



Test Report

Date : 2026-04-27

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No. : HMD26040002

Applicant : FUNPAD Technology Co., Ltd
Room 202, Building 5, Ruichuang Technology Center, No.33 Shugang Road, Guicheng Street, Nanhai District, Foshan, China

Supplier / Manufacturer : FUNPAD Technology Co., Ltd
Room 202, Building 5, Ruichuang Technology Center, No.33 Shugang Road, Guicheng Street, Nanhai District, Foshan, China

Description of Sample(s) : Submitted sample(s) said to be
Product: Smart POS Terminal/self-service checkout machine
Brand Name: FUNPAD
Model No.: LP1
FCC ID: 2BVPQ-FUNPAD

Date Samples Received : 2026-03-04

Date Tested : 2026-03-10 to 2026-03-18

Investigation Requested : Perform Electro Magnetic Interference measurement in accordance with FCC 47CFR [Codes of Federal Regulations] Part 15 and ANSI C63.10:2020 for FCC Certification.

Conclusions : The submitted product COMPLIED with the requirements of Federal Communications Commission [FCC] Rules and Regulations Part 15. The tests were performed in accordance with the standards described above and on Section 2.2 in this Test Report.

Remarks : WIFI (802.11a/n20/n40)
For additional model(s) details, see page 3

Test by : Susu


Dr.CHAN Kwok Hung, Brian
Authorized Signatory



The Hong Kong Standards and Testing Centre Limited

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1.0 General Details

1.1 Test Laboratory

The Hong Kong Standards and Testing Centre Ltd.
EMC Laboratory
10 Dai Wang Street, Taipo Industrial Estate, New Territories, Hong Kong
Telephone: 852 2666 1888
Fax: 852 2664 4353

1.2 Equipment Under Test [EUT]

Description of Sample(s)

Product: Smart POS Terminal/self-service checkout machine
Manufacturer: FUNPAD Technology Co., Ltd
Room 202, Building 5, Ruichuang Technology Center, No.33 Shugang Road,
Guicheng Street, Nanhai District, Foshan, China
Brand Name: FUNPAD
Model Number: LP1
Additional Model Number: FP-LP1, FP-LP3, FP-LP5, FP-LP6, FP-LP7, FP-LP8, FP-LP9, FP-LP10, LP3, LP5, LP6, LP7, LP8, LP9, LP10
Model differences: All models have the same circuit principle, only the product name and model are applicable to different customers and the color difference.
Therefore, only model LP2 completed all test items.
Note: Since the applicant was not able to provide the sample of additional Model, above mentioned additional Model(s) has not been tested, but only based on the guarantee letter provided by the applicant. Test Report issuer takes no responsibility for any mistakes and the problems of product consistency caused by inaccurate and/or invalid information submitted by the applicant.
The applicant will take the responsibility of all discrepancy and risk.
Rating: DC 12V by adapter
Brand: GVE, Model:GM39-120300-1A, Input: 100-240a.c. 50/60, 1.5A
Output: 12Vd.c. 3.0A, 36W

1.2.1 Description of EUT Operation

The Equipment Under Test (EUT) is a Smart POS Terminal/self-service checkout machine. The transmission signal is digital modulated with channel frequency range 5150-5250MHz and 5725-5850MHz.

1.3 Antenna Details

Antenna Type: built-in FPC antenna
Antenna Gain: 2.0dBi

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- 1.4 Date of Order**
2026-03-04
- 1.5 Submitted Sample(s):**
1 Sample
- 1.6 Test Duration**
2026-03-10 to 2026-03-18
- 1.7 Country of Origin**
China

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1.8 Channel List

Wi-Fi 5 GHz 802.11a/n20/n40 specification

Frequency Band	Channel No.	Frequency
UNII-Low Band	36	5180MHz
	40	5200MHz
	44	5220MHz
	48	5240MHz
UNII-High Band (DFS)	149	5745 MHz
	153	5765 MHz
	157	5785 MHz
	161	5805 MHz
	165	5825 MHz

Wi-Fi 5 GHz 802.11n40 specification

Frequency Band	Channel No.	Frequency
UNII-Low Band	38	5190MHz
	46	5230MHz
UNII-High Band (DFS)	151	5755 MHz
	159	5795 MHz

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2.0 Technical Details

2.1 Investigations Requested

Perform Electromagnetic Interference measurements in accordance with FCC 47CFR [Codes of Federal Regulations] Part 15 Regulations and ANSI C63.10:2020 for FCC Certification.

According FCC KDB 789033D02 Measurement Guidance, Duty cycle $\geq 98\%$.

The test mode sample is provided by manufacturer.

2.1.0 Operating conditions for the EUT

The sample went into test mode handled by the manufacturer using the software and no the RF power for select.

```
C:\Windows\System32\cmd.exe
D:\funpad\3576\3576\srcpy-win64-v2.3.1\srcpy-win64-v2.3.1>adb devices
List of devices attached
92c59f0c1ada9b00    device

D:\funpad\3576\3576\srcpy-win64-v2.3.1\srcpy-win64-v2.3.1>adb root
adb is already running as root

D:\funpad\3576\3576\srcpy-win64-v2.3.1\srcpy-win64-v2.3.1>adb remount
AVB verification is disabled, disabling verify state may have no effect
Remounted /system as RW
Remounted /vendor as RW
Remounted /odm as RW
Remounted /system_dtkm as RW
Remounted /system_ext as RW
Remounted /vendor_dtkm as RW
Remounted /odm_dtkm as RW
Remounted /product as RW
Remount succeeded

D:\funpad\3576\3576\srcpy-win64-v2.3.1\srcpy-win64-v2.3.1>adb shell
rk3576_u:/ # echo 0 >/proc/sys/kernel/printk
rk3576_u:/ # cd /vendor/lib/modules/
rk3576_u:/vendor/lib/modules # insmod aic8800_bsp.ko1 testmode=1
rk3576_u:/vendor/lib/modules # insmod aic8800_fdrv.ko1
rk3576_u:/vendor/lib/modules # ifconfig wlan0 up
rk3576_u:/vendor/lib/modules # cd /data/
rk3576_u:/data # chmod 777 wifi_test
rk3576_u:/data # ./wifi_test wlan0 set_tx 36 0 0 4 1000
set_tx:
done
rk3576_u:/data #
```

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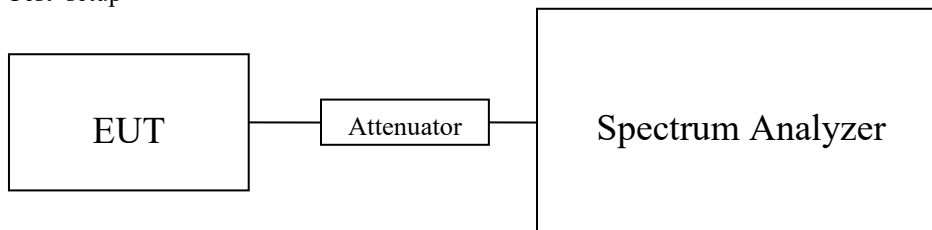
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2.1.1 EUT Duty cycle

The EUT shall be configured or modified to transmit continuously. The intent is to test at 100% duty cycle; however, a small reduction in duty cycle (to no lower than 98%) is permitted if required by the EUT for amplitude control purposes.

The test mode sample is provided by manufacturer.

Test setup

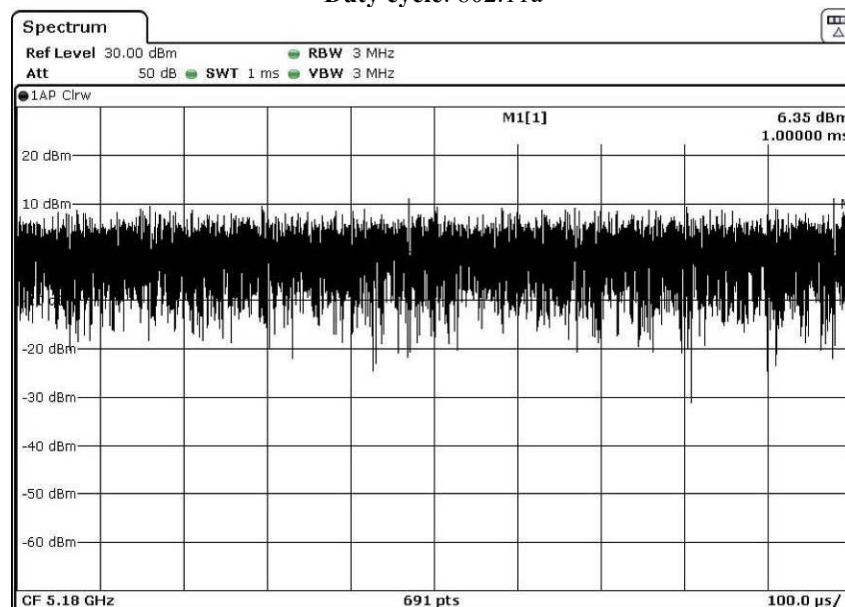


Results

Mode	On Time (msec)	Period (msec)	Duty Cycle X (Linear)	Duty Cycle (%)*
802.11a	1	1	1	100
802.11n20	1	1	1	100
802.11n40	1	1	1	100

-*: If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

Duty cycle: 802.11a



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2.2 Test Standards and Results Summary Tables

EMISSION Results Summary						
Test Condition	Test Requirement	Test Method	Class / Severity	Test Result		
				Pass	Failed	N/A
Maximum Peak Output Power	15.407(a)(1)	ANSI C63.10:2020	N/A	☒	☐	☐
Radiated Emissions	15.205(a) 15.209 15.407(b)	ANSI C63.10:2020	N/A	☒	☐	☐
Conducted Emissions	FCC 47CFR 15.207	ANSI C63.10:2020	N/A	☒	☐	☐
Power Spectral Density	15.407(a)	ANSI C63.10:2020	N/A	☒	☐	☐
26 dB Bandwidth and 99%Occupied Bandwidth 6 dB Bandwidth and	15.407(a) (e)	ANSI C63.10:2020	N/A	☒	☐	☐
Antenna requirement	FCC 47CFR 15.203	N/A	N/A	☒	☐	☐
Frequency stability	15.407(g)	ANSI C63.10:2020	N/A	☒	☐	☐

Note: N/A - Not Applicable

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3.0 Test Results

3.1 Emission

3.1.1 Maximum Peak Output Power

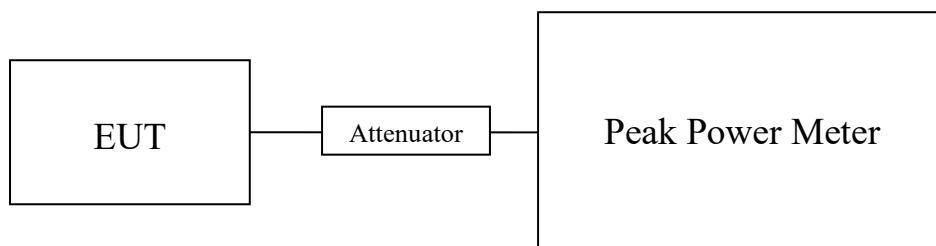
Test Requirement:	FCC 47CFR 15.407(a)(1)
Test Method:	ANSI C63.10: 2013/ KDB 789033D02
Test Date:	2026-03-11
Mode of Operation:	WIFI Tx mode

Ambient Temperature: 25°C Relative Humidity: 51% Atmospheric Pressure: 101 kPa

Test Method:

The RF output of the EUT was connected to the peak power meter. All the attenuation or cable loss will be added to the measured maximum output power. The results are recorded in Watt.

Test Setup:



Note: a temporary antenna connector was soldered to the RF output.



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Limits for Peak Output Power of Fundamental & Harmonics Emissions [FCC 47CFR 15.407]:

For Digital Transmission systems in 5150-5250 MHz Band: 0.25 Watt (24dBm)

For Digital Transmission systems in 5725-5850 MHz Band: 1.0 Watt (30dBm)

Results of WiFi mode 802.11 a, (5150MHz to 5250MHz) : Pass (TX Unit) **Maximum conducted output power**

Channel	Frequency (MHz)	Conducted power(dBm)	Antenna Gain(dBi)	E.I.R.P(dBm)	E.I.R.P (Watt)
Low	5180	14.102	1.6	15.702	0.037171
Middle	5200	14.725	1.6	16.325	0.042904
High	5240	14.589	1.6	16.189	0.041581

Results of WiFi mode 802.11 a, (5725MHz to 5850MHz) : Pass (TX Unit) **Maximum conducted output power**

Channel	Frequency (MHz)	Conducted power(dBm)	Antenna Gain(dBi)	E.I.R.P(dBm)	E.I.R.P (Watt)
Low	5745	16.889	1.6	18.489	0.070615
Middle	5785	17.620	1.6	19.220	0.083560
High	5825	17.813	1.6	19.413	0.087357

Results of WiFi mode 802.11 n20, (5150MHz to 5250MHz) : Pass (TX Unit) **Maximum conducted output power**

Channel	Frequency (MHz)	Conducted power(dBm)	Antenna Gain(dBi)	E.I.R.P(dBm)	E.I.R.P (Watt)
Low	5180	12.792	1.6	14.392	0.027492
Middle	5200	13.294	1.6	14.894	0.030860
High	5240	13.233	1.6	14.833	0.030430

Results of WiFi mode 802.11 n20, (5725MHz to 5850MHz) : Pass (TX Unit) **Maximum conducted output power**

Channel	Frequency (MHz)	Conducted power(dBm)	Antenna Gain(dBi)	E.I.R.P(dBm)	E.I.R.P (Watt)
Low	5745	13.498	1.6	15.098	0.032344
Middle	5785	14.394	1.6	15.994	0.039756
High	5825	14.553	1.6	16.153	0.041238

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Results of WiFi mode 802.11 n40, (5150MHz to 5250MHz) : Pass (TX Unit)
Maximum conducted output power

Channel	Frequency (MHz)	Conducted power(dBm)	Antenna Gain(dBi)	E.I.R.P(dBm)	E.I.R.P (Watt)
Low	5190	12.709	1.6	14.309	0.026971
High	5230	13.061	1.6	14.661	0.029248

Results of WiFi mode 802.11 n40, (5725MHz to 5850MHz) : Pass (TX Unit)
Maximum conducted output power

Channel	Frequency (MHz)	Conducted power(dBm)	Antenna Gain(dBi)	E.I.R.P(dBm)	E.I.R.P (Watt)
Low	5755	13.393	1.6	14.993	0.031572
High	5795	14.439	1.6	16.039	0.040170

Calculated measurement uncertainty : 30MHz to 1GHz 1.7dB
1GHz to 26GHz 1.7dB

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3.1.2 Radiated Emissions

Test Requirement:	FCC 47CFR 15.209 & 15.407(b)
Test Method:	ANSI C63.10:2020/ KDB 789033D02
Test Date:	2026-03-13
Mode of Operation:	WIFI Tx mode

Ambient Temperature: 24°C Relative Humidity: 52% Atmospheric Pressure: 101 kPa

Test Method:

For emission measurements at or below 1 GHz, the sample was placed 0.8m above the ground plane of semi-anechoic Chamber*. For emission measurements above 1 GHz, the sample was placed 1.5m above the ground plane of semi-anechoic Chamber*. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

* Semi-Anechoic chamber located on the G/F of The Hong Kong Standards and Testing Centre Ltd. with
Registration Number: HK0001
Test Firm Registration Number: 367672

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Spectrum Analyzer Setting:

9KHz – 30MHz (Pk & Av)

RBW: 10kHz
VBW: 30kHz
Sweep: Auto
Span: Fully capture the emissions being measured
Trace: Max. hold

30MHz – 1GHz (QP)

RBW: 120kHz
VBW: 120kHz
Sweep: Auto
Span: Fully capture the emissions being measured
Trace: Max. hold

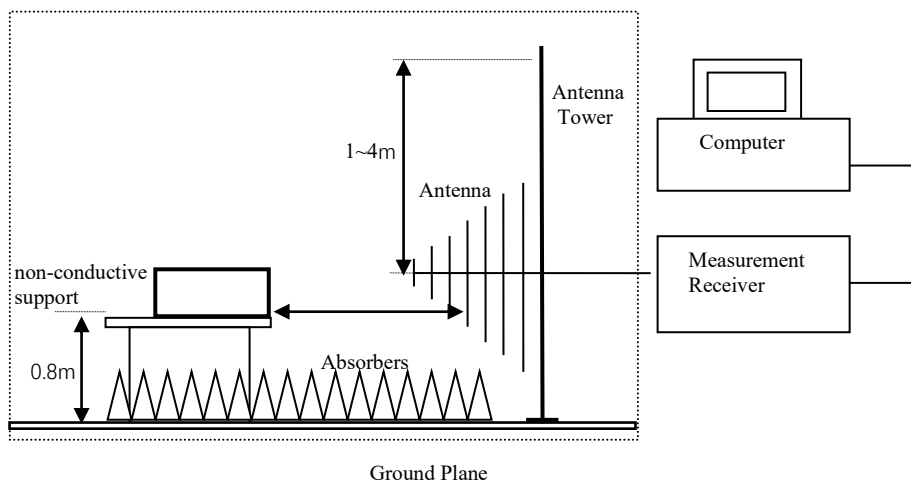
Above 1GHz (Pk)

RBW: 1MHz
VBW: 1MHz
Sweep: Auto
Span: Fully capture the emissions being measured
Trace: Max. hold

Above 1GHz (Av)

RBW: 1MHz
VBW: 10Hz
Sweep: Auto
Span: Fully capture the emissions being measured
Trace: Max. hold

Test Setup:



- Absorbers placed on top of the ground plane are for measurements above 1000MHz only.
- Measurements between 30MHz to 1000MHz made with Bi-log antennas, above 1000MHz horn antennas are used.

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Limits for Radiated Emissions FCC 47 CFR 15.407]:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (3) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further.
- (3) The provisions of §15.205 apply to intentional radiators operating under this section.

Frequency Range	Quasi-Peak Limits
[MHz]	[μ V/m]
0.009-0.490	2400/F (kHz)
0.490-1.705	24000/F (kHz)
1.705-30	30
30-88	100
88-216	150
216-960	200
Above 960	500

The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector and above 1000MHz are based on measurements employing an average detector.

Result of Tx mode (5180.0 MHz) (802.11a) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dB μ V	Correction Factor dB/m	Field Strength dB μ V/m	Limit @3m dB μ V/m	Margin dB	E-Field Polarity
5150.0	48.5	0.80	49.3	74.0	24.7	Vertical
5150.0	47.9	0.50	48.4	74.0	25.6	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dB μ V	Correction Factor dB/m	Field Strength dB μ V/m	Limit @3m dB μ V/m	Margin dB	E-Field Polarity
5150.0	38.3	0.80	39.1	54.0	14.9	Vertical
5150.0	37.6	0.50	38.1	54.0	15.9	Horizontal

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Result of Tx mode (5180.0 MHz) (802.11a) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (5180.0 MHz) (802.11a) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10360.0	47.9	8.90	56.8	68.2	11.4	Vertical
10360.0	47.7	8.70	56.4	68.2	11.8	Horizontal
15540.0	43.5	11.80	55.3	68.2	12.9	Vertical
15540.0	43.6	11.90	55.5	68.2	12.7	Horizontal
20720.0	44.0	12.20	56.2	68.2	12.0	Vertical
20720.0	44.0	12.40	56.4	68.2	11.8	Horizontal
25900.0	43.2	13.10	56.3	68.2	11.9	Vertical
25900.0	43.1	13.30	56.4	68.2	11.8	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10360.0	32.5	8.90	41.4	54.0	12.6	Vertical
10360.0	32.3	8.70	41.0	54.0	13.0	Horizontal
15540.0	30.2	11.80	42.0	54.0	12.0	Vertical
15540.0	30.0	11.90	41.9	54.0	12.1	Horizontal
20720.0	29.5	12.20	41.7	54.0	12.3	Vertical
20720.0	29.6	12.40	42.0	54.0	12.0	Horizontal
25900.0	29.2	13.10	42.3	54.0	11.7	Vertical
25900.0	29.1	13.30	42.4	54.0	11.6	Horizontal

Result of Tx mode (5200 MHz) (802.11a) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

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Result of Tx mode (5200 MHz) (802.11a) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10400.0	48.0	8.90	56.9	68.2	11.3	Vertical
10400.0	48.5	8.70	57.2	68.2	11.0	Horizontal
15600.0	45.2	11.80	57.0	68.2	11.2	Vertical
15600.0	44.1	11.90	56.0	68.2	12.2	Horizontal
20800.0	44.0	12.20	56.2	68.2	12.0	Vertical
20800.0	43.1	12.40	55.5	68.2	12.7	Horizontal
26000.0	42.4	13.10	55.5	68.2	12.7	Vertical
26000.0	41.1	13.30	54.4	68.2	13.8	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBuV	Correction Factor dB/m	Field Strength dBuV/m	Limit @3m dBuV/m	Margin dB	E-Field Polarity
10400.0	33.1	8.90	42.0	54.0	12.0	Vertical
10400.0	32.8	8.70	41.5	54.0	12.5	Horizontal
15600.0	30.0	11.80	41.8	54.0	12.2	Vertical
15600.0	29.9	11.90	41.8	54.0	12.2	Horizontal
20800.0	29.3	12.20	41.5	54.0	12.5	Vertical
20800.0	29.4	12.40	41.8	54.0	12.2	Horizontal
26000.0	28.4	13.10	41.5	54.0	12.5	Vertical
26000.0	28.3	13.30	41.6	54.0	12.4	Horizontal

Result of Tx mode (5240 MHz) (802.11a) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

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Result of Tx mode (5240 MHz) (802.11a) (1GHz-25GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10480.0	48.5	8.90	57.4	68.2	10.8	Vertical
10480.0	48.4	8.70	57.1	68.2	11.1	Horizontal
17520.0	44.8	11.80	56.6	68.2	11.6	Vertical
17520.0	44.4	11.90	56.3	68.2	11.9	Horizontal
20960.0	43.3	12.20	55.5	68.2	12.7	Vertical
20960.0	44.0	12.40	56.4	68.2	11.8	Horizontal
26200.0	43.0	13.10	56.1	68.2	12.1	Vertical
26200.0	43.0	13.30	56.3	68.2	11.9	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10480.0	32.6	8.90	41.5	54.0	12.5	Vertical
10480.0	33.0	8.70	41.7	54.0	12.3	Horizontal
17520.0	30.2	11.80	42.0	54.0	12.0	Vertical
17520.0	29.7	11.90	41.6	54.0	12.4	Horizontal
20960.0	29.2	12.20	41.4	54.0	12.6	Vertical
20960.0	29.5	12.40	41.9	54.0	12.1	Horizontal
26200.0	27.4	13.10	40.5	54.0	13.5	Vertical
26200.0	27.4	13.30	40.7	54.0	13.3	Horizontal

Result of Tx mode (5180.0 MHz) (802.11n20) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5150.0	48.5	0.80	49.3	74.0	24.7	Vertical
5150.0	48.2	0.50	48.7	74.0	25.3	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5150.0	39.5	0.80	40.3	54.0	13.7	Vertical
5150.0	39.1	0.50	39.6	54.0	14.4	Horizontal

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Result of Tx mode (5180 MHz) (802.11n20) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions						
Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (5180 MHz) (802.11n20) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions						
Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10360.0	49.6	8.90	58.5	68.2	9.7	Vertical
10360.0	48.8	8.70	57.5	68.2	10.7	Horizontal
15540.0	44.1	11.80	55.9	68.2	12.3	Vertical
15540.0	44.9	11.90	56.8	68.2	11.4	Horizontal
20720.0	43.2	12.20	55.4	68.2	12.8	Vertical
20720.0	43.2	12.40	55.6	68.2	12.6	Horizontal
25900.0	42.0	13.10	55.1	68.2	13.1	Vertical
25900.0	41.5	13.30	54.8	68.2	13.4	Horizontal

Field Strength of Spurious Emissions						
Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10360.0	33.9	8.90	42.8	54.0	11.2	Vertical
10360.0	33.2	8.70	41.9	54.0	12.1	Horizontal
15540.0	30.8	11.80	42.6	54.0	11.4	Vertical
15540.0	30.2	11.90	42.1	54.0	11.9	Horizontal
20720.0	29.5	12.20	41.7	54.0	12.3	Vertical
20720.0	28.5	12.40	40.9	54.0	13.1	Horizontal
25900.0	28.7	13.10	41.8	54.0	12.2	Vertical
25900.0	28.2	13.30	41.5	54.0	12.5	Horizontal

