



FCC PART 15E TEST REPORT No.25T04Z100410-014

for

TCL Communication Ltd.

Projector

P30D8F

FCC ID: 2ACCJB234

with

Hardware Version: TP3_M_F

Software Version: V11

Issued Date: 2025-07-14

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

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No.25T04Z100410-014

REPORT HISTORY

Report Number	Revision	Description	Issue Date
25T04Z100410-014	Rev.0	1st edition	2025-07-14

Note: the latest revision of the test report supersedes all previous version.

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1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

1.2. Testing Location

Conducted testing Location:CTTL(Gaolizhang Road)

Address: Cuihu Cloud Center, No.1, Gaolizhang Road, Wenquan,
Haidian District, Beijing, China

Radiated testing Location: CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,
100191, P. R. China

1.3. Testing Environment

Normal Temperature: 15-35°C

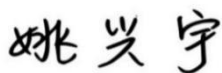
Relative Humidity: 20-75%

1.4. Project date

Testing Start Date: 2025-04-24

Testing End Date: 2025-07-14

1.5. Signature



Yao Xingyu

(Prepared this test report)



Zheng Wei

(Reviewed this test report)



Pang Shuai

(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name: TCL Communication Ltd.
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Park, Shatin, NT, Hong Kong
City: Hong Kong
Postal Code: /
Country: China
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2.2. Manufacturer Information

Company Name: TCL Communication Ltd.
Address/Post: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science
Park, Shatin, NT, Hong Kong
City: Hong Kong
Postal Code: /
Country: China
Contact Person: Ting Wang
Contact Email: ting.wang.hz@tcl.com
Telephone: +86 752 2639091
Fax: /

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	Projector
Model name	P30D8F
FCC ID	2ACCJB234
WLAN Frequency Band	ISM Bands: -5150MHz~5250MHz -5250MHz~5350MHz -5470MHz~5725MHz
Type of modulation	OFDM
Antenna	Integral Antenna
Normal Voltage	20V
Extreme High Voltage	21V
Extreme Low Voltage	19V

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
UT01a	P30D8F3J1EH0001	TP3_M_F	V11	2025-04-01
UT10a	P30D8F3J1EH000A	TP3_M_F	V11	2025-05-09

*EUT ID: is used to identify the test sample in the lab internally.

UT01a is used for Conduction test, UT10a is used for Radiation test.

3.3. Internal Identification of AE used during the test

AE ID*	Description	Model	Manufacturer	Remark
AE1	Battery	TLp043G7	Veken	--
AE2	Adapter	PD100E-B1C0AVU C	Mass Power Electronics Inc.	--
AE3	Cable	UL2725-18	Huizhou Besiter Power Technology Co., Ltd	--

*AE ID: is used to identify the test sample in the lab internally.

3.4. General Description

The Equipment under Test (EUT) is a model of Projector with integrated antenna and inbuilt battery.

It consists of normal options: travel charger, USB cable.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.

3.5. Interpretation of the Test Environment

For the test methods, the test environment uncertainty figures correspond to an expansion factor $k=2$.

Measurement Uncertainty

Parameter	Uncertainty
temperature	0.48°C
humidity	2 %
DC voltages	0.003V

4. Reference Documents

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

FCC Part15	FCC CFR 47, Part 15, Subpart C and E:	
	15.205 Restricted bands of operation;	
	15.207 Conducted limits;	2021
	15.209 Radiated emission limits, general requirements;	
	15.403 Definitions;	
	15.407 General technical requirements.	
ANSI C63.10	Methods of Measurement of Radio-Noise Emissions from	
	Low-Voltage Electrical and Electronic Equipment in the	2013
	Range of 9 kHz to 40 GHz	
UNII: KDB 789033	General U-NII Test Procedures New Rules v02r01	2017-12
D02		

Note:UNII: KDB 789033 D02 is not in the scope of ISO/IEC 17025 accreditation by A2LA.

5. Laboratory Environment

Conducted RF performance testing is performed in shielding room.

EMC performance testing is performed in Semi-anechoic chamber.

6. Test Results

6.1. Summary of Test Results

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15C/E	Sub-clause of IC	Verdict
Maximum Output Power	15.407	/	P
Peak Power Spectral Density	15.407	/	P
26dB Emission Bandwidth	15.403	/	P
Radiated Unwanted Emission	15.407, 15.205, 15.209	/	P
AC Powerline Conducted Emission	15.207	/	P
99% Occupied bandwidth	/	/	P
Transmit Power Control	15.407	/	NA

Please refer to **ANNEX A** for detail.

Terms used in Verdict column

P	Pass, The EUT complies with the essential requirements in the standard.
NM	Not measured, The test was not measured by CTTL
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

6.2. Statements

CTTL has evaluated the test cases as listed in section 6.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.

This report only deals with the WLAN function among the features described in section 3.

