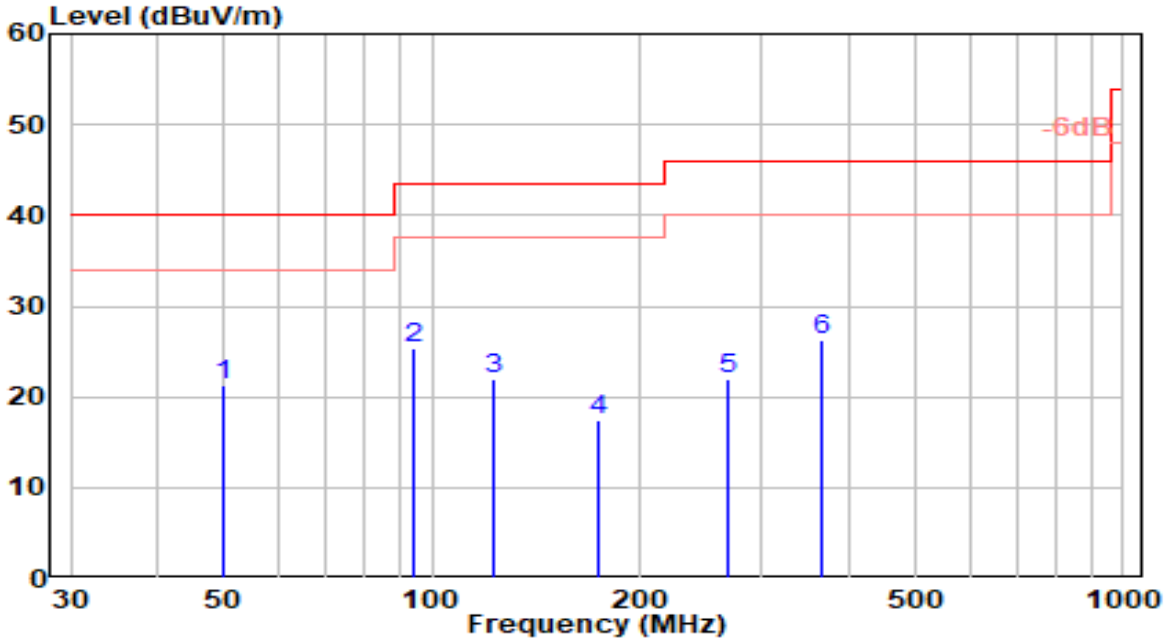


Above 1GHz Test Setup:



7.8.5.Test Result

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-31
Factor	VULB 9162	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Bnad1_TX_CH 40 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

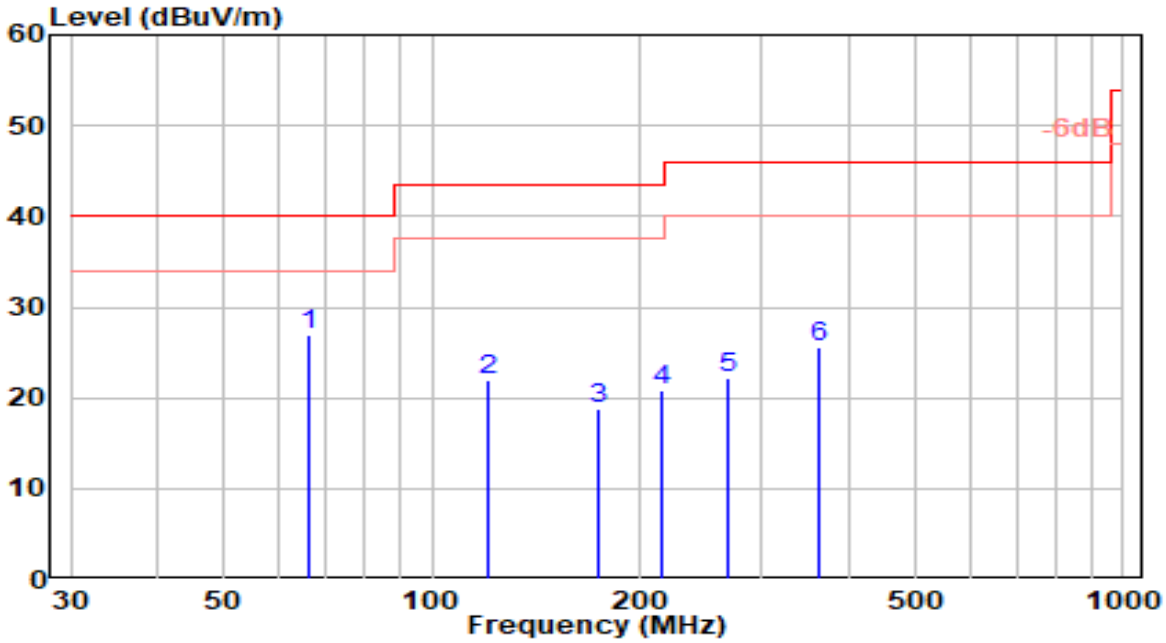


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		49.760	0.94	20.44	21.39	-18.61	40.00	100	306	QP
2	*	93.980	7.91	17.42	25.33	-18.17	43.50	200	251	QP
3		122.700	5.50	16.43	21.93	-21.57	43.50	192	7	QP
4		173.550	1.40	16.01	17.41	-26.09	43.50	200	109	QP
5		266.860	1.95	19.93	21.87	-24.13	46.00	100	58	QP
6		366.890	3.54	22.75	26.29	-19.71	46.00	100	84	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20dB below the permissible value. Therefore, the data is not presented in the report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-31
Factor	VULB 9162	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Bnad1_TX_CH 40 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

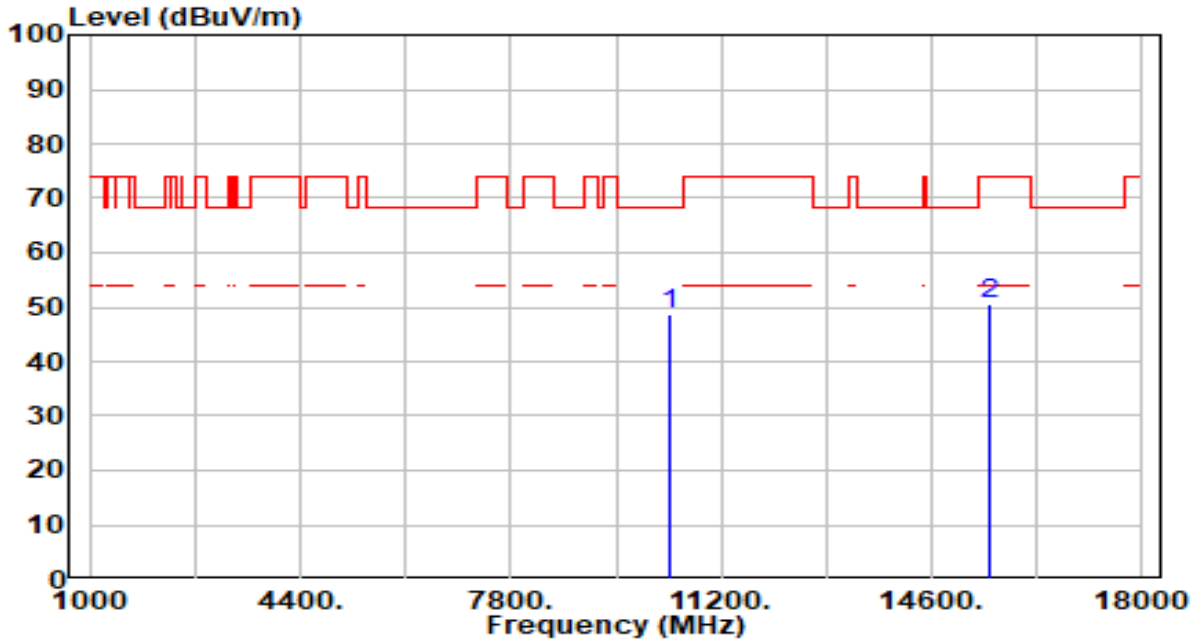


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	66.250	9.88	16.97	26.84	-13.16	40.00	100	85	QP
2		120.170	5.14	16.82	21.97	-21.53	43.50	100	297	QP
3		174.110	2.85	16.04	18.89	-24.61	43.50	100	163	QP
4		215.260	2.79	18.04	20.83	-22.67	43.50	100	232	QP
5		267.830	2.25	19.91	22.16	-23.84	46.00	164	7	QP
6		362.040	2.92	22.67	25.59	-20.41	46.00	100	67	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. The amplitude of radiated emissions (frequency range from 9kHz to 30MHz) is that proximity to ambient noise, which also are attenuated more than 20dB below the permissible value. Therefore, the data is not presented in the report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band1_TX_CH 36 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

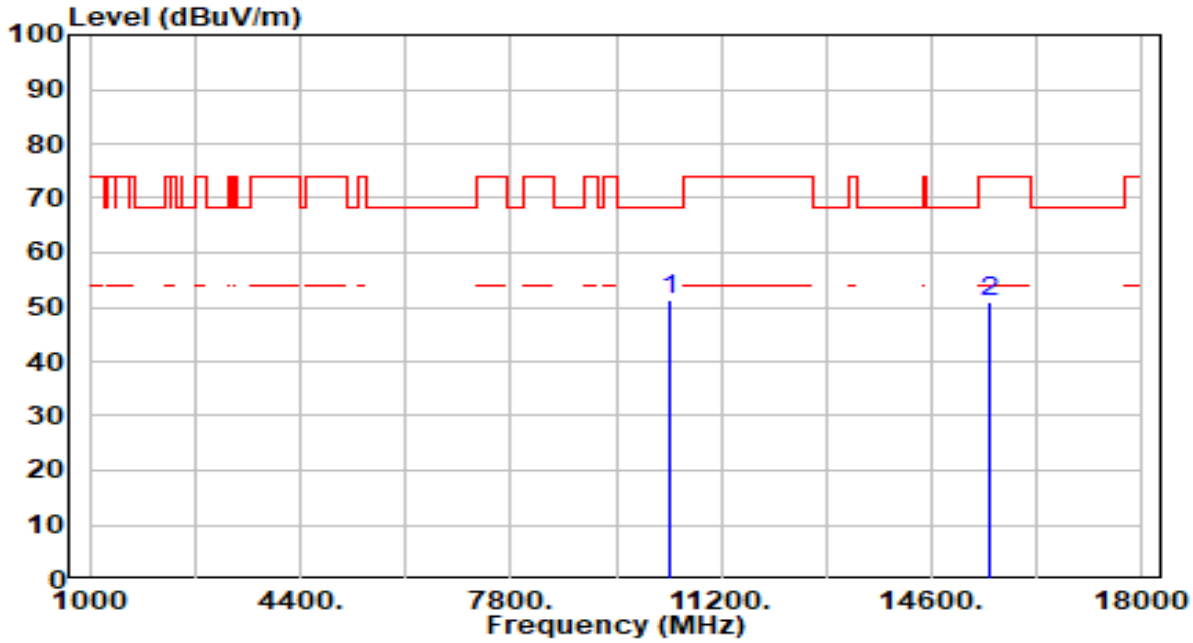


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	43.69	4.87	48.56	-19.64	68.20	200	102	Peak
2		15540.000	44.50	6.21	50.71	-23.29	74.00	100	136	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band1_TX_CH 36 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

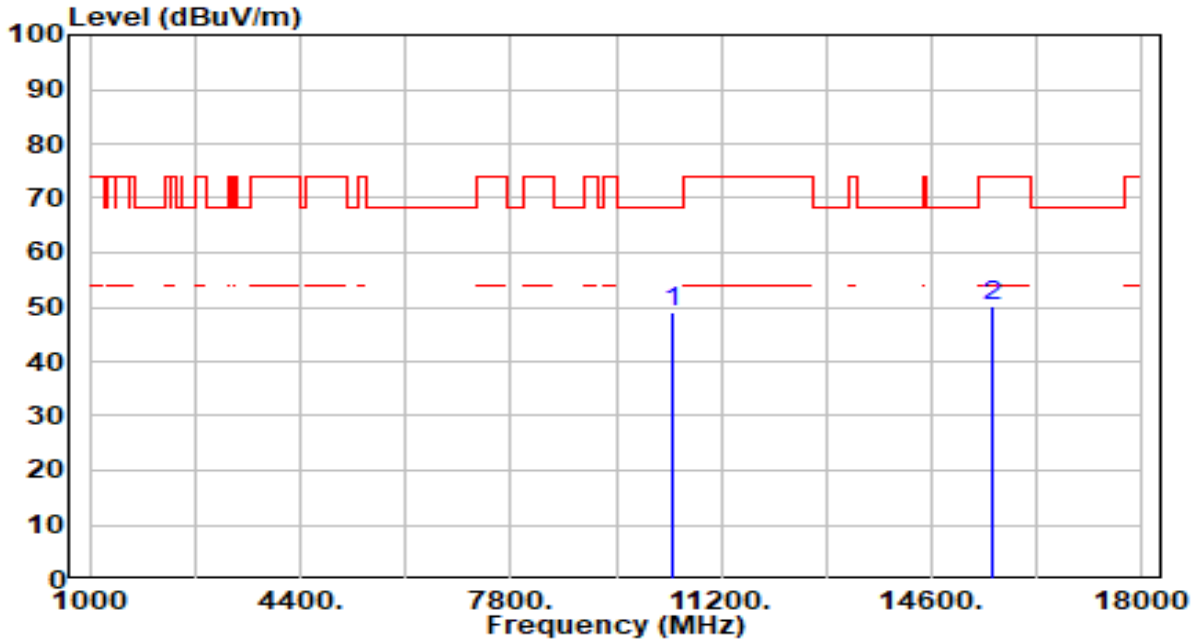


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	46.62	4.87	51.49	-16.71	68.20	300	42	Peak
2		15540.000	44.76	6.21	50.96	-23.04	74.00	100	244	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band1_TX_CH 40 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

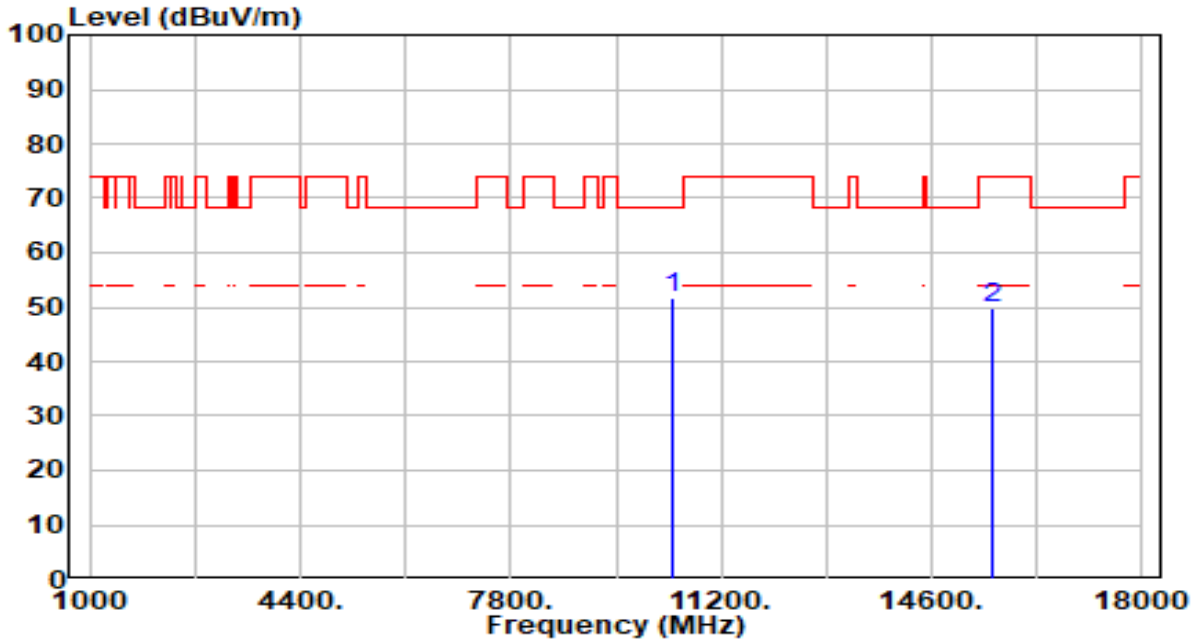


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10400.000	44.15	4.82	48.97	-19.23	68.20	300	212	Peak
2		15600.000	44.20	6.15	50.35	-23.65	74.00	300	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band1_TX_CH 40 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

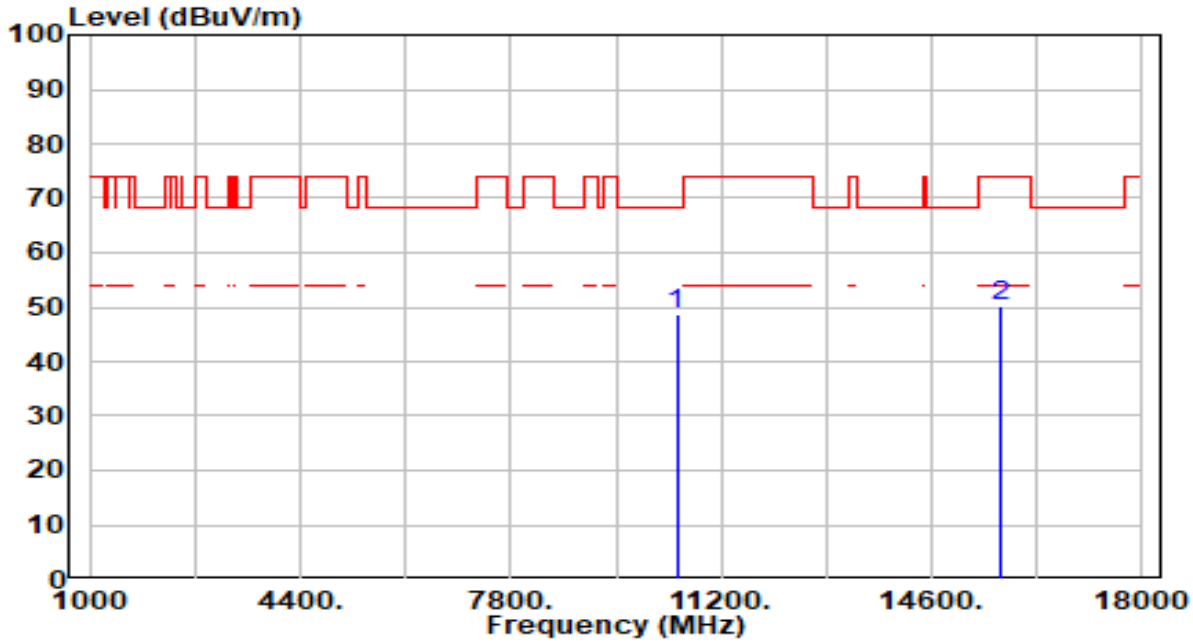


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10400.000	47.05	4.82	51.87	-16.33	68.20	300	0	Peak
2		15600.000	43.80	6.15	49.94	-24.06	74.00	300	272	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band1_TX_CH 48 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