Result of Tx mode (5200 MHz) (802.11n20) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions						
Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

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Result of Tx mode (5200 MHz) (802.11n20) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10400.0	48.5	8.90	57.4	68.2	10.8	Vertical
10400.0	48.0	8.70	56.7	68.2	11.5	Horizontal
15600.0	45.2	11.80	57.0	68.2	11.2	Vertical
15600.0	44.0	11.90	55.9	68.2	12.3	Horizontal
20800.0	43.7	12.20	55.9	68.2	12.3	Vertical
20800.0	43.4	12.40	55.8	68.2	12.4	Horizontal
26000.0	42.3	13.10	55.4	68.2	12.8	Vertical
26000.0	42.4	13.30	55.7	68.2	12.5	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10400.0	33.3	8.90	42.2	54.0	11.8	Vertical
10400.0	32.8	8.70	41.5	54.0	12.5	Horizontal
15600.0	30.5	11.80	42.3	54.0	11.7	Vertical
15600.0	29.7	11.90	41.6	54.0	12.4	Horizontal
20800.0	29.3	12.20	41.5	54.0	12.5	Vertical
20800.0	29.1	12.40	41.5	54.0	12.5	Horizontal
26000.0	27.4	13.10	40.5	54.0	13.5	Vertical
26000.0	27.7	13.10	40.8	54.0	13.2	Horizontal

Result of Tx mode (5240 MHz) (802.11n20) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

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Result of Tx mode (5240 MHz) (802.11n20) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10480.0	49.5	8.90	58.4	68.2	9.8	Vertical
10480.0	48.7	8.70	57.4	68.2	10.8	Horizontal
17520.0	44.5	11.80	56.3	68.2	11.9	Vertical
17520.0	44.9	11.90	56.8	68.2	11.4	Horizontal
20960.0	43.8	12.20	56.0	68.2	12.2	Vertical
20960.0	43.1	12.40	55.5	68.2	12.7	Horizontal
26200.0	43.6	13.10	56.7	68.2	11.5	Vertical
26200.0	43.6	13.30	56.9	68.2	11.3	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10480.0	33.2	8.90	42.1	54.0	11.9	Vertical
10480.0	33.6	8.70	42.3	54.0	11.7	Horizontal
17520.0	30.1	11.80	41.9	54.0	12.1	Vertical
17520.0	30.5	11.90	42.4	54.0	11.6	Horizontal
20960.0	29.1	12.40	41.5	54.0	12.5	Vertical
20960.0	29.2	12.40	41.6	54.0	12.4	Horizontal
26200.0	29.4	13.10	42.5	54.0	11.5	Vertical
26200.0	28.0	13.30	41.3	54.0	12.7	Horizontal

Result of Tx mode (5745.0 MHz) (802.11a) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5650.0	45.7	0.60	46.3	68.2	21.9	Vertical
5650.0	46.8	0.56	47.4	68.2	20.9	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5650.0	38.3	0.60	38.9	54.0	15.1	Vertical
5650.0	39.0	0.56	39.6	54.0	14.4	Horizontal

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Result of Tx mode (5745.0 MHz) (802.11a) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (5745.0 MHz) (802.11a) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11490.0	48.3	9.50	57.8	68.2	10.4	Vertical
11490.0	48.2	9.20	57.4	68.2	10.8	Horizontal
17235.0	43.1	12.90	56.0	68.2	12.2	Vertical
17235.0	42.6	13.20	55.8	68.2	12.4	Horizontal
22980.0	42.4	14.10	56.5	68.2	11.7	Vertical
22980.0	41.9	14.70	56.6	68.2	11.6	Horizontal
28725.0	41.2	15.30	56.5	68.2	11.7	Vertical
28725.0	41.0	15.10	56.1	68.2	12.1	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11490.0	31.6	9.50	41.1	54.0	12.9	Vertical
11490.0	32.3	9.20	41.5	54.0	12.5	Horizontal
17235.0	28.9	12.90	41.8	54.0	12.2	Vertical
17235.0	29.1	13.20	42.3	54.0	11.7	Horizontal
22980.0	28.2	14.10	42.3	54.0	11.7	Vertical
22980.0	27.5	14.70	42.2	54.0	11.8	Horizontal
28725.0	27.4	15.30	42.7	54.0	11.3	Vertical
28725.0	27.0	15.10	42.1	54.0	11.9	Horizontal

Result of Tx mode (5785 MHz) (802.11a) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

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Result of Tx mode (5785 MHz) (802.11a) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11570.0	48.6	9.50	58.1	68.2	10.1	Vertical
11570.0	48.8	9.20	58.0	68.2	10.2	Horizontal
17355.0	42.6	12.90	55.5	68.2	12.7	Vertical
17355.0	43.3	13.20	56.5	68.2	11.7	Horizontal
23140.0	42.0	14.10	56.1	68.2	12.1	Vertical
23140.0	41.4	14.70	56.1	68.2	12.1	Horizontal
28925.0	41.0	15.30	56.3	68.2	11.9	Vertical
28925.0	41.1	15.10	56.2	68.2	12.0	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBuV	Correction Factor dB/m	Field Strength dBuV/m	Limit @3m dBuV/m	Margin dB	E-Field Polarity
11570.0	33.2	9.50	42.7	54.0	11.3	Vertical
11570.0	31.8	9.20	41.0	54.0	13.0	Horizontal
17355.0	28.9	12.90	41.8	54.0	12.2	Vertical
17355.0	29.0	13.20	42.2	54.0	11.8	Horizontal
23140.0	28.3	14.10	42.4	54.0	11.6	Vertical
23140.0	27.5	14.70	42.2	54.0	11.8	Horizontal
28925.0	27.1	15.30	42.4	54.0	11.6	Vertical
28925.0	27.0	15.10	42.1	54.0	11.9	Horizontal

Result of Tx mode (5825.0 MHz) (802.11a) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5925.0	47.5	0.60	48.1	68.2	20.1	Vertical
5925.0	47.1	0.56	47.7	68.2	20.6	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5925.0	38.9	0.60	39.5	54.0	14.5	Vertical
5925.0	39.2	0.56	39.8	54.0	14.2	Horizontal

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Result of Tx mode (5825 MHz) (802.11a) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (5825 MHz) (802.11a) (1GHz-25GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11650.0	48.5	9.50	58.0	68.2	10.2	Vertical
11650.0	48.9	9.20	58.1	68.2	10.1	Horizontal
18475.0	43.6	12.90	56.5	68.2	11.7	Vertical
18475.0	43.1	13.20	56.3	68.2	11.9	Horizontal
23300.0	42.8	14.10	56.9	68.2	11.3	Vertical
23300.0	41.7	14.70	56.4	68.2	11.8	Horizontal
29125.0	40.9	15.30	56.2	68.2	12.0	Vertical
29125.0	41.0	15.10	56.1	68.2	12.1	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11650.0	32.2	9.50	41.7	54.0	12.3	Vertical
11650.0	33.0	9.20	42.2	54.0	11.8	Horizontal
18475.0	28.9	12.90	41.8	54.0	12.2	Vertical
18475.0	29.0	13.20	42.2	54.0	11.8	Horizontal
23300.0	28.4	14.10	42.5	54.0	11.5	Vertical
23300.0	27.1	14.70	41.8	54.0	12.2	Horizontal
29125.0	27.0	15.30	42.3	54.0	11.7	Vertical
29125.0	27.3	15.10	42.4	54.0	11.6	Horizontal

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Result of Tx mode (5745.0 MHz) (802.11n20) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5650.0	45.0	0.60	45.6	68.2	22.6	Vertical
5650.0	46.1	0.56	46.7	68.2	21.6	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5650.0	38.0	0.60	38.6	54.0	15.4	Vertical
5650.0	38.5	0.56	39.1	54.0	14.9	Horizontal

Result of Tx mode (5745.0 MHz) (802.11n20) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (5745.0 MHz) (802.11n20) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11490.0	48.6	9.50	58.1	68.2	10.1	Vertical
11490.0	48.5	9.20	57.7	68.2	10.5	Horizontal
17235.0	42.7	12.90	55.6	68.2	12.6	Vertical
17235.0	43.2	13.20	56.4	68.2	11.8	Horizontal
22980.0	42.0	14.10	56.1	68.2	12.1	Vertical
22980.0	41.4	14.70	56.1	68.2	12.1	Horizontal
28725.0	41.0	15.30	56.3	68.2	11.9	Vertical
28725.0	41.5	15.10	56.6	68.2	11.6	Horizontal

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Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11490.0	31.8	9.50	41.3	54.0	12.7	Vertical
11490.0	33.0	9.20	42.2	54.0	11.8	Horizontal
17235.0	29.3	12.90	42.2	54.0	11.8	Vertical
17235.0	29.5	13.20	42.7	54.0	11.3	Horizontal
22980.0	28.0	14.10	42.1	54.0	11.9	Vertical
22980.0	27.7	14.70	42.4	54.0	11.6	Horizontal
28725.0	28.0	15.30	43.3	54.0	10.7	Vertical
28725.0	27.2	15.10	42.3	54.0	11.7	Horizontal

Result of Tx mode (5785 MHz) (802.11n20) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (5785 MHz) (802.11n20) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11570.0	48.9	9.50	58.4	68.2	9.8	Vertical
11570.0	48.0	9.20	57.2	68.2	11.0	Horizontal
17355.0	43.2	12.90	56.1	68.2	12.1	Vertical
17355.0	43.0	13.20	56.2	68.2	12.0	Horizontal
23140.0	41.4	14.10	55.5	68.2	12.7	Vertical
23140.0	41.8	14.70	56.5	68.2	11.7	Horizontal
28925.0	41.3	15.30	56.6	68.2	11.6	Vertical
28925.0	40.8	15.10	55.9	68.2	12.3	Horizontal

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Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBuV	Correction Factor dB/m	Field Strength dBuV/m	Limit @3m dBuV/m	Margin dB	E-Field Polarity
11570.0	33.3	9.50	42.8	54.0	11.2	Vertical
11570.0	34.2	9.20	43.4	54.0	10.6	Horizontal
17355.0	29.6	12.90	42.5	54.0	11.5	Vertical
17355.0	28.9	13.20	42.1	54.0	11.9	Horizontal
23140.0	28.0	14.10	42.1	54.0	11.9	Vertical
23140.0	26.9	14.70	41.6	54.0	12.4	Horizontal
28925.0	27.4	15.30	42.7	54.0	11.3	Vertical
28925.0	27.2	15.10	42.3	54.0	11.7	Horizontal

Result of Tx mode (5825.0 MHz) (802.11n20) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5925.0	47.5	0.60	48.1	68.2	20.1	Vertical
5925.0	47.1	0.56	47.7	68.2	20.6	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5925.0	38.9	0.60	39.5	54.0	14.5	Vertical
5925.0	39.2	0.56	39.8	54.0	14.2	Horizontal

Result of Tx mode (5825 MHz) (802.11n20) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

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Result of Tx mode (5825 MHz) (802.11n20) (1GHz-25GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11650.0	48.2	9.50	57.7	68.2	10.5	Vertical
11650.0	49.0	9.20	58.2	68.2	10.0	Horizontal
18475.0	44.1	12.90	57.0	68.2	11.2	Vertical
18475.0	43.6	13.20	56.8	68.2	11.4	Horizontal
23300.0	42.4	14.10	56.5	68.2	11.7	Vertical
23300.0	41.5	14.70	56.2	68.2	12.0	Horizontal
29125.0	41.0	15.30	56.3	68.2	11.9	Vertical
29125.0	40.8	15.10	55.9	68.2	12.3	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11650.0	33.3	9.50	42.8	54.0	11.2	Vertical
11650.0	33.1	9.20	42.3	54.0	11.7	Horizontal
18475.0	29.2	12.90	42.1	54.0	11.9	Vertical
18475.0	28.8	13.20	42.0	54.0	12.0	Horizontal
23300.0	28.0	14.10	42.1	54.0	11.9	Vertical
23300.0	27.5	14.70	42.2	54.0	11.8	Horizontal
29125.0	26.8	15.30	42.1	54.0	11.9	Vertical
29125.0	26.5	15.10	41.6	54.0	12.4	Horizontal

Result of Tx mode (5190.0 MHz) (802.11n40) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5150.0	48.2	0.80	49.0	74.0	25.0	Vertical
5150.0	48.0	0.50	48.5	74.0	25.5	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5150.0	38.0	0.80	38.8	54.0	15.2	Vertical
5150.0	37.7	0.50	38.2	54.0	15.8	Horizontal

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Result of Tx mode (5190.0 MHz) (802.11n40) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (5190.0 MHz) (802.11n40) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10380.0	48.9	8.90	57.8	68.2	10.4	Vertical
10380.0	49.3	8.70	58.0	68.2	10.2	Horizontal
15570.0	44.5	11.80	56.3	68.2	11.9	Vertical
15570.0	44.0	11.90	55.9	68.2	12.3	Horizontal
20760.0	43.3	12.20	55.5	68.2	12.7	Vertical
20760.0	43.0	12.40	55.4	68.2	12.8	Horizontal
25950.0	43.1	13.10	56.2	68.2	12.0	Vertical
25950.0	42.6	13.30	55.9	68.2	12.3	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10380.0	33.5	8.90	42.4	54.0	11.6	Vertical
10380.0	33.6	8.70	42.3	54.0	11.7	Horizontal
15570.0	30.2	11.80	42.0	54.0	12.0	Vertical
15570.0	30.9	11.90	42.8	54.0	11.2	Horizontal
20760.0	30.4	12.20	42.6	54.0	11.4	Vertical
20760.0	29.5	12.40	41.9	54.0	12.1	Horizontal
25950.0	29.0	13.10	42.1	54.0	11.9	Vertical
25950.0	29.0	13.30	42.3	54.0	11.7	Horizontal

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Result of Tx mode (5230 MHz) (802.11n40) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (5230 MHz) (802.11n40) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
10460.0	48.6	8.90	57.5	68.2	10.7	Vertical
10460.0	49.0	8.70	57.7	68.2	10.5	Horizontal
15690.0	45.0	11.80	56.8	68.2	11.4	Vertical
15690.0	44.5	11.90	56.4	68.2	11.8	Horizontal
20920.0	44.0	12.20	56.2	68.2	12.0	Vertical
20920.0	43.2	12.40	55.6	68.2	12.6	Horizontal
26150.0	42.9	13.10	56.0	68.2	12.2	Vertical
26150.0	43.5	13.30	56.8	68.2	11.4	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBuV	Correction Factor dB/m	Field Strength dBuV/m	Limit @3m dBuV/m	Margin dB	E-Field Polarity
10460.0	33.5	8.90	42.4	54.0	11.6	Vertical
40160.0	33.6	8.70	42.3	54.0	11.7	Horizontal
15690.0	30.8	11.80	42.6	54.0	11.4	Vertical
15690.0	30.0	11.90	41.9	54.0	12.1	Horizontal
20920.0	30.1	12.20	42.3	54.0	11.7	Vertical
20920.0	29.8	12.40	42.2	54.0	11.8	Horizontal
26150.0	29.0	13.10	42.1	54.0	11.9	Vertical
26150.0	28.2	13.30	41.5	54.0	12.5	Horizontal

Result of Tx mode (5755.0 MHz) (802.11n40) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5650.0	44.5	0.60	45.1	68.2	23.1	Vertical
5650.0	45.6	0.56	46.2	68.2	22.1	Horizontal

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Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5650.0	37.7	0.60	38.3	54.0	15.7	Vertical
5650.0	38.0	0.56	38.6	54.0	15.4	Horizontal

Result of Tx mode (5755 MHz) (802.11n40) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

Result of Tx mode (5755 MHz) (802.11n40) (1GHz-25GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11510.0	48.4	9.50	57.9	68.2	10.3	Vertical
11510.0	49.0	9.20	58.2	68.2	10.0	Horizontal
17265.0	43.6	12.90	56.5	68.2	11.7	Vertical
17265.0	43.8	13.20	57.0	68.2	11.2	Horizontal
23020.0	42.2	14.10	56.3	68.2	11.9	Vertical
23020.0	41.9	14.70	56.6	68.2	11.6	Horizontal
28775.0	41.0	15.30	56.3	68.2	11.9	Vertical
28775.0	41.1	15.10	56.2	68.2	12.0	Horizontal

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Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11510.0	33.0	9.50	42.5	54.0	11.5	Vertical
11510.0	32.9	9.20	42.1	54.0	11.9	Horizontal
17265.0	29.5	12.90	42.4	54.0	11.6	Vertical
17265.0	29.0	13.20	42.2	54.0	11.8	Horizontal
23020.0	28.4	14.10	42.5	54.0	11.5	Vertical
23020.0	27.1	14.70	41.8	54.0	12.2	Horizontal
28775.0	26.8	15.30	42.1	54.0	11.9	Vertical
28775.0	27.6	15.10	42.7	54.0	11.3	Horizontal

Result of Tx mode (5795.0 MHz) (802.11n40) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5925.0	47.6	0.60	48.2	74.0	25.8	Vertical
5925.0	47.1	0.56	47.7	74.0	26.3	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
5925.0	38.7	0.60	39.3	54.0	14.7	Vertical
5925.0	38.5	0.56	39.1	54.0	14.9	Horizontal

Result of Tx mode (5795 MHz) (802.11n40) (9kHz – 30MHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level dBμV	Correction Factor dB/m	Field Strength dBμV/m	Field Strength μV/m	Limit μV/m	E-Field Polarity
Emissions detected are more than 20 dB below the FCC Limits						

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Result of Tx mode (5795 MHz) (802.11n40) (1GHz-40GHz): Pass

Field Strength of Spurious Emissions Peak Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11590.0	48.0	9.50	57.5	68.2	10.7	Vertical
11590.0	48.2	9.20	57.4	68.2	10.8	Horizontal
17385.0	43.3	12.90	56.2	68.2	12.0	Vertical
17385.0	44.0	13.20	57.2	68.2	11.0	Horizontal
23180.0	42.5	14.10	56.6	68.2	11.6	Vertical
23180.0	42.1	14.70	56.8	68.2	11.4	Horizontal
28975.0	41.6	15.30	56.9	68.2	11.3	Vertical
28975.0	41.0	15.10	56.1	68.2	12.1	Horizontal

Field Strength of Spurious Emissions Average Value						
Frequency MHz	Measured Level @3m dBμV	Correction Factor dB/m	Field Strength dBμV/m	Limit @3m dBμV/m	Margin dB	E-Field Polarity
11590.0	31.6	9.50	41.1	54.0	12.9	Vertical
11590.0	32.3	9.20	41.5	54.0	12.5	Horizontal
17385.0	29.8	12.90	42.7	54.0	11.3	Vertical
17385.0	29.4	13.20	42.6	54.0	11.4	Horizontal
23180.0	28.1	14.10	42.2	54.0	11.8	Vertical
23180.0	27.5	14.70	42.2	54.0	11.8	Horizontal
28975.0	26.6	15.30	41.9	54.0	12.1	Vertical
28975.0	27.5	15.10	42.6	54.0	11.4	Horizontal

Remarks:

No additional spurious emissions found between lowest internal used/generated frequency and 30 MHz

* Denotes restricted band of operation.

Measurements were made using a peak detector. Any emission less than 1000MHz and falling within the restricted bands of FCC Rules Part 15 Section 15.205 and the limits of FCC Rules Part 15 Section 15.209 were applied.

Correction Factor included Antenna Factor and Cable Attenuation.

Calculated measurement (9kHz-30MHz): 2.0dB

uncertainty (30MHz -1GHz): 4.9dB

(1GHz -26GHz): 4.02dB

Emissions in the vertical and horizontal polarizations have been investigated and the worst-case test results are recorded in this report.

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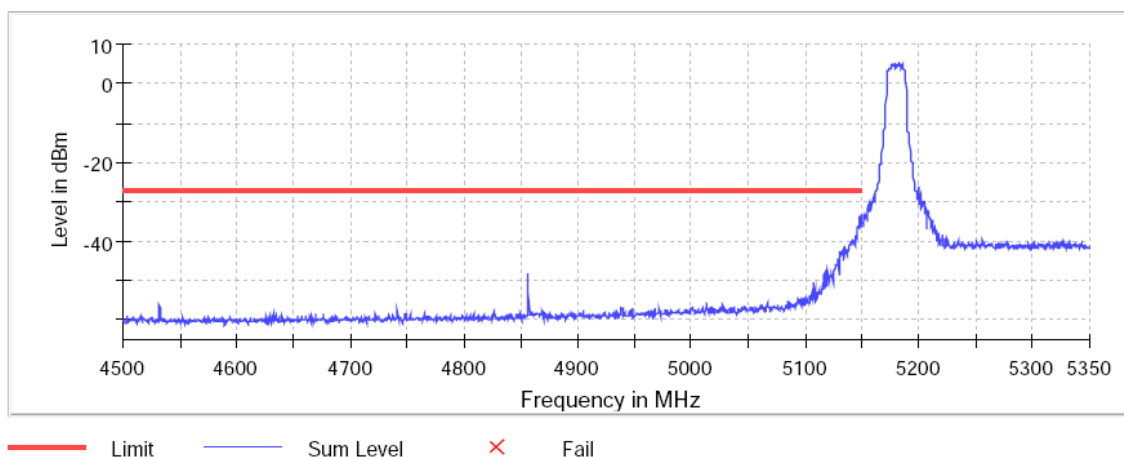
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Undesirable emission:

Result: (Lowest)-802.11a 5180MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5149.750000	-33.2	6.2	-27.0	PASS
5148.250000	-33.8	6.8	-27.0	PASS
5149.250000	-34.8	7.8	-27.0	PASS
5147.250000	-35.7	8.7	-27.0	PASS
5146.750000	-35.9	8.9	-27.0	PASS
5146.250000	-36.2	9.2	-27.0	PASS
5148.750000	-36.3	9.3	-27.0	PASS
5147.750000	-37.0	10.0	-27.0	PASS
5145.250000	-38.5	11.5	-27.0	PASS
5144.750000	-38.9	11.9	-27.0	PASS
5144.250000	-39.1	12.1	-27.0	PASS
5143.750000	-39.4	12.4	-27.0	PASS
5145.750000	-39.9	12.9	-27.0	PASS
5141.750000	-40.3	13.3	-27.0	PASS
5142.750000	-40.3	13.3	-27.0	PASS

Band Edge



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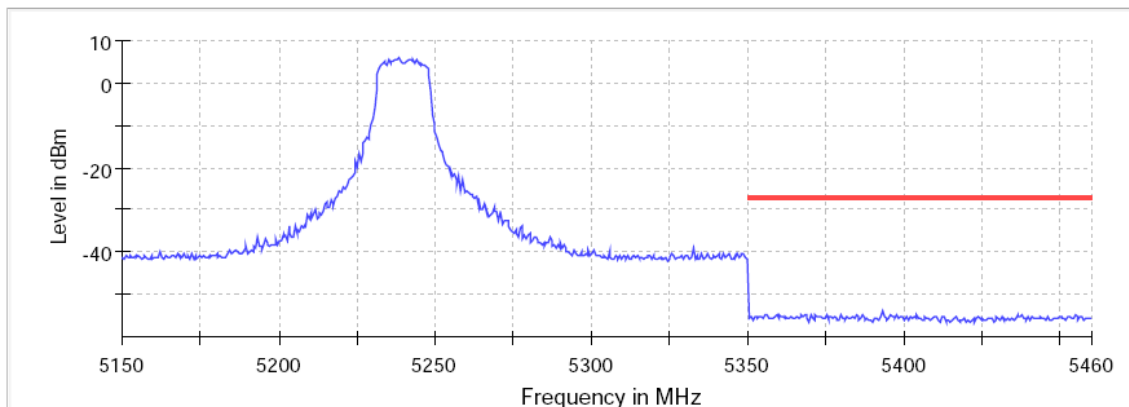
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Result: (High)-802.11a 5240MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5393.250000	-53.9	26.9	-27.0	PASS
5375.250000	-54.6	27.6	-27.0	PASS
5367.250000	-54.7	27.7	-27.0	PASS
5359.250000	-54.7	27.7	-27.0	PASS
5397.750000	-54.7	27.7	-27.0	PASS
5384.750000	-54.7	27.7	-27.0	PASS
5368.250000	-54.7	27.7	-27.0	PASS
5368.750000	-54.8	27.8	-27.0	PASS
5379.750000	-54.9	27.9	-27.0	PASS
5356.250000	-54.9	27.9	-27.0	PASS
5370.250000	-54.9	27.9	-27.0	PASS
5371.750000	-54.9	27.9	-27.0	PASS
5436.250000	-54.9	27.9	-27.0	PASS
5355.750000	-54.9	27.9	-27.0	PASS
5386.750000	-54.9	27.9	-27.0	PASS