6.3. Test Conditions

For this report, all the test cases are tested under normal temperature and normal voltage, and also under norm humidity, the specific condition is shown as follows:

Temperature	26°C
Voltage	20V
Humidity	44%

7. Test Facilities Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Vector Signal Analyzer	FSW67	104051	Rohde & Schwarz	1 year	2026-06-09
2	LISN	ENV216	101200	Rohde & Schwarz	1 year	2026-06-05
3	Test Receiver	ESCI	100344	Rohde & Schwarz	1 year	2026-04-01
4	Attenuator	10dB/2W	/	Rosenberger	/	/
5	Shielding Room	S81	/	ETS-Lindgren	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	FSW67	103290	Rohde & Schwarz	1 year	2026-03-23
2	EMI Antenna	VULB9163	01222	Schwarzbeck	1 year	2025-09-11
3	EMI Antenna	3115	6914	ETS-Lindgren	1 year	2026-03-31

Test Software

Test Item	Test Software and Version	Software Vendor
Radiated Continuous Emission	EMC32 V8.53.0	R&S
	EMC32 V10.60.20	R&S
Conducted Emission	EMC32 V8.53.0	R&S

8. Measurement Uncertainty

8.1 Transmitter Output Power

Measurement Uncertainty: 0.387dB,k=1.96

8.2 Peak Power Spectral Density

Measurement Uncertainty: 0.705dB,k=1.96

8.3 26dB Emission Bandwidth

Measurement Uncertainty: 60.80Hz,k=1.96

8.4 Band Edges Compliance

Measurement Uncertainty : 0.62dB,k=1.96

8.5 Spurious Emissions

Conducted (k=1.96)

Frequency Range	Uncertainty(dB)
$30\text{MHz} \leq f \leq 2\text{GHz}$	1.22
$2\text{GHz} \leq f \leq 3.6\text{GHz}$	1.22
$3.6\text{GHz} \leq f \leq 8\text{GHz}$	1.22
$8\text{GHz} \leq f \leq 12.75\text{GHz}$	1.51
$12.75\text{GHz} \leq f \leq 26\text{GHz}$	1.51
$26\text{GHz} \leq f \leq 40\text{GHz}$	1.59

8.6 Radiated Unwanted Emission

Frequency Range	Uncertainty(dB) (k=2)
9kHz-30MHz	4.92
$30\text{MHz} \leq f \leq 1\text{GHz}$	4.72
$1\text{GHz} \leq f \leq 18\text{GHz}$	4.84
$18\text{GHz} \leq f \leq 40\text{GHz}$	5.12

8.7 AC Power-line Conducted Emission

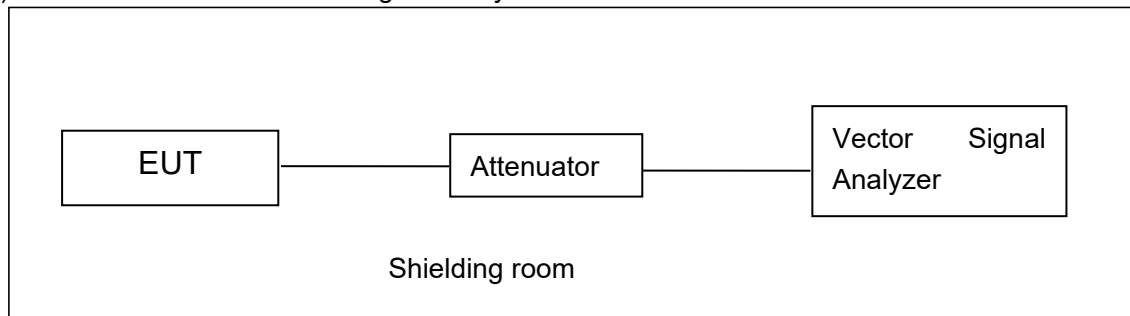
Measurement Uncertainty : 3.08dB,k=2

ANNEX A: Detailed Test Results

A.1. Measurement Method

A.1.1. Conducted Measurements

- 1). Connect the EUT to the test system correctly.
- 2). Set the EUT to the required work mode.
- 3). Set the EUT to the required channel.
- 4). Set the spectrum analyzer to start measurement.
- 5). Record the values. Vector Signal Analyzer



A.1.2. Radiated Emission Measurements

Measurement performed according to Clause 6.4, 6.5, 6.6 in ANSI C63.10-2013 and II.G.4, II.G.5, II.G.6 in KDB 789033.

The radiated emission test is performed in semi-anechoic chamber. The EUT was placed on a non-conductive table with 80cm above the ground plane for measurement below 1GHz and 1.5m above the ground plane for measurement above 1GHz. The measurement antenna was placed at a distance of 3 meters from the EUT. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated from 0° to 360° and the measurement antenna is moved from 1m to 4m to get the maximization result. The maximization process was repeated with the EUT positioned in each of its three orthogonal orientations

A.2. Maximum output Power

Measurement Limit and Method:

Standard	Frequency (MHz)	Limit (dBm)
FCC CRF Part 15.407(a)	5150MHz~5250MHz	24dBm
	5250MHz~5350MHz	24dBm or 11+10logB
	5470MHz~5725MHz	24dBm or 11+10logB

Limit use the less value, and B is the 26dB bandwidth.

The measurement method SA-2 is made according to KDB 789033

A.2.1 Antenna Gain

Antenna gain is SISO:1dBi(WIFI0)/1.2dBi(WIFI1),MIMO:1.2dBi(WIFI0/WIFI1),and the value is supplied by the applicant or manufacturer.