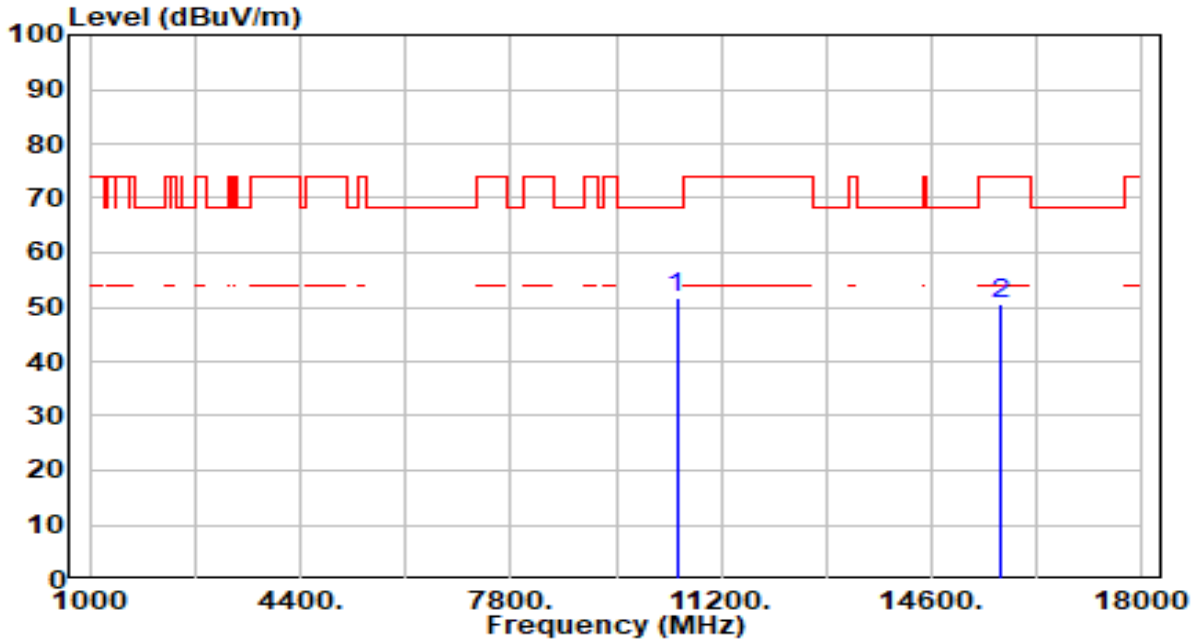


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	44.03	4.71	48.74	-19.46	68.20	300	31	Peak
2		15720.000	43.91	6.39	50.30	-23.70	74.00	300	354	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band1_TX_CH 48 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

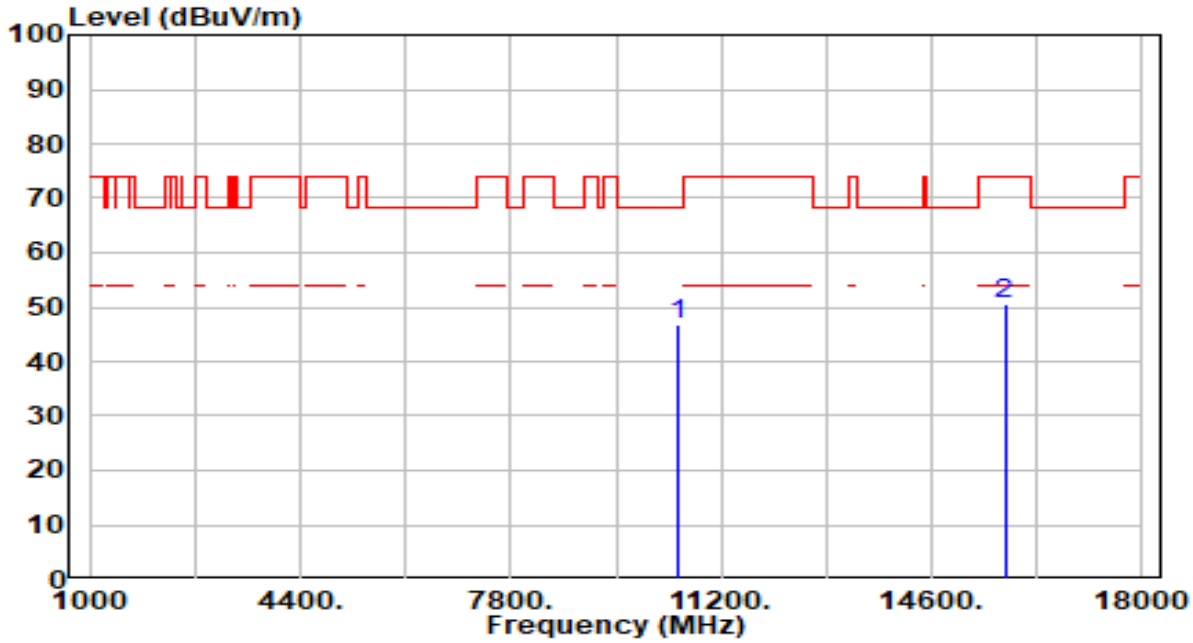


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	46.86	4.71	51.57	-16.63	68.20	300	0	Peak
2		15720.000	44.27	6.39	50.66	-23.34	74.00	300	20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band2_TX_CH 52 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

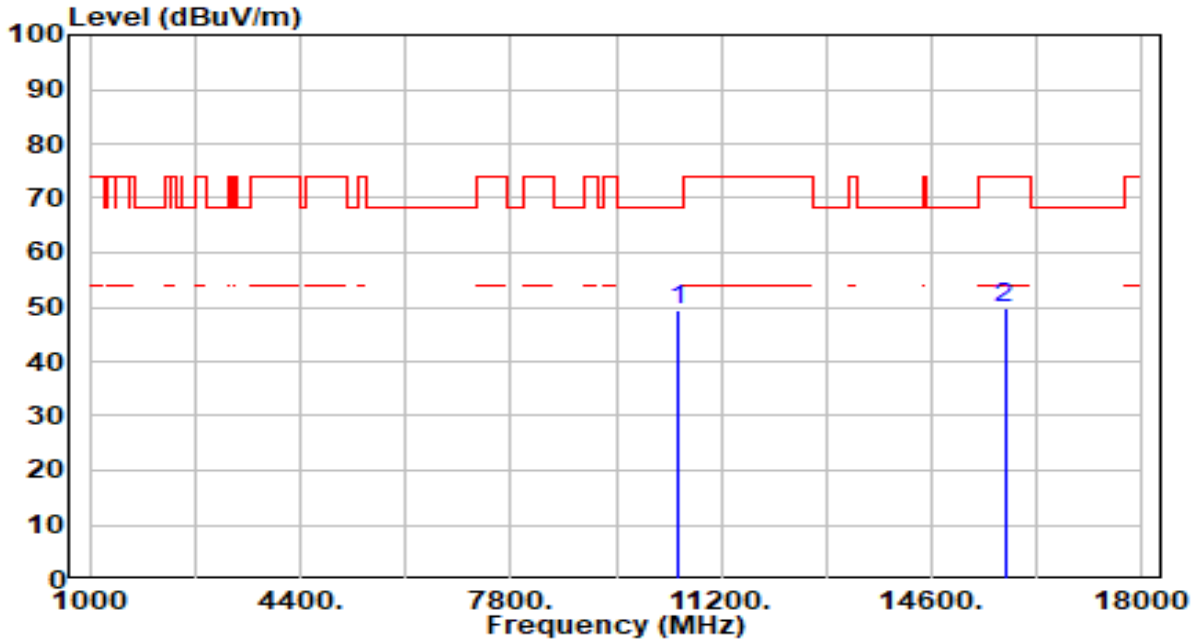


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	42.10	4.67	46.77	-21.43	68.20	300	155	Peak
2		15780.000	44.23	6.51	50.73	-23.27	74.00	300	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band2_TX_CH 52 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

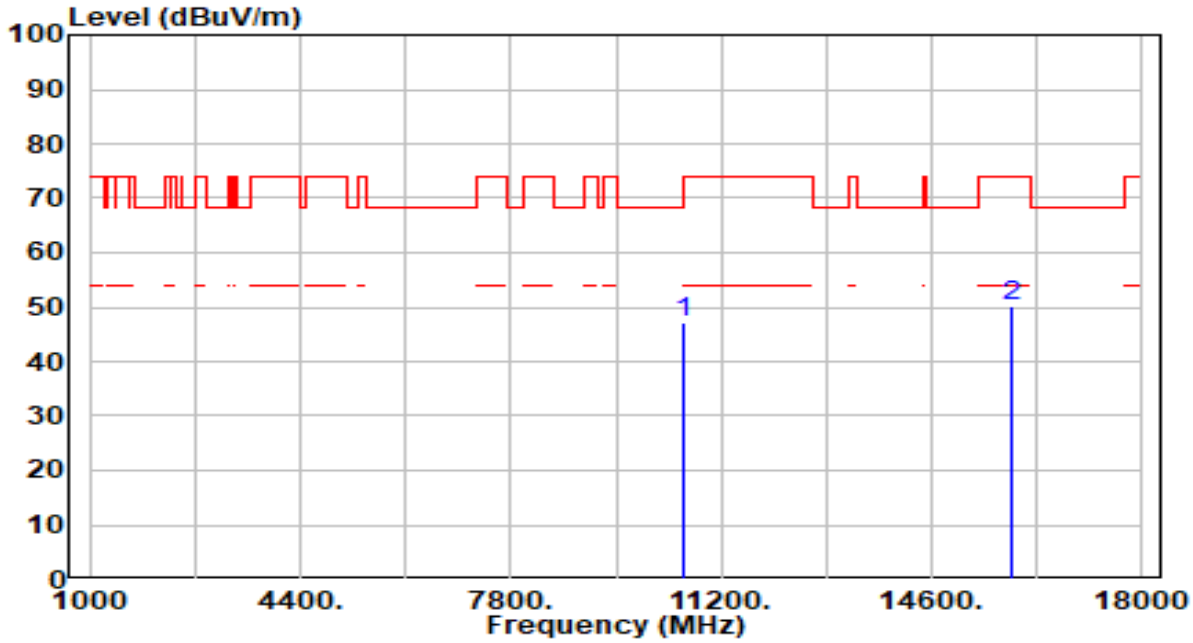


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	44.90	4.67	49.57	-18.63	68.20	300	360	Peak
2		15780.000	43.44	6.51	49.95	-24.05	74.00	300	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band2_TX_CH 60 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

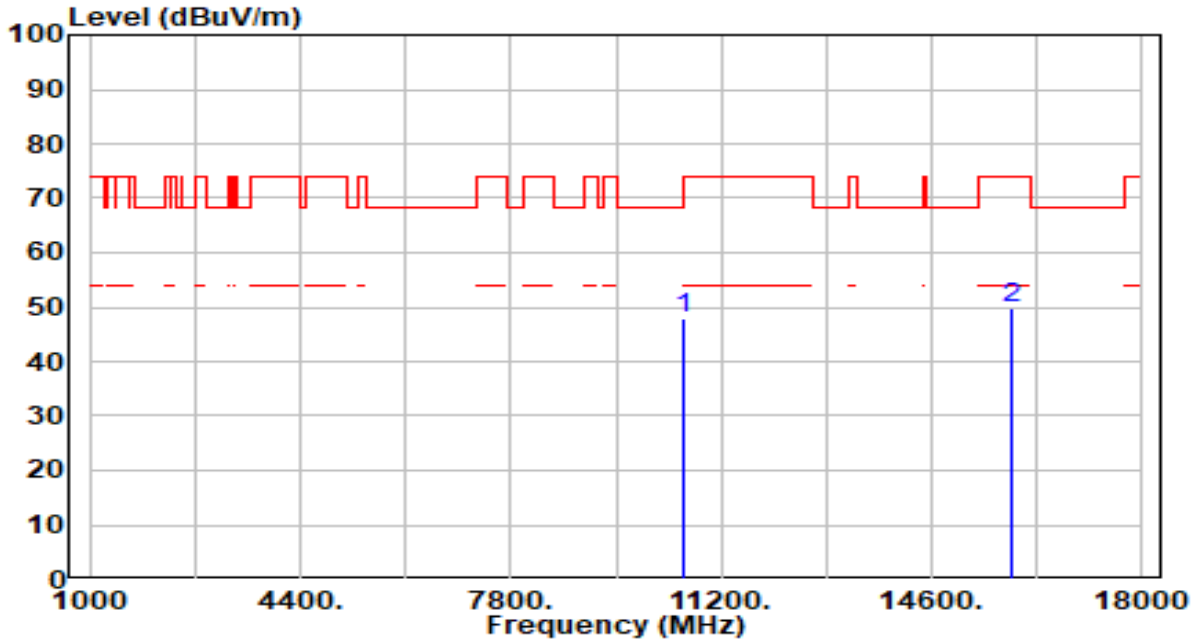


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	42.63	4.61	47.24	-20.96	68.20	300	342	Peak
2		15900.000	43.56	6.55	50.11	-23.89	74.00	300	62	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band2_TX_CH 60 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

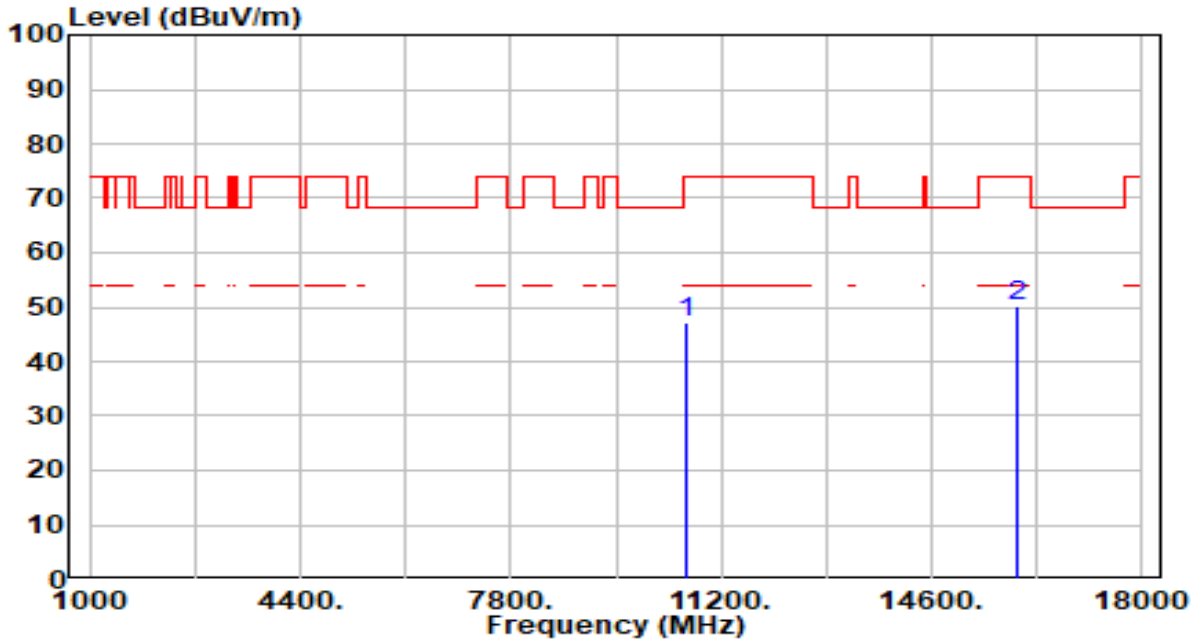


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	43.14	4.61	47.75	-20.45	68.20	300	360	Peak
2		15900.000	43.36	6.55	49.91	-24.09	74.00	300	15	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band2_TX_CH 64 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

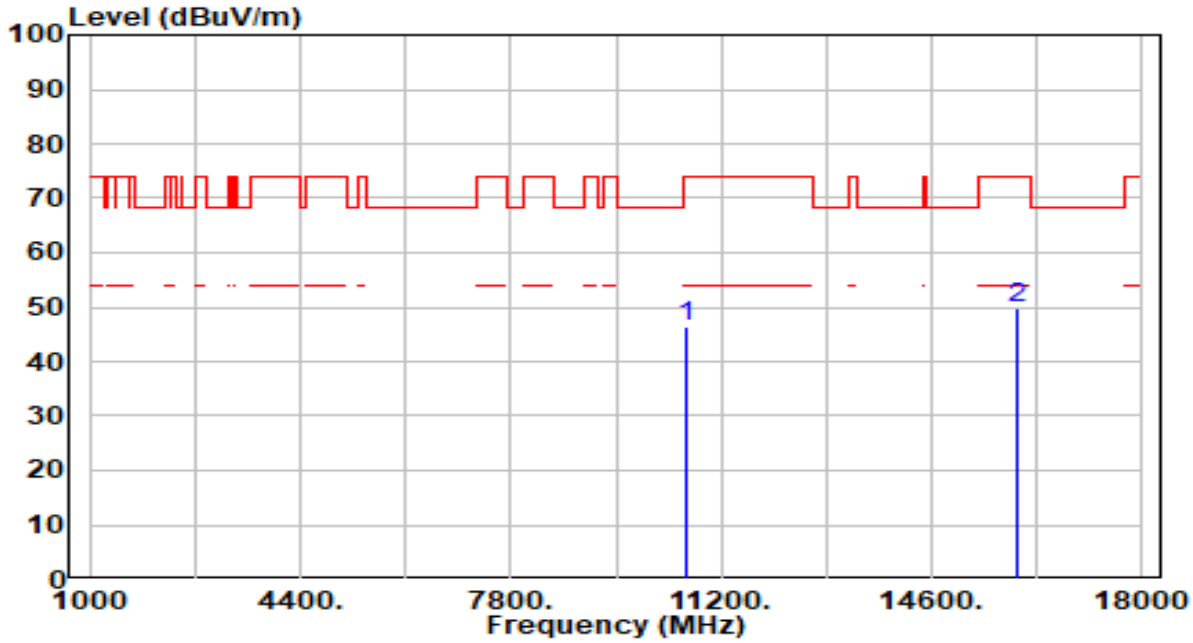


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10640.000	42.58	4.62	47.20	-26.80	74.00	300	246	Peak
2	*	15960.000	43.54	6.55	50.09	-23.91	74.00	300	170	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band2_TX_CH 64 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