Band Edge



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Test Report

Date : 2026-04-27

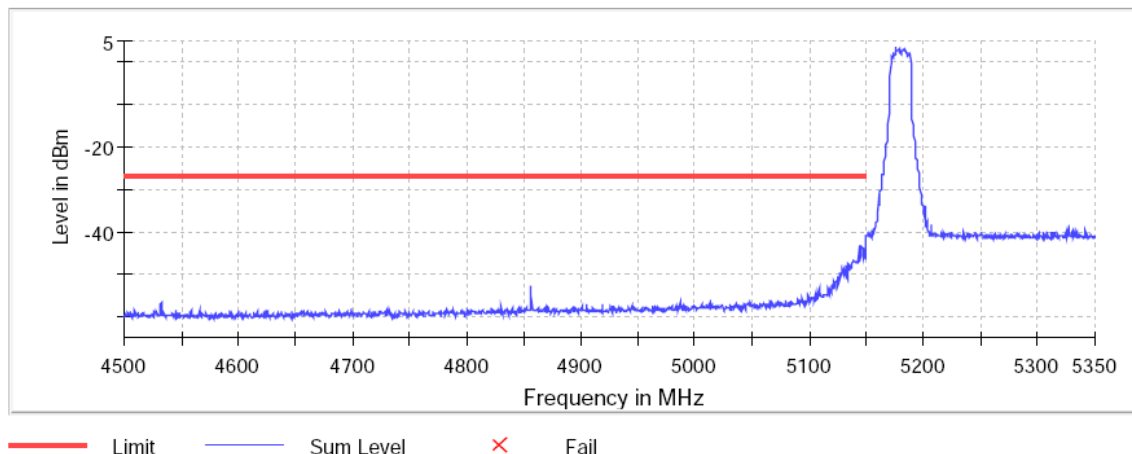
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No. : HMD26040002

Result: (Lowest)-802.11n20 5180MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5143.250000	-43.1	16.1	-27.0	PASS
5146.250000	-43.6	16.6	-27.0	PASS
5146.750000	-44.2	17.2	-27.0	PASS
5148.750000	-44.5	17.5	-27.0	PASS
5147.250000	-44.6	17.6	-27.0	PASS
5145.750000	-45.0	18.0	-27.0	PASS
5149.250000	-45.2	18.2	-27.0	PASS
5145.250000	-45.6	18.6	-27.0	PASS
5147.750000	-45.8	18.8	-27.0	PASS
5144.250000	-46.3	19.3	-27.0	PASS
5148.250000	-46.3	19.3	-27.0	PASS
5144.750000	-46.5	19.5	-27.0	PASS
5149.750000	-46.7	19.7	-27.0	PASS
5138.750000	-46.8	19.8	-27.0	PASS
5141.250000	-46.8	19.8	-27.0	PASS

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Date : 2026-04-27

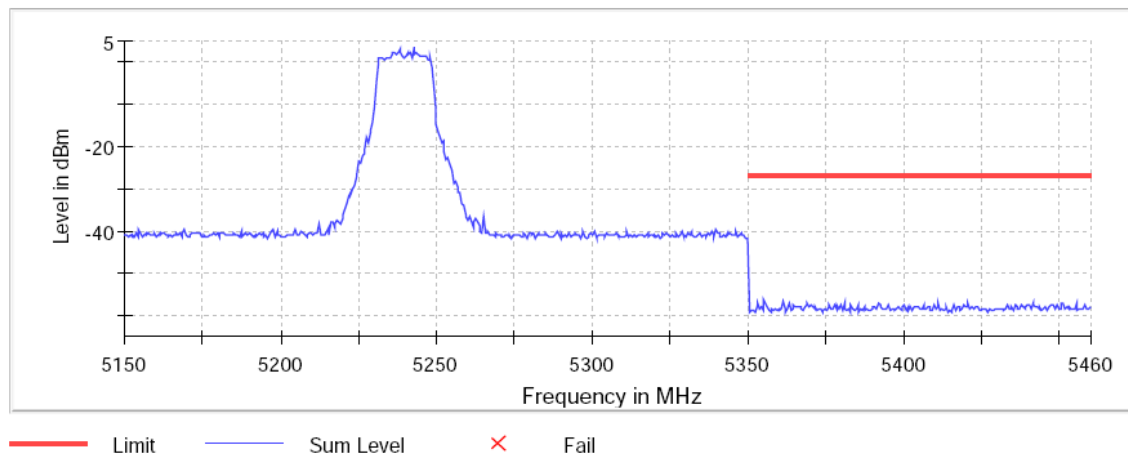
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No. : HMD26040002

Result: (High)-802.11n20 5240MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5355.250000	-56.3	29.3	-27.0	PASS
5361.250000	-56.5	29.5	-27.0	PASS
5380.750000	-57.0	30.0	-27.0	PASS
5450.750000	-57.0	30.0	-27.0	PASS
5353.250000	-57.0	30.0	-27.0	PASS
5420.750000	-57.1	30.1	-27.0	PASS
5391.750000	-57.1	30.1	-27.0	PASS
5355.750000	-57.1	30.1	-27.0	PASS
5451.250000	-57.1	30.1	-27.0	PASS
5411.250000	-57.2	30.2	-27.0	PASS
5369.250000	-57.2	30.2	-27.0	PASS
5363.250000	-57.2	30.2	-27.0	PASS
5455.250000	-57.2	30.2	-27.0	PASS
5441.250000	-57.2	30.2	-27.0	PASS
5447.250000	-57.4	30.4	-27.0	PASS

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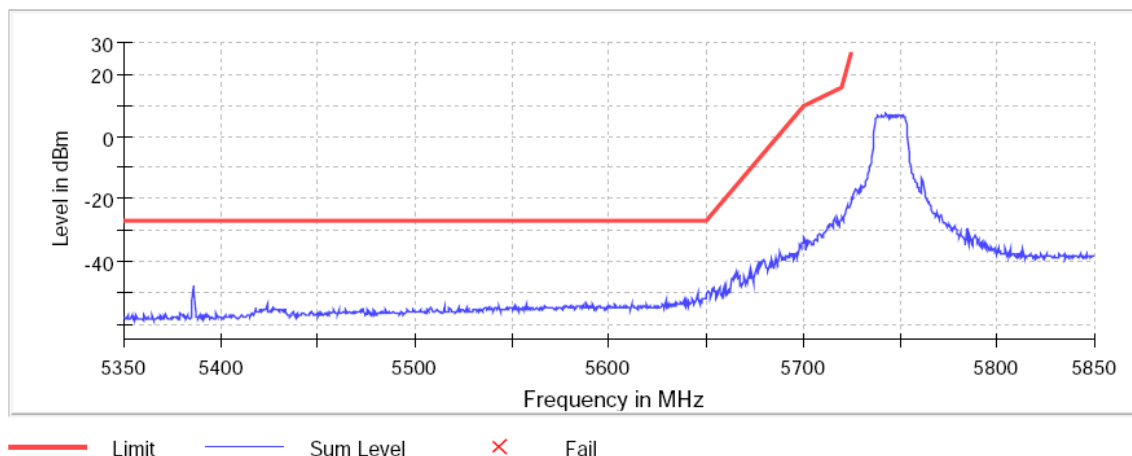
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No. : HMD26040002

Result: (Lowest)-802.11a 5745MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5385.750000	-48.0	21.0	-27.0	PASS
5386.250000	-49.5	22.5	-27.0	PASS
5650.750000	-49.5	23.0	-26.4	PASS
5645.250000	-50.1	23.1	-27.0	PASS
5651.250000	-49.6	23.5	-26.1	PASS
5650.250000	-50.5	23.7	-26.8	PASS
5653.750000	-48.3	24.0	-24.2	PASS
5653.250000	-48.7	24.1	-24.6	PASS
5651.750000	-50.3	24.6	-25.7	PASS
5649.250000	-51.7	24.7	-27.0	PASS
5645.750000	-51.8	24.8	-27.0	PASS
5642.750000	-51.9	24.9	-27.0	PASS
5648.250000	-51.9	24.9	-27.0	PASS
5648.750000	-52.0	25.0	-27.0	PASS
5649.750000	-52.1	25.1	-27.0	PASS

Band Edge



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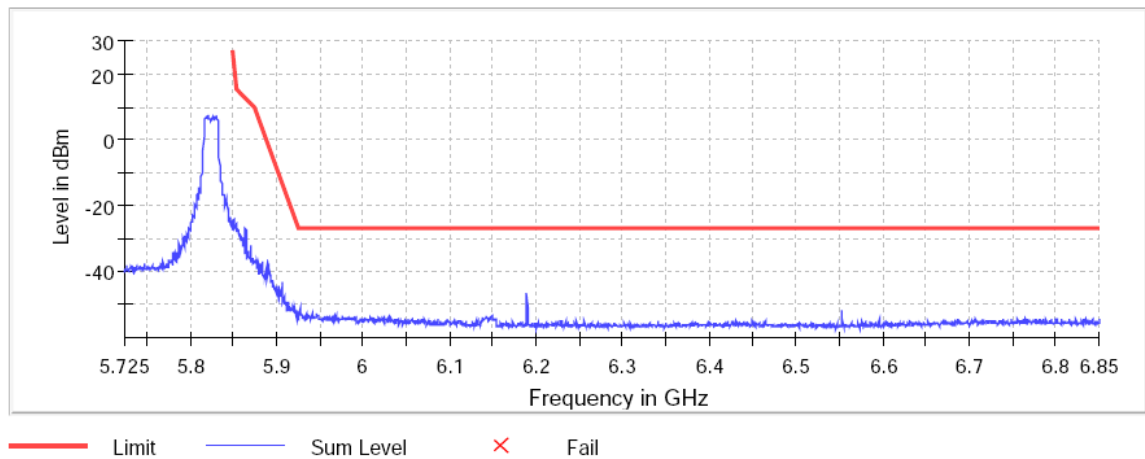
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No. : HMD26040002

Result: (High)-802.11a 5825MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6189.250000	-46.7	19.7	-27.0	PASS
6188.750000	-47.5	20.5	-27.0	PASS
6189.750000	-50.8	23.8	-27.0	PASS
5926.750000	-50.9	23.9	-27.0	PASS
6553.250000	-51.7	24.7	-27.0	PASS
5925.750000	-52.3	25.3	-27.0	PASS
5927.750000	-52.6	25.6	-27.0	PASS
6552.750000	-52.7	25.7	-27.0	PASS
5945.750000	-52.8	25.8	-27.0	PASS
5923.250000	-51.6	25.9	-25.7	PASS
5940.750000	-52.9	25.9	-27.0	PASS
5933.750000	-52.9	25.9	-27.0	PASS
5934.250000	-52.9	25.9	-27.0	PASS
5928.750000	-52.9	25.9	-27.0	PASS
5925.250000	-52.9	25.9	-27.0	PASS

Band Edge



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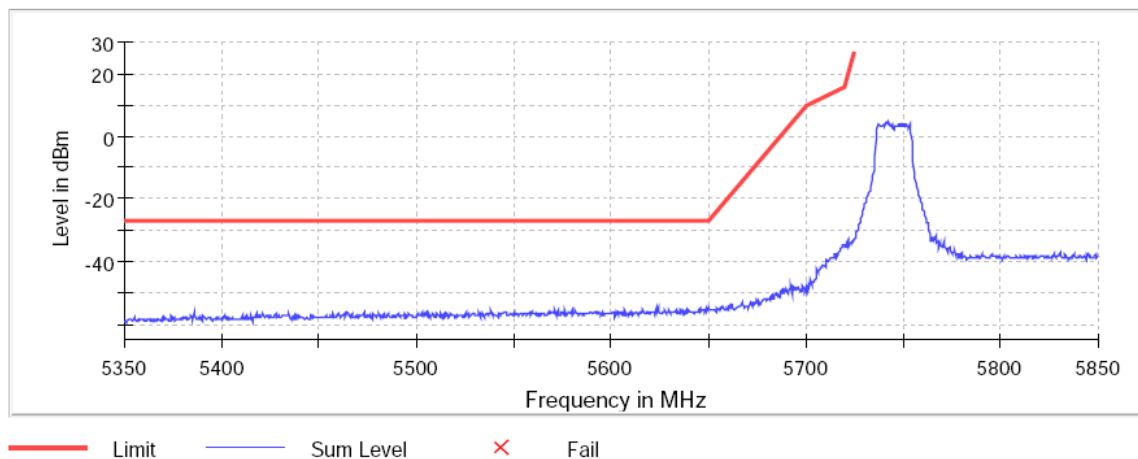
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No. : HMD26040002

Result: (Lowest)-802.11n20 5745MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5649.750000	-54.8	27.8	-27.0	PASS
5622.750000	-54.9	27.9	-27.0	PASS
5648.750000	-54.9	27.9	-27.0	PASS
5623.750000	-55.0	28.0	-27.0	PASS
5645.250000	-55.2	28.2	-27.0	PASS
5647.250000	-55.3	28.3	-27.0	PASS
5646.750000	-55.3	28.3	-27.0	PASS
5636.750000	-55.4	28.4	-27.0	PASS
5571.250000	-55.4	28.4	-27.0	PASS
5644.750000	-55.4	28.4	-27.0	PASS
5627.250000	-55.5	28.5	-27.0	PASS
5639.750000	-55.5	28.5	-27.0	PASS
5638.250000	-55.5	28.5	-27.0	PASS
5572.750000	-55.5	28.5	-27.0	PASS
5629.750000	-55.5	28.5	-27.0	PASS

Band Edge



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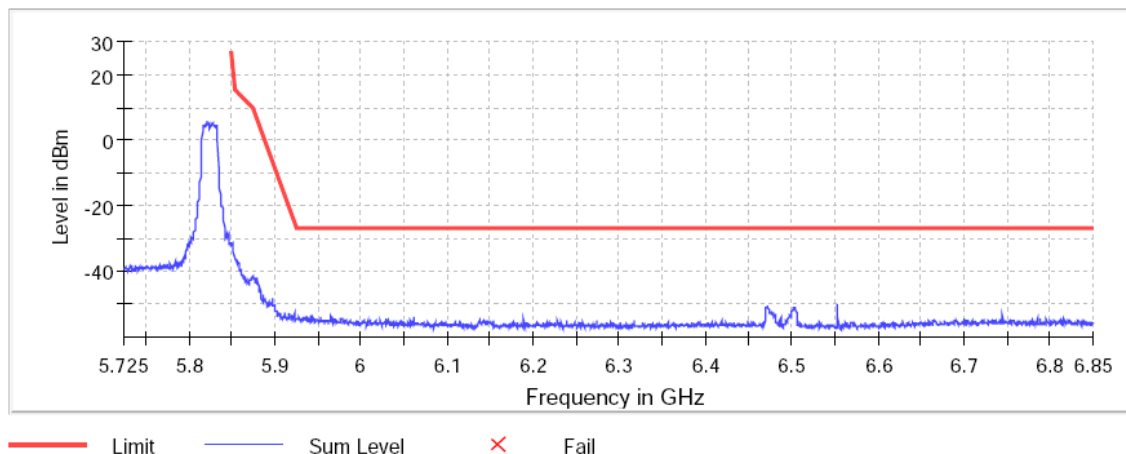
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No. : HMD26040002

Result: (High)-802.11n20 5825MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6552.750000	-50.1	23.1	-27.0	PASS
6472.250000	-50.6	23.6	-27.0	PASS
6553.250000	-50.7	23.7	-27.0	PASS
6470.250000	-50.8	23.8	-27.0	PASS
6470.750000	-50.8	23.8	-27.0	PASS
6471.250000	-50.9	23.9	-27.0	PASS
6472.750000	-51.0	24.0	-27.0	PASS
6504.750000	-51.0	24.0	-27.0	PASS
6471.750000	-51.0	24.0	-27.0	PASS
6502.750000	-51.0	24.0	-27.0	PASS
6469.750000	-51.0	24.0	-27.0	PASS
6503.250000	-51.1	24.1	-27.0	PASS
6469.250000	-51.4	24.4	-27.0	PASS
6473.750000	-51.4	24.4	-27.0	PASS
6504.250000	-51.6	24.6	-27.0	PASS

Band Edge



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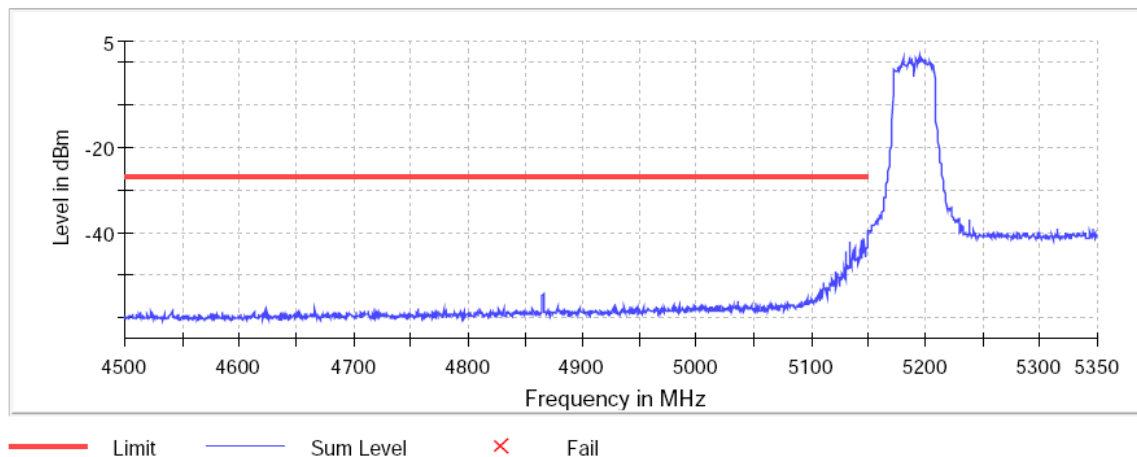
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No. : HMD26040002

Result: (Lowest)-802.11n40 5190MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5146.250000	-41.4	14.4	-27.0	PASS
5143.250000	-41.8	14.8	-27.0	PASS
5133.750000	-42.1	15.1	-27.0	PASS
5149.250000	-43.1	16.1	-27.0	PASS
5149.750000	-43.5	16.5	-27.0	PASS
5147.750000	-43.5	16.5	-27.0	PASS
5148.750000	-43.5	16.5	-27.0	PASS
5138.250000	-43.7	16.7	-27.0	PASS
5136.250000	-43.8	16.8	-27.0	PASS
5142.250000	-43.8	16.8	-27.0	PASS
5148.250000	-44.0	17.0	-27.0	PASS
5137.750000	-44.3	17.3	-27.0	PASS
5145.250000	-44.5	17.5	-27.0	PASS
5145.750000	-44.5	17.5	-27.0	PASS
5129.750000	-44.5	17.5	-27.0	PASS

Band Edge



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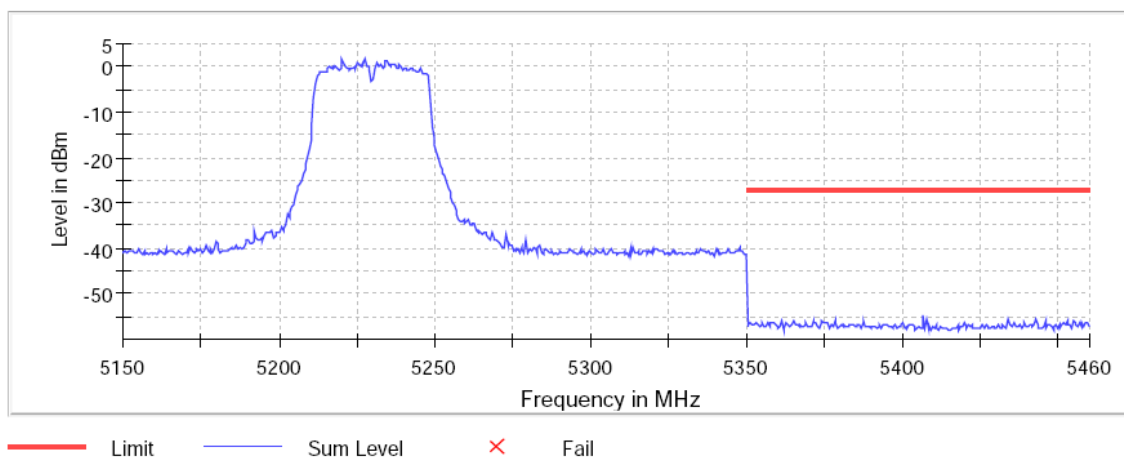
Date : 2026-04-27
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Result: (High)-802.11n40 5230MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5406.750000	-54.6	27.6	-27.0	PASS
5407.750000	-55.4	28.4	-27.0	PASS
5433.750000	-55.5	28.5	-27.0	PASS
5442.750000	-55.7	28.7	-27.0	PASS
5387.750000	-55.7	28.7	-27.0	PASS
5365.250000	-55.8	28.8	-27.0	PASS
5371.250000	-55.9	28.9	-27.0	PASS
5445.750000	-55.9	28.9	-27.0	PASS
5454.750000	-55.9	28.9	-27.0	PASS
5374.250000	-56.0	29.0	-27.0	PASS
5452.750000	-56.0	29.0	-27.0	PASS
5361.250000	-56.0	29.0	-27.0	PASS
5378.250000	-56.1	29.1	-27.0	PASS
5374.750000	-56.1	29.1	-27.0	PASS
5435.750000	-56.2	29.2	-27.0	PASS

Band Edge



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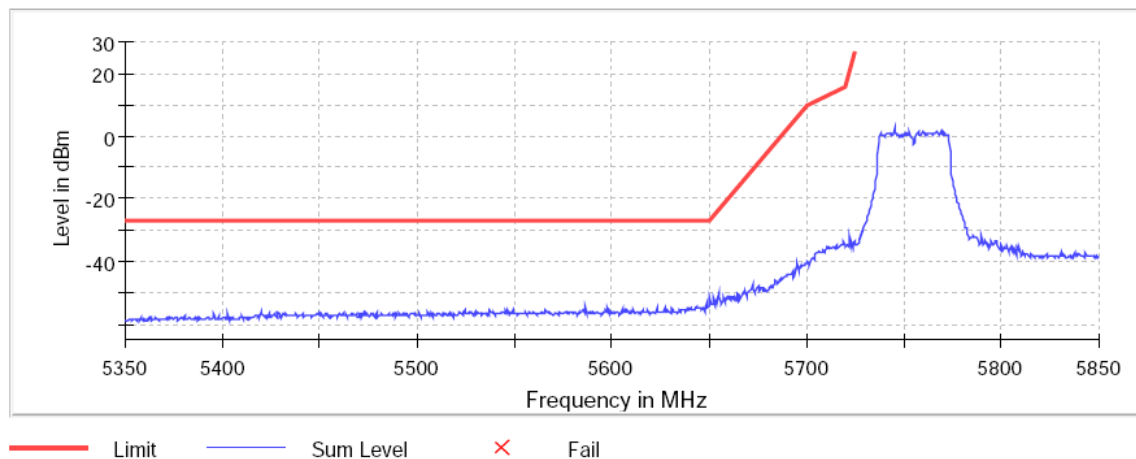
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No. : HMD26040002

Result: (Lowest)-802.11n40 5755MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
5650.250000	-51.5	24.7	-26.8	PASS
5652.250000	-51.3	26.0	-25.3	PASS
5648.750000	-53.0	26.0	-27.0	PASS
5654.750000	-50.3	26.8	-23.5	PASS
5650.750000	-53.7	27.3	-26.4	PASS
5649.750000	-54.4	27.4	-27.0	PASS
5651.250000	-53.5	27.4	-26.1	PASS
5643.250000	-54.5	27.5	-27.0	PASS
5586.250000	-54.6	27.6	-27.0	PASS
5649.250000	-54.6	27.6	-27.0	PASS
5644.750000	-54.7	27.7	-27.0	PASS
5644.250000	-54.7	27.7	-27.0	PASS
5647.750000	-54.7	27.7	-27.0	PASS
5642.750000	-54.7	27.7	-27.0	PASS
5653.750000	-52.0	27.7	-24.2	PASS