A.2.2 Maximum output Power-Conducted

EUT ID: UT01a

Measurement Results:

SISO

802.11a mode

Mode	Channel	Test Result (dBm)	
		Data Rate (Mbps)	
		6	
		WIFI0	WIFI1
802.11a	5180MHz (Ch36)	8.56	7.91
	5200MHz (Ch40)	8.58	7.47
	5240MHz(Ch48)	9.14	7.78
	5260MHz(Ch52)	6.52	5.55
	5280MHz(Ch56)	7.08	5.53
	5320MHz(Ch64)	6.93	5.11
	5500MHz(Ch100)	9.50	6.44
	5580MHz(Ch116)	8.62	5.75
	5700MHz(Ch140)	8.69	6.36
	5720MHz(Ch144)	8.32	5.95

The data rate 6Mbps is selected as worst condition, and the following cases are performed with this condition.

802.11n-HT20 mode

Mode	Channel	Test Result (dBm)	
		Data Rate (Mbps)	
		MCS0	
		WIFI0	WIFI1
802.11n20	5180MHz (Ch36)	2.06	1.78
	5200MHz (Ch40)	2.37	1.08
	5240MHz(Ch48)	2.76	1.48
	5260MHz(Ch52)	2.10	1.28
	5280MHz(Ch56)	2.70	1.30
	5320MHz(Ch64)	2.56	1.01
	5500MHz(Ch100)	9.25	6.42
	5580MHz(Ch116)	8.39	5.70
	5700MHz(Ch140)	8.39	6.27
	5720MHz(Ch144)	7.71	5.72

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11ac-VHT20 mode

Mode	Channel	Test Result (dBm)	
		Data Rate (Mbps)	
		MCS0	
		WIFI0	WIFI1
802.11ac20	5180MHz (Ch36)	2.07	1.82
	5200MHz (Ch40)	2.28	1.18
	5240MHz(Ch48)	2.66	1.56
	5260MHz(Ch52)	3.53	2.82
	5280MHz(Ch56)	4.10	2.78
	5320MHz(Ch64)	3.92	2.31
	5500MHz(Ch100)	9.36	6.45
	5580MHz(Ch116)	8.47	5.70
	5700MHz(Ch140)	8.49	6.25
	5720MHz(Ch144)	7.81	5.72

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11n-HT40 mode

Mode	Channel	Test Result (dBm)	
		Data Rate	
		MCS0	
		WIFI0	WIFI1
802.11n40	5190MHz (Ch38)	4.99	4.16
	5230MHz(Ch46)	5.35	4.26
	5270MHz(Ch54)	11.63	10.61
	5310MHz(Ch62)	11.97	10.21
	5510MHz(Ch102)	9.69	6.43
	5550MHz(Ch110)	8.85	6.06
	5670MHz(Ch134)	8.23	5.85
	5710MHz(Ch142)	8.50	6.35

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11ac-VHT40 mode

Mode	Channel	Test Result (dBm)	
		Data Rate	
		MCS0	
		WIFI0	WIFI1
802.11ac40	5190MHz (Ch38)	4.93	4.11
	5230MHz(Ch46)	5.30	4.29
	5270MHz(Ch54)	2.51	1.52
	5310MHz(Ch62)	2.85	1.02
	5510MHz(Ch102)	9.62	6.45
	5550MHz(Ch110)	8.92	6.03
	5670MHz(Ch134)	8.26	5.85
	5710MHz(Ch142)	8.58	6.70

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11ac-VHT80 mode

Mode	Channel	Test Result (dBm)	
		Data Rate	
		MCS0	
		WIFI0	WIFI1
802.11ac80	5210MHz(Ch42)	7.23	6.11
	5290MHz(Ch58)	7.71	5.92
	5530MHz(Ch106)	9.36	6.38
	5610MHz(Ch122)	8.13	5.57
	5690MHz(Ch138)	8.42	5.95

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

MIMO(WIFI0&WIFI1)

802.11n-HT20 mode

Mode	Channel	Test Result (dBm)		
		Data Rate (Mbps)		
		MCS0		
		WIFI0	WIFI1	Sum
802.11n20	5180MHz (Ch36)	2.19	1.63	4.93
	5200MHz (Ch40)	2.46	1.13	4.86
	5240MHz(Ch48)	2.89	1.64	5.32
	5260MHz(Ch52)	2.27	1.38	4.86
	5280MHz(Ch56)	2.90	1.29	5.18
	5320MHz(Ch64)	2.71	1.01	4.95
	5500MHz(Ch100)	9.44	6.63	11.27
	5580MHz(Ch116)	8.43	5.82	10.33
	5700MHz(Ch140)	8.49	6.40	10.58
	5720MHz(Ch144)	8.01	5.85	10.07

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11ac-VHT20 mode

Mode	Channel	Test Result (dBm)		
		Data Rate (Mbps)		
		MCS0		
		WIFI0	WIFI1	Sum
802.11ac20	5180MHz (Ch36)	2.22	1.68	4.97
	5200MHz (Ch40)	2.50	1.17	4.90
	5240MHz(Ch48)	2.89	1.57	5.29
	5260MHz(Ch52)	3.73	2.83	6.31
	5280MHz(Ch56)	4.29	2.82	6.63
	5320MHz(Ch64)	4.15	2.40	6.37
	5500MHz(Ch100)	9.43	6.58	11.25
	5580MHz(Ch116)	8.58	5.91	10.46
	5700MHz(Ch140)	8.55	6.42	10.62
	5720MHz(Ch144)	7.87	5.75	9.95