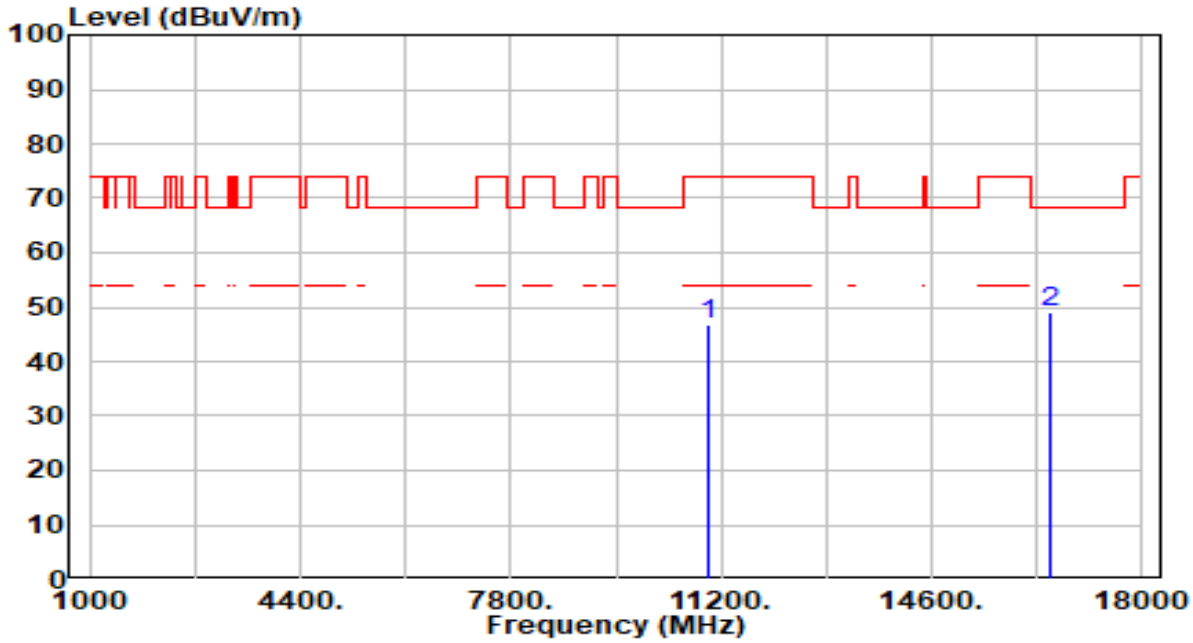


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10640.000	41.95	4.62	46.58	-27.42	74.00	300	68	Peak
2	*	15960.000	43.16	6.55	49.71	-24.29	74.00	300	60	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band3_TX_CH 100 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

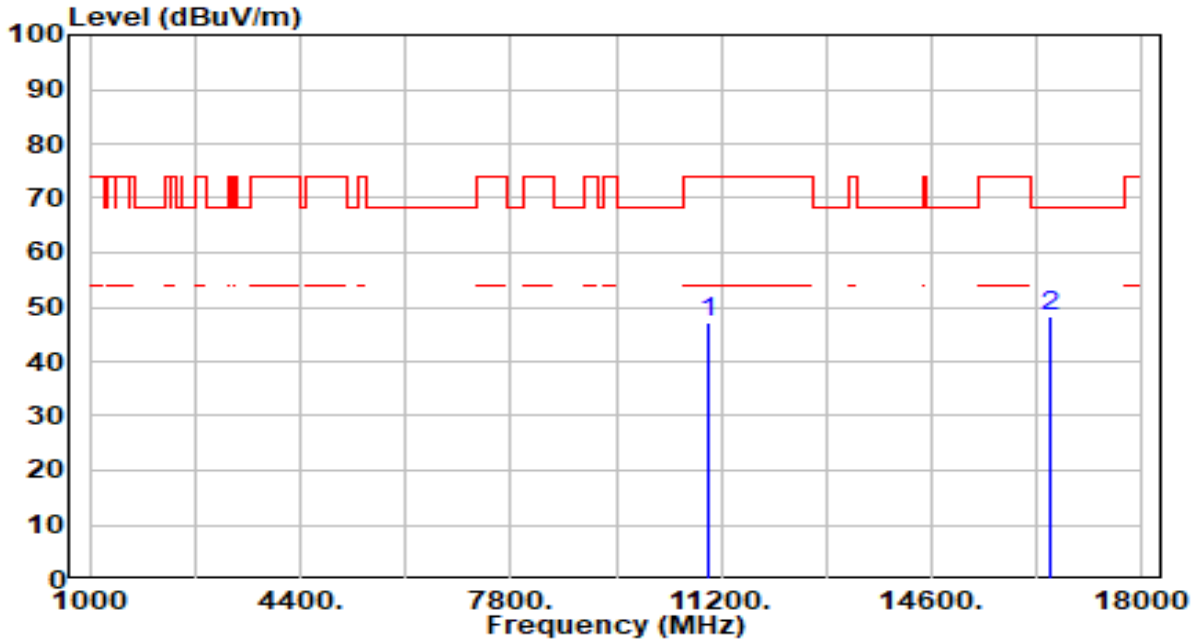


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11000.000	42.10	4.52	46.62	-27.38	74.00	300	172	Peak
2	*	16500.000	42.90	6.10	49.00	-19.20	68.20	300	88	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band3_TX_CH 100 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

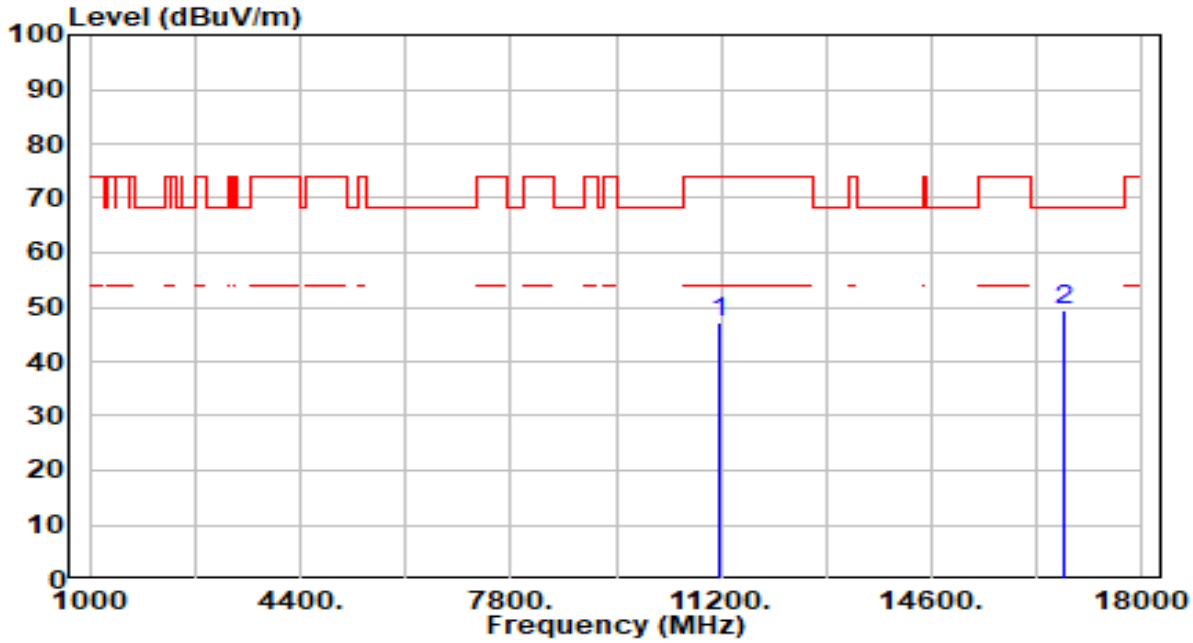


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11000.000	42.49	4.52	47.01	-26.99	74.00	300	96	Peak
2	*	16500.000	42.36	6.10	48.46	-19.74	68.20	300	167	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band3_TX_CH 116 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

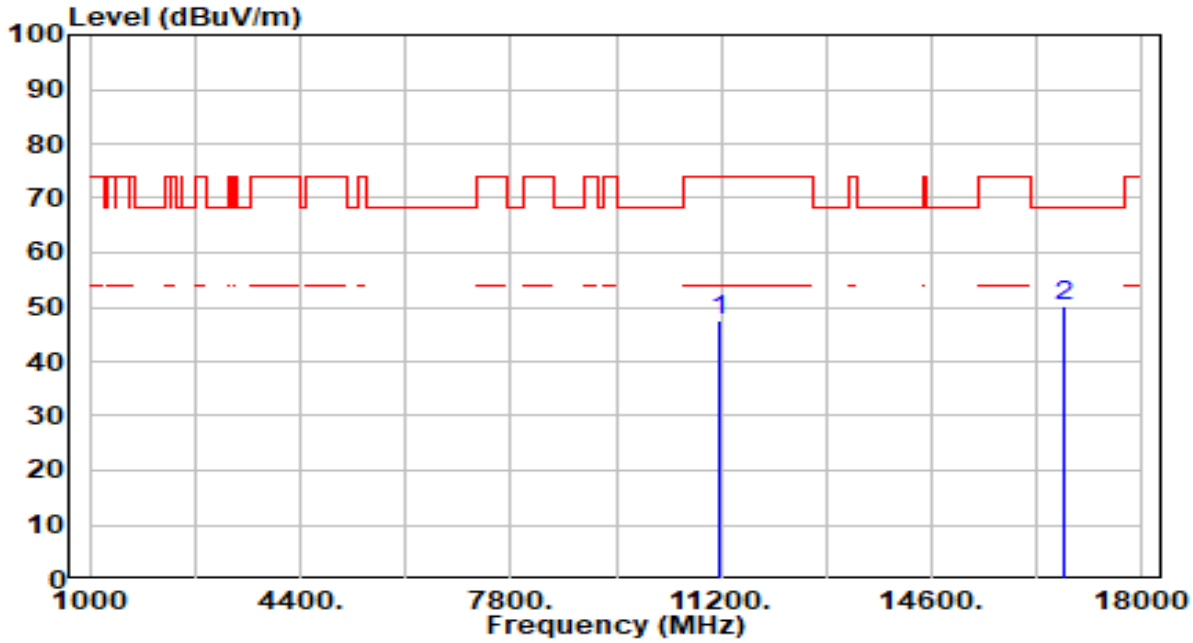


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11160.000	42.17	4.94	47.10	-26.90	74.00	300	187	Peak
2	*	16740.000	43.10	6.19	49.29	-18.91	68.20	300	218	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band3_TX_CH 116 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

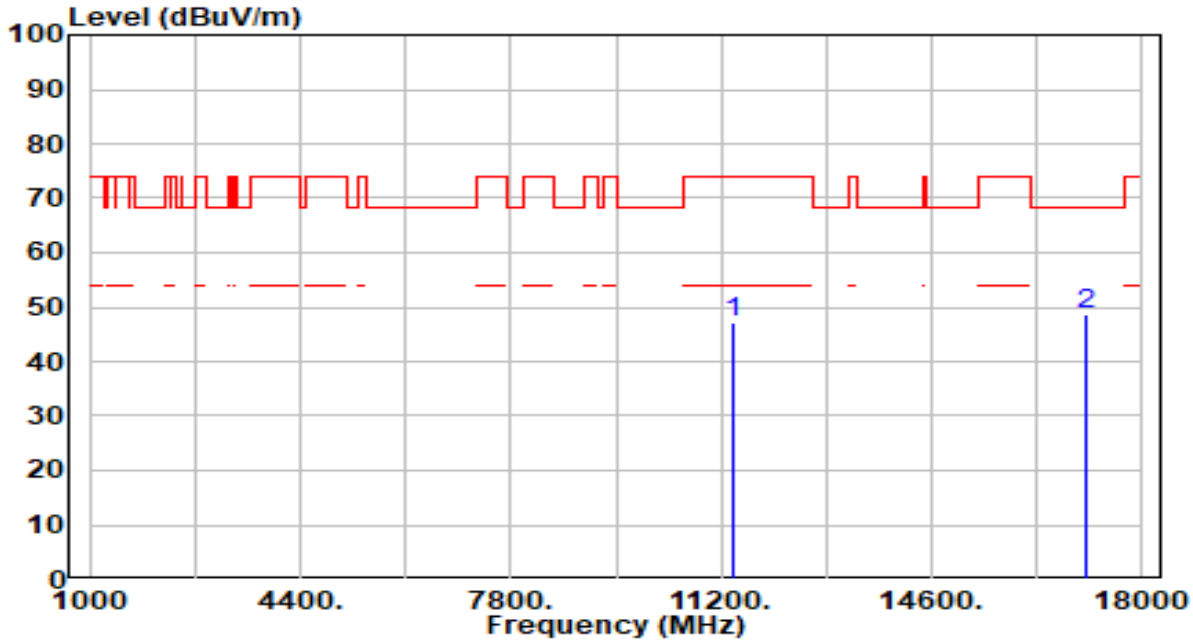


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11160.000	42.42	4.94	47.36	-26.64	74.00	300	61	Peak
2	*	16740.000	43.85	6.19	50.04	-18.16	68.20	300	335	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band3_TX_CH 140 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

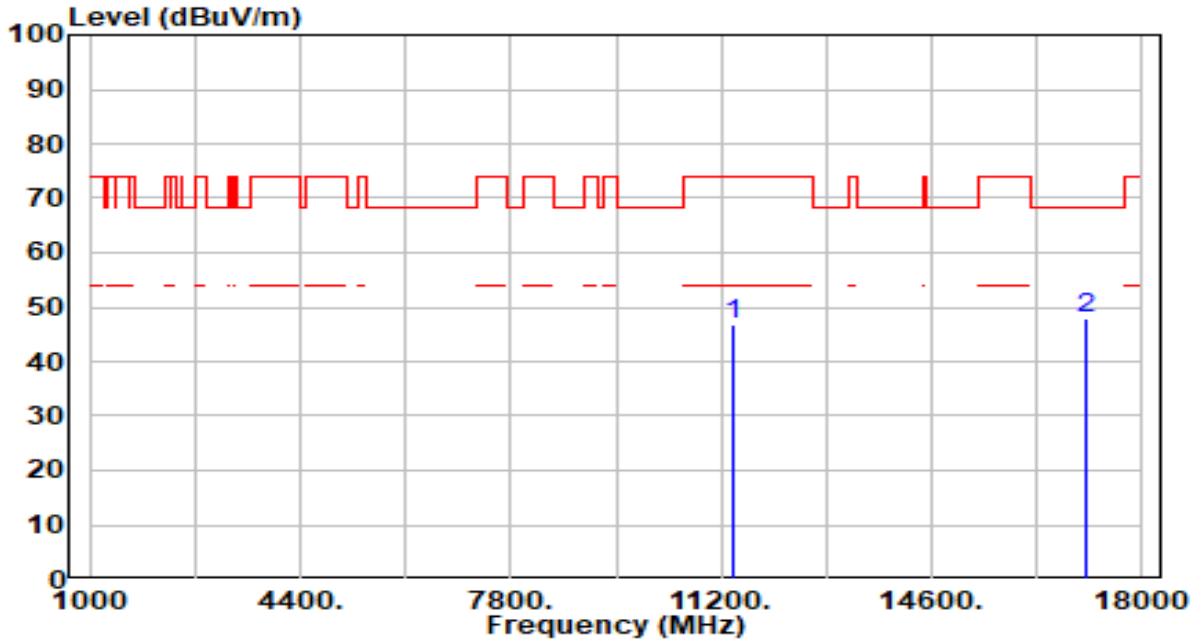


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11400.000	41.90	5.26	47.16	-26.84	74.00	300	192	Peak
2	*	17100.000	42.76	5.97	48.74	-19.46	68.20	300	260	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band3_TX_CH 140 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

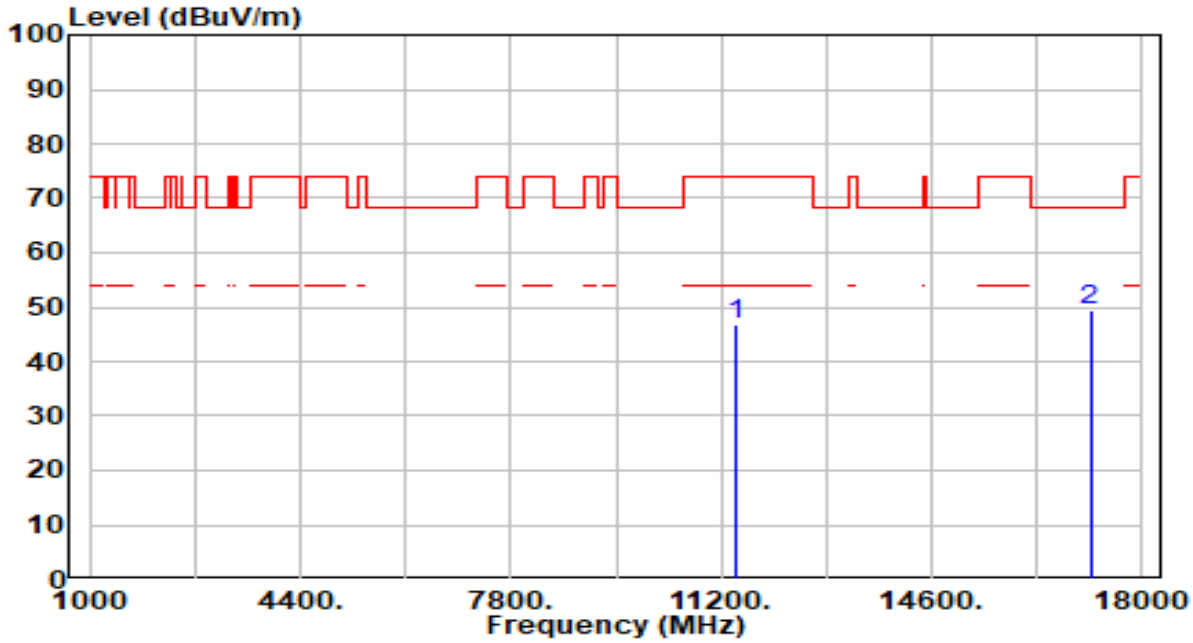


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11400.000	41.65	5.26	46.91	-27.09	74.00	300	193	Peak
2	*	17100.000	42.10	5.97	48.08	-20.12	68.20	300	97	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band3_TX_CH 144 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