Band Edge



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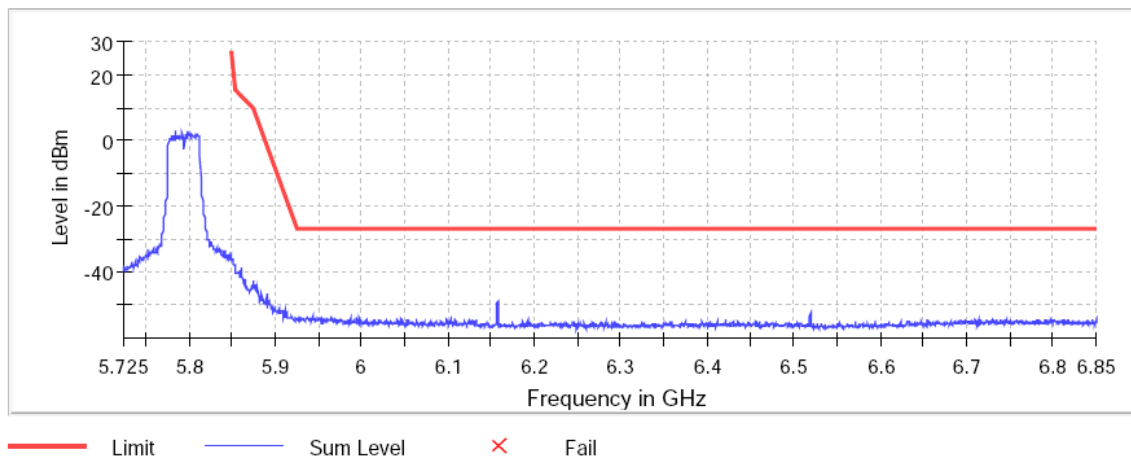
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No. : HMD26040002

Result: (High)-802.11n40 5795MHz, Undesirable emission of Band-edge Compliance

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
6157.250000	-48.7	21.7	-27.0	PASS
6156.750000	-49.2	22.2	-27.0	PASS
6157.750000	-50.1	23.1	-27.0	PASS
6519.250000	-52.2	25.2	-27.0	PASS
6519.750000	-52.6	25.6	-27.0	PASS
6156.250000	-52.8	25.8	-27.0	PASS
5964.750000	-53.4	26.4	-27.0	PASS
5928.250000	-53.4	26.4	-27.0	PASS
6518.750000	-53.5	26.5	-27.0	PASS
5943.250000	-53.5	26.5	-27.0	PASS
5936.250000	-53.5	26.5	-27.0	PASS
5950.750000	-53.6	26.6	-27.0	PASS
5945.750000	-53.6	26.6	-27.0	PASS
5941.250000	-53.6	26.6	-27.0	PASS
5969.750000	-53.6	26.6	-27.0	PASS

Band Edge



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Limits for Radiated Emissions FCC 47 CFR 15.247|:

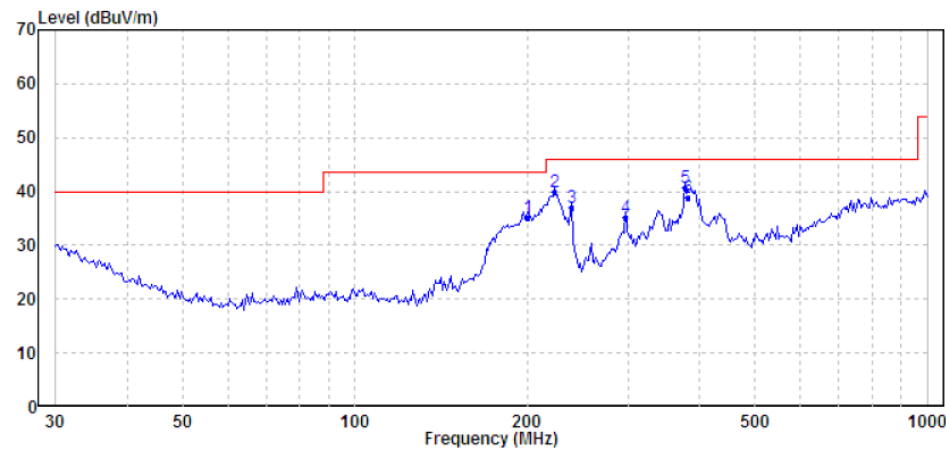
Frequency Range	Quasi-Peak Limits
[MHz]	[μ V/m]
0.009-0.490	2400/F (kHz)
0.490-1.705	24000/F (kHz)
1.705-30	30
30-88	100
88-216	150
216-960	200
Above960	500

The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector and above 1000MHz are based on measurements employing an average detector.

Results of WIFI TX mode: Pass

Please refer to the following table for result details (The data is the worst cases)

Horizontal



Ambient Temperature: 25.1 °C
Relative Humidity : 53.6%
Air Pressure : 100.9kPa

	Freq	Level	Limit	Over	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB		
1	200.688	35.19	43.50	-8.31	QP	Horizontal
2	222.950	39.91	46.00	-6.09	QP	Horizontal
3	239.147	37.03	46.00	-8.97	QP	Horizontal
4	297.224	35.14	46.00	-10.86	QP	Horizontal
5	377.259	40.65	46.00	-5.35	QP	Horizontal
6	382.588	38.82	46.00	-7.18	QP	Horizontal

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Test Report

Date : 2026-04-27
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Limits for Radiated Emissions FCC 47 CFR 15.247 Class B1:

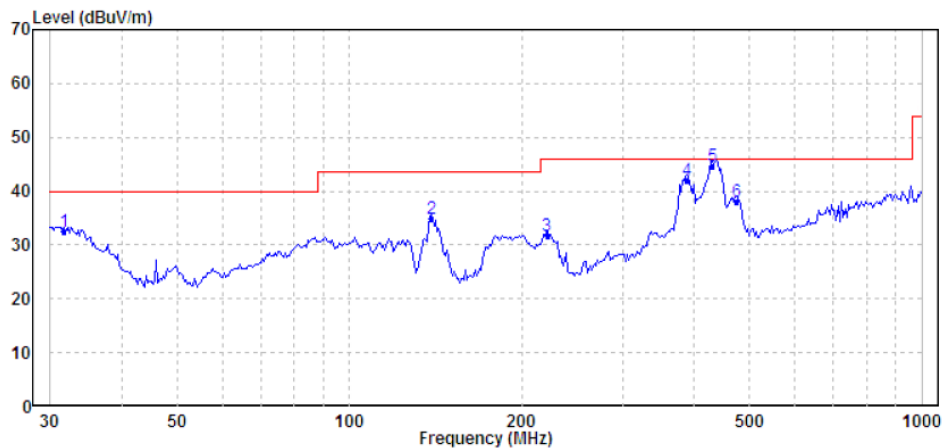
Frequency Range	Quasi-Peak Limits
[MHz]	[$\mu\text{V/m}$]
0.009-0.490	2400/F (kHz)
0.490-1.705	24000/F (kHz)
1.705-30	30
30-88	100
88-216	150
216-960	200
Above 960	500

The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector and above 1000MHz are based on measurements employing an average detector.

Results of WIFI TX mode: Pass

Please refer to the following table for result details (The data is the worst cases)

Vertical



Ambient Temperature: 25.1 °C
Relative Humidity : 53.6%
Air Pressure : 100.9kPa

	Freq	Level	Limit	Over	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB		
1	31.731	32.40	40.00	-7.60	QP	Vertical
2	139.361	34.90	43.50	-8.60	QP	Vertical
3	221.392	31.78	46.00	-14.22	QP	Vertical
4	387.992	42.02	46.00	-3.98	QP	Vertical
5	431.032	44.62	46.00	-1.38	QP	Vertical
6	475.499	38.08	46.00	-7.92	QP	Vertical

Remarks: Calculated measurement uncertainty (30MHz – 1GHz): 4.9dB

Emissions in the vertical and horizontal polarizations have been investigated and the worst-case test results are recorded in this report.

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Test Report

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3.1.3 AC Mains Conducted Emissions (0.15MHz to 30MHz)

Test Requirement:	FCC 47CFR 15.207
Test Method:	ANSI C63.10:2020
Test Date:	2026-03-18
Mode of Operation:	WIFI TX mode
Test Voltage:	120V a.c. 60Hz

Ambient Temperature: 25°C	Relative Humidity: 51%	Atmospheric Pressure: 101 kPa
---------------------------	------------------------	-------------------------------

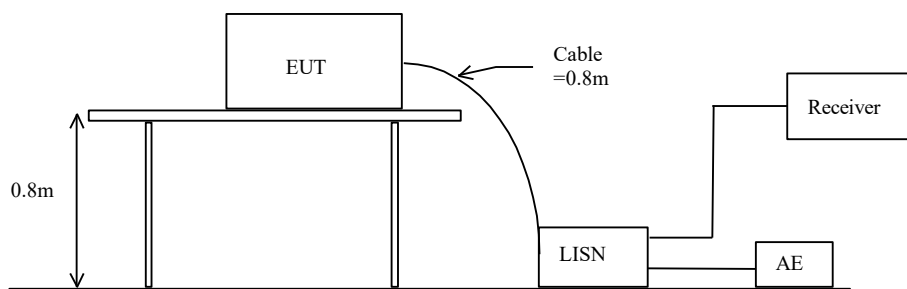
Test Method:

The test was performed in accordance with ANSI C63.10:2020, with the following: an initial measurement was performed in peak and average detection mode on the live line, any emissions recorded within 30dB of the relevant limit line were re-measured using quasi-peak and average detection on the live and neutral lines with the worst case recorded in the table of results.

Receiver Setting:

Bandw. = 9 kHz, Meas. Time= 10.0 ms, Step Width = 5.0kHz
 Detector = MaxPeak and CISPR AV

Test Setup:



Limits for Conducted Emissions (FCC 47 CFR 15.207):

Frequency Range [MHz]	Quasi-Peak Limits [dBμV]	Average [dBμV]
0.15-0.5	66 to 56*	56 to 46*
0.5-5.0	56	46
5.0-30.0	60	50

* Decreases with the logarithm of the frequency.

Remarks:

Calculated measurement uncertainty (0.15MHz – 30MHz): 3.25dB

-*- Emission(s) that is far below the corresponding limit line.

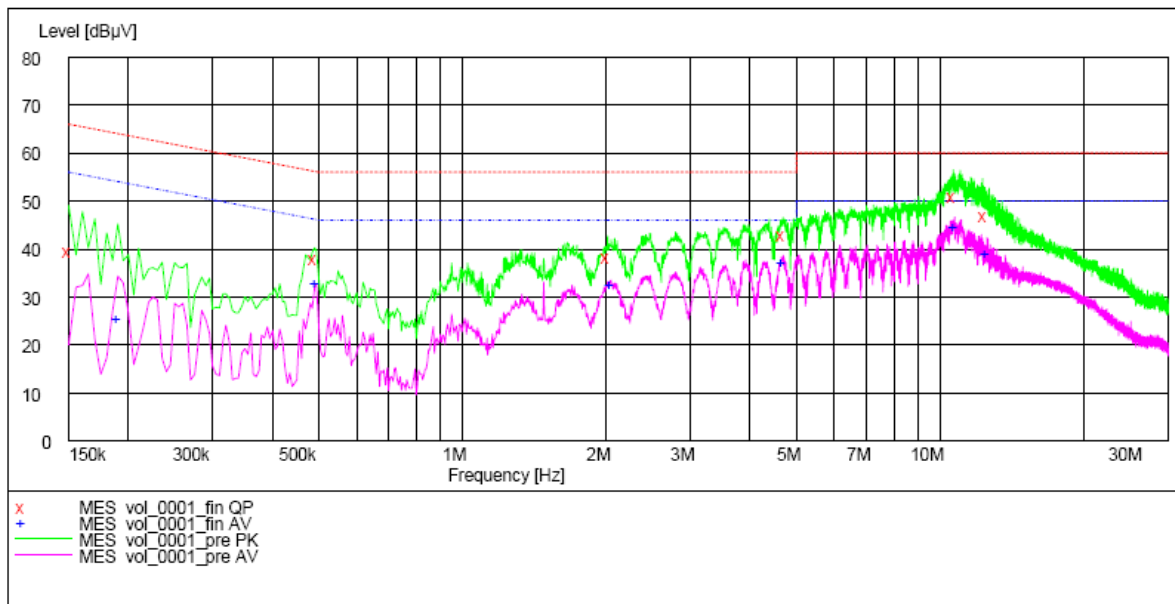
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Results of WIFI TX mode (L): PASS

Please refer to the following diagram for individual results.



MEASUREMENT RESULT: "vol_0001_fin QP"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.150000	39.70	9.6	66	26.3	L1	GND
0.490000	38.30	9.6	56	17.8	L1	GND
2.010000	38.50	9.7	56	17.5	L1	GND
4.690000	43.20	9.7	56	12.8	L1	GND
10.640000	51.30	9.9	60	8.7	L1	GND
12.410000	47.20	10.0	60	12.8	L1	GND

MEASUREMENT RESULT: "vol_0001_fin AV"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.190000	25.70	9.6	54	28.4	L1	GND
0.495000	32.90	9.6	46	13.2	L1	GND
2.050000	32.80	9.7	46	13.2	L1	GND
4.690000	37.40	9.7	46	8.6	L1	GND
10.735000	44.80	10.0	50	5.2	L1	GND
12.530000	39.30	10.1	50	10.7	L1	GND



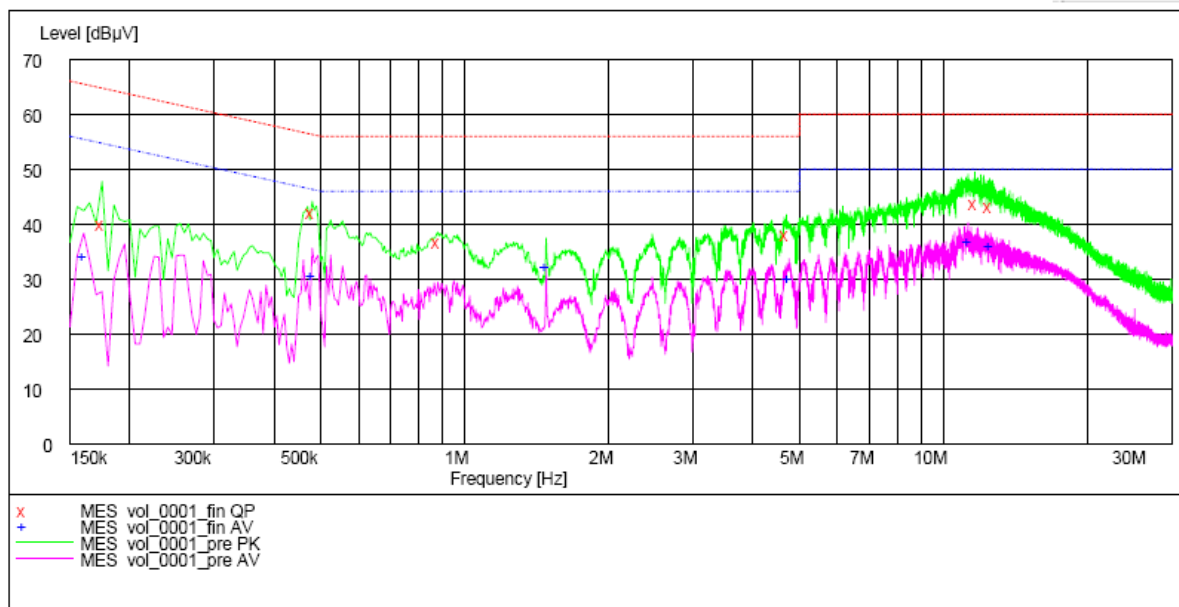
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Results of WIFI TX mode (N): PASS

Please refer to the following diagram for individual results.



MEASUREMENT RESULT: "vol_0001_fin QP"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.175000	40.20	9.6	65	24.5	N	GND
0.480000	42.40	9.6	56	13.9	N	GND
0.880000	37.10	9.7	56	18.9	N	GND
4.695000	38.30	9.7	56	17.7	N	GND
11.630000	43.90	10.0	60	16.1	N	GND
12.485000	43.40	10.1	60	16.6	N	GND

MEASUREMENT RESULT: "vol_0001_fin AV"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.160000	34.20	9.6	56	21.3	N	GND
0.480000	30.80	9.6	46	15.6	N	GND
1.480000	32.40	9.7	46	13.6	N	GND
4.755000	30.30	9.7	46	15.7	N	GND
11.270000	37.00	10.0	50	13.0	N	GND
12.520000	36.00	10.1	50	14.0	N	GND

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3.1.4 Power Spectral Density

Test Requirement: FCC 47CFR 15.407(a)
Test Method: ANSI C63.10:2020/ KDB 789033D02
Test Date: 2026-03-13
Mode of Operation: WIFI TX mode

Ambient Temperature: 25°C Relative Humidity: 51% Atmospheric Pressure: 101 kPa

Test Method:

The RF output of the EUT was connected to the spectrum analyzer. Set the fundamental frequency as the center frequency of the spectral analyzer. Use RBW=1000kHz, VBW= 3000KHz, Set the span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal. . Detector = rms, Sweep time = auto couple. Measure the Power Spectral Density (PSD) and record the results in dBm.

Test Setup:

As Test Setup of clause 3.1.1 in this test report.

Test Limit:

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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Results of WIFI TX Mode 802.11 a (Tx:5150MHz to 5250MHz): Pass (TX Unit)
Maximum power spectral density

Transmitter Frequency (MHz)	Maximum Power spectral density level / 1MHz band (dBm)	Maximum Power spectral density / 1MHz band limit
5150.0	5.162	11dBm
5220.0	5.572	11dBm
5240.0	5.243	11dBm

Results of WIFI TX Mode 802.11 a (Tx:5725MHz to 5850MHz): Pass (TX Unit)
Maximum power spectral density

Transmitter Frequency (MHz)	Maximum Power spectral density level / 1MHz band (dBm)	Maximum Power spectral density / 1MHz band limit
5745.0	3.181	11dBm
5785.0	4.001	11dBm
5825.0	4.638	11dBm

Results of WIFI TX Mode 802.11 n20 (Tx:5150MHz to 5250MHz): Pass (TX Unit)
Maximum power spectral density

Transmitter Frequency (MHz)	Maximum Power spectral density level / 1MHz band (dBm)	Maximum Power spectral density / 1MHz band limit
5150.0	4.702	11dBm
5220.0	2.928	11dBm
5240.0	3.577	11dBm

Results of WIFI TX Mode 802.11 n20 (Tx:5725MHz to 5850MHz): Pass (TX Unit)
Maximum power spectral density

Transmitter Frequency (MHz)	Maximum Power spectral density level / 1MHz band (dBm)	Maximum Power spectral density / 1MHz band limit
5745.0	1.144	11dBm
5785.0	2.097	11dBm
5825.0	1.618	11dBm



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Results of WIFI TX Mode 802.11 n40 (Tx:5150MHz to 5250MHz): Pass (TX Unit)

Maximum power spectral density

Transmitter Frequency (MHz)	Maximum Power spectral density level / 1MHz band (dBm)	Maximum Power spectral density / 1MHz band limit
5190.0	-1.242	11dBm
5230.0	0.627	11dBm

Results of WIFI TX Mode 802.11 n40 (Tx:5725MHz to 5850MHz): Pass (TX Unit)

Maximum power spectral density

Transmitter Frequency (MHz)	Maximum Power spectral density level / 1MHz band (dBm)	Maximum Power spectral density / 1MHz band limit
5755.0	-2.022	11dBm
5795.0	-0.055	11dBm

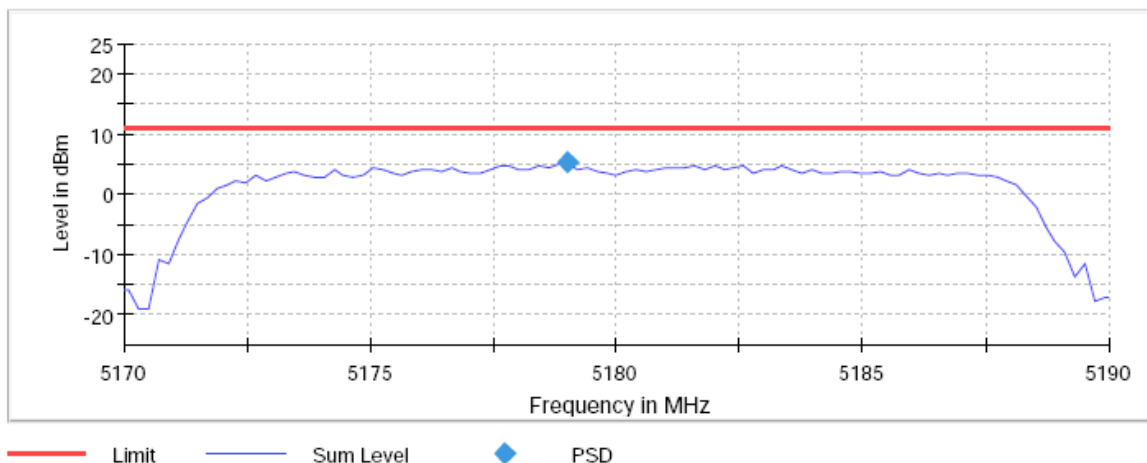
WiFi mode 802.11 a

CH 36 (5180.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5180.000000	5179.009901	5.162	11.0	PASS

Power Spectral Density



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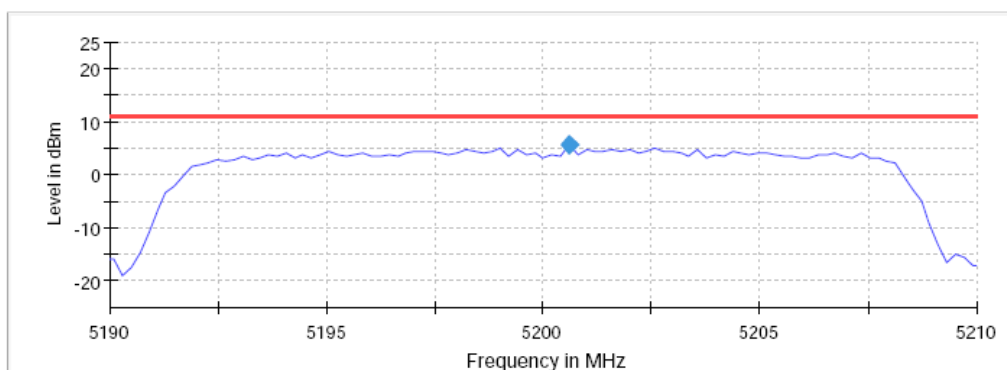
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CH 40 (5200.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5200.000000	5200.594059	5.572	11.0	PASS

Power Spectral Density



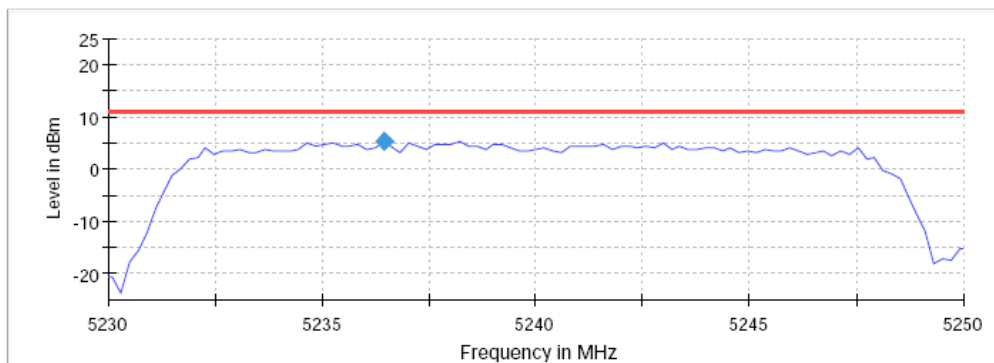
— Limit — Sum Level ◆ PSD

CH 48 (5240.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5240.000000	5236.435644	5.243	11.0	PASS

Power Spectral Density



— Limit — Sum Level ◆ PSD

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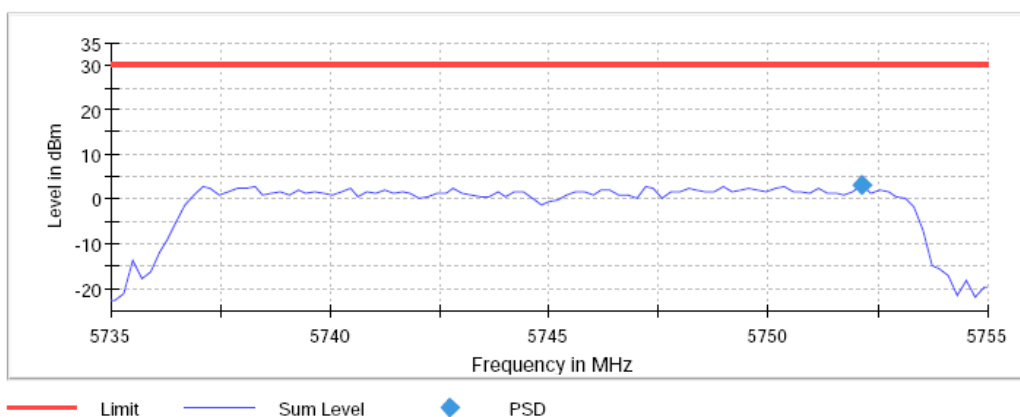
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CH 149 (5745.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5745.000000	5752.128713	3.181	30.0	PASS