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11n-HT40 mode

Mode	Channel	Test Result (dBm)		
		Data Rate		
		MCS0		
		WIFI0	WIFI1	Sum
802.11n40	5190MHz (Ch38)	5.19	4.10	7.69
	5230MHz(Ch46)	5.45	4.08	7.83
	5270MHz(Ch54)	11.65	10.74	14.23
	5310MHz(Ch62)	11.95	10.20	14.17
	5510MHz(Ch102)	9.56	6.31	11.24
	5550MHz(Ch110)	8.85	6.05	10.68
	5670MHz(Ch134)	8.28	5.87	10.25
	5710MHz(Ch142)	8.26	6.15	10.34

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11ac-VHT40 mode

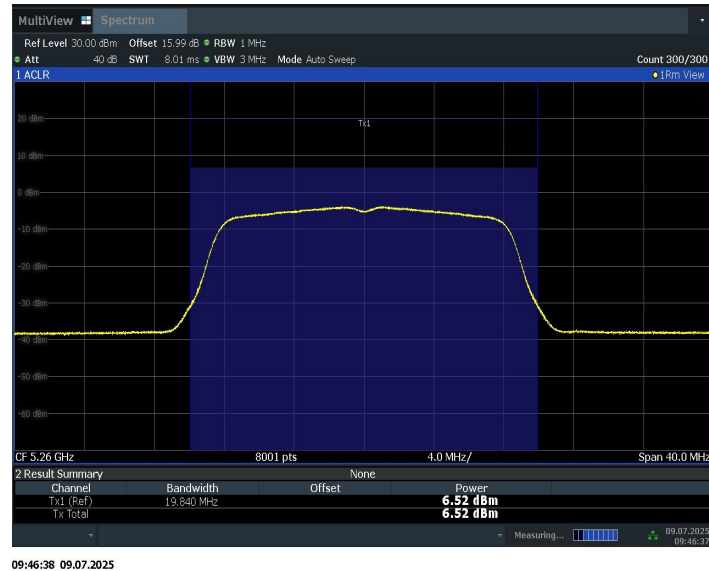
Mode	Channel	Test Result (dBm)		
		Data Rate		
		MCS0		
		WIFI0	WIFI1	Sum
802.11ac40	5190MHz (Ch38)	5.18	4.04	7.66
	5230MHz(Ch46)	5.49	4.04	7.84
	5270MHz(Ch54)	2.66	1.27	5.03
	5310MHz(Ch62)	3.04	1.02	5.16
	5510MHz(Ch102)	9.52	6.40	11.24
	5550MHz(Ch110)	8.81	6.00	10.64
	5670MHz(Ch134)	8.31	5.80	10.24
	5710MHz(Ch142)	8.51	6.60	10.67

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.

802.11ac-VHT80 mode

Mode	Channel	Test Result (dBm)		
		Data Rate		
		MCS0		
		WIFI0	WIFI1	Sum
802.11ac80	5210MHz(Ch42)	7.18	6.08	9.68
	5290MHz(Ch58)	7.77	6.02	9.99
	5530MHz(Ch106)	9.31	6.35	11.09
	5610MHz(Ch122)	8.23	5.58	10.11
	5690MHz(Ch138)	8.40	6.05	10.39

The data rate MCS0 is selected as worst condition, and the following cases are performed with this condition.



Maximum output Power: 11a CH52 WIFI0

The duty cycle of all mode are

Mode	802.11a	802.11n20	802.11ac20	802.11n40	802.11ac40	802.11ac80
Duty Cycle	96%	96%	96%	91%	92%	87%



Duty cycle

Conclusion: PASS

A.3. Peak Power Spectral Density (conducted)

Measurement Limit:

Standard	Frequency (MHz)	Limit (dBm/MHz)
FCC CRF Part 15.407(a)	5150MHz~5250MHz	11
	5250MHz~5350MHz	11
	5470MHz~5725MHz	11

The output power measurement method Section F is made according to KDB 789033

EUT ID: UT01a

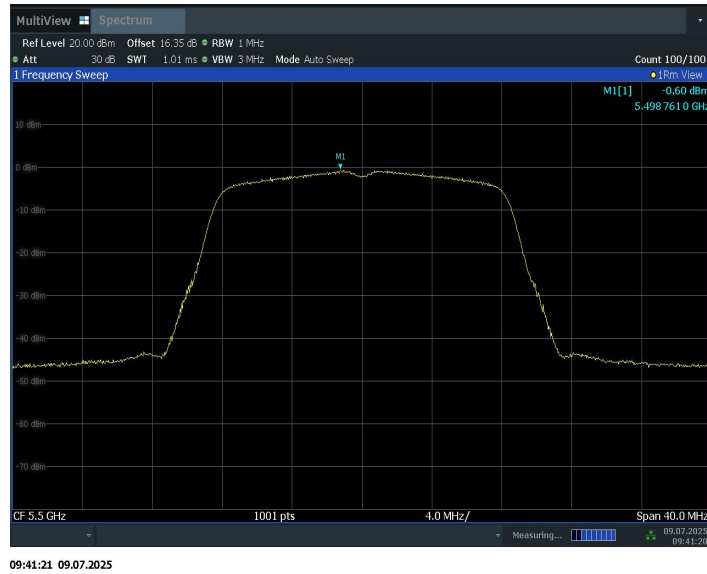
Measurement Results:

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	WIFI0	5180	-1.69	≤11.00	PASS
	WIFI0	5200	-1.61	≤11.00	PASS
	WIFI0	5240	-0.92	≤11.00	PASS
	WIFI0	5260	-3.55	≤11.00	PASS
	WIFI0	5280	-3.10	≤11.00	PASS
	WIFI0	5320	-3.23	≤11.00	PASS
	WIFI0	5500	-0.60	≤11.00	PASS
	WIFI0	5580	-1.57	≤11.00	PASS
	WIFI0	5700	-1.47	≤11.00	PASS
	WIFI0	5720	-1.95	≤11.00	PASS
11N40SISO	WIFI0	5190	-8.47	≤11.00	PASS
	WIFI0	5230	-7.90	≤11.00	PASS
	WIFI0	5270	-1.91	≤11.00	PASS
	WIFI0	5310	-1.52	≤11.00	PASS
	WIFI0	5510	-3.39	≤11.00	PASS
	WIFI0	5550	-4.44	≤11.00	PASS
	WIFI0	5670	-4.90	≤11.00	PASS
	WIFI0	5710	-4.78	≤11.00	PASS
11AC20SISO	WIFI0	5180	-8.18	≤11.00	PASS
	WIFI0	5200	-8.04	≤11.00	PASS
	WIFI0	5240	-7.62	≤11.00	PASS
	WIFI0	5260	-6.97	≤11.00	PASS
	WIFI0	5280	-6.02	≤11.00	PASS
	WIFI0	5320	-6.46	≤11.00	PASS
	WIFI0	5500	-1.00	≤11.00	PASS
	WIFI0	5580	-1.99	≤11.00	PASS
	WIFI0	5700	-1.73	≤11.00	PASS
	WIFI0	5720	-2.16	≤11.00	PASS
11AC80SISO	WIFI0	5210	-9.39	≤11.00	PASS
	WIFI0	5290	-8.12	≤11.00	PASS

	WIFI0	5530	-7.22	≤ 11.00	PASS
	WIFI0	5610	-8.47	≤ 11.00	PASS
	WIFI0	5690	-7.69	≤ 11.00	PASS
11N20MIMO	WIFI0	5180	-7.94	≤ 11.00	PASS
	WIFI1	5180	-8.51	≤ 11.00	PASS
	total	5180	-5.21	≤ 11.00	PASS
	WIFI0	5200	-7.71	≤ 11.00	PASS
	WIFI1	5200	-8.98	≤ 11.00	PASS
	total	5200	-5.29	≤ 11.00	PASS
	WIFI0	5240	-7.43	≤ 11.00	PASS
	WIFI1	5240	-8.71	≤ 11.00	PASS
	total	5240	-5.01	≤ 11.00	PASS
	WIFI0	5260	-8.16	≤ 11.00	PASS
	WIFI1	5260	-8.85	≤ 11.00	PASS
	total	5260	-5.48	≤ 11.00	PASS
	WIFI0	5280	-7.49	≤ 11.00	PASS
	WIFI1	5280	-8.96	≤ 11.00	PASS
	total	5280	-5.15	≤ 11.00	PASS
	WIFI0	5320	-7.83	≤ 11.00	PASS
	WIFI1	5320	-9.46	≤ 11.00	PASS
	total	5320	-5.56	≤ 11.00	PASS
	WIFI0	5500	-0.89	≤ 11.00	PASS
	WIFI1	5500	-3.92	≤ 11.00	PASS
	total	5500	0.86	≤ 11.00	PASS
	WIFI0	5580	-1.95	≤ 11.00	PASS
	WIFI1	5580	-4.21	≤ 11.00	PASS
	total	5580	0.08	≤ 11.00	PASS
	WIFI0	5700	-1.83	≤ 11.00	PASS
	WIFI1	5700	-3.79	≤ 11.00	PASS
	total	5700	0.31	≤ 11.00	PASS
	WIFI0	5720	-2.02	≤ 11.00	PASS
	WIFI1	5720	-4.12	≤ 11.00	PASS
	total	5720	0.07	≤ 11.00	PASS
11N40MIMO	WIFI0	5190	-7.72	≤ 11.00	PASS
	WIFI1	5190	-9.25	≤ 11.00	PASS
	total	5190	-5.41	≤ 11.00	PASS
	WIFI0	5230	-7.72	≤ 11.00	PASS
	WIFI1	5230	-9.69	≤ 11.00	PASS
	total	5230	-5.58	≤ 11.00	PASS
	WIFI0	5270	-1.81	≤ 11.00	PASS
	WIFI1	5270	-2.09	≤ 11.00	PASS
	total	5270	1.06	≤ 11.00	PASS