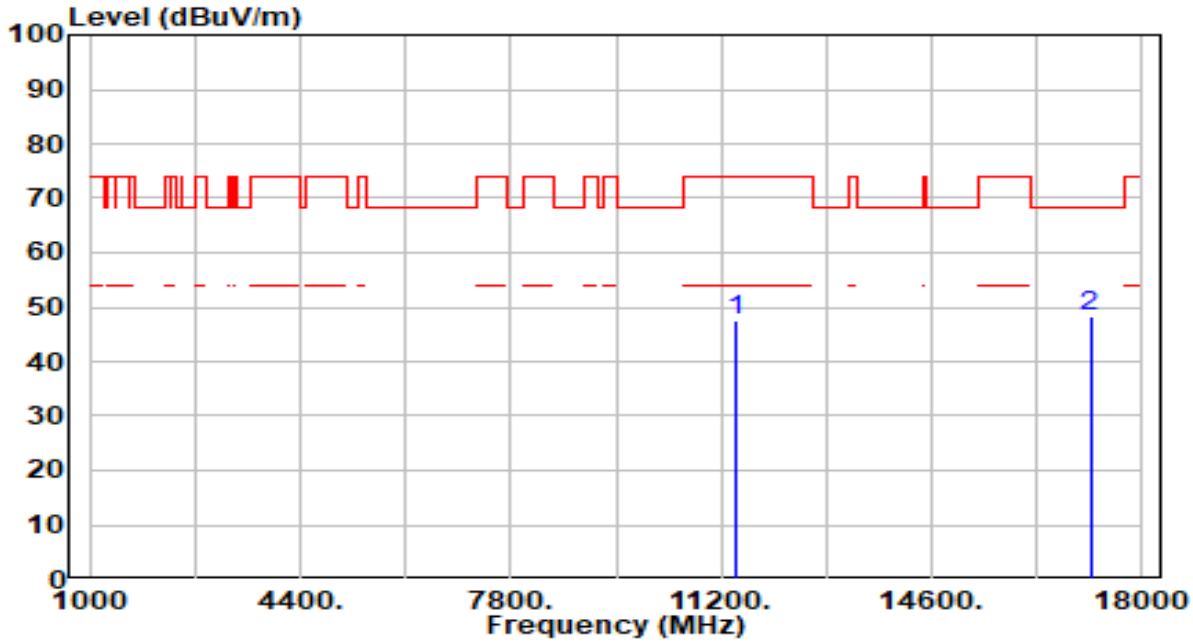


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11440.000	41.41	5.29	46.70	-27.30	74.00	300	0	Peak
2	*	17160.000	43.47	5.87	49.34	-18.86	68.20	300	158	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band3_TX_CH 144 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

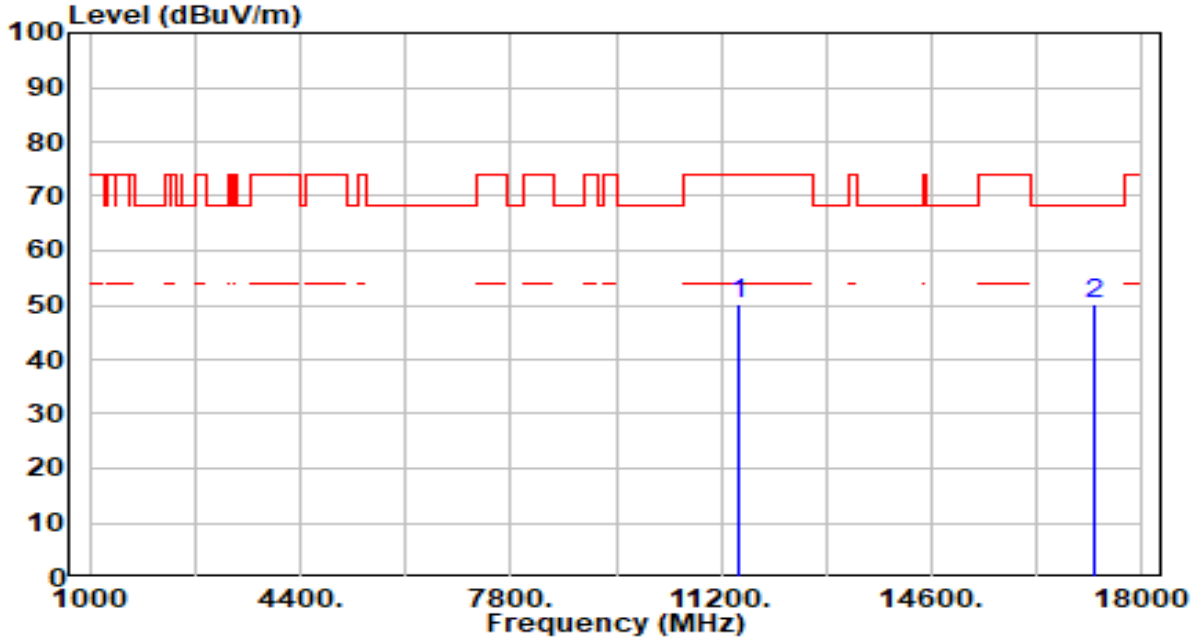


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11440.000	42.37	5.29	47.66	-26.34	74.00	300	35	Peak
2	*	17160.000	42.27	5.87	48.14	-20.06	68.20	300	91	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band4_TX_CH 149 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

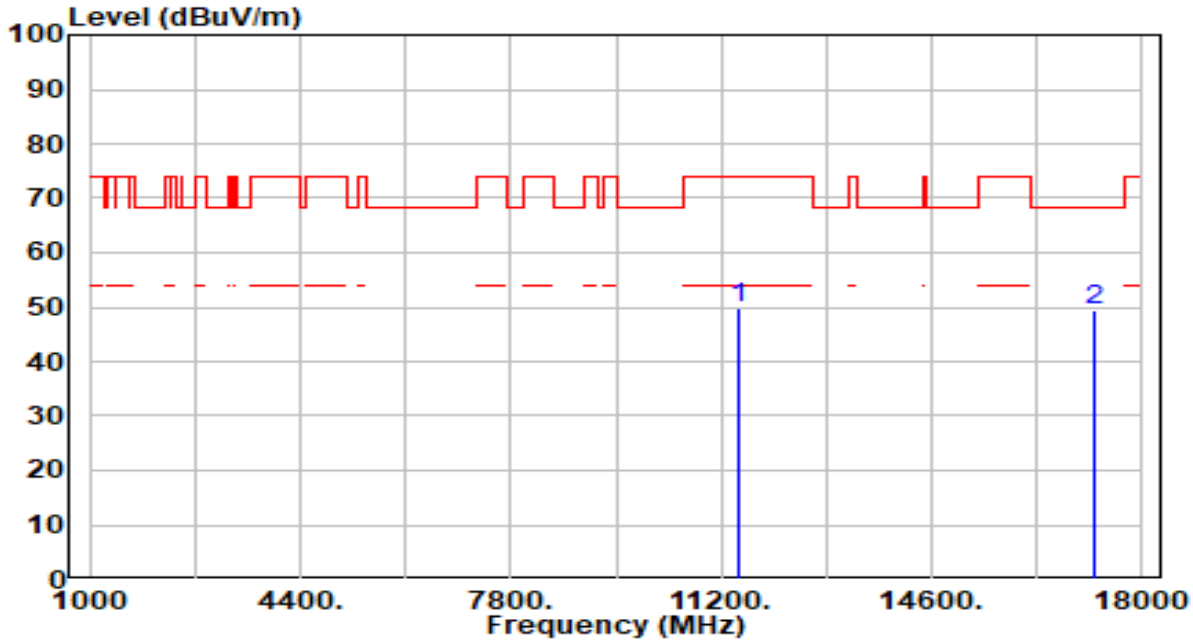


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	44.75	5.32	50.07	-23.93	74.00	300	136	Peak
2	*	17235.000	44.63	5.71	50.34	-17.86	68.20	300	113	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band4_TX_CH 149 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

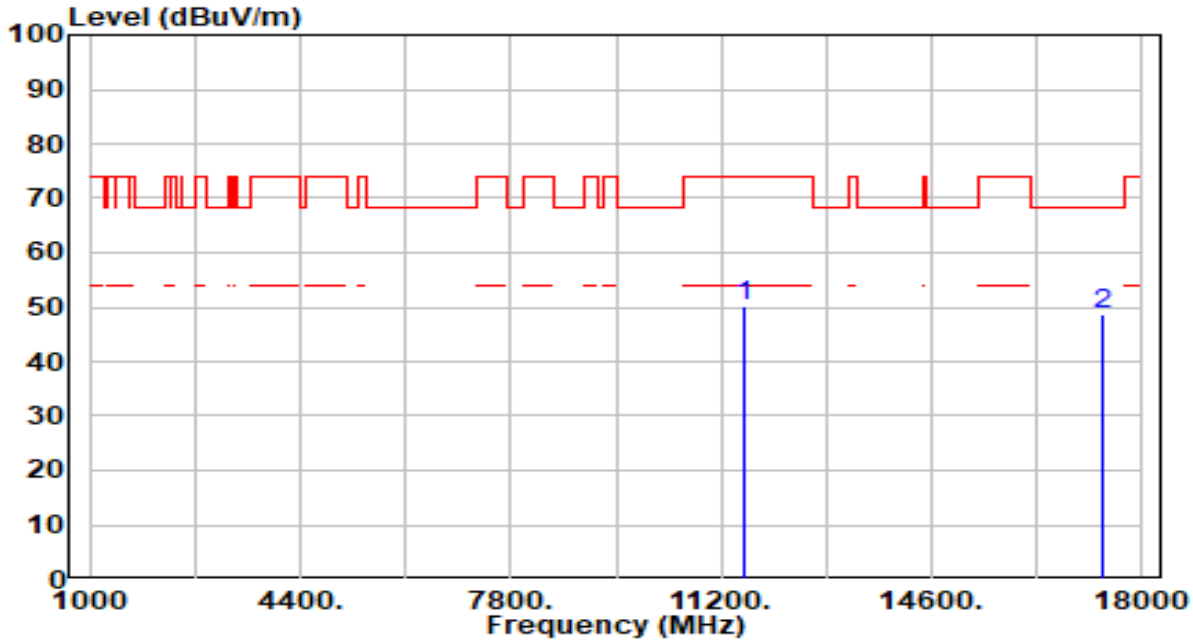


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	44.66	5.32	49.98	-24.02	74.00	300	122	Peak
2	*	17235.000	43.55	5.71	49.26	-18.94	68.20	300	5	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band4_TX_CH 157 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

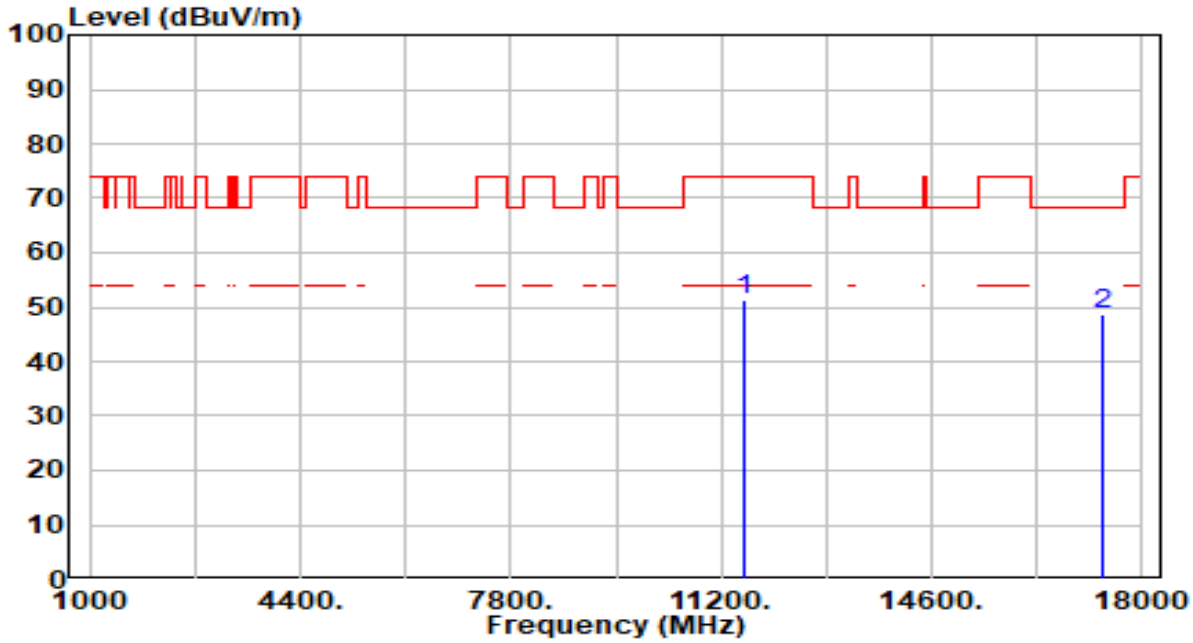


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11570.000	44.65	5.38	50.03	-23.97	74.00	300	280	Peak
2	*	17355.000	43.17	5.39	48.56	-19.64	68.20	300	298	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band4_TX_CH 157 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

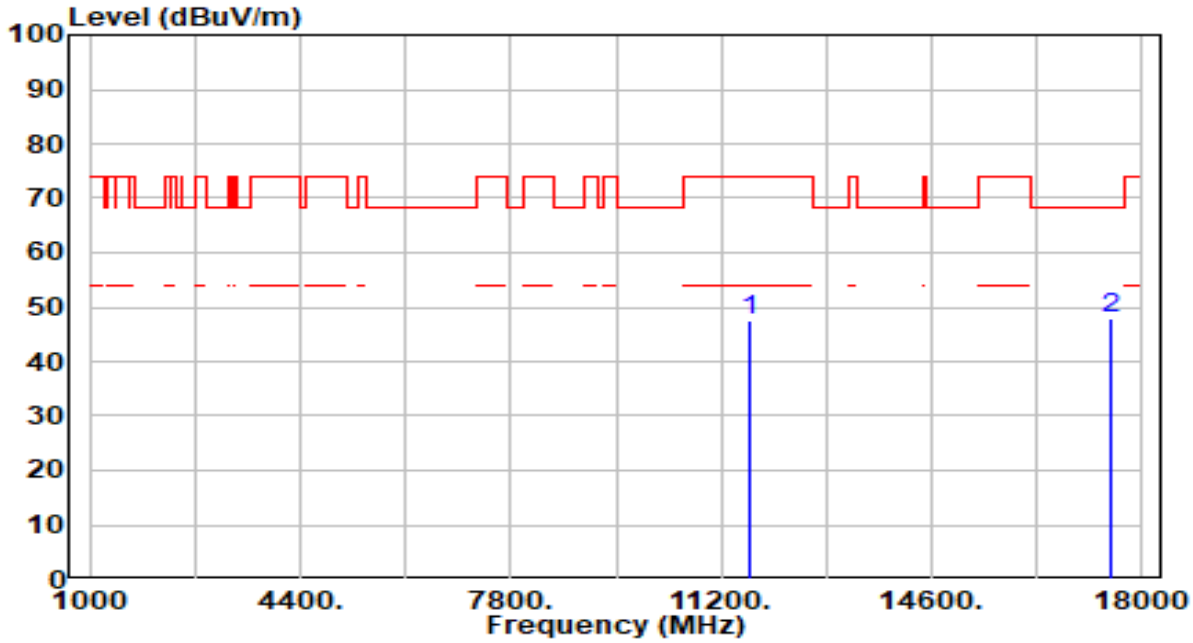


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11570.000	45.82	5.38	51.20	-22.80	74.00	300	229	Peak
2	*	17355.000	43.22	5.39	48.61	-19.59	68.20	300	96	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band4_TX_CH 165 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

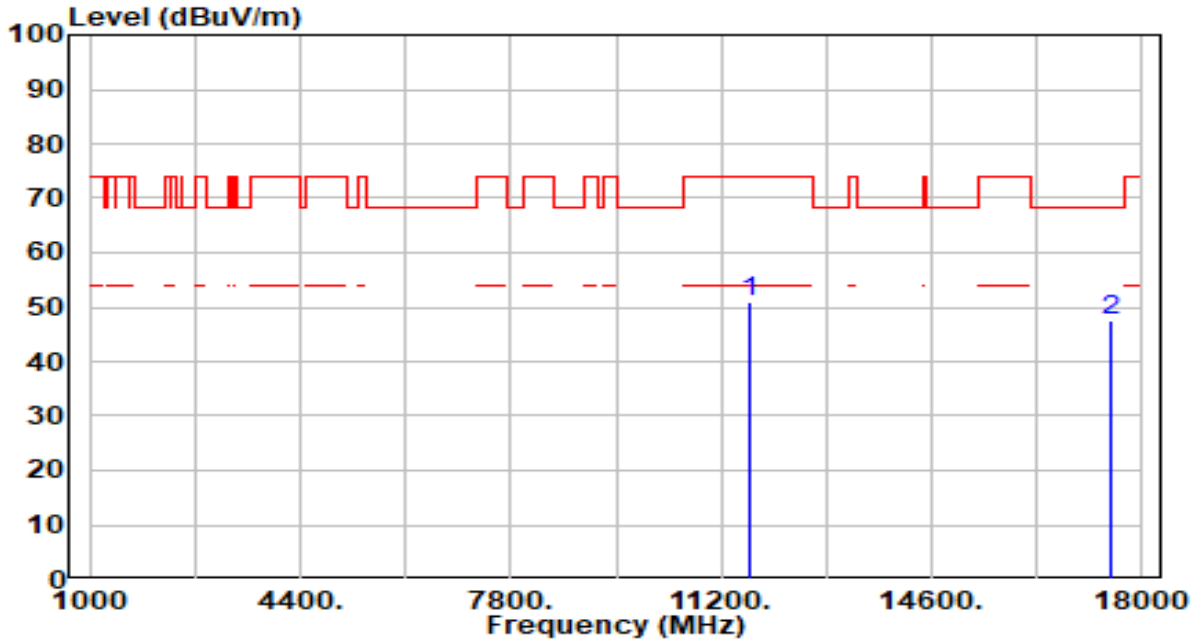


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11650.000	42.28	5.36	47.64	-26.36	74.00	300	335	Peak
2	*	17475.000	42.82	5.29	48.11	-20.09	68.20	300	327	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11a_Band4_TX_CH 165 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