Power Spectral Density

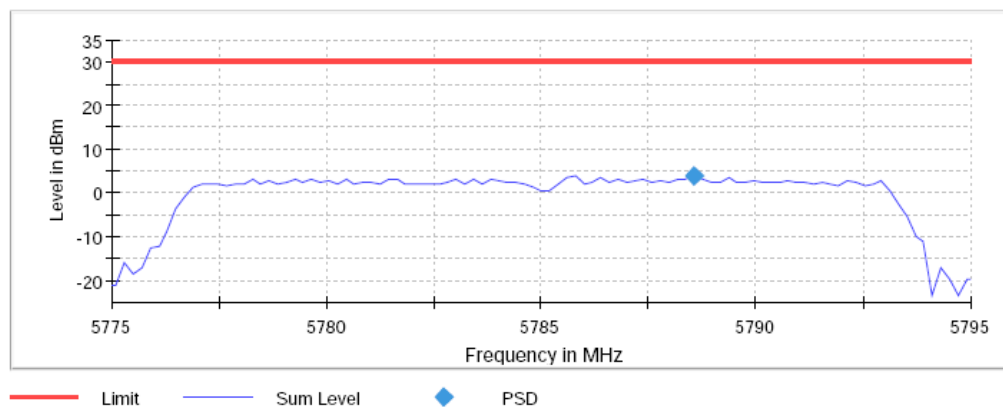


CH 157 (5785.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5785.000000	5788.564356	4.001	30.0	PASS

Power Spectral Density



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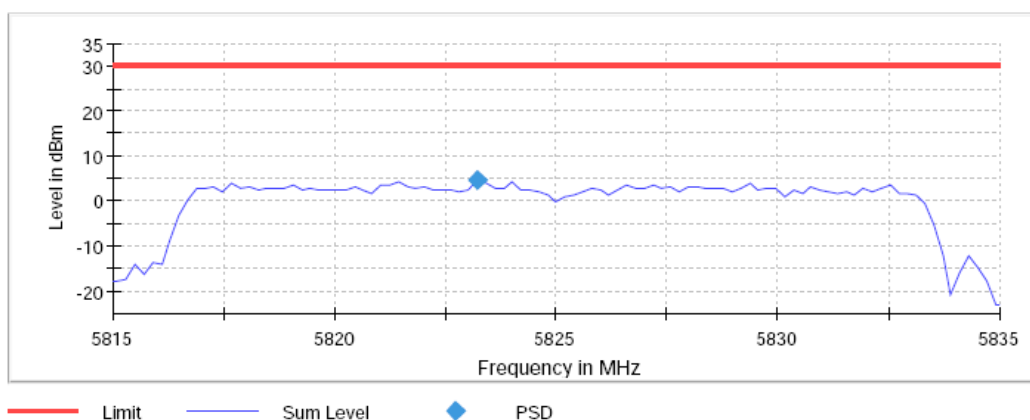
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CH 165 (5825.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5825.000000	5823.217822	4.638	30.0	PASS

Power Spectral Density

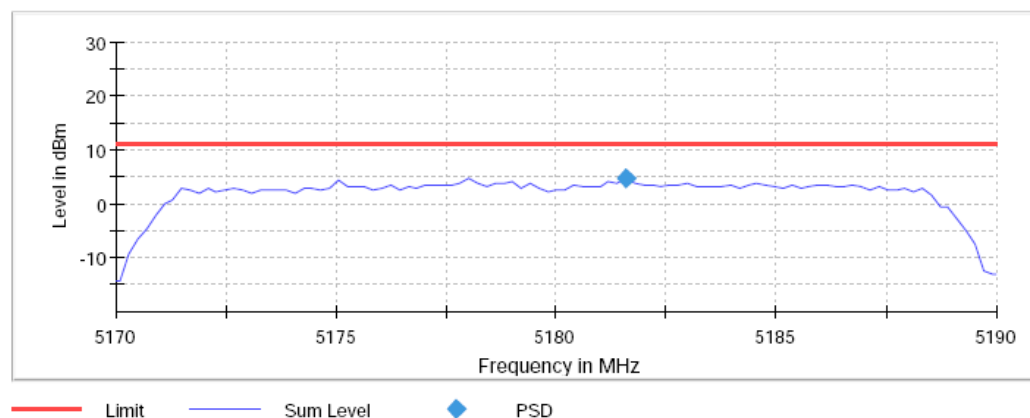


WiFi mode 802.11 n20
CH 36 (5180.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5180.000000	5181.584158	4.702	11.0	PASS

Power Spectral Density



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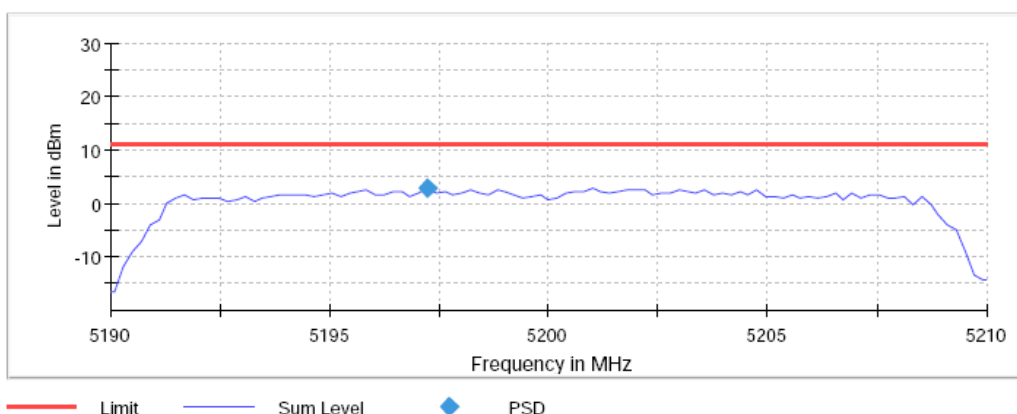
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CH 40 (5200.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5200.000000	5197.227723	2.928	11.0	PASS

Power Spectral Density

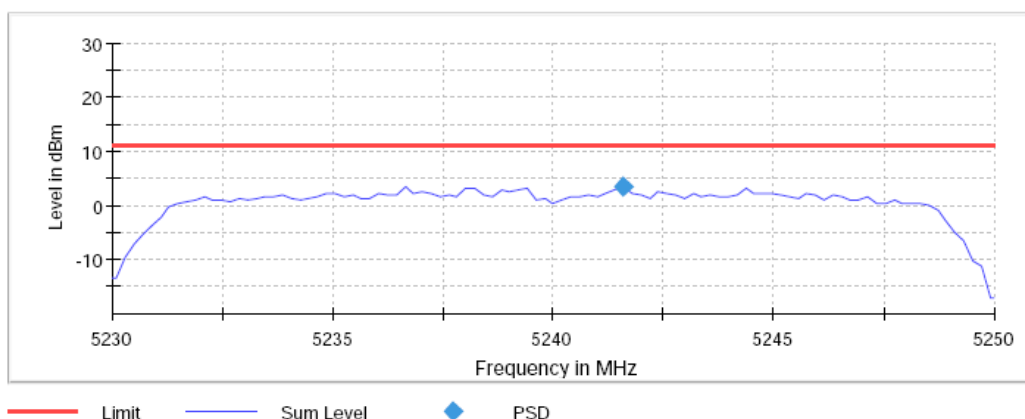


CH 48 (5240.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5240.000000	5241.584158	3.577	11.0	PASS

Power Spectral Density



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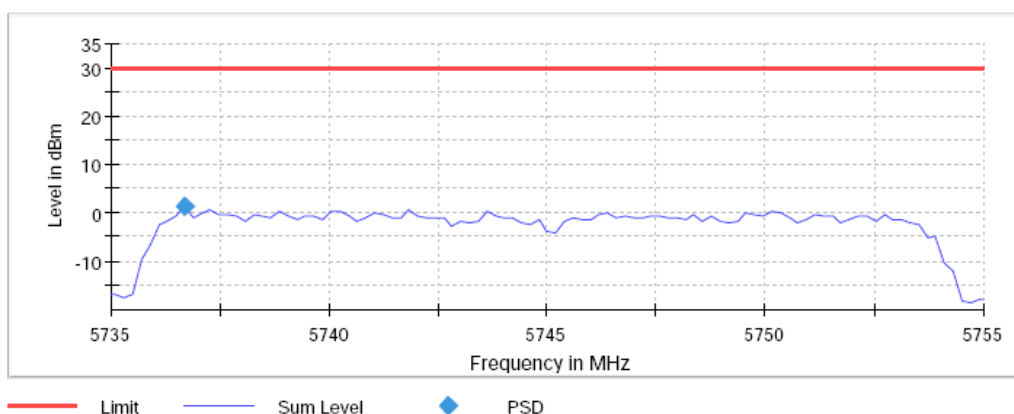
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CH 149 (5745.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5745.000000	5736.683168	1.144	30.0	PASS

Power Spectral Density

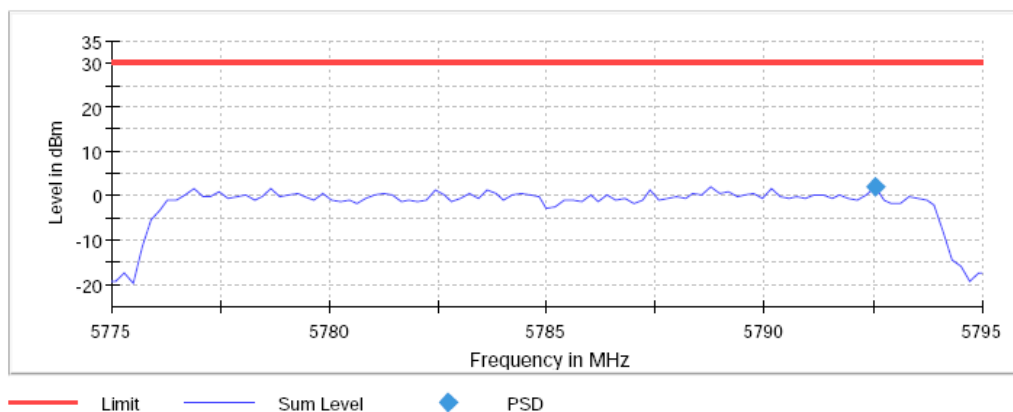


CH 157 (5785.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5785.000000	5792.524752	2.097	30.0	PASS

Power Spectral Density



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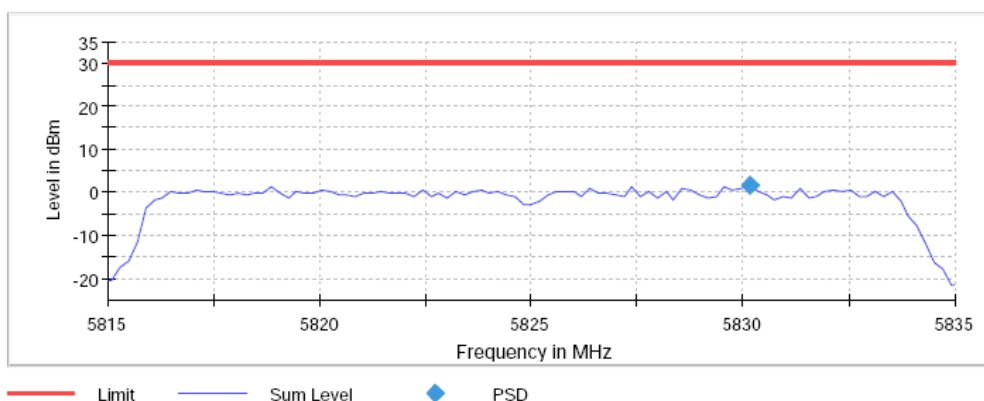
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CH 165 (5825.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5825.000000	5830.148515	1.618	30.0	PASS

Power Spectral Density

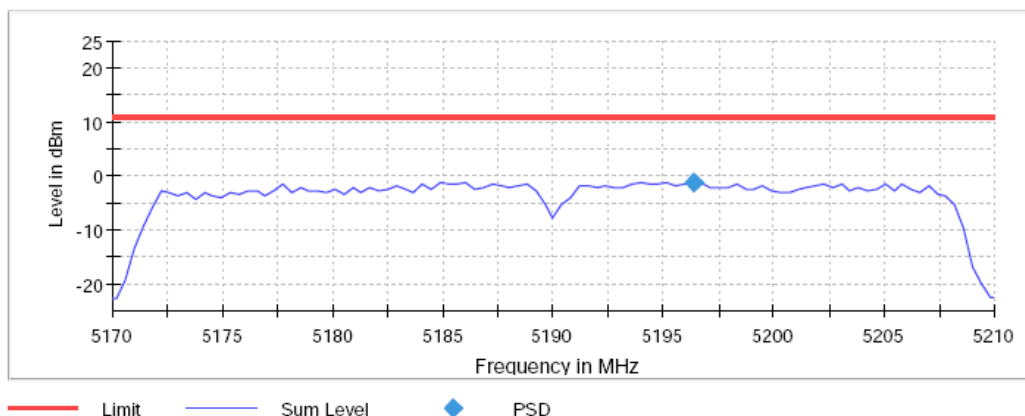


WiFi mode 802.11 n40
CH 38 (5190.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5190.000000	5196.336634	-1.242	11.0	PASS

Power Spectral Density(2)



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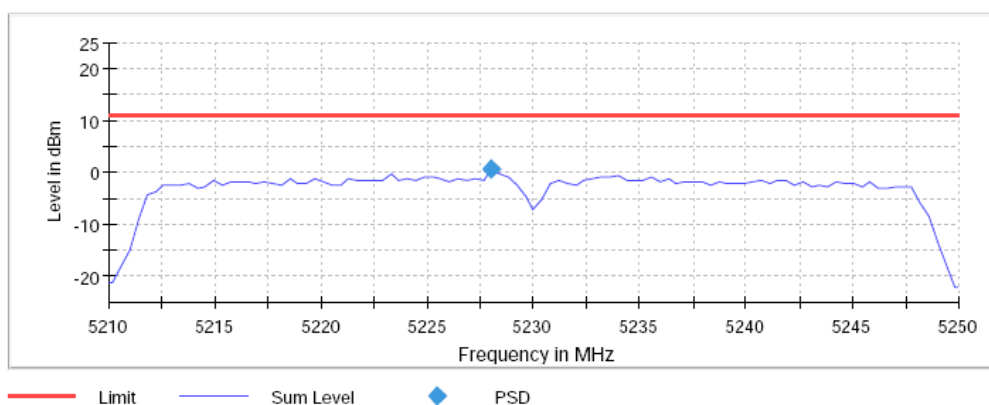
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CH 46 (5230.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5230.000000	5228.019802	0.627	11.0	PASS

Power Spectral Density

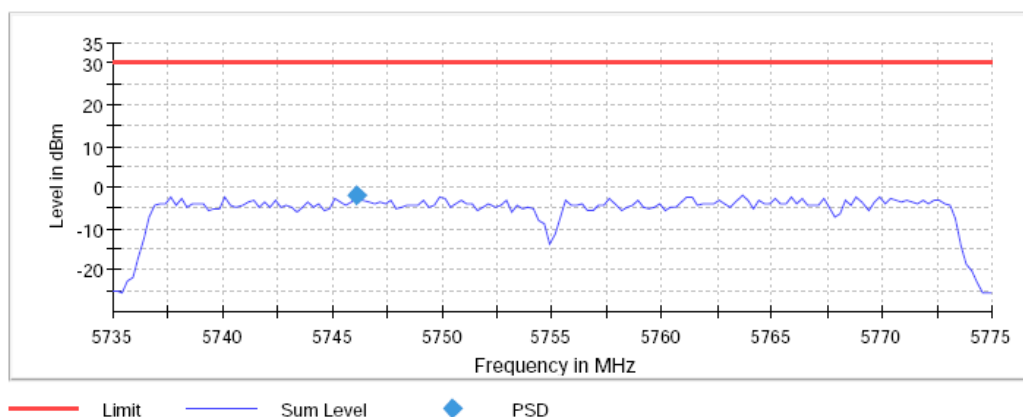


CH 151 (5755.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5755.000000	5746.125000	-2.022	30.0	PASS

Power Spectral Density



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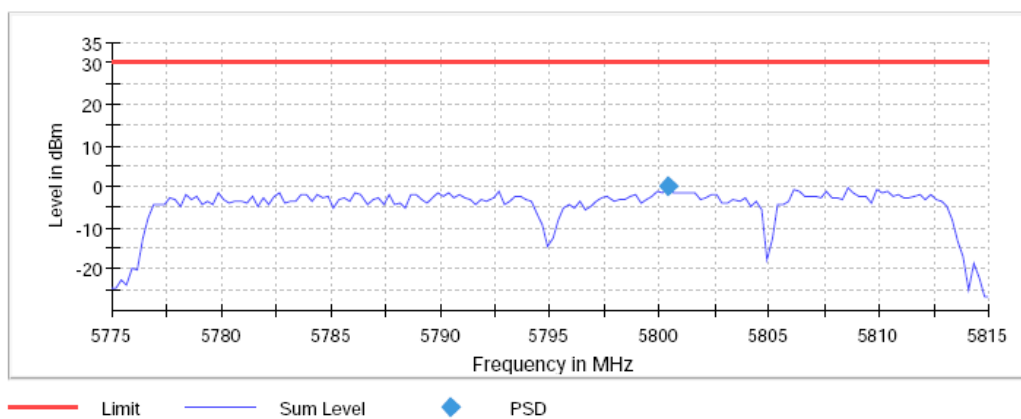
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CH 156 (5795.0 MHz)

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
5795.000000	5800.375000	-0.055	30.0	PASS

Power Spectral Density





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3.1.5 26 dB Bandwidth and 99% Occupied Bandwidth and 6 dB Bandwidth Measurement

Test Requirement: FCC 47CFR 15.407(a) / KDB 789033D02
Test Method: ANSI C63.10:2020
Test Date: 2026-03-12
Mode of Operation: WIFI TX mode

Ambient Temperature: 25°C Relative Humidity: 51% Atmospheric Pressure: 101 kPa

Test Method:

The bandwidth is measured at an amplitude level reduced from the reference level by a specified ratio. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

26 dB Bandwidth Spectrum Analyzer Setting:

RBW = approximately 1% of the emission bandwidth
VBW $\geq$ RBW, Sweep = Auto couple
Detector = Peak, Trace = Max. hold

99% Occupied Bandwidth Spectrum Analyzer Setting:

RBW = 1% to 5% of the OBW
VBW $\geq$ 3*RBW, Sweep = Auto couple
Detector = Peak, Trace = Max. hold

6dB Bandwidth Spectrum Analyzer Setting:

RBW = 100Khz
VBW $\geq$ 3*RBW, Sweep = Auto couple
Detector = Peak, Trace = Max. hold

Test Setup:

As Test Setup of clause 3.1.1 in this test report.

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802.11a: 26 dB Bandwidth

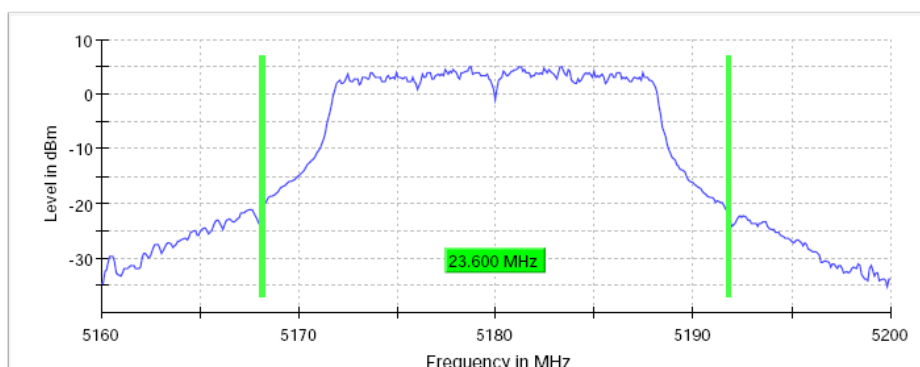
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5180.000000	23.600000	---	---	5168.150000	5191.750000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5180.000000	5.1	PASS

26 dB Bandwidth



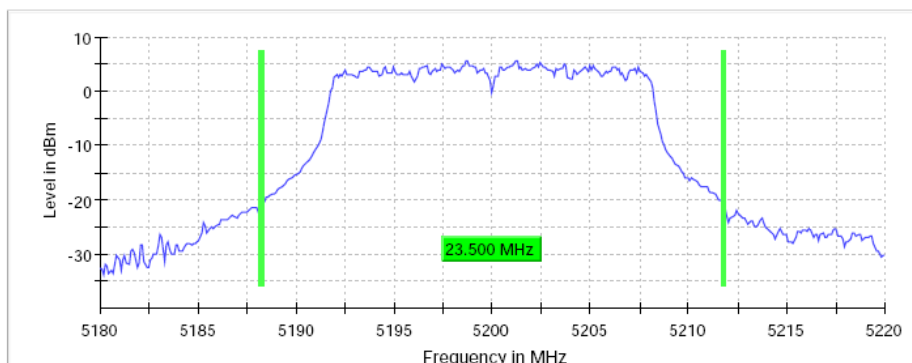
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	23.500000	---	---	5188.250000	5211.750000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5200.000000	5.6	PASS

26 dB Bandwidth



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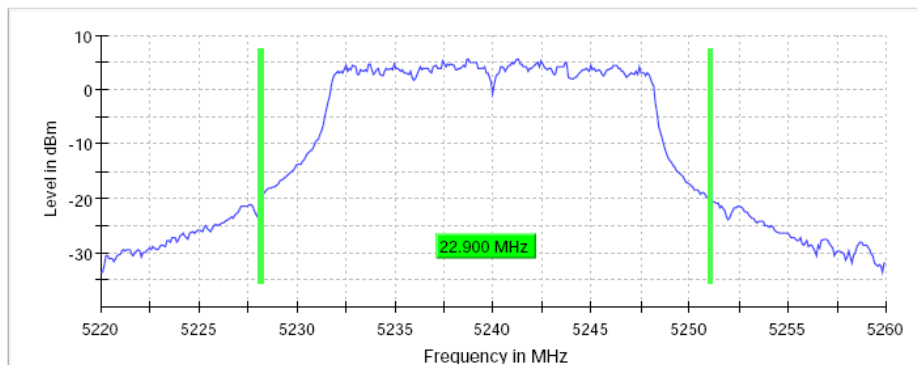
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5240.000000	22.900000	---	---	5228.150000	5251.050000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5240.000000	5.6	PASS

26 dB Bandwidth



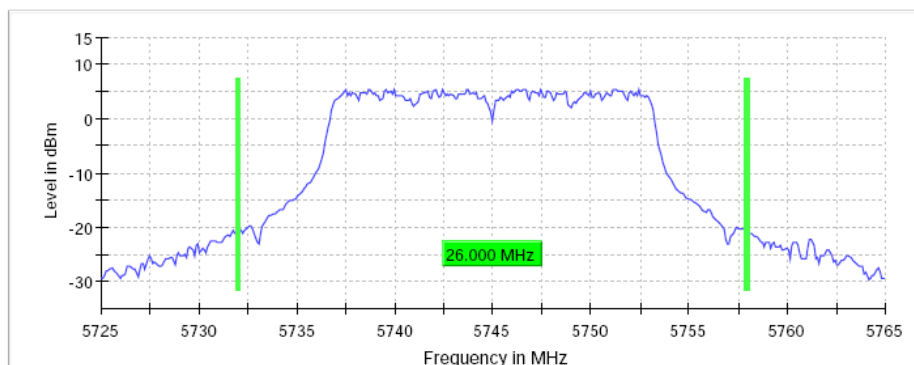
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	26.000000	---	---	5731.950000	5757.950000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5745.000000	5.4	PASS