	WIFI0	5310	-1.58	≤11.00	PASS
	WIFI1	5310	-2.58	≤11.00	PASS
	total	5310	0.96	≤11.00	PASS
	WIFI0	5510	-3.60	≤11.00	PASS
	WIFI1	5510	-7.05	≤11.00	PASS
	total	5510	-1.98	≤11.00	PASS
	WIFI0	5550	-4.48	≤11.00	PASS
	WIFI1	5550	-7.26	≤11.00	PASS
	total	5550	-2.64	≤11.00	PASS
	WIFI0	5670	-5.18	≤11.00	PASS
	WIFI1	5670	-7.91	≤11.00	PASS
	total	5670	-3.32	≤11.00	PASS
	WIFI0	5710	-4.79	≤11.00	PASS
	WIFI1	5710	-7.03	≤11.00	PASS
	total	5710	-2.76	≤11.00	PASS
11AC80MIMO	WIFI0	5210	-9.89	≤11.00	PASS
	WIFI1	5210	-10.69	≤11.00	PASS
	total	5210	-7.26	≤11.00	PASS
	WIFI0	5290	-8.21	≤11.00	PASS
	WIFI1	5290	-11.56	≤11.00	PASS
	total	5290	-6.56	≤11.00	PASS
	WIFI0	5530	-6.90	≤11.00	PASS
	WIFI1	5530	-9.42	≤11.00	PASS
	total	5530	-4.97	≤11.00	PASS
	WIFI0	5610	-8.42	≤11.00	PASS
	WIFI1	5610	-10.86	≤11.00	PASS
	total	5610	-6.46	≤11.00	PASS
	WIFI0	5690	-7.52	≤11.00	PASS
	WIFI1	5690	-9.63	≤11.00	PASS
	total	5690	-5.44	≤11.00	PASS

Note:SISO:All results have been tested, only shows the worst case



Peak Power Spectral Density: 11a CH100 WIFI0

Conclusion: PASS

A.4. 26dB Emission Bandwidth (conducted)

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.403 (i)	/

The measurement is made according to KDB 789033

Measurement Uncertainty:

Measurement Uncertainty	60.80Hz
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EUT ID: UT01a

Measurement Result:

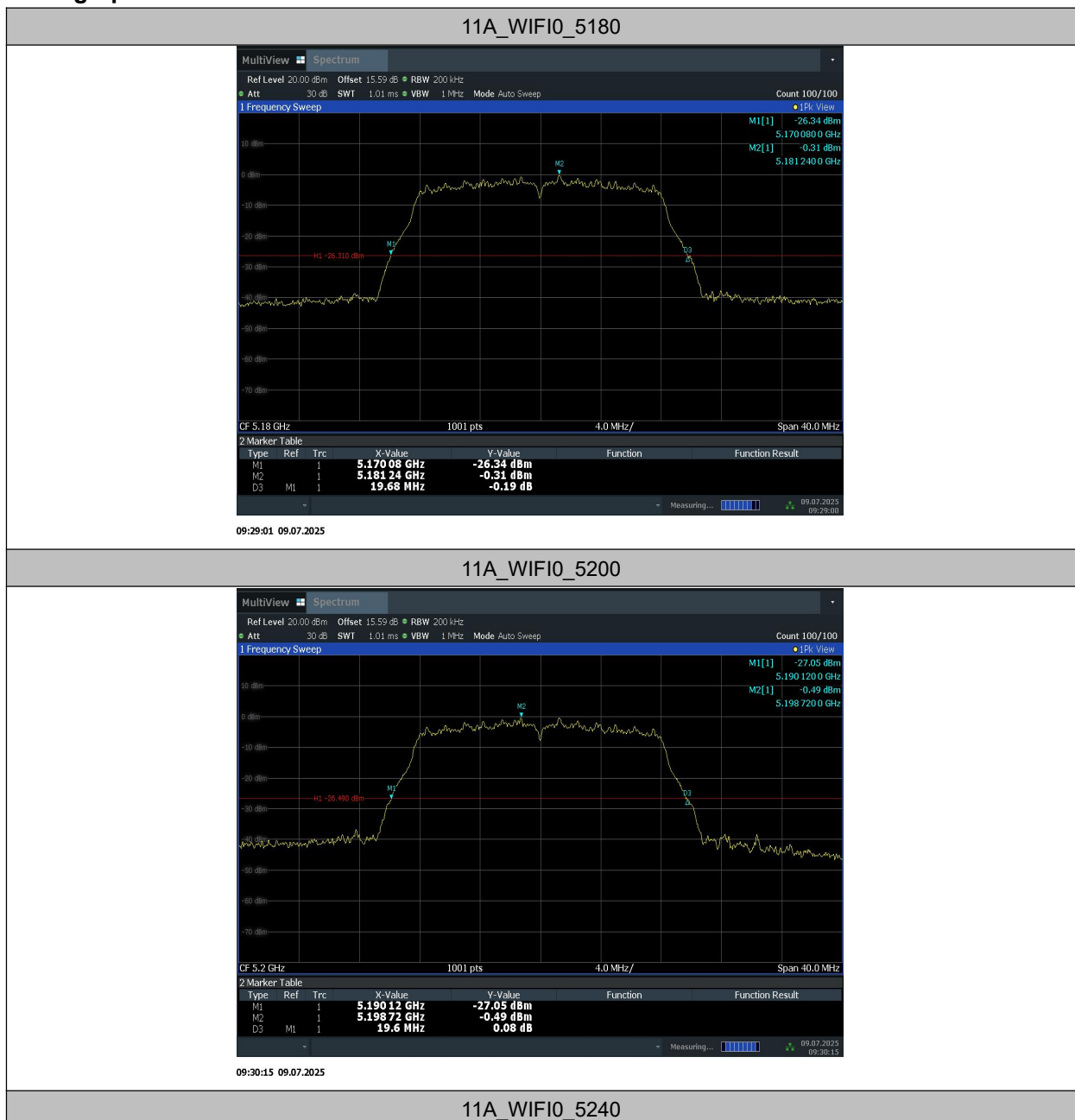
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	WIFI0	5180	19.68	5170.08	5189.76	---	---
	WIFI0	5200	19.60	5190.12	5209.72	---	---
	WIFI0	5240	19.52	5230.12	5249.64	---	---
	WIFI0	5260	19.84	5250.08	5269.92	---	---
	WIFI0	5280	19.64	5270.16	5289.80	---	---
	WIFI0	5320	19.72	5310.12	5329.84	---	---
	WIFI0	5500	19.72	5490.12	5509.84	---	---
	WIFI0	5580	19.76	5570.12	5589.88	---	---
	WIFI0	5700	19.64	5690.16	5709.80	---	---
	WIFI0	5720	19.64	5710.16	5729.80	---	---
11N40SISO	WIFI0	5190	40.88	5169.52	5210.40	---	---
	WIFI0	5230	40.64	5209.76	5250.40	---	---
	WIFI0	5270	41.36	5249.44	5290.80	---	---
	WIFI0	5310	41.12	5289.44	5330.56	---	---
	WIFI0	5510	40.72	5489.76	5530.48	---	---
	WIFI0	5550	40.72	5529.60	5570.32	---	---
	WIFI0	5670	41.68	5649.52	5691.20	---	---
	WIFI0	5710	41.04	5689.36	5730.40	---	---
11AC20SISO	WIFI0	5180	20.16	5169.96	5190.12	---	---
	WIFI0	5200	20.16	5189.92	5210.08	---	---
	WIFI0	5240	20.04	5230.00	5250.04	---	---
	WIFI0	5260	20.16	5249.92	5270.08	---	---
	WIFI0	5280	20.08	5270.04	5290.12	---	---
	WIFI0	5320	20.08	5310.00	5330.08	---	---
	WIFI0	5500	20.08	5490.00	5510.08	---	---
	WIFI0	5580	20.12	5569.96	5590.08	---	---
	WIFI0	5700	20.12	5689.96	5710.08	---	---
	WIFI0	5720	20.08	5710.00	5730.08	---	---
11AC80SISO	WIFI0	5210	82.08	5169.04	5251.12	---	---
	WIFI0	5290	82.08	5249.04	5331.12	---	---