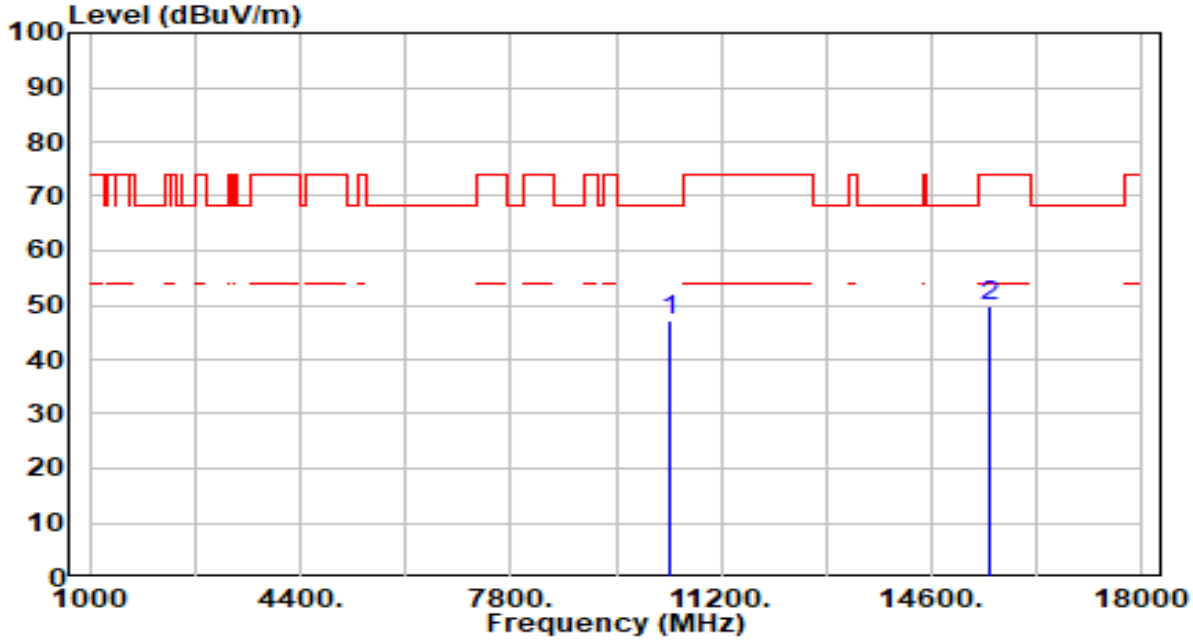


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11650.000	45.55	5.36	50.91	-23.09	74.00	300	235	Peak
2	*	17475.000	42.27	5.29	47.56	-20.64	68.20	300	11	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band1_TX_CH 36 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

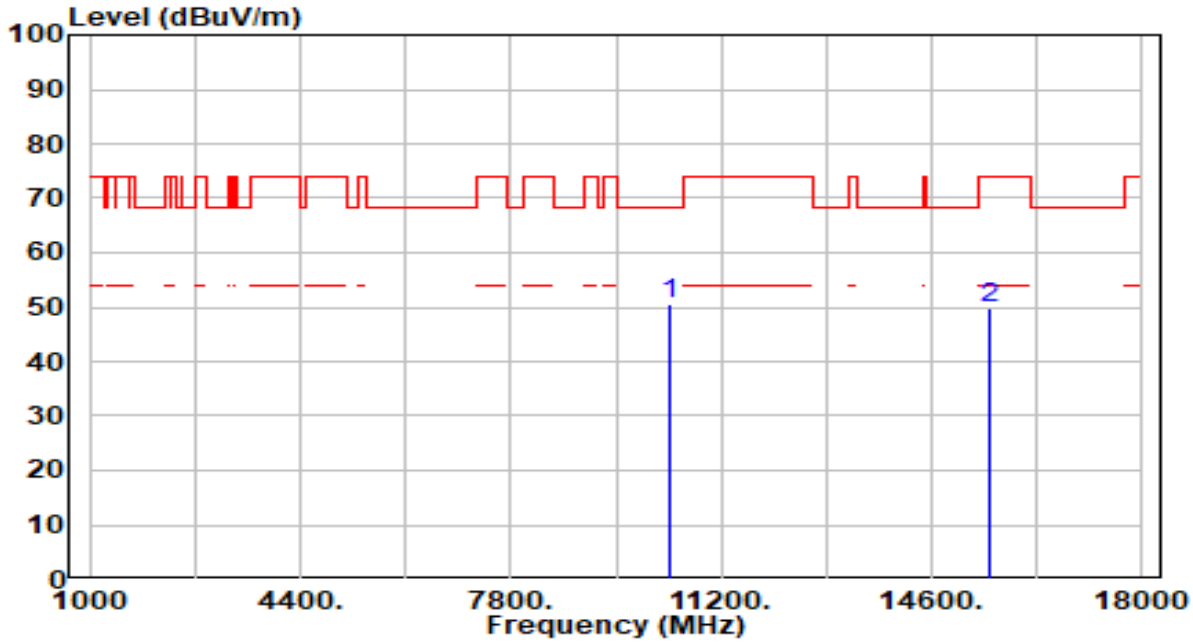


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	42.23	4.87	47.10	-21.10	68.20	300	209	Peak
2		15540.000	43.65	6.21	49.85	-24.15	74.00	300	93	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band1_TX_CH 36 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

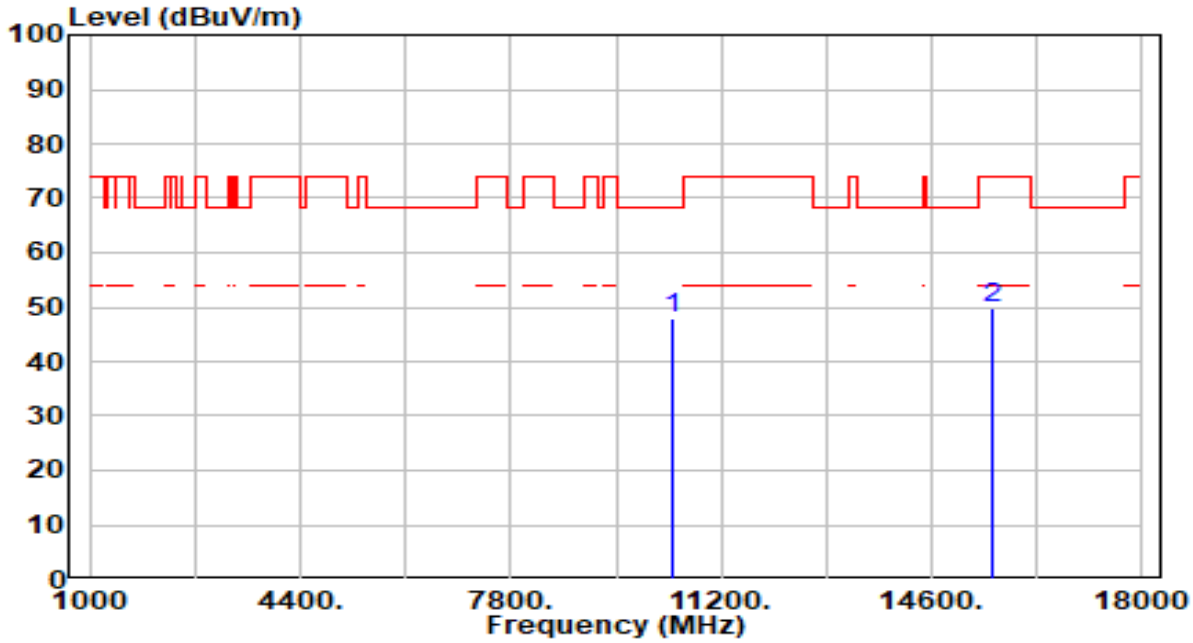


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10360.000	45.58	4.87	50.45	-17.75	68.20	300	42	Peak
2		15540.000	43.52	6.21	49.72	-24.28	74.00	300	76	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band1_TX_CH 40 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

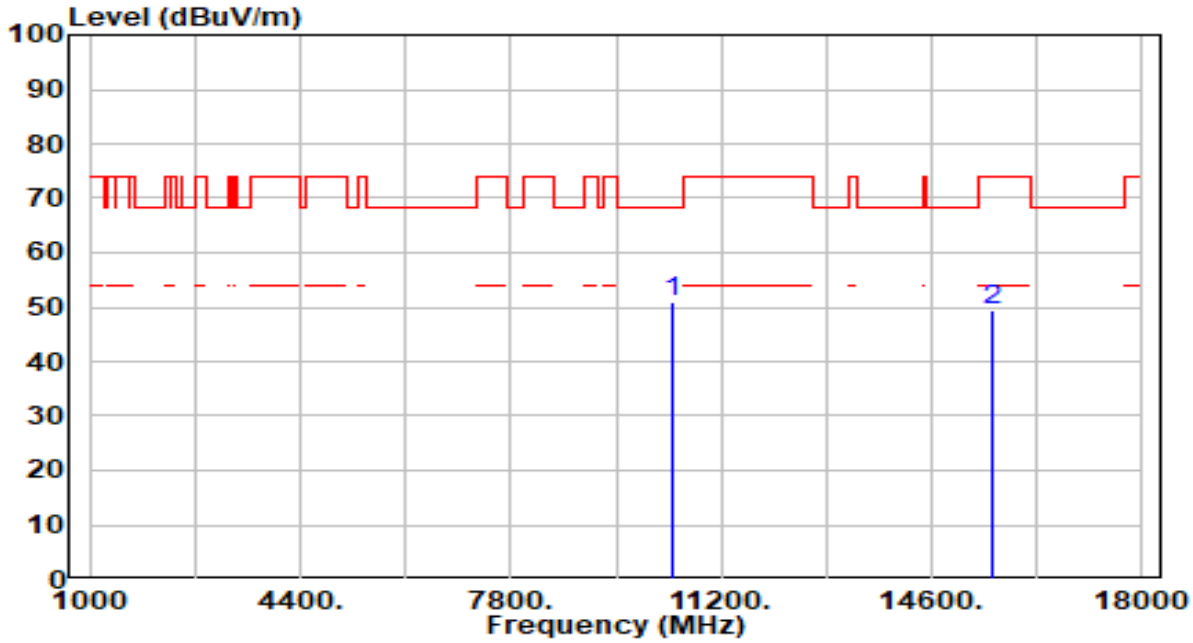


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10400.000	43.20	4.82	48.02	-20.18	68.20	300	34	Peak
2		15600.000	43.73	6.15	49.88	-24.12	74.00	300	349	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band1_TX_CH 40 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

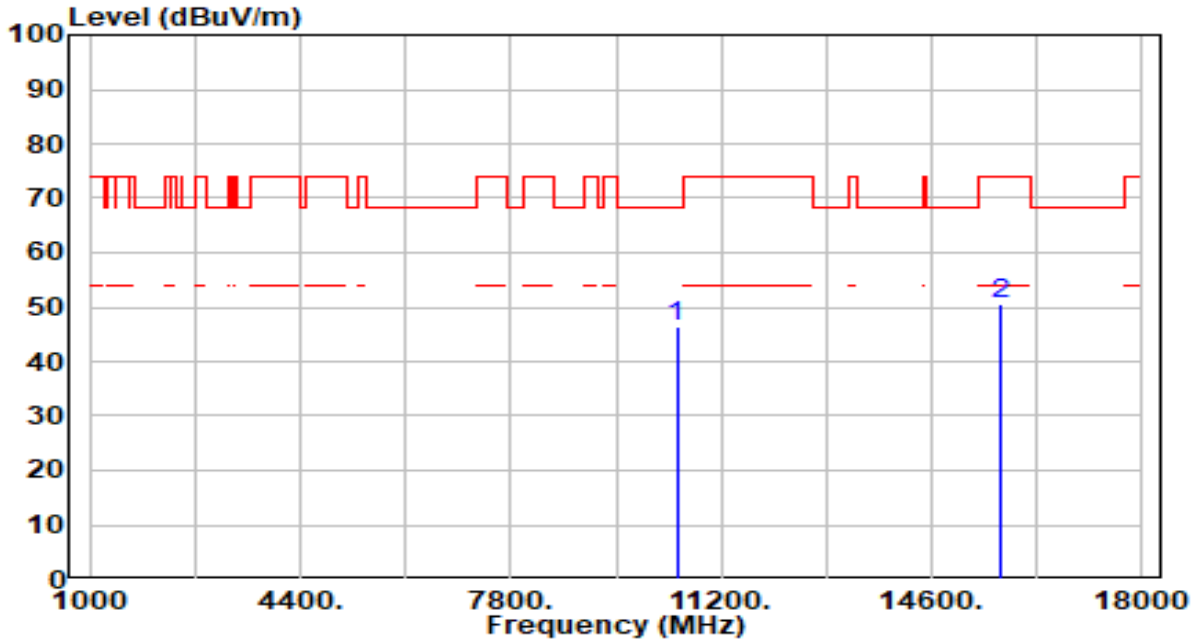


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10400.000	46.15	4.82	50.97	-17.23	68.20	300	360	Peak
2		15600.000	43.26	6.15	49.41	-24.59	74.00	300	31	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band1_TX_CH 48 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

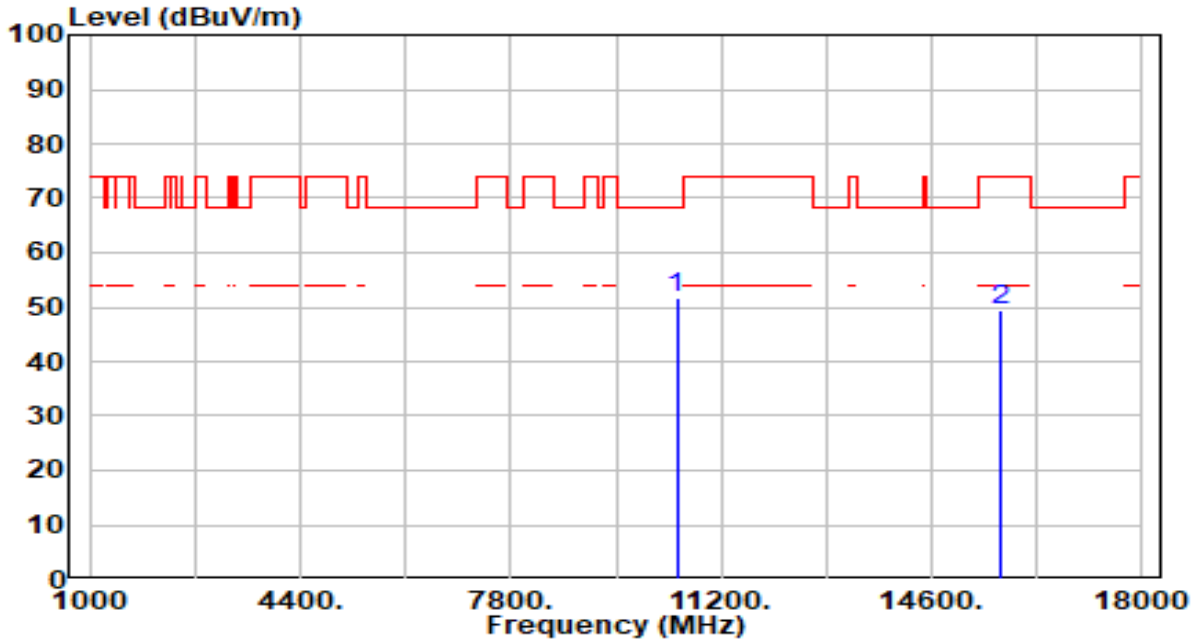


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	41.81	4.71	46.53	-21.67	68.20	300	23	Peak
2		15720.000	44.18	6.39	50.57	-23.43	74.00	300	31	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band1_TX_CH 48 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

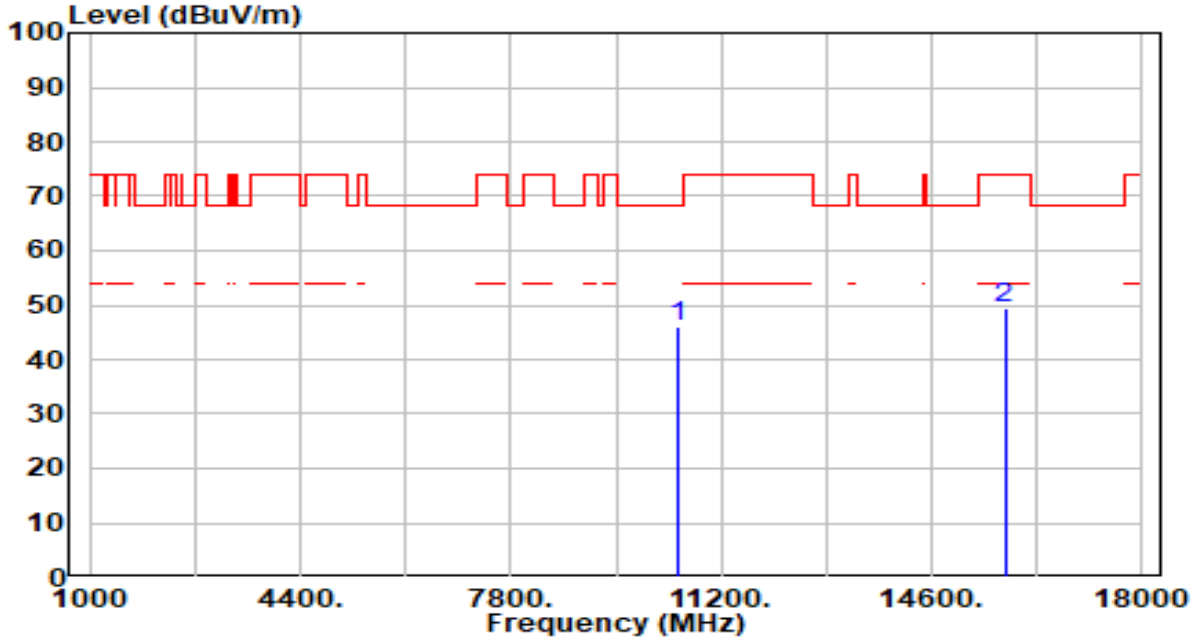


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10480.000	47.05	4.71	51.76	-16.44	68.20	300	301	Peak
2		15720.000	43.22	6.39	49.61	-24.39	74.00	300	173	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band2_TX_CH 52 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

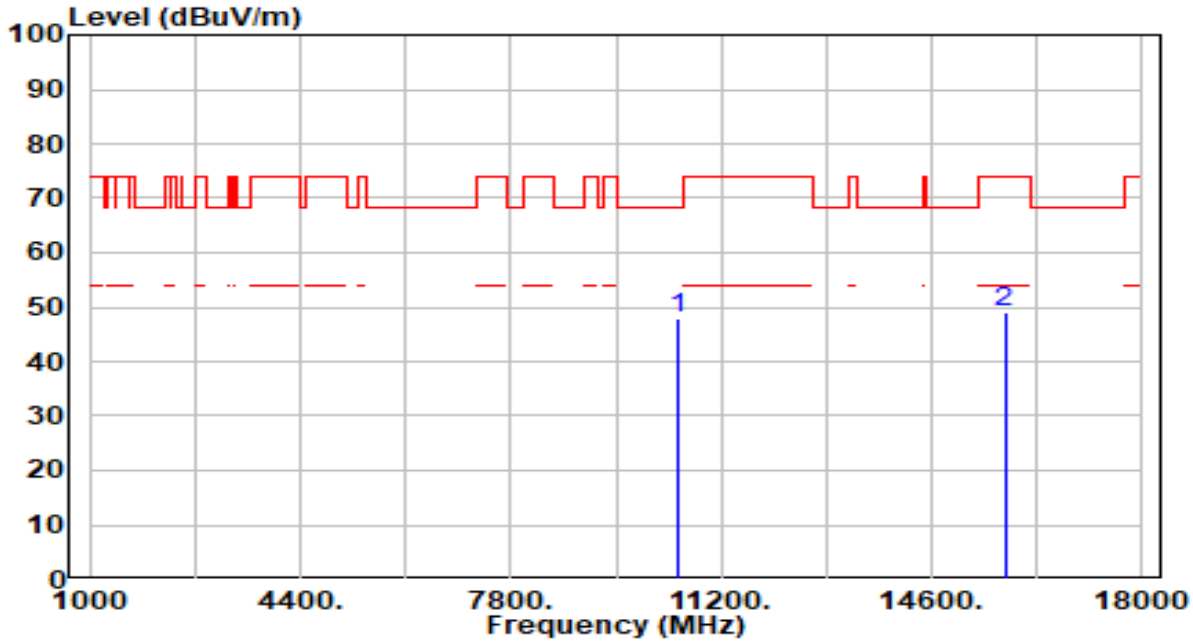


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	41.32	4.67	45.99	-22.21	68.20	300	322	Peak
2		15780.000	42.76	6.51	49.27	-24.73	74.00	300	108	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band2_TX_CH 52 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