26 dB Bandwidth



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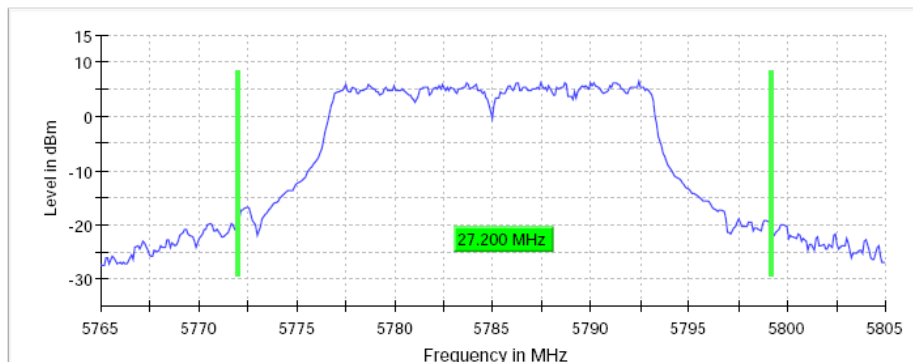
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5785.000000	27.200000	---	---	5771.950000	5799.150000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5785.000000	6.4	PASS

26 dB Bandwidth



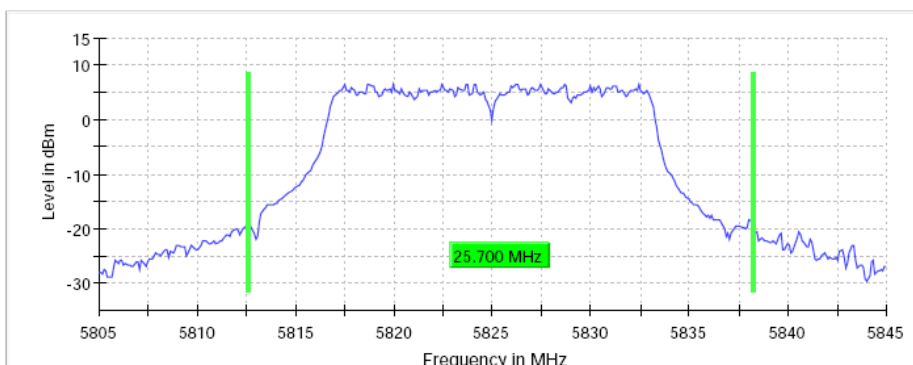
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	25.700000	---	---	5812.550000	5838.250000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5825.000000	6.5	PASS

26 dB Bandwidth



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802.11n20: 26 dB Bandwidth

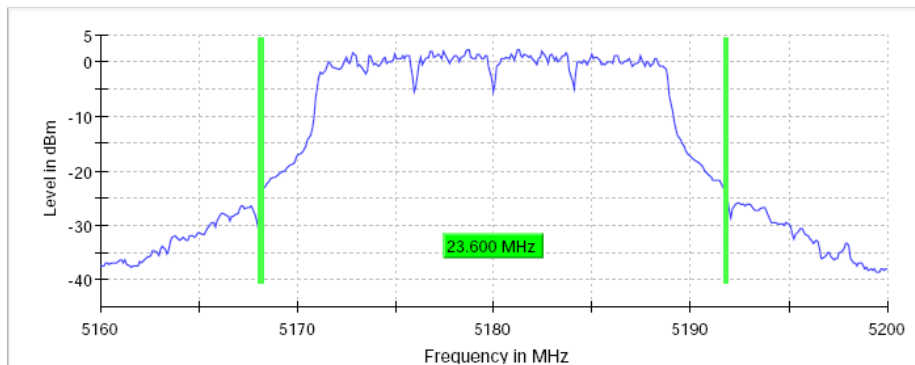
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5180.000000	23.600000	---	---	5168.150000	5191.750000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5180.000000	2.3	PASS

26 dB Bandwidth



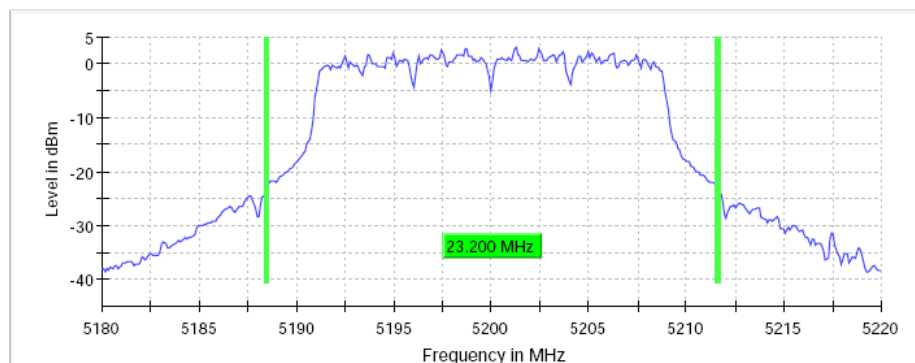
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	23.200000	---	---	5188.450000	5211.650000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5200.000000	3.0	PASS

26 dB Bandwidth



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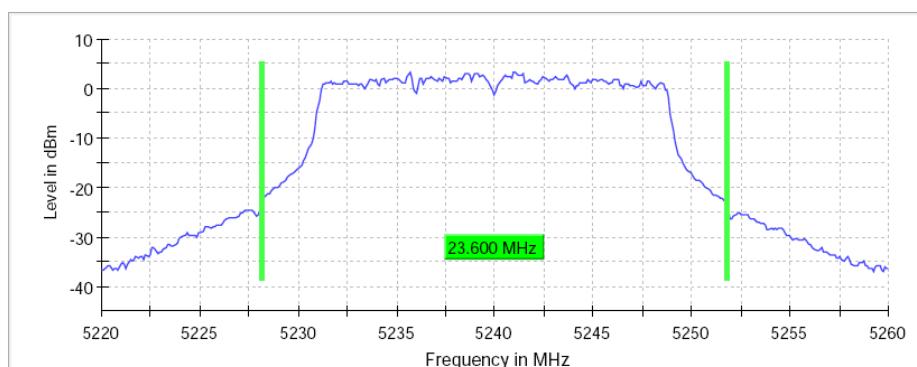
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5240.000000	23.600000	---	---	5228.150000	5251.750000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5240.000000	3.3	PASS

26 dB Bandwidth



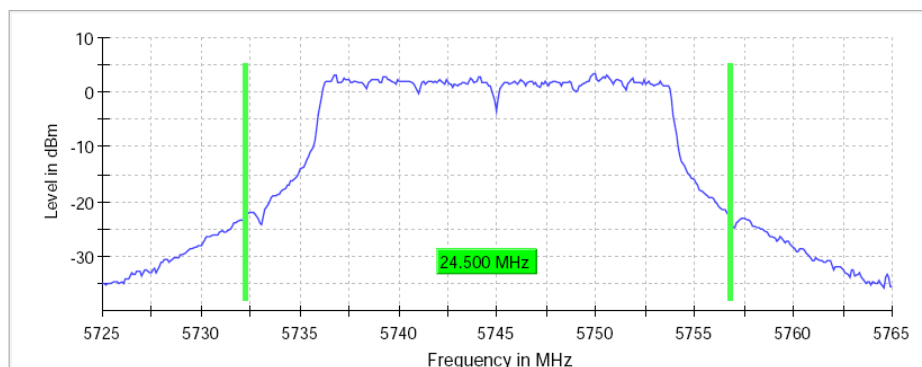
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	24.500000	---	---	5732.250000	5756.750000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5745.000000	3.4	PASS

26 dB Bandwidth



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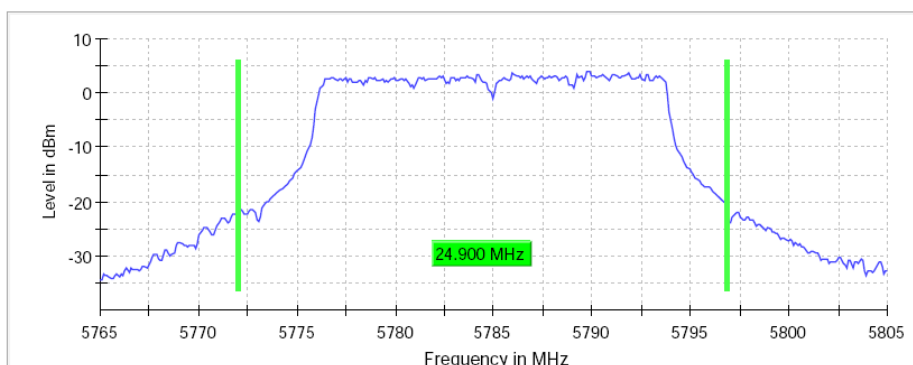
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5785.000000	24.900000	---	---	5771.950000	5796.850000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5785.000000	4.0	PASS

26 dB Bandwidth



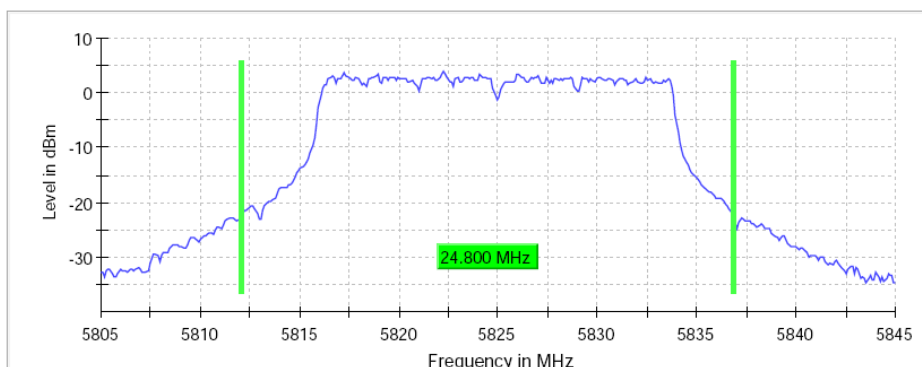
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	24.800000	---	---	5812.050000	5836.850000

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5825.000000	3.9	PASS

26 dB Bandwidth



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802.11n40: 26 dB Bandwidth

26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5190.000000	43.827392	---	---	5168.536585	5212.363977

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5190.000000	2.0	PASS

26 dB Bandwidth



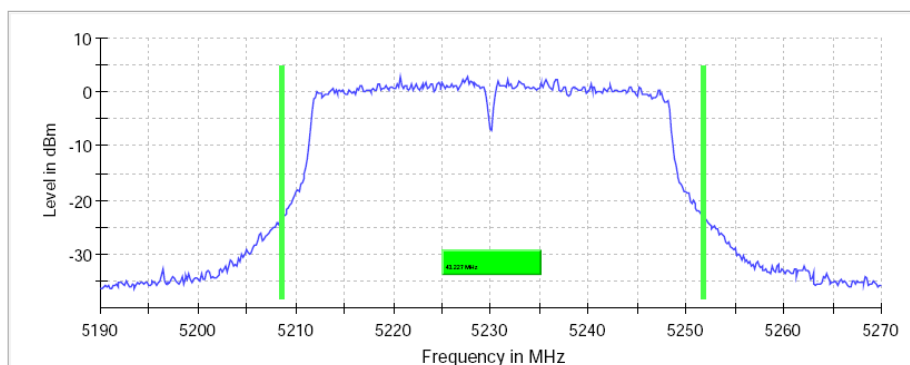
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5230.000000	43.227017	---	---	5208.536585	5251.763602

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5230.000000	2.9	PASS

26 dB Bandwidth



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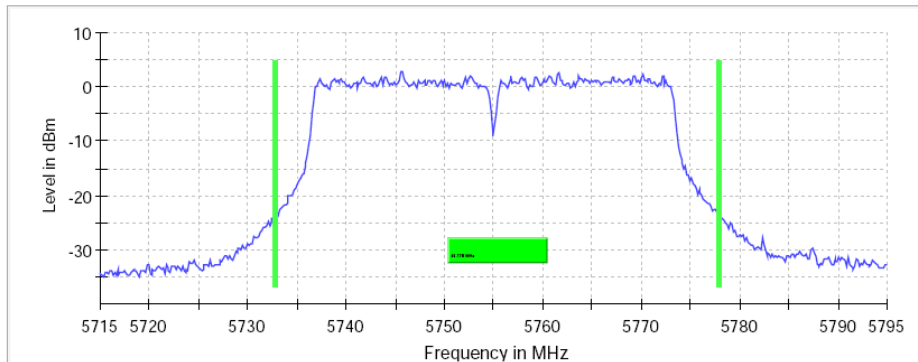
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	45.178237	---	---	5732.786116	5777.964353

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5755.000000	2.7	PASS

26 dB Bandwidth



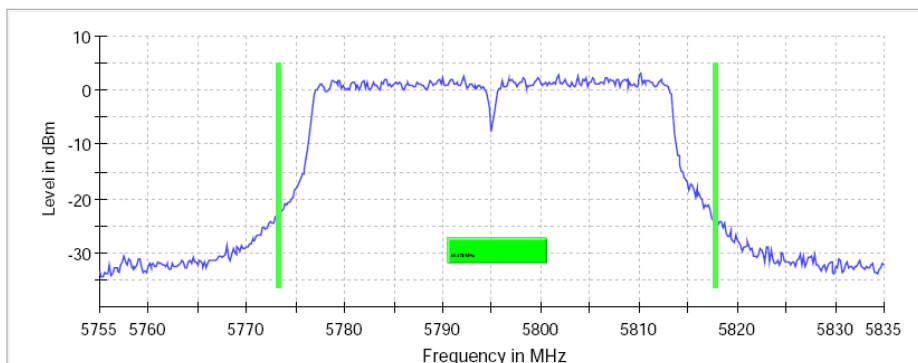
26 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	44.577861	---	---	5773.236398	5817.814259

(continuation of the "26 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5795.000000	3.1	PASS

26 dB Bandwidth



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802.11a: 99% Bandwidth

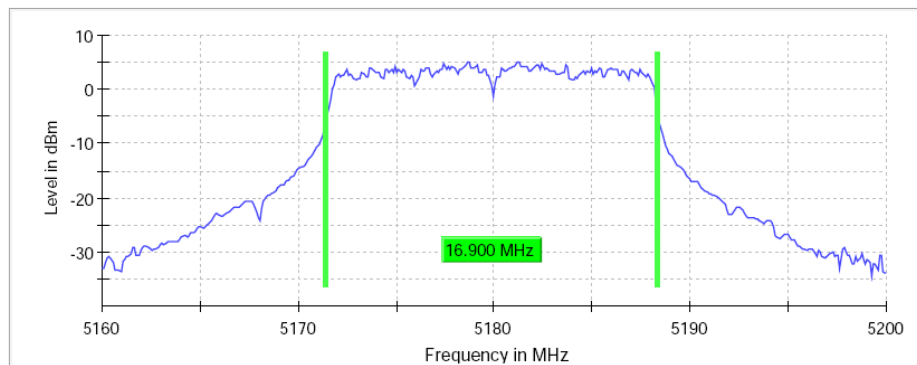
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5180.000000	16.900000	---	---	5171.450000	5188.350000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5180.000000	PASS

99 % Bandwidth



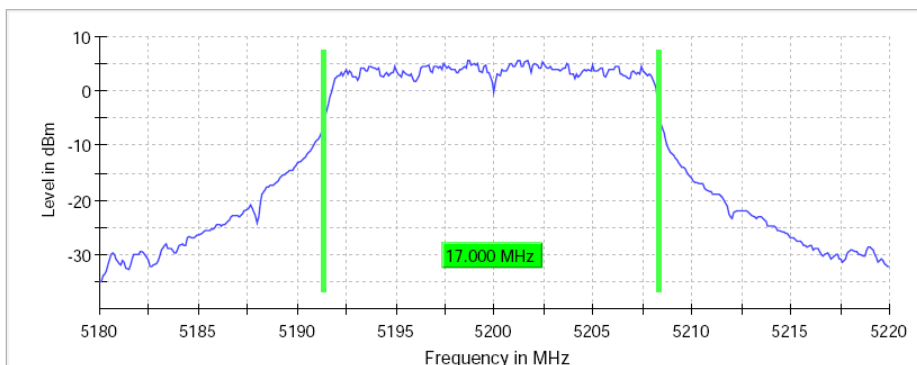
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	17.000000	---	---	5191.350000	5208.350000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5200.000000	PASS

99 % Bandwidth



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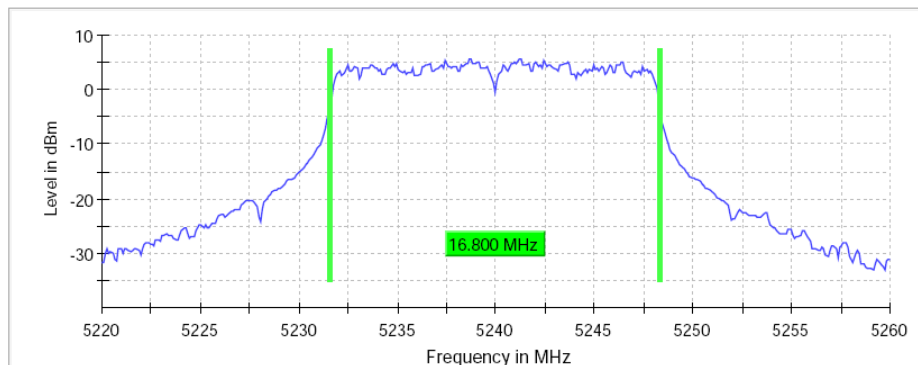
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5240.000000	16.800000	---	---	5231.550000	5248.350000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5240.000000	PASS

99 % Bandwidth



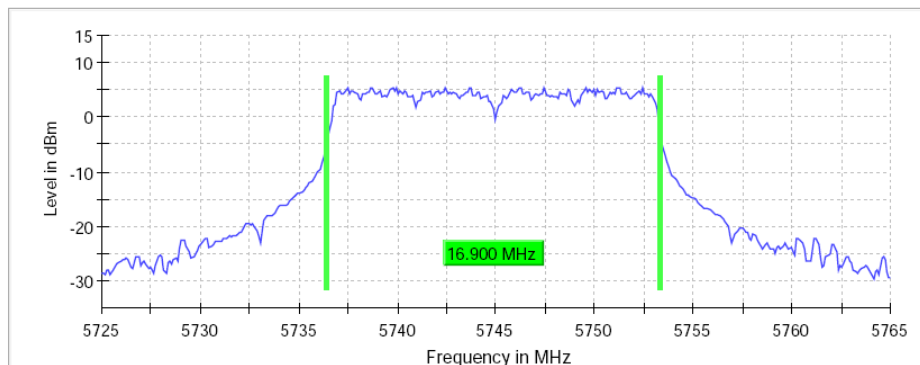
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	16.900000	---	---	5736.450000	5753.350000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5745.000000	PASS

99 % Bandwidth



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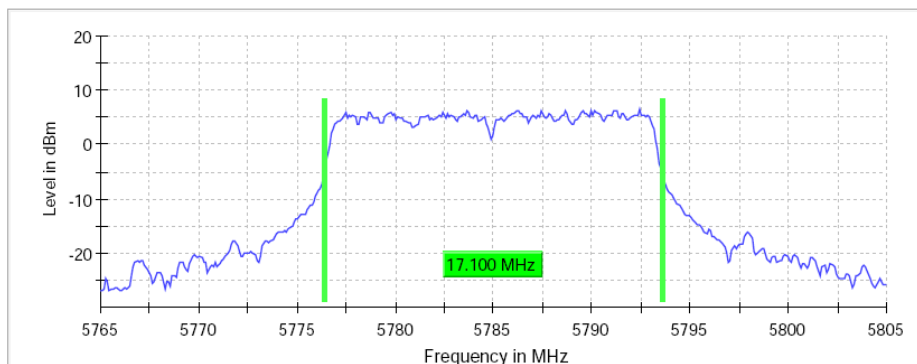
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5785.000000	17.100000	---	---	5776.450000	5793.550000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5785.000000	PASS

99 % Bandwidth



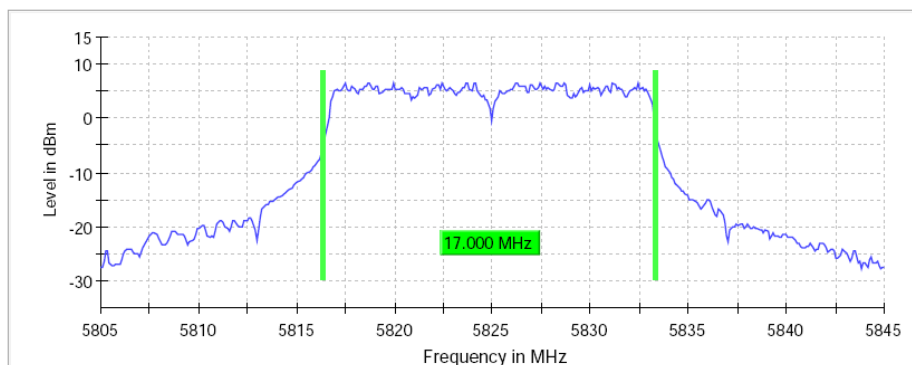
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	17.000000	---	---	5816.350000	5833.350000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5825.000000	PASS

99 % Bandwidth



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802.11n20: 99% Bandwidth

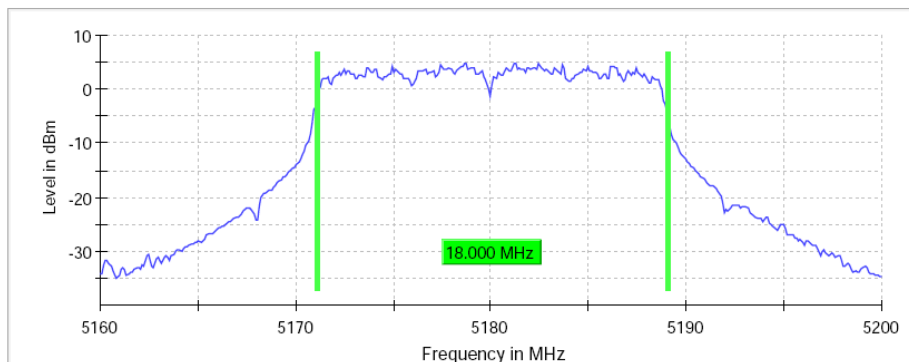
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5180.000000	18.000000	---	---	5171.050000	5189.050000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5180.000000	PASS

99 % Bandwidth



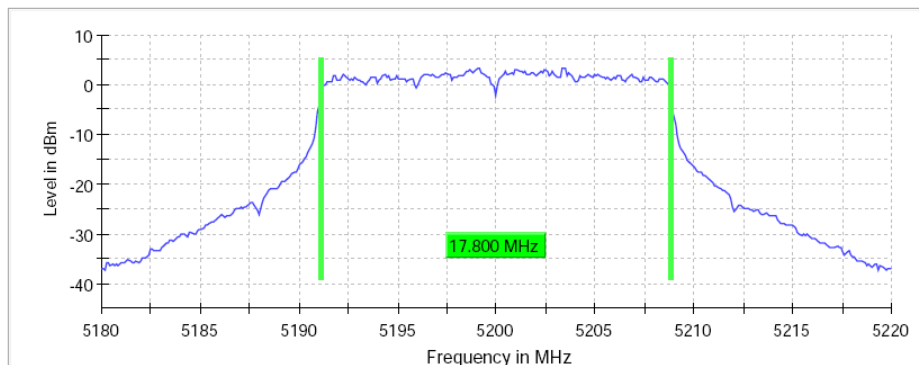
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5200.000000	17.800000	---	---	5191.050000	5208.850000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5200.000000	PASS

99 % Bandwidth



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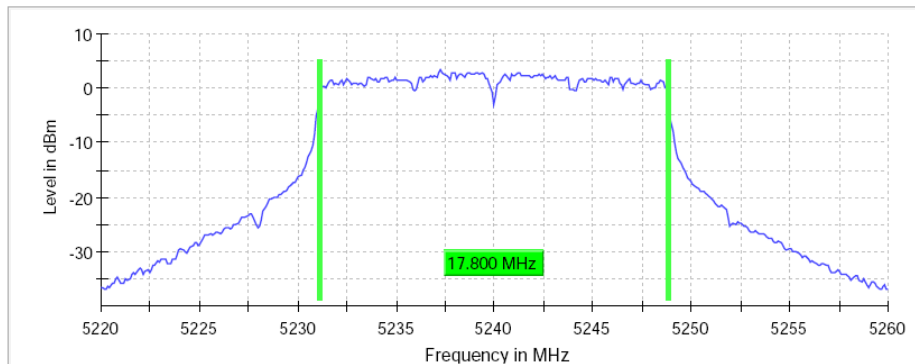
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5240.000000	17.800000	---	---	5231.050000	5248.850000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5240.000000	PASS