	WIFI0	5530	81.92	5489.04	5570.96	---	---
	WIFI0	5610	82.24	5568.88	5651.12	---	---
	WIFI0	5690	82.08	5649.04	5731.12	---	---
11N20MIMO	WIFI0	5180	20.04	5170.04	5190.08	---	---
	WIFI1	5180	20.04	5170.00	5190.04	---	---
	WIFI0	5200	20.12	5189.92	5210.04	---	---
	WIFI1	5200	19.80	5190.20	5210.00	---	---
	WIFI0	5240	20.04	5230.00	5250.04	---	---
	WIFI1	5240	20.04	5230.04	5250.08	---	---
	WIFI0	5260	20.12	5249.96	5270.08	---	---
	WIFI1	5260	19.88	5250.12	5270.00	---	---
	WIFI0	5280	20.04	5270.08	5290.12	---	---
	WIFI1	5280	20.04	5270.00	5290.04	---	---
	WIFI0	5320	20.12	5310.00	5330.12	---	---
	WIFI1	5320	19.80	5310.16	5329.96	---	---
	WIFI0	5500	20.12	5490.00	5510.12	---	---
	WIFI1	5500	19.96	5490.04	5510.00	---	---
	WIFI0	5580	20.16	5569.96	5590.12	---	---
	WIFI1	5580	19.88	5570.16	5590.04	---	---
	WIFI0	5700	20.08	5690.04	5710.12	---	---
	WIFI1	5700	19.84	5690.20	5710.04	---	---
	WIFI0	5720	20.08	5710.04	5730.12	---	---
	WIFI1	5720	19.92	5710.12	5730.04	---	---
11N40MIMO	WIFI0	5190	40.40	5169.60	5210.00	---	---
	WIFI1	5190	40.08	5169.84	5209.92	---	---
	WIFI0	5230	40.72	5209.76	5250.48	---	---
	WIFI1	5230	40.56	5209.68	5250.24	---	---
	WIFI0	5270	41.36	5249.44	5290.80	---	---
	WIFI1	5270	39.92	5249.92	5289.84	---	---
	WIFI0	5310	41.28	5289.20	5330.48	---	---
	WIFI1	5310	39.92	5290.16	5330.08	---	---
	WIFI0	5510	40.56	5489.84	5530.40	---	---
	WIFI1	5510	40.40	5489.92	5530.32	---	---
	WIFI0	5550	40.64	5529.76	5570.40	---	---
	WIFI1	5550	40.40	5529.76	5570.16	---	---
	WIFI0	5670	41.84	5649.52	5691.36	---	---
	WIFI1	5670	40.72	5649.68	5690.40	---	---
	WIFI0	5710	42.08	5689.28	5731.36	---	---
	WIFI1	5710	40.16	5690.00	5730.16	---	---
11AC80MIMO	WIFI0	5210	82.24	5169.04	5251.28	---	---
	WIFI1	5210	80.64	5169.68	5250.32	---	---
	WIFI0	5290	81.92	5249.20	5331.12	---	---