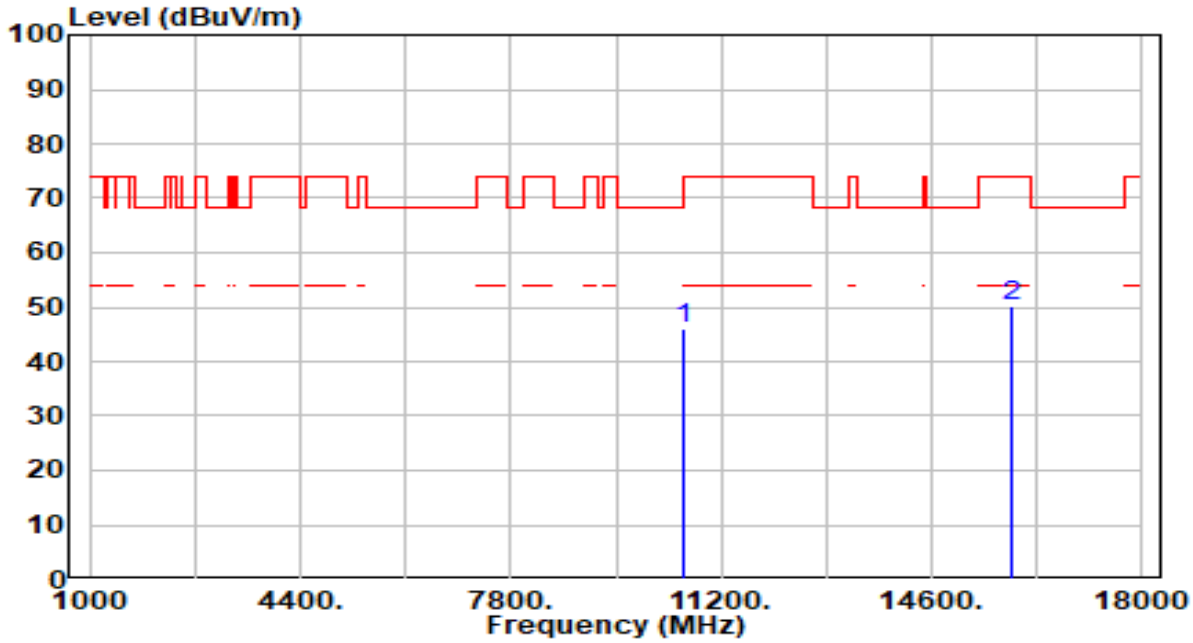


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10520.000	43.38	4.67	48.05	-20.15	68.20	300	175	Peak
2		15780.000	42.68	6.51	49.19	-24.81	74.00	300	238	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band2_TX_CH 60 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

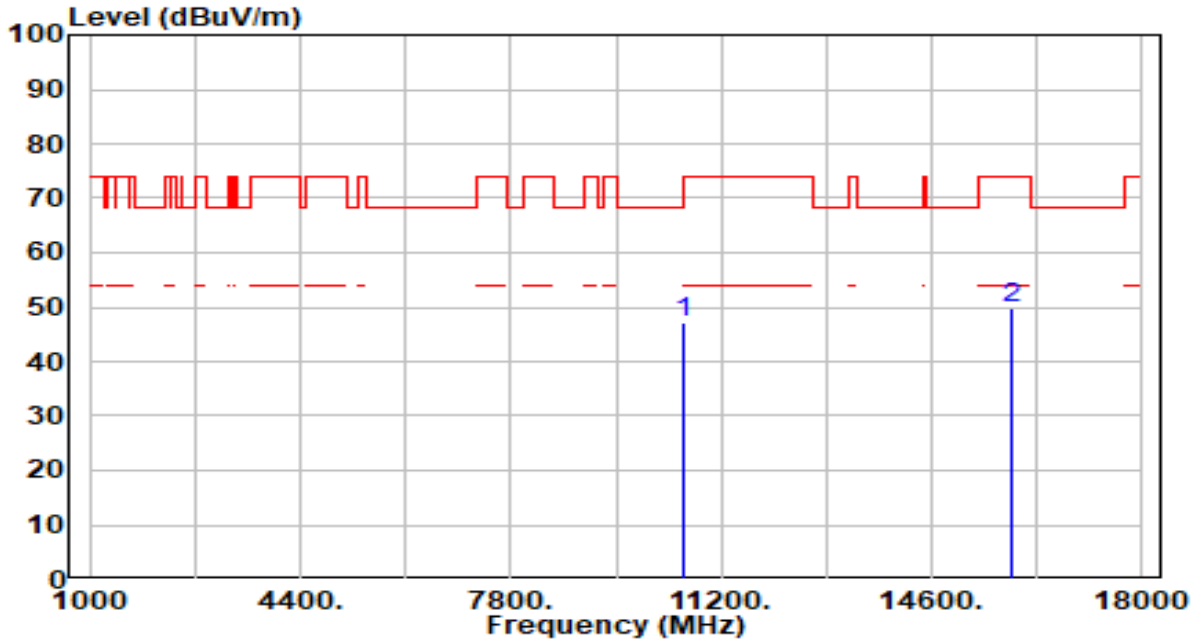


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	41.40	4.61	46.01	-22.19	68.20	300	34	Peak
2		15900.000	43.46	6.55	50.01	-23.99	74.00	300	176	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band2_TX_CH 60 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

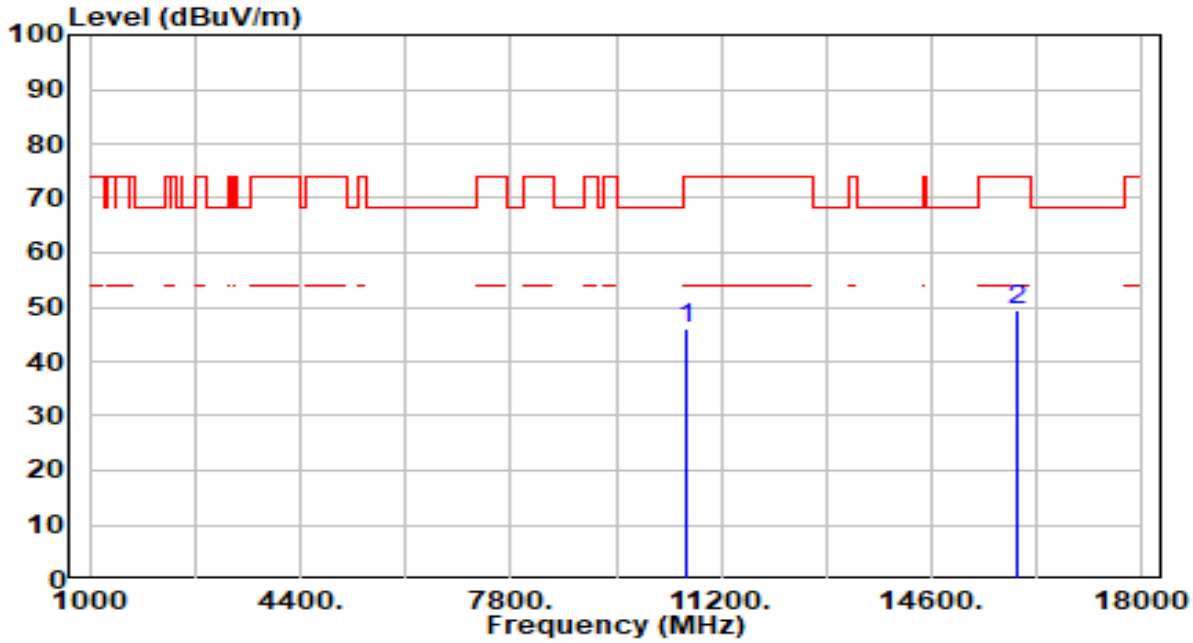


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10600.000	42.49	4.61	47.10	-21.10	68.20	300	264	Peak
2		15900.000	43.39	6.55	49.94	-24.06	74.00	300	255	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band2_TX_CH 64 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

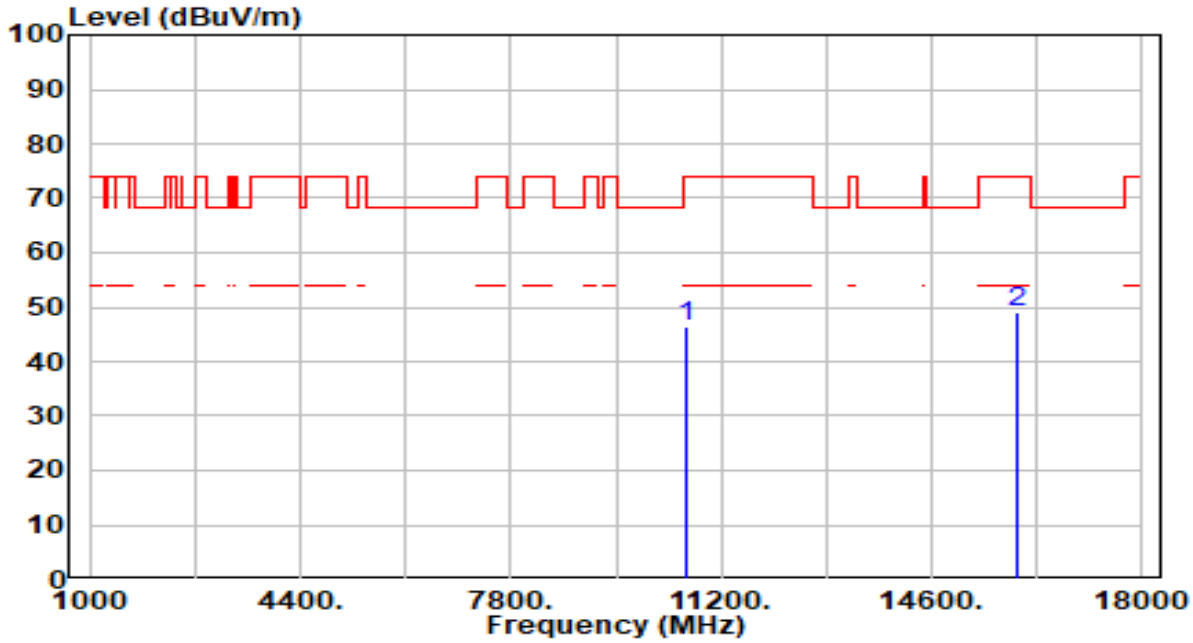


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10640.000	41.40	4.62	46.02	-27.98	74.00	300	176	Peak
2	*	15960.000	42.77	6.55	49.32	-24.68	74.00	300	65	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band2_TX_CH 64 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

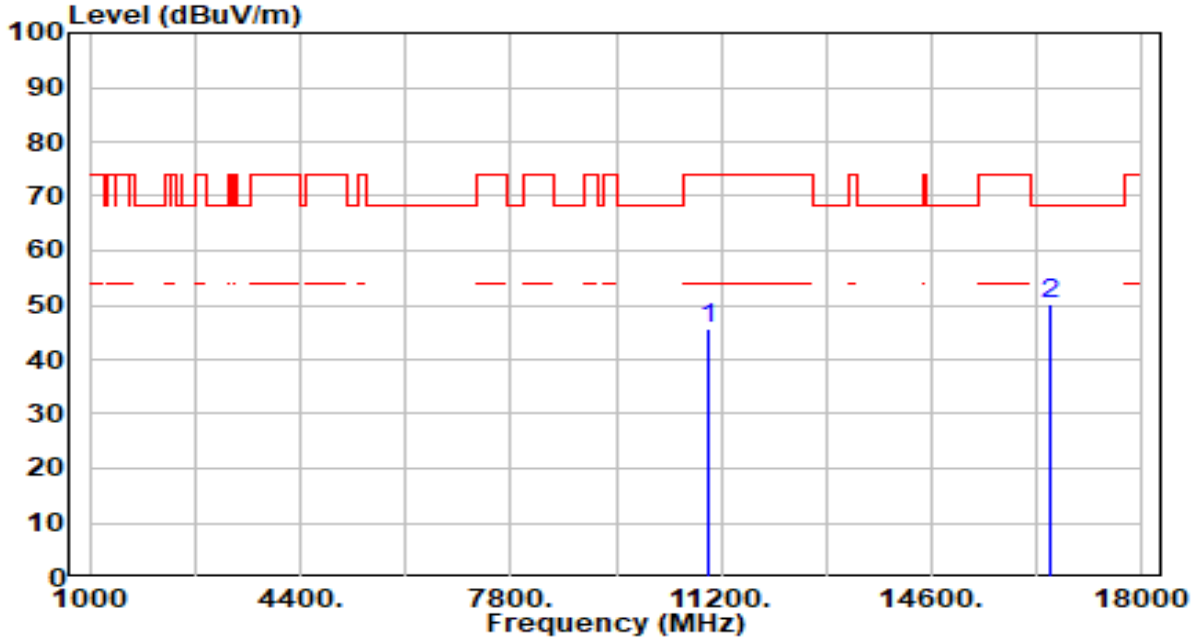


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		10640.000	41.78	4.62	46.40	-27.60	74.00	300	144	Peak
2	*	15960.000	42.63	6.55	49.18	-24.82	74.00	300	138	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band3_TX_CH 100 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

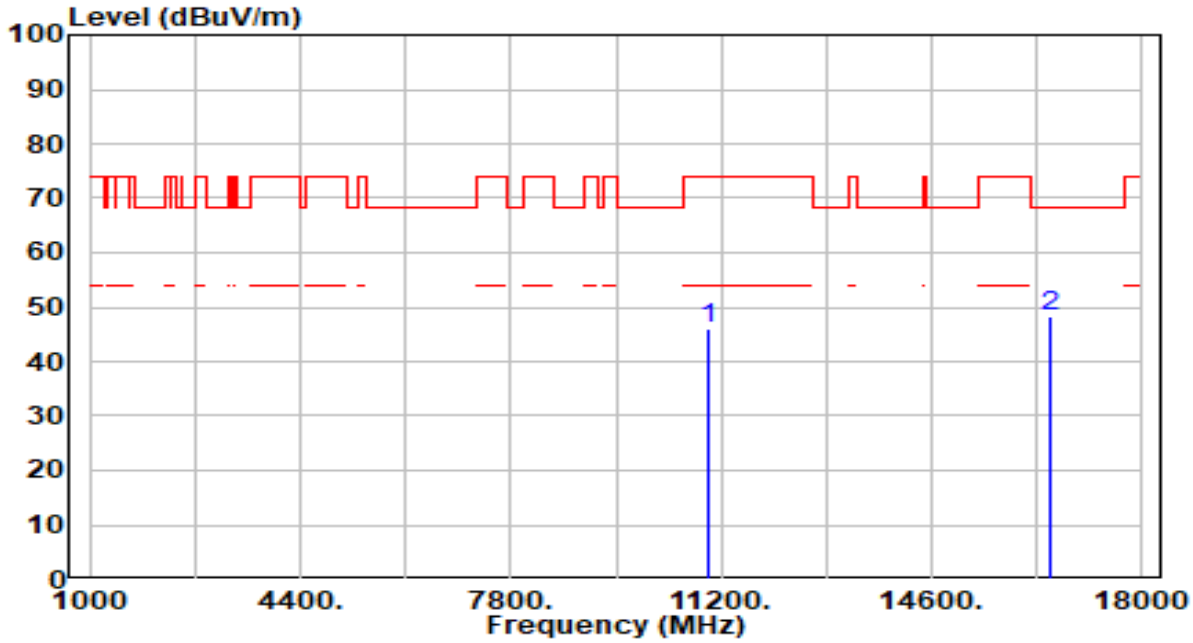


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11000.000	41.06	4.52	45.58	-28.42	74.00	300	247	Peak
2	*	16500.000	44.26	6.10	50.36	-17.84	68.20	300	148	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band3_TX_CH 100 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

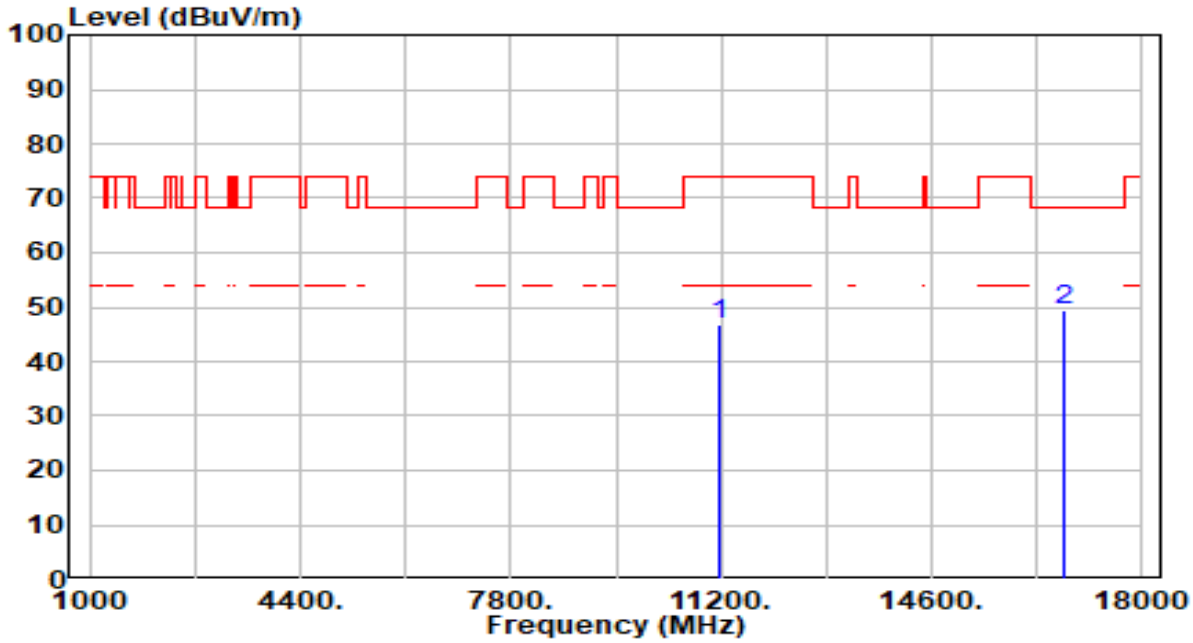


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11000.000	41.61	4.52	46.13	-27.87	74.00	300	343	Peak
2	*	16500.000	42.13	6.10	48.23	-19.97	68.20	300	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band3_TX_CH 116 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