99 % Bandwidth



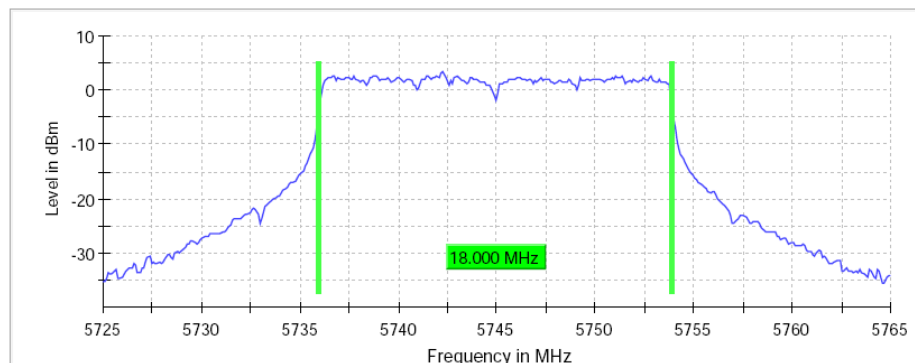
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	18.000000	---	---	5735.950000	5753.950000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5745.000000	PASS

99 % Bandwidth



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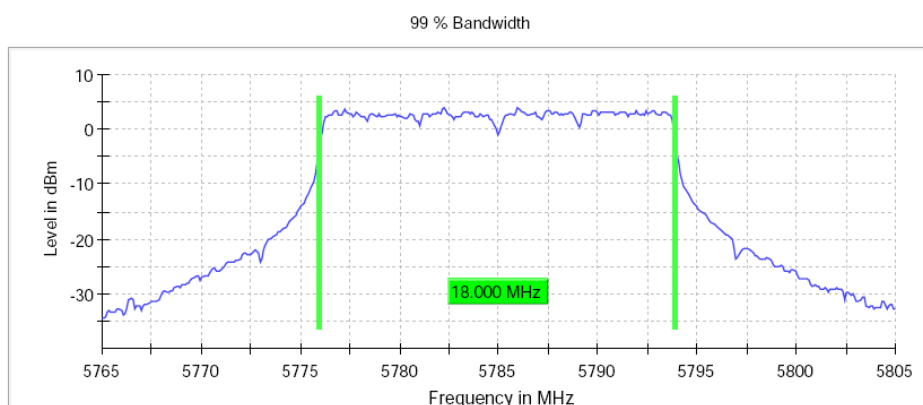
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99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5785.000000	18.000000	---	---	5775.950000	5793.950000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5785.000000	PASS

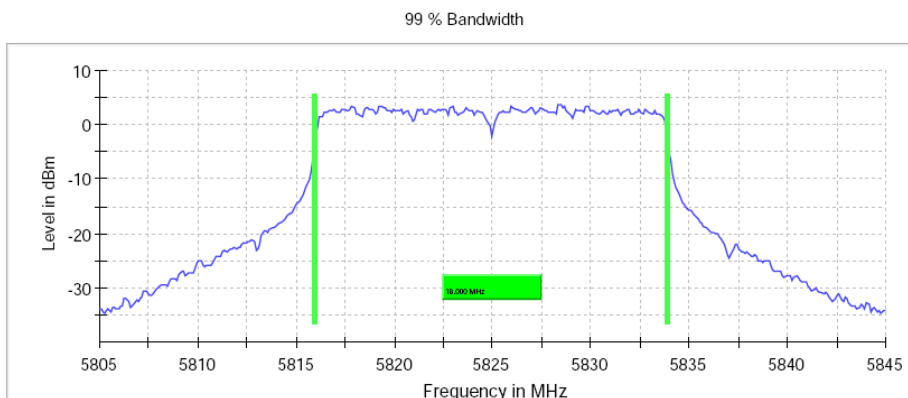


99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	18.000000	---	---	5815.950000	5833.950000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5825.000000	PASS



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802.11n40: 99% Bandwidth

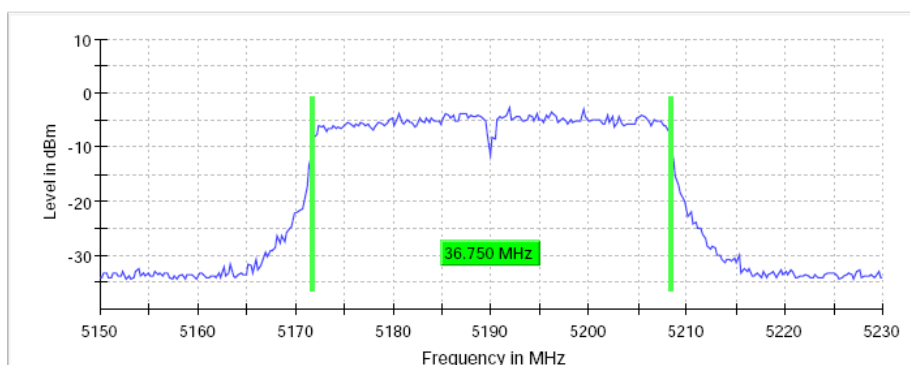
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5190.000000	36.750000	---	---	5171.625000	5208.375000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5190.000000	PASS

99 % Bandwidth



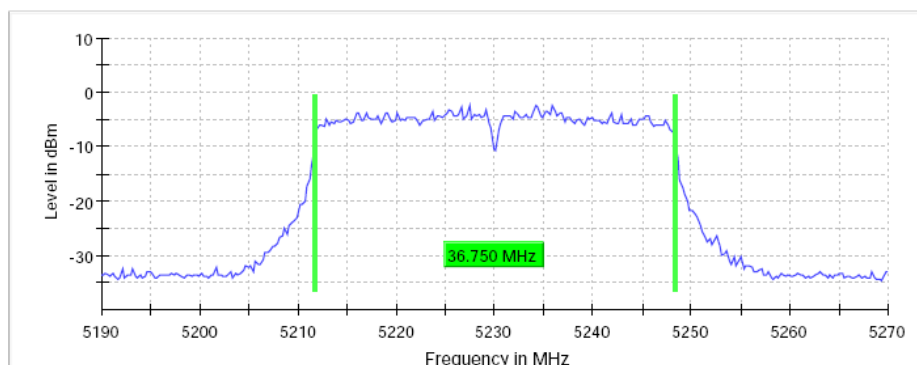
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5230.000000	36.750000	---	---	5211.625000	5248.375000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5230.000000	PASS

99 % Bandwidth



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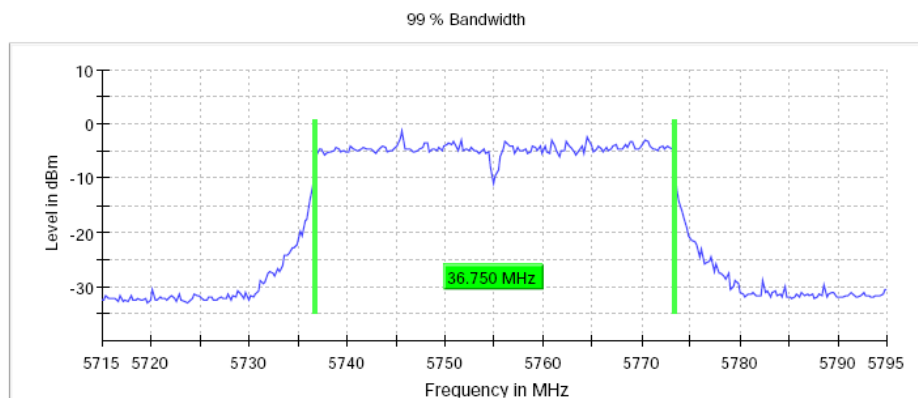
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99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	36.750000	---	---	5736.625000	5773.375000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5755.000000	PASS

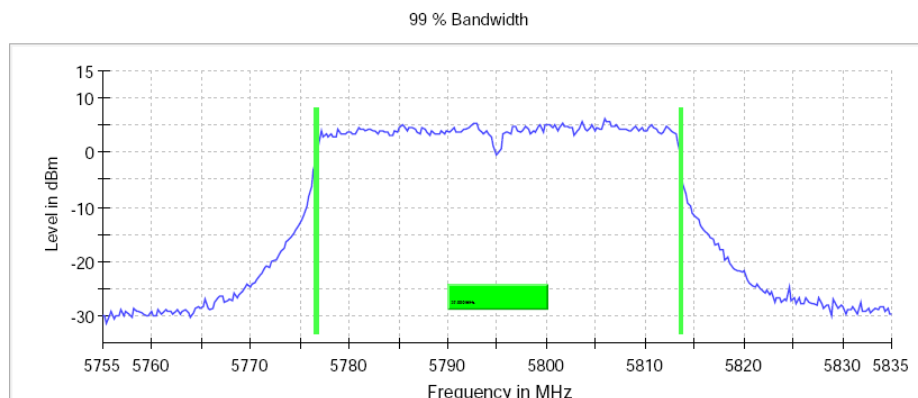


99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	37.000000	---	---	5776.625000	5813.625000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
5795.000000	PASS



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802.11a: 6dB Bandwidth

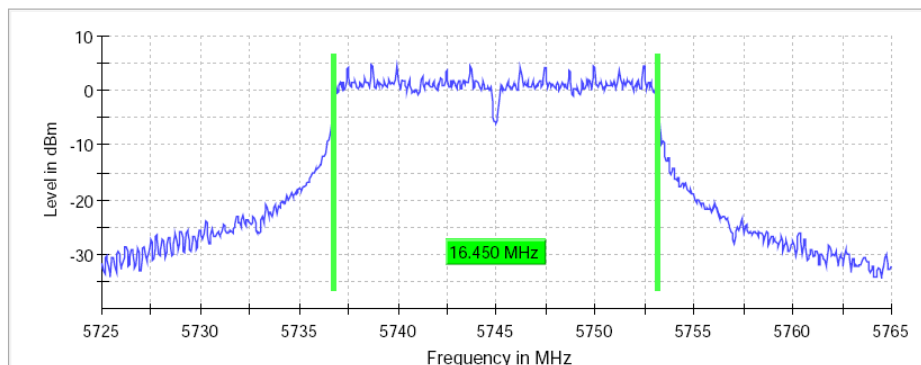
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	16.450000	0.500000	---	5736.725000	5753.175000

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5745.000000	4.6	PASS

6 dB Bandwidth



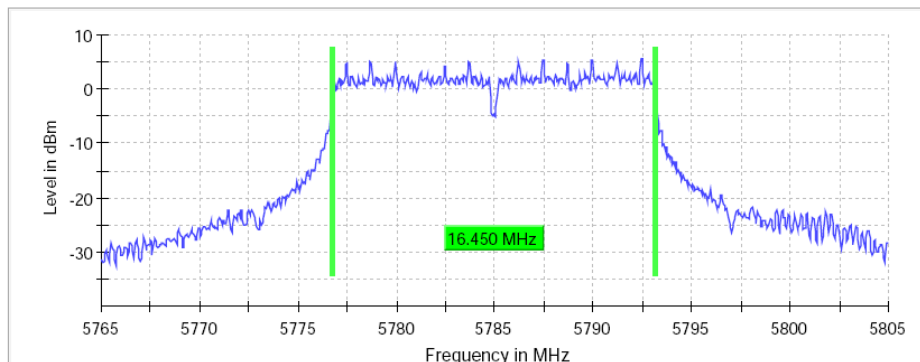
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5785.000000	16.450000	0.500000	---	5776.725000	5793.175000

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5785.000000	5.7	PASS

6 dB Bandwidth



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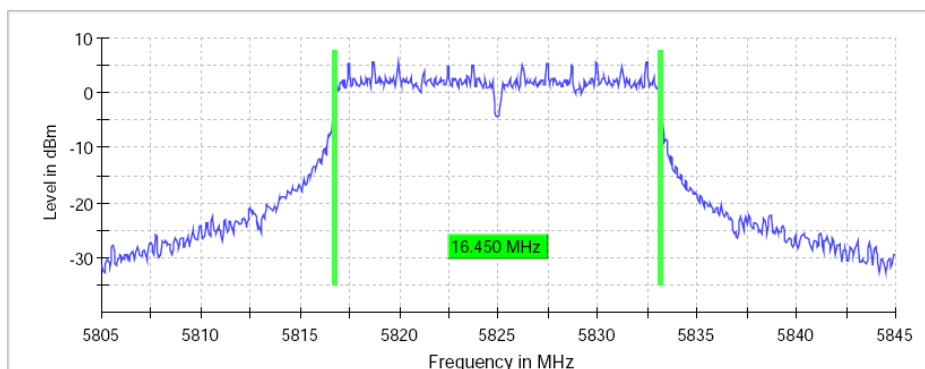
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	16.450000	0.500000	---	5816.725000	5833.175000

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5825.000000	5.7	PASS

6 dB Bandwidth



802.11n20: 6dB Bandwidth

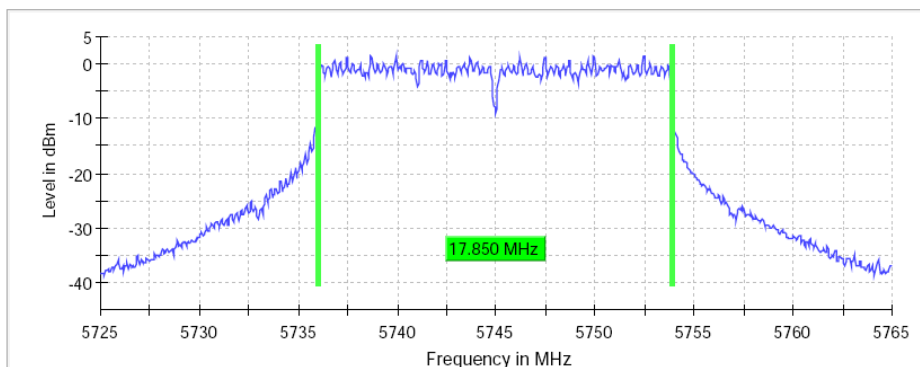
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5745.000000	17.850000	0.500000	---	5736.025000	5753.875000

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5745.000000	1.5	PASS

6 dB Bandwidth



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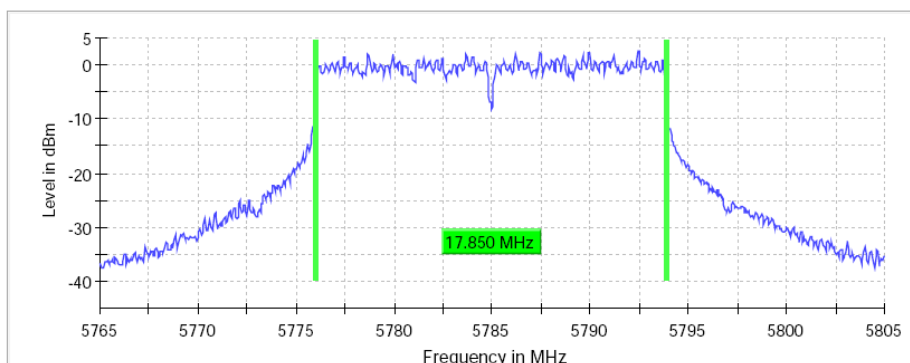
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5785.000000	17.850000	0.500000	---	5776.025000	5793.875000

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5785.000000	2.6	PASS

6 dB Bandwidth



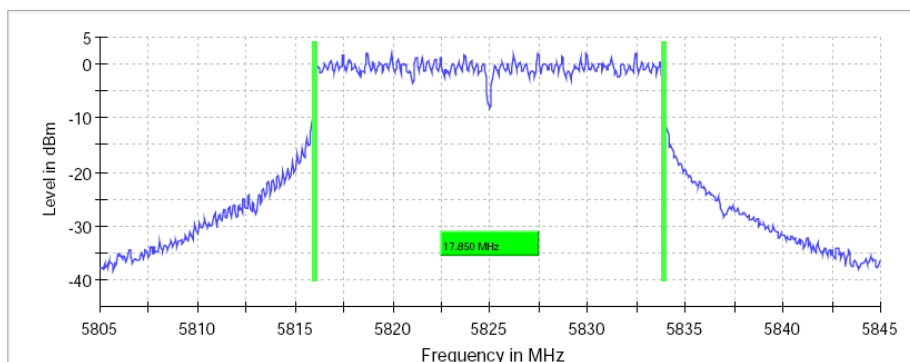
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5825.000000	17.850000	0.500000	---	5816.025000	5833.875000

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5825.000000	2.1	PASS

6 dB Bandwidth



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802.11n40: 6dB Bandwidth

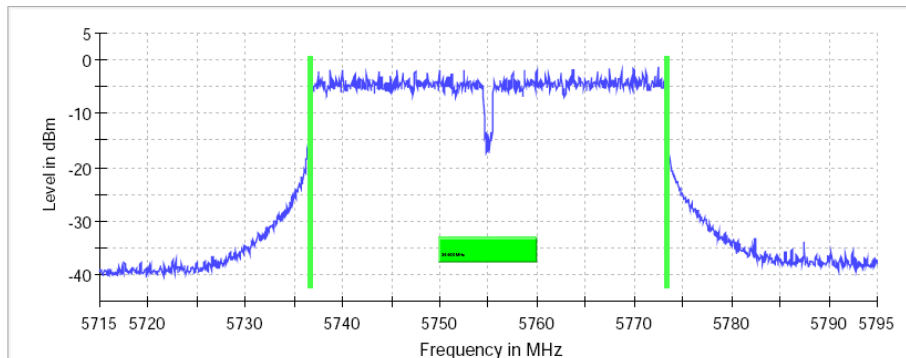
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5755.000000	36.600000	0.500000	---	5736.675000	5773.275000

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5755.000000	-1.4	PASS

6 dB Bandwidth



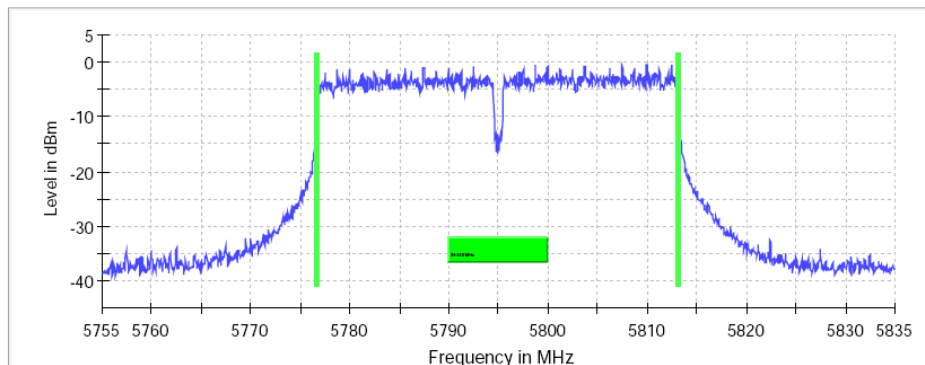
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
5795.000000	36.550000	0.500000	---	5776.675000	5813.225000

(continuation of the "6 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
5795.000000	-0.4	PASS

6 dB Bandwidth



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3.1.6 Antenna Requirement

Ambient Temperature: 25°C

Relative Humidity: 51%

Atmospheric Pressure: 101 kPa

Test Requirements: § 15.203

Test Specification:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Test Results:

This is built-in FPC antenna. There is no external antenna, the antenna gain = 2.0dBi. User is unable to remove or changed the Antenna.

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3.1.7 Frequency stability

Test Requirement:	FCC 47CFR 15.407(g)
Test Method:	ANSI C63.10:2020
Test Date:	2026-03-17
Mode of Operation:	WIFI TX mode

Ambient Temperature: 25°C

Relative Humidity: 51%

Atmospheric Pressure: 101 kPa

Spectrum Analyzer Setting:

RBW = 1% to 5% of the OBW
VBW $\geq 3 \times$ RBW, Sweep = Auto couple
Detector = Peak, Trace = Max. hold

Test Setup:

As Test Setup of clause 3.1.1 in this test report.

Limit

frequency stability such that an emission is maintained within the band of operation.

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Test Results:

Operating Frequency (MHz)	Temperature (°C)	Power supply (Vac)	2 minutes		5 minutes		10 minutes		Limit
			Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	
5180	0	230	5180.0187	P	5180.0442	P	5180.0173	P	Within 5150-5250M Hz
	10	230	5180.0153	P	5180.0132	P	5180.0141	P	
	20	230	5180.0114	P	5180.0143	P	5180.0130	P	
	30	230	5180.0136	P	5180.0113	P	5180.0135	P	
	40	230	5180.0129	P	5180.0174	P	5180.0114	P	
	20	230	5180.0187	P	5180.0137	P	5180.0137	P	
	20	230	5180.0148	P	5180.0183	P	5180.0134	P	
5240	0	230	5240.0131	P	5240.0721	P	5240.0111	P	
	10	230	5240.0154	P	5240.0061	P	5240.0151	P	
	20	230	5240.0128	P	5240.0095	P	5240.0181	P	
	30	230	5240.0114	P	5240.0188	P	5240.0059	P	
	40	230	5240.0132	P	5240.0145	P	5240.0091	P	
	20	230	5240.0092	P	5240.0131	P	5240.0087	P	
	20	230	5240.0171	P	5240.0114	P	5240.0102	P	

Operating Frequency (MHz)	Temperature (°C)	Power supply (Vdc)	2 minutes		5 minutes		10 minutes		Limit
			Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	Measured Frequency (MHz)	Pass/Fail	
5745	0	230	5745.0118	P	5745.0088	P	5745.0122	P	Within 5725-5850M Hz
	10	230	5745.0107	P	5745.0120	P	5745.0131	P	
	20	230	5745.0135	P	5745.0103	P	5745.0103	P	
	30	230	5745.0087	P	5745.0054	P	5745.0142	P	
	40	230	5745.0122	P	5745.0174	P	5745.0105	P	
	20	230	5745.0135	P	5745.0123	P	5745.0174	P	
	20	230	5745.0162	P	5745.0106	P	5745.0162	P	
5825	0	230	5825.0041	P	5825.0095	P	5825.0031	P	
	10	230	5825.0085	P	5825.0063	P	5825.0038	P	
	20	230	5825.0011	P	5825.0078	P	5825.0074	P	
	30	230	5825.0013	P	5825.0112	P	5825.0089	P	
	40	230	5825.0015	P	5825.0135	P	5825.0066	P	
	20	230	5825.0016	P	5825.0010	P	5825.0013	P	
	20	230	5825.0013	P	5825.0051	P	5825.0109	P	

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Appendix A

List of Measurement Equipment

Radiated Emission

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CAL	DUE CAL
EM215	MULTIDevice CONTROLLER	EMCO	2090	00024676	N/A	N/A
EM217	ELECTRIC POWERED TURN TABLE	EMCO	2088	00029144	N/A	N/A
EM218	ANECHOIC CHAMBER	ETS-LINDGREN	FACT-3	--	2024-04-18	2029-04-18
EM356	ANTENNA POSITIONING TOWER	ETS-LINDGREN	2171B	00150346	N/A	N/A
EM293	SPECTRUM ANALYZER	AGILENT TECHNOLOGIES	N9020A	MY50510152	2024-11-07	2026-11-07
EM363	SIGNAL ANALYZER(10HZ- 40GHZ)	R & S	FSV40	101231	2026-01-15	2028-01-15
EM299	BROADBAND HORN ANTENNA	ETS-LINDGREN	3115	00114120	2025-07-08	2028-07-08
EM300	PYRAMIDAL STANDARD GAIN HORN ANTENNA	ETS-LINDGREN	3160-09	00130130	2025-07-14	2027-07-14
EM301	PYRAMIDAL STANDARD GAIN HORN ANTENNA	ETS-LINDGREN	3160-10	00130988	2025-07-14	2027-07-14
EM353	LOOP ANTENNA	ETS_LINDGREN	6502	00206533	2025-02-12	2027-02-12
EM355	BICONILOG ANTENNA	ETS-LINDGREN	3143B	00094856	2025-01-02	2027-01-02
EM200	DUAL CHANNEL POWER METER	R & S	NRVD	100592	2023-08-02	2026-08-02

Line Conducted

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CAL	DUE CAL
EM232	LISN	SCHAFFNER	NNB41	04/100082	2025-03-20	2026-03-20
EM181	EMI TEST RECEIVER	R & S	ESIB7	100072	2025-04-24	2026-04-24
EM179	IMPULSE LIMITER	R & S	ESH3-Z2	357.8810.52/54	2025-03-17	2027-03-17
EM154	SHIELDING ROOM	SIEMENS MATSUSHITA COMPONENTS	N/A	803-740-057- 99A	2022-02-06	2027-02-06
N/A	MEASUREMENT AND EVALUATION SOFTWARE	ROHDE & SCHWARZ	BSIB-K1	V1.20	N/A	N/A