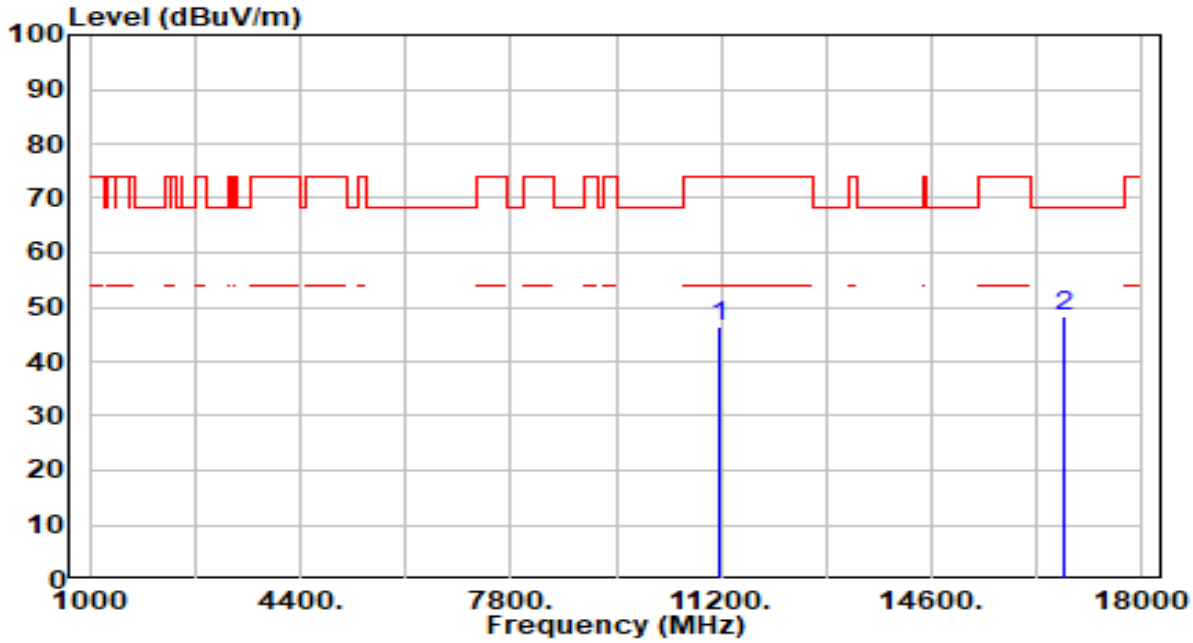


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11160.000	41.80	4.94	46.74	-27.26	74.00	300	328	Peak
2	*	16740.000	43.12	6.19	49.31	-18.89	68.20	300	334	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band3_TX_CH 116 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

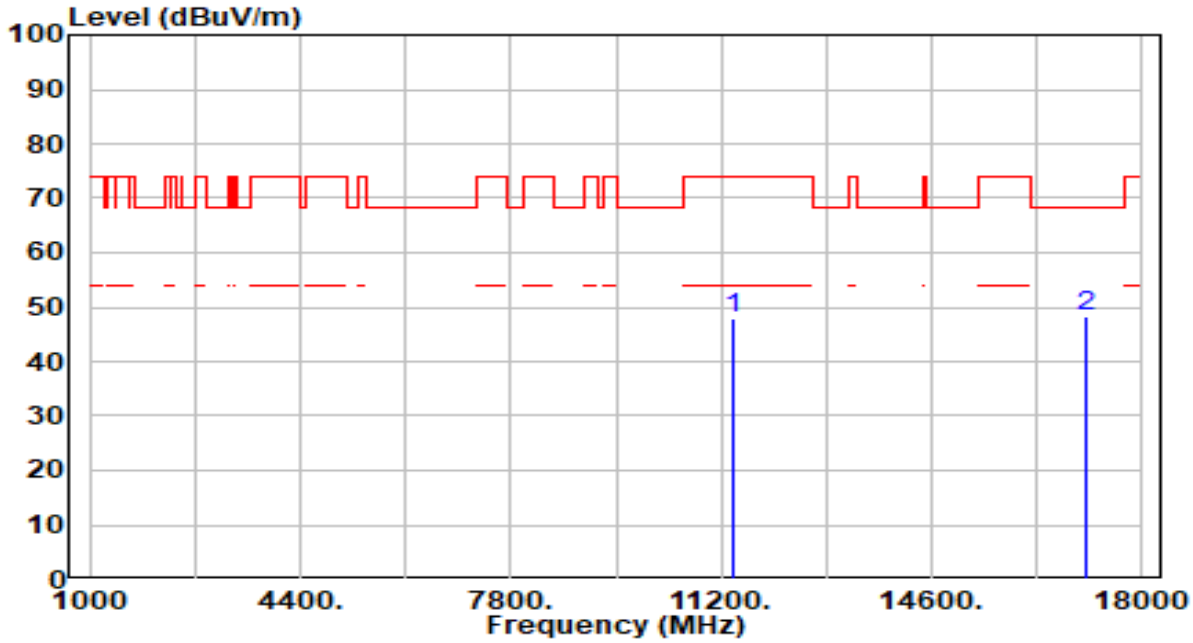


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11160.000	41.55	4.94	46.49	-27.51	74.00	300	272	Peak
2	*	16740.000	42.24	6.19	48.43	-19.77	68.20	300	80	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band3_TX_CH 140 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

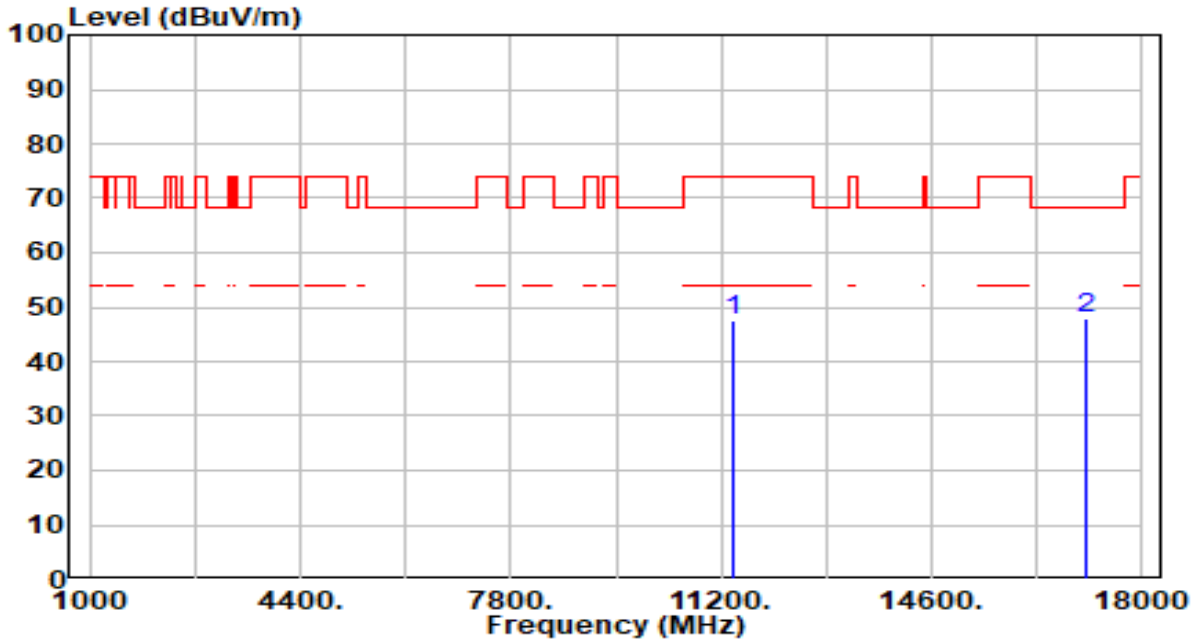


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11400.000	42.51	5.26	47.77	-26.23	74.00	300	253	Peak
2	*	17100.000	42.25	5.97	48.22	-19.98	68.20	300	340	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band3_TX_CH 140 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

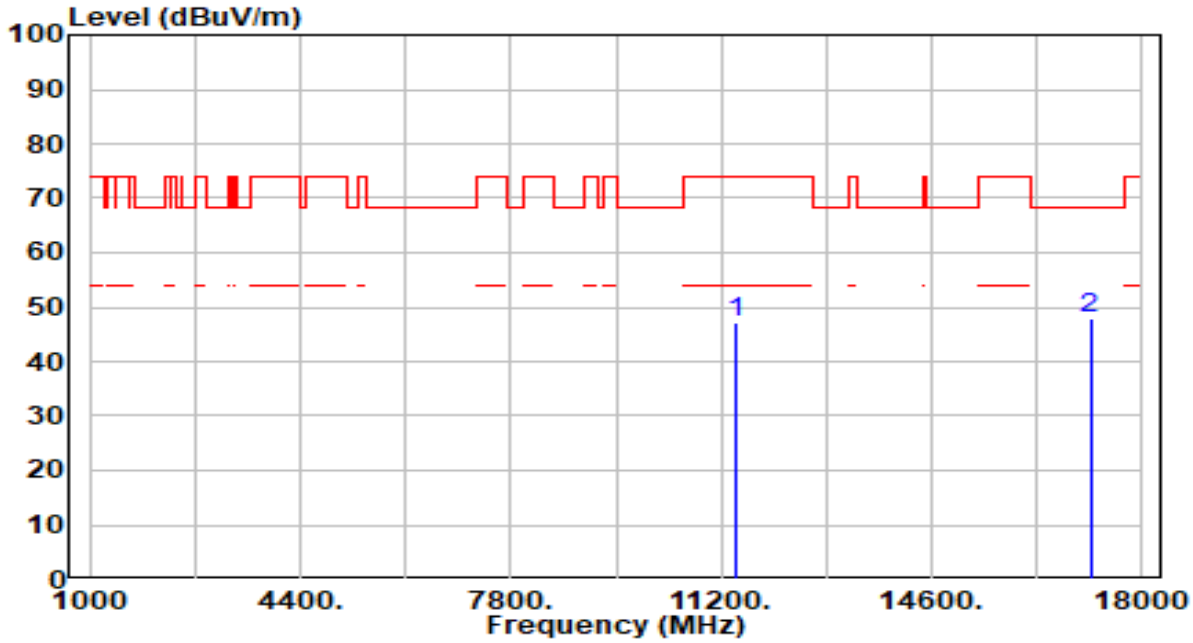


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11400.000	42.27	5.26	47.53	-26.47	74.00	300	63	Peak
2	*	17100.000	41.80	5.97	47.77	-20.43	68.20	300	71	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band3_TX_CH 144 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

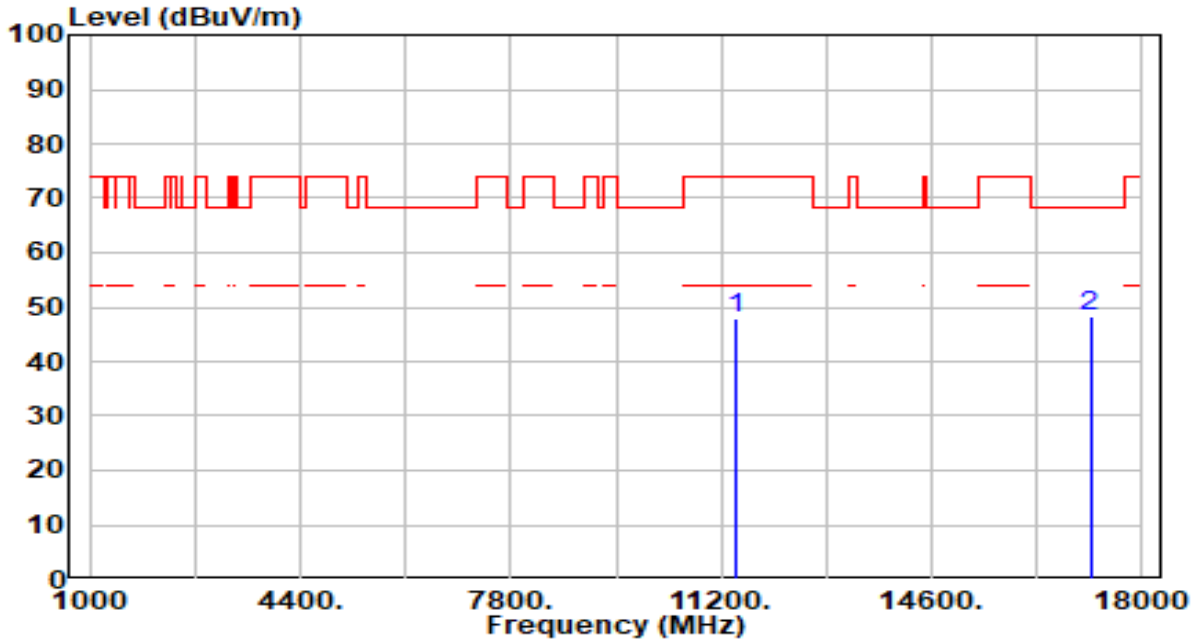


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11440.000	41.83	5.29	47.12	-26.88	74.00	300	22	Peak
2	*	17160.000	42.11	5.87	47.98	-20.22	68.20	300	102	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band3_TX_CH 144 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

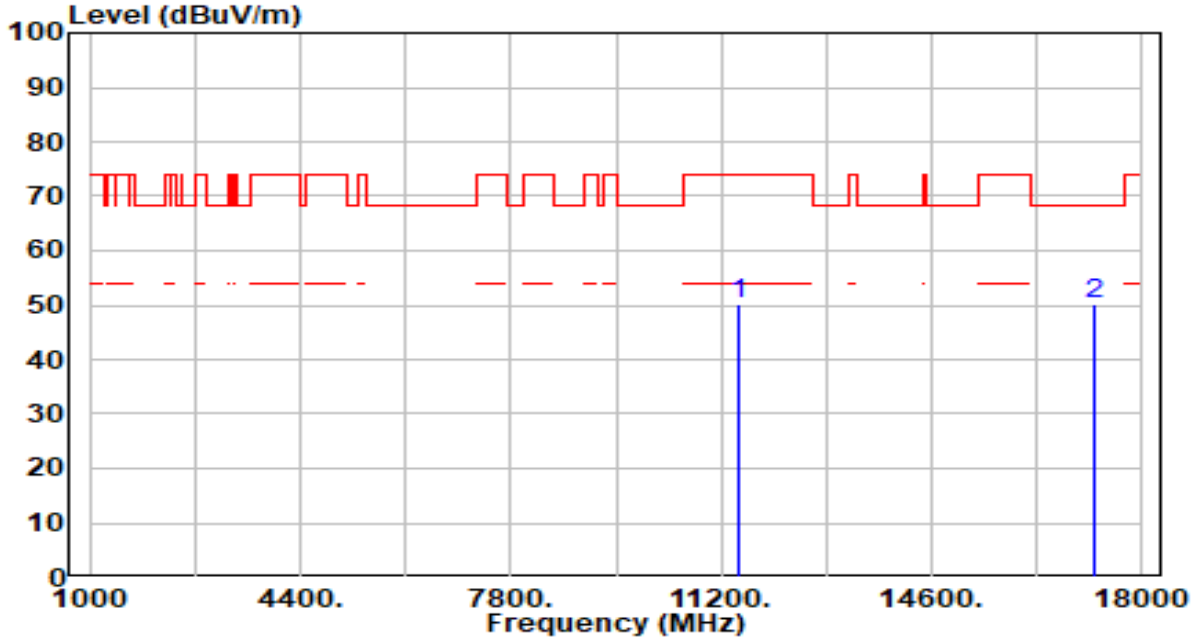


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11440.000	42.58	5.29	47.87	-26.13	74.00	300	264	Peak
2	*	17160.000	42.29	5.87	48.16	-20.04	68.20	300	301	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band4_TX_CH 149 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

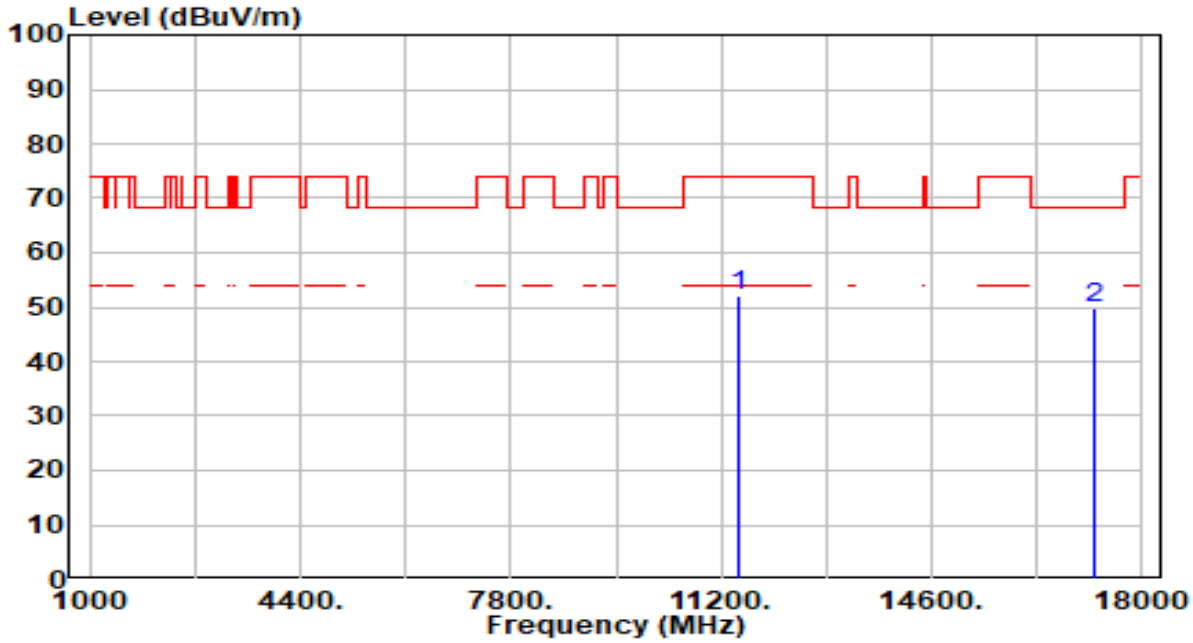


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	44.88	5.32	50.20	-23.80	74.00	300	142	Peak
2	*	17235.000	44.55	5.71	50.26	-17.94	68.20	300	82	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band4_TX_CH 149 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