Remarks:-

CM Corrective Maintenance
N/A Not Applicable
TBD To Be Determined

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Appendix B Photographs of EUT

View of the product



View of the product



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Photographs of EUT

View of the product



View of the product



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Photographs of EUT

Inner Circuit Top View



Inner Circuit Bottom View



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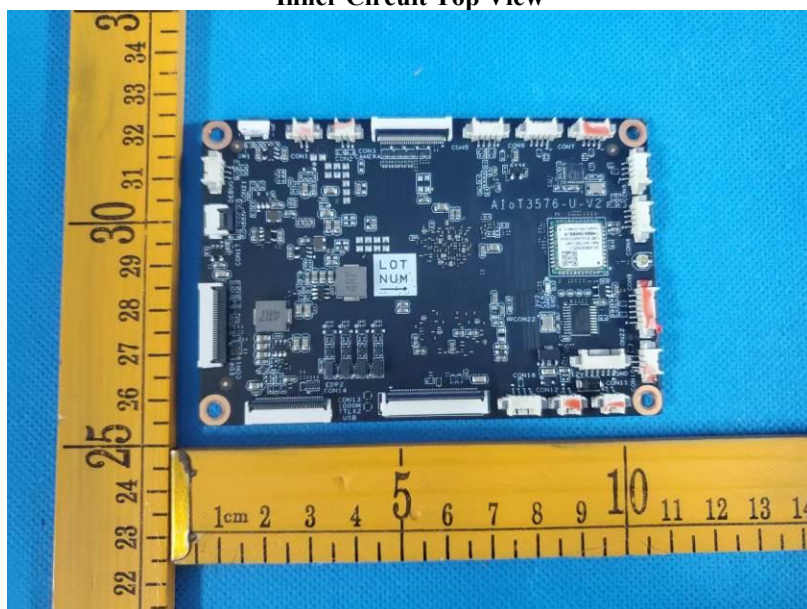
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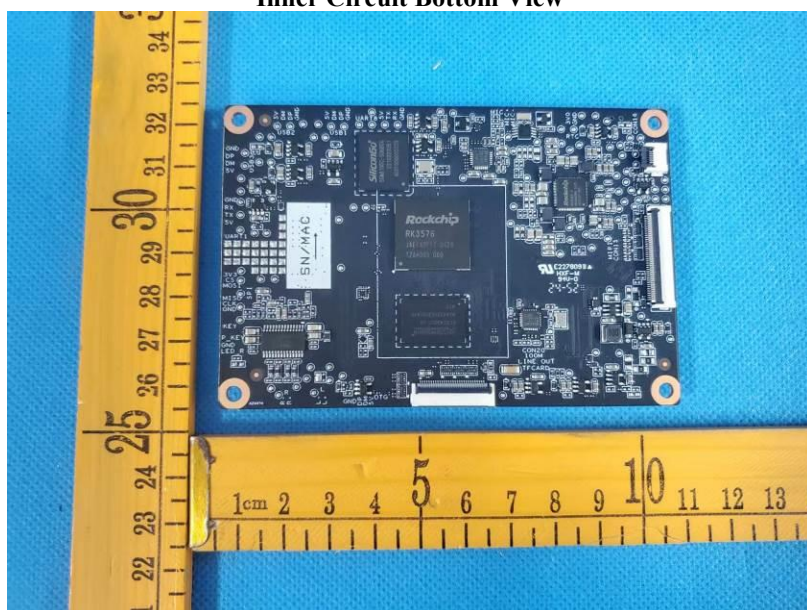
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Photographs of EUT

Inner Circuit Top View



Inner Circuit Bottom View



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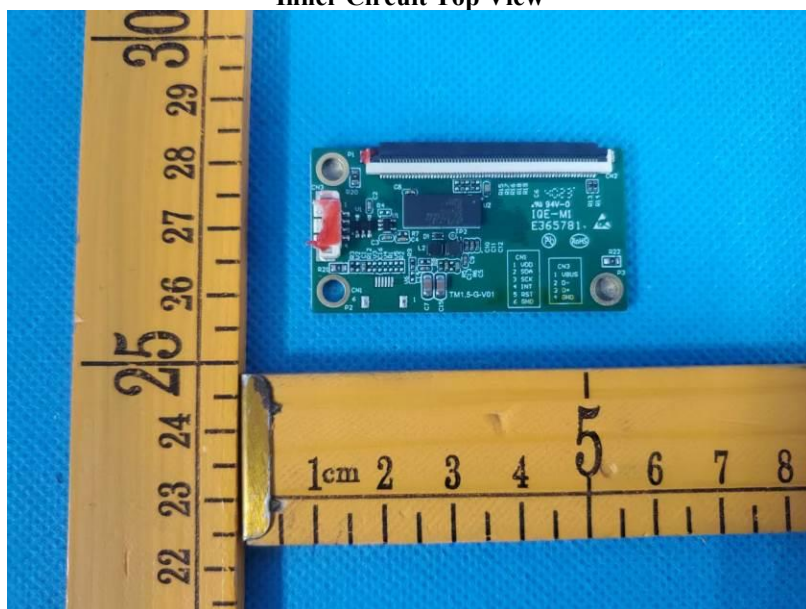
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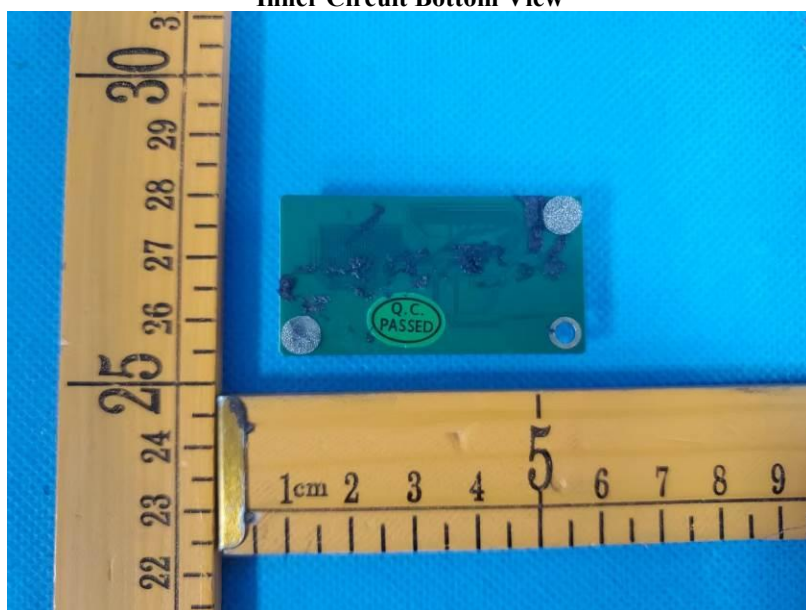
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Photographs of EUT

Inner Circuit Top View



Inner Circuit Bottom View



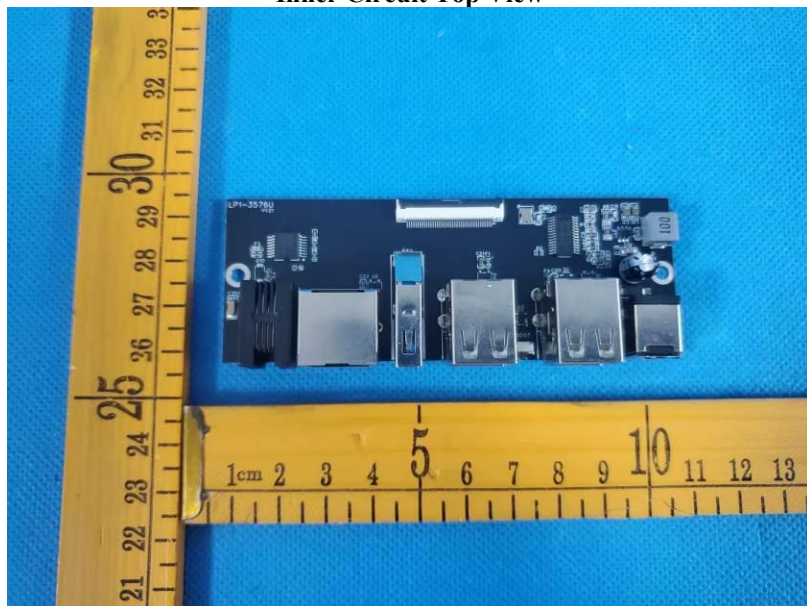
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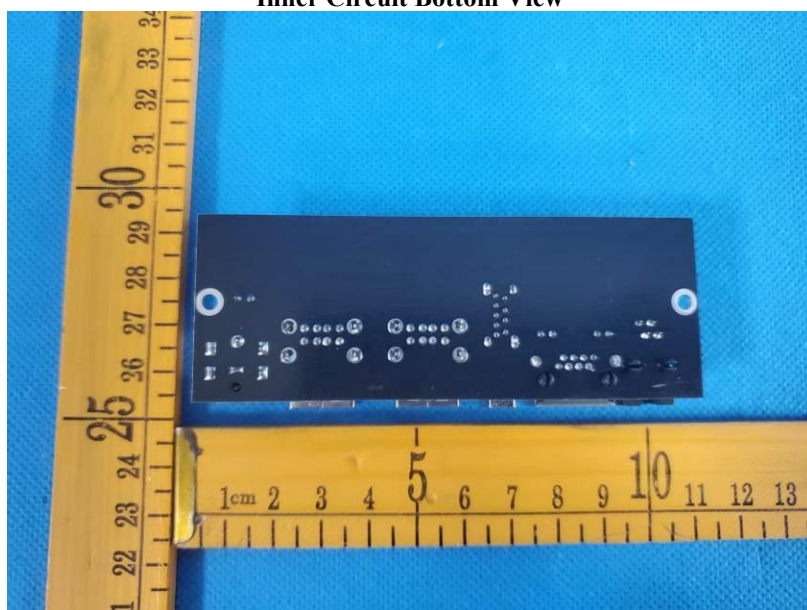
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Inner Circuit Top View



Inner Circuit Bottom View



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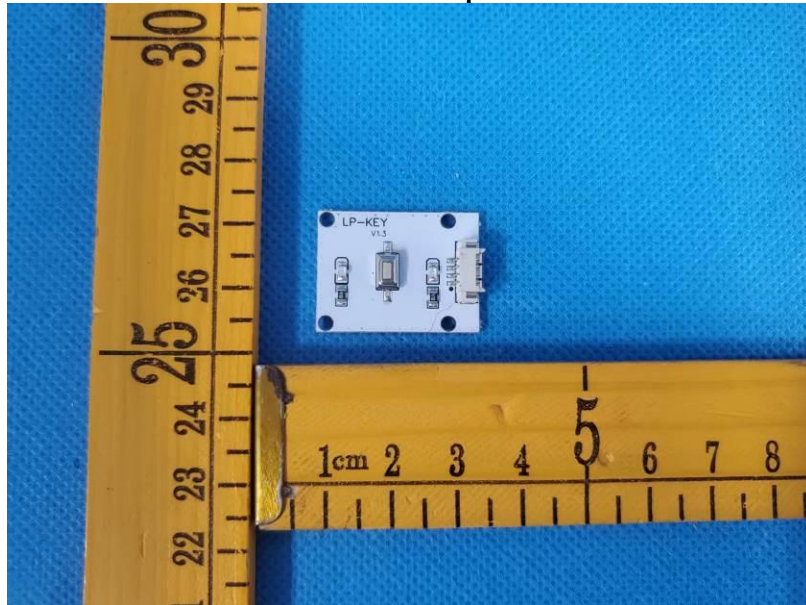
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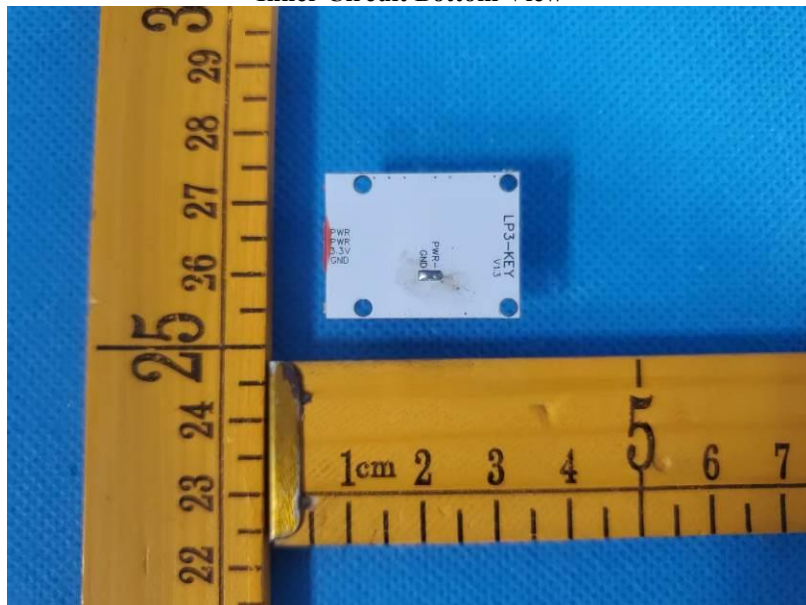
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Inner Circuit Top View



Inner Circuit Bottom View



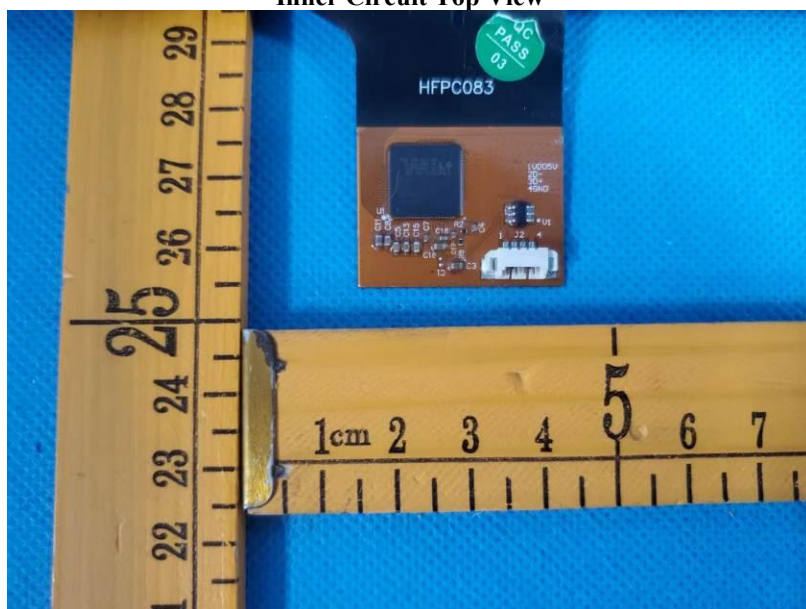
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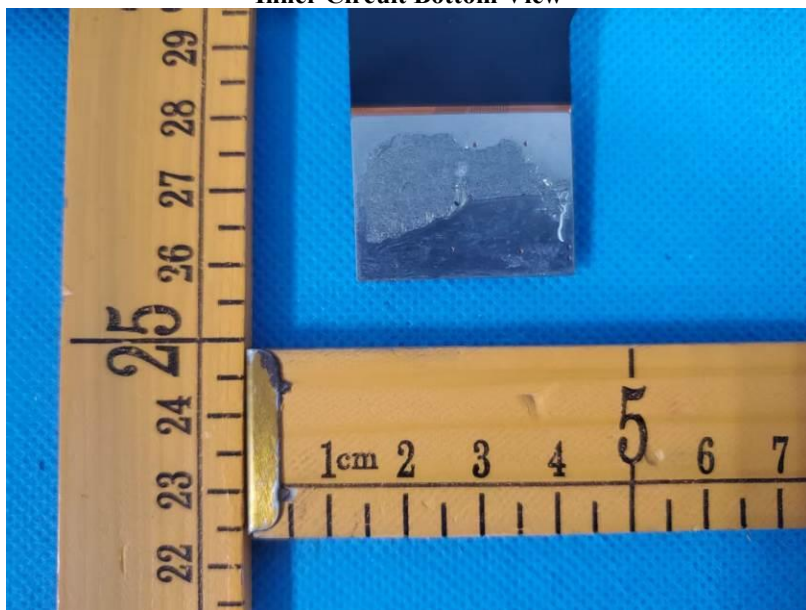
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Inner Circuit Top View



Inner Circuit Bottom View



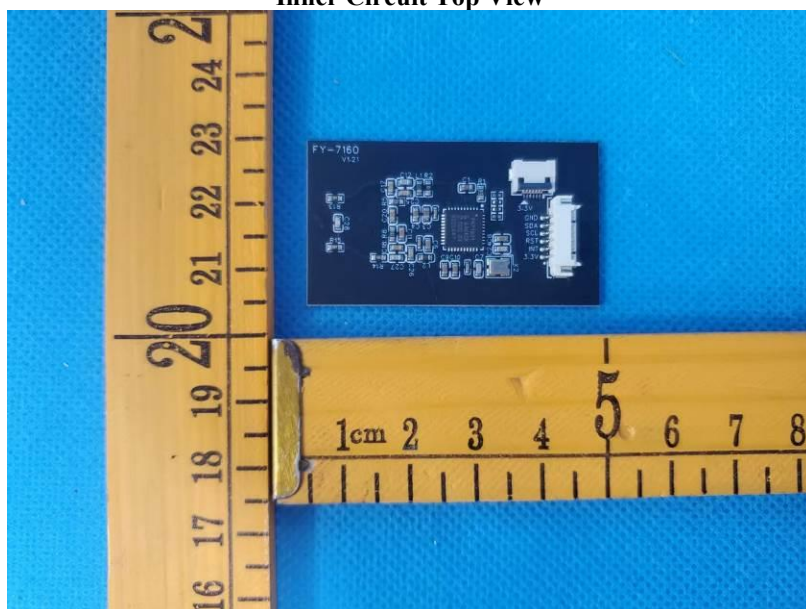
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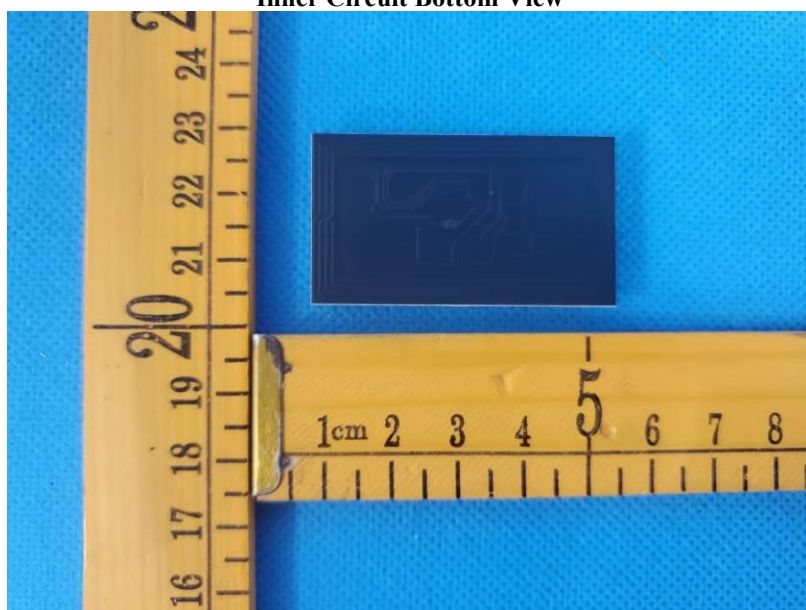
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Inner Circuit Top View



Inner Circuit Bottom View



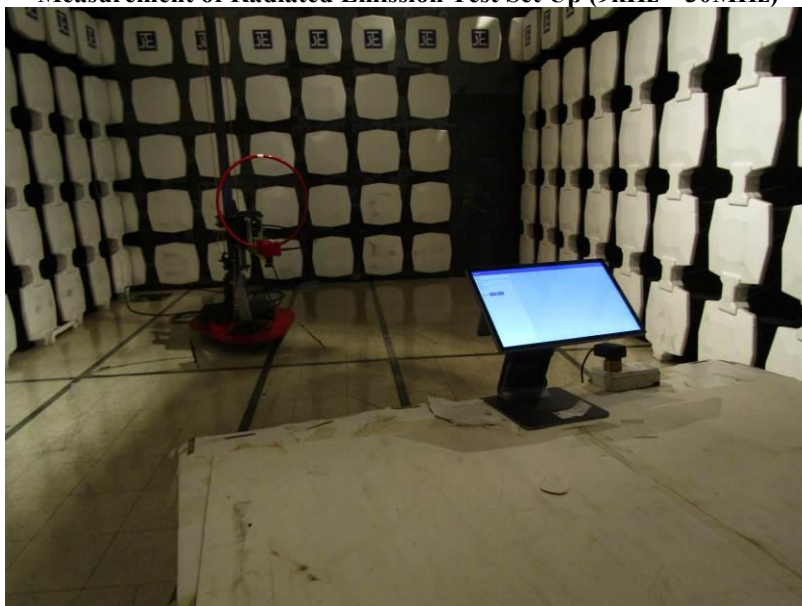
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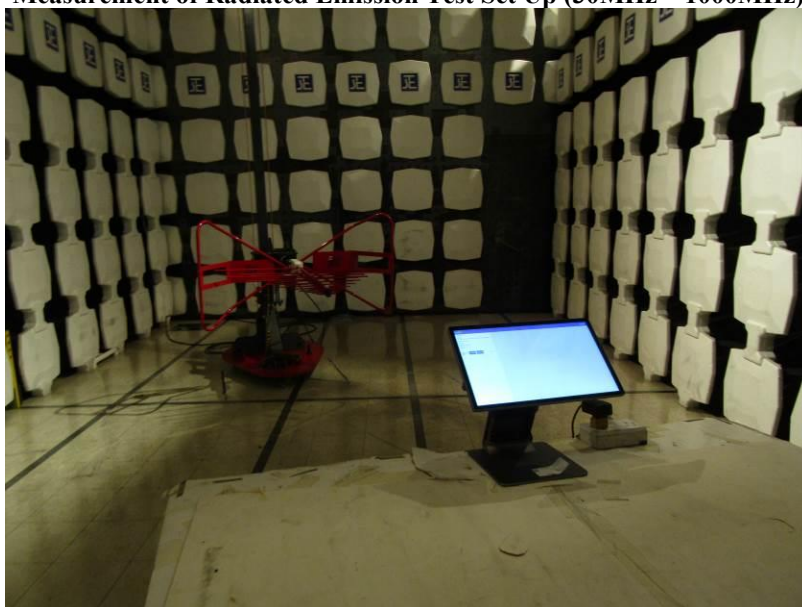
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Photographs of EUT

Measurement of Radiated Emission Test Set Up (9kHz – 30MHz)



Measurement of Radiated Emission Test Set Up (30MHz – 1000MHz)



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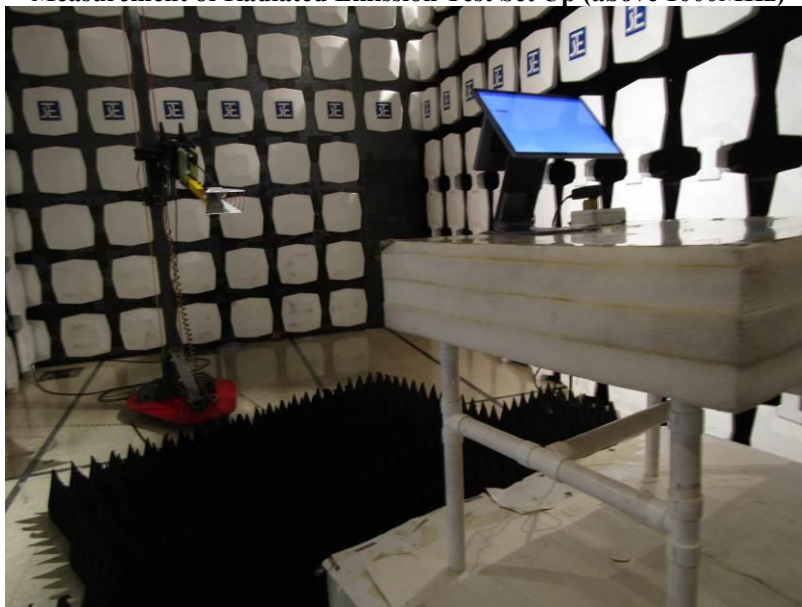
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Photographs of EUT

Measurement of Radiated Emission Test Set Up (above 1000MHz)



Measurement of Conducted Emission Test Set Up



******* End of Test Report *******

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