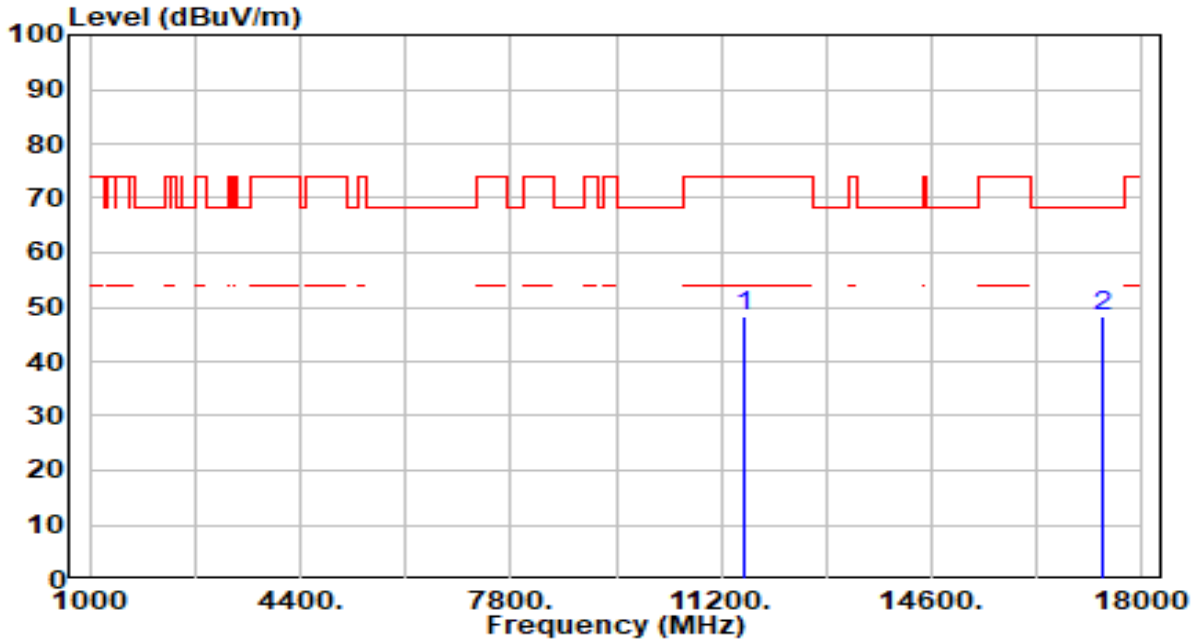


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11490.000	46.82	5.32	52.14	-21.86	74.00	300	229	Peak
2	*	17235.000	43.99	5.71	49.70	-18.50	68.20	300	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band4_TX_CH 157 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

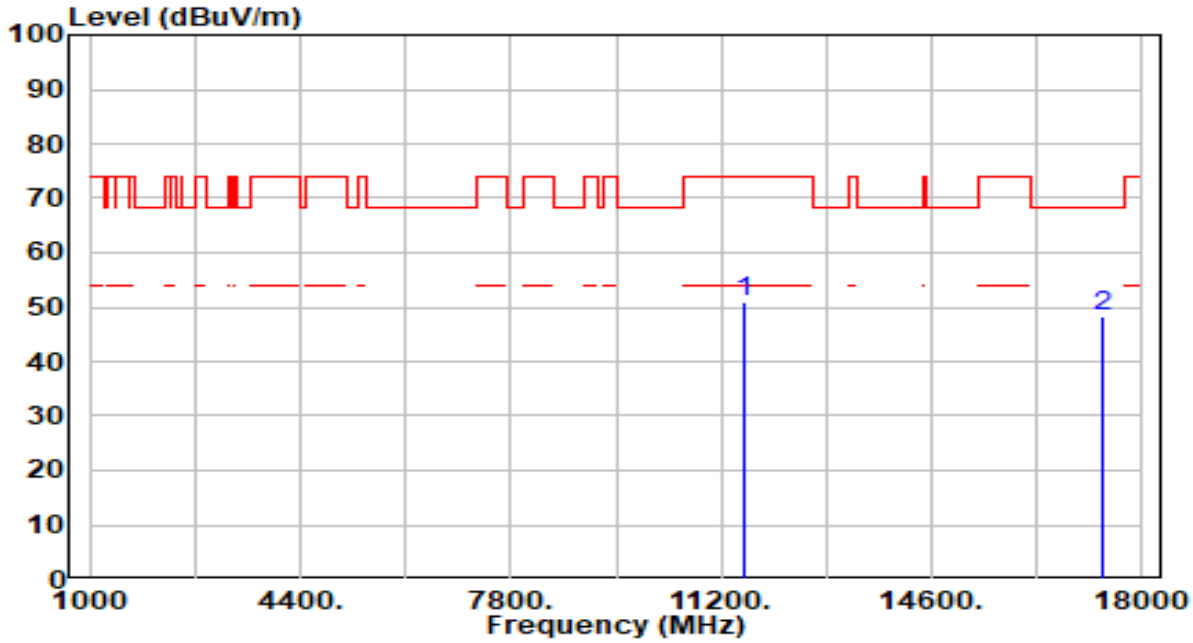


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11570.000	42.91	5.38	48.28	-25.72	74.00	300	208	Peak
2	*	17355.000	42.91	5.39	48.30	-19.90	68.20	300	352	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band4_TX_CH 157 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

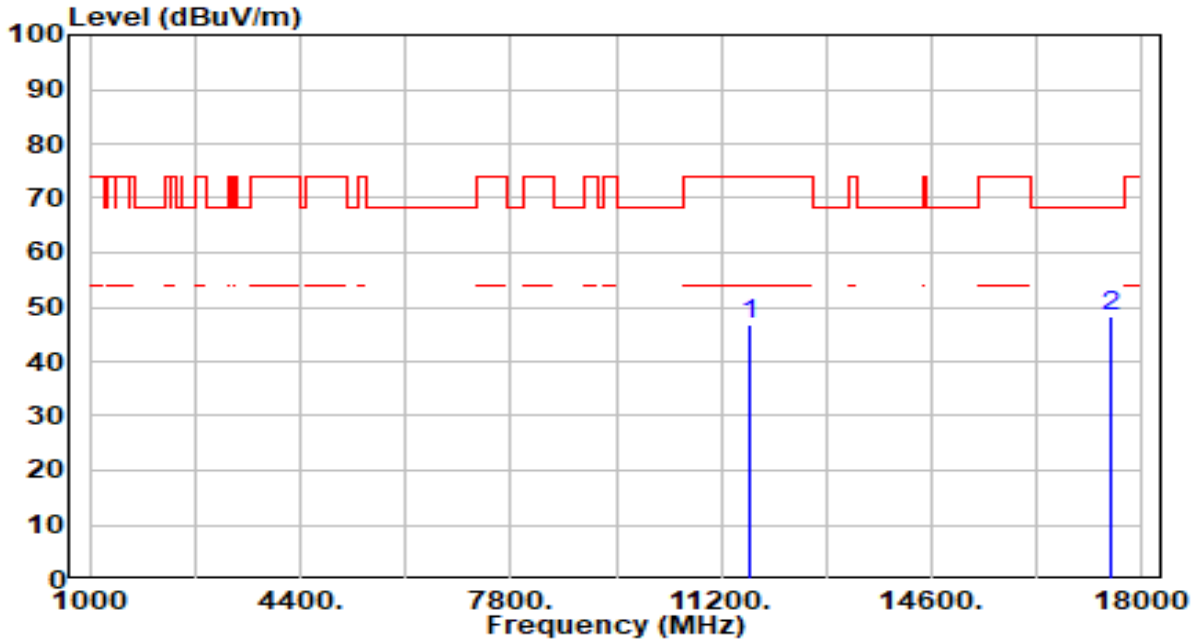


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11570.000	45.54	5.38	50.92	-23.08	74.00	300	40	Peak
2	*	17355.000	42.86	5.39	48.25	-19.95	68.20	300	97	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band4_TX_CH 165 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

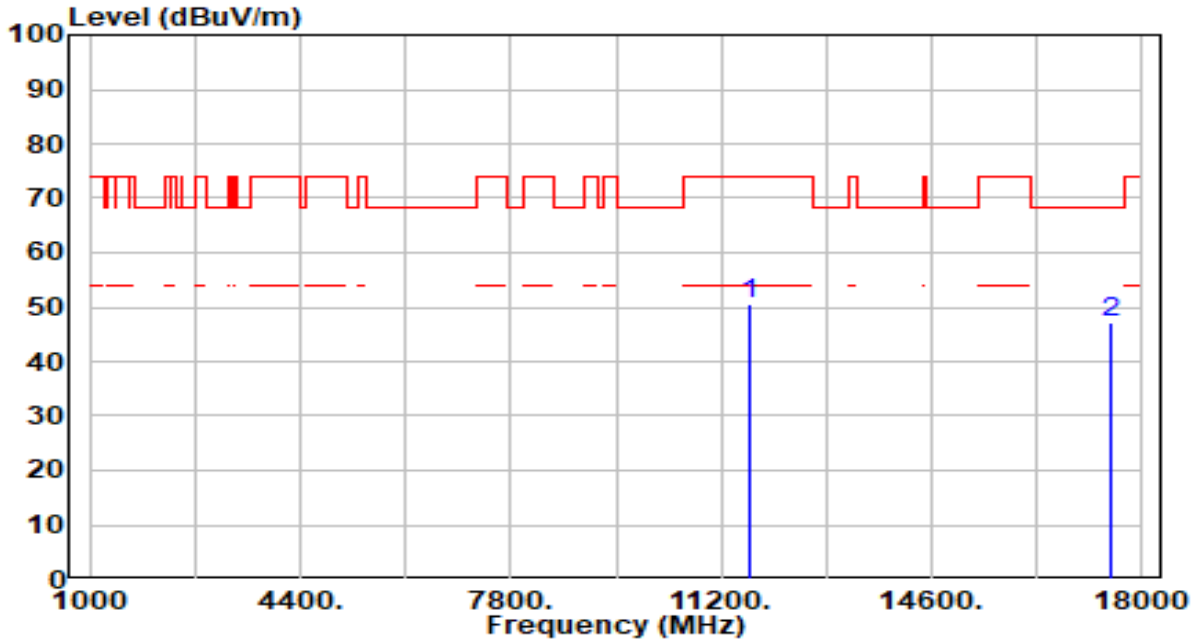


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11650.000	41.60	5.36	46.97	-27.03	74.00	300	199	Peak
2	*	17475.000	42.90	5.29	48.19	-20.01	68.20	300	352	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-20MHz_Band4_TX_CH 165 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

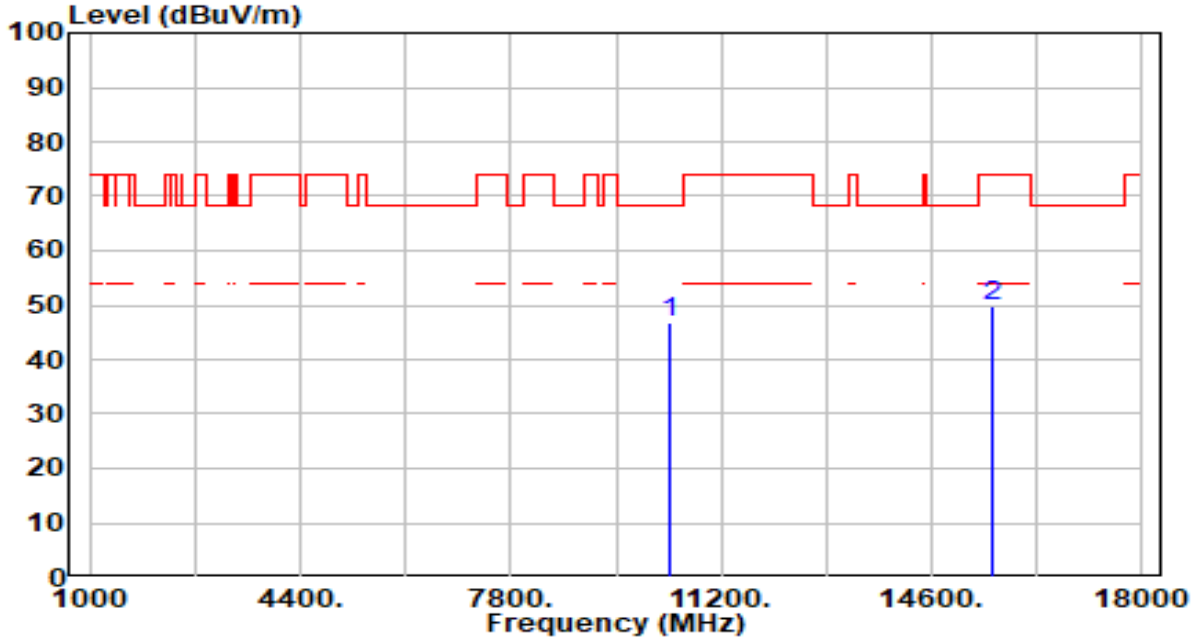


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1		11650.000	45.07	5.36	50.44	-23.56	74.00	300	230	Peak
2	*	17475.000	41.70	5.29	46.99	-21.21	68.20	300	338	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-40MHz_Band1_TX_CH 38 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

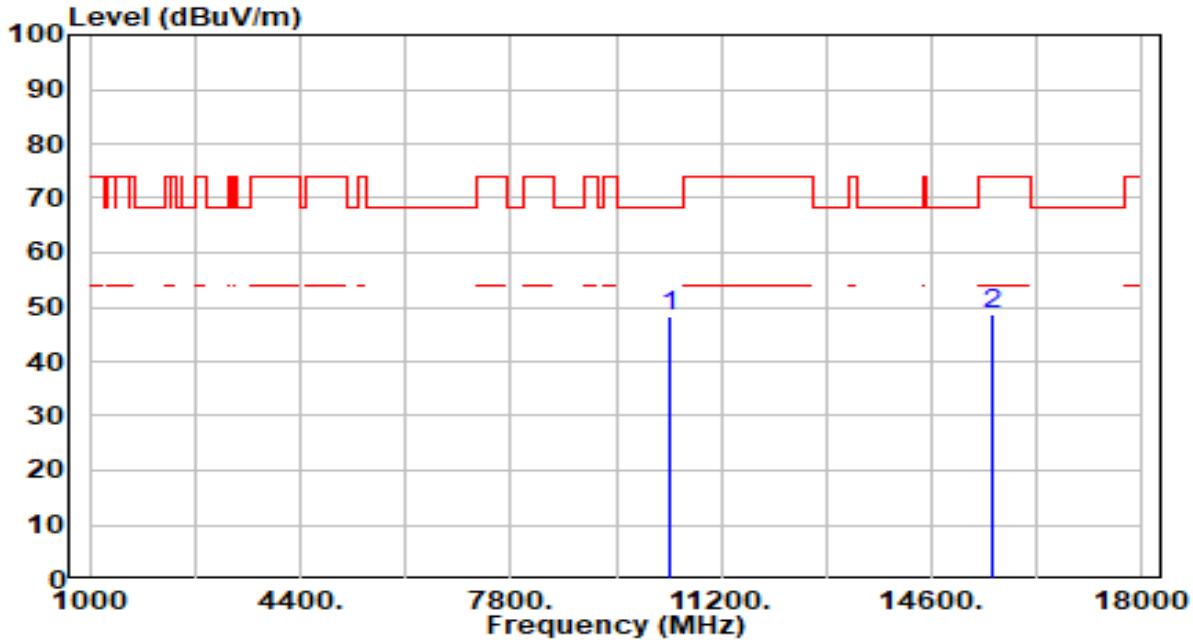


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10380.000	42.01	4.84	46.86	-21.34	68.20	300	211	Peak
2		15570.000	43.59	6.18	49.77	-24.23	74.00	300	20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Vertical	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-40MHz_Band1_TX_CH 38 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz

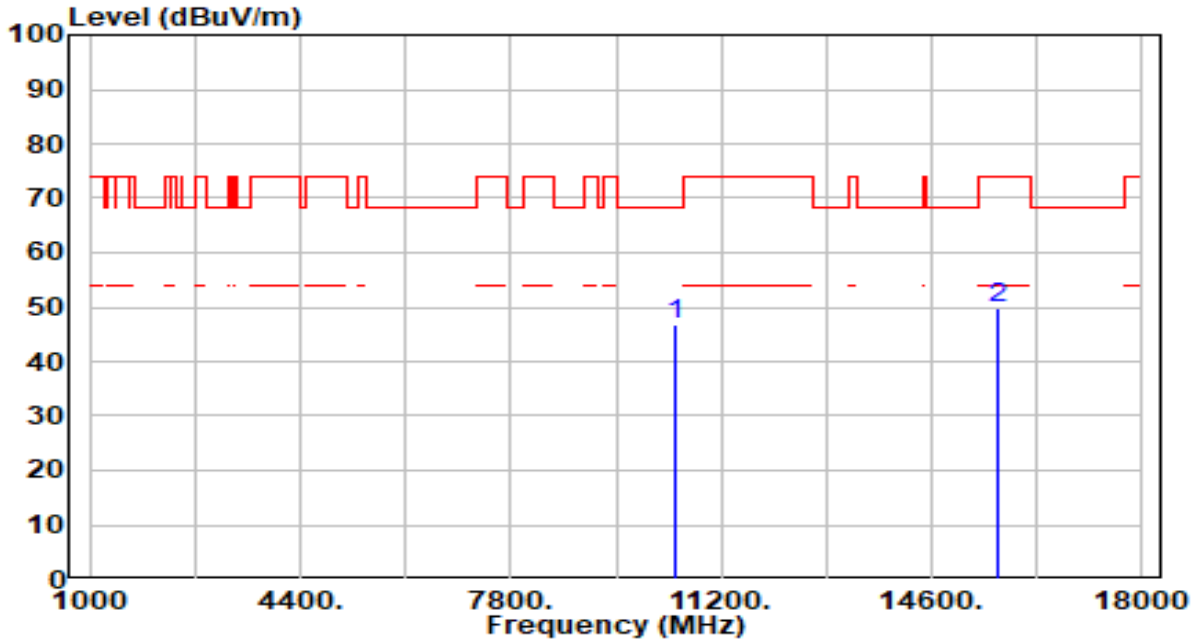


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10380.000	43.62	4.84	48.46	-19.74	68.20	300	49	Peak
2		15570.000	42.47	6.18	48.64	-25.36	74.00	300	83	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	BE5000 Outdoor/indoor Mesh Wi-Fi 7 Router	Date of Test	2024-07-27
Factor	DRH18-E	Temp. / Humidity	20°C /65%
Polarity	Horizontal	Site / Test Engineer	AC2 / Stanley
Test Mode	802.11ac-40MHz_Band1_TX_CH 46 ANT 0+1_Vertical Ant	Test Voltage	AC 120V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	10460.000	42.08	4.74	46.82	-21.38	68.20	300	59	Peak
2		15690.000	43.32	6.33	49.65	-24.35	74.00	300	284	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.