	WIFI1	5290	80.96	5249.52	5330.48	---	---
	WIFI0	5530	82.08	5489.04	5571.12	---	---
	WIFI1	5530	80.32	5489.84	5570.16	---	---
	WIFI0	5610	82.08	5569.04	5651.12	---	---
	WIFI1	5610	81.12	5569.68	5650.80	---	---
	WIFI0	5690	81.92	5649.04	5730.96	---	---
	WIFI1	5690	80.96	5649.68	5730.64	---	---

Note:SISO:All results have been tested, only shows the worst case

Test graphs as below:





09:33:49 09.07.2025

11A_WIFI0_5260



09:35:35 09.07.2025

11A_WIFI0_5280



11A_WIFI0_5320



11A_WIFI0_5500



09:40:37 09.07.2025

11A_WIFIO_5580



09:41:43 09.07.2025

11A_WIFIO_5700



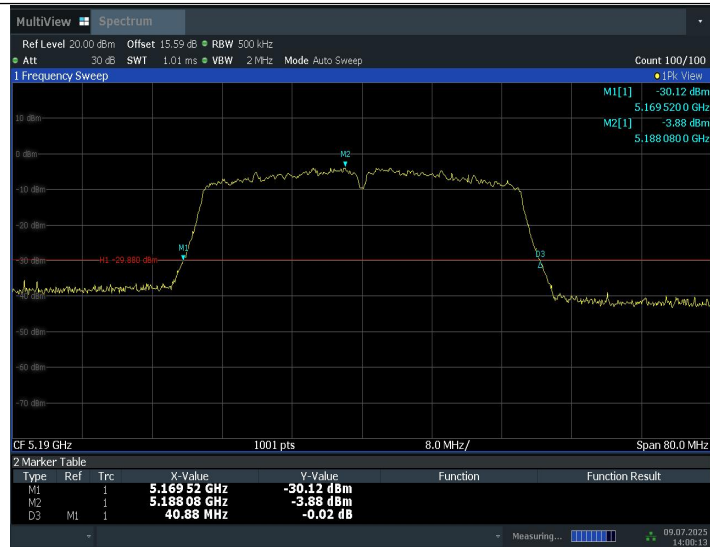
09:42:48 09.07.2025

11A_WIFI0_5720



09:43:55 09.07.2025

11N40SISO_WIFI0_5190



11N40SISO_WIFIO_5230



11N40SISO_WIFIO_5270



14:03:25 09.07.2025

11N40SISO_WIFIO_5310



14:05:03 09.07.2025

11N40SISO_WIFIO_5510



14:06:16 09.07.2025

11N40SISO_WIFIO_5550



14:07:20 09.07.2025

11N40SISO_WIFIO_5670



14:08:26 09.07.2025

11N40SISO_WIFIO_5710



14:10:05 09.07.2025

11AC20SISO_WIFIO_5180



14:52:42 09.07.2025

11AC20SISO_WIFI0_5200



14:55:58 09.07.2025

11AC20SISO_WIFI0_5240



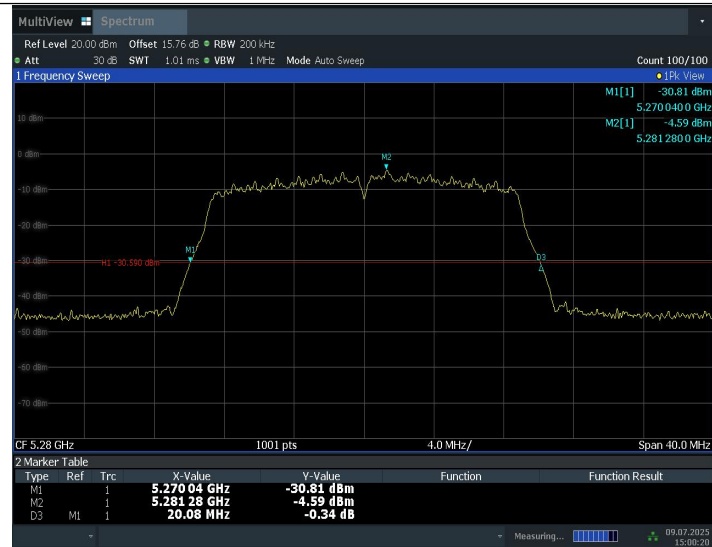
14:57:53 09.07.2025

11AC20SISO_WIFI0_5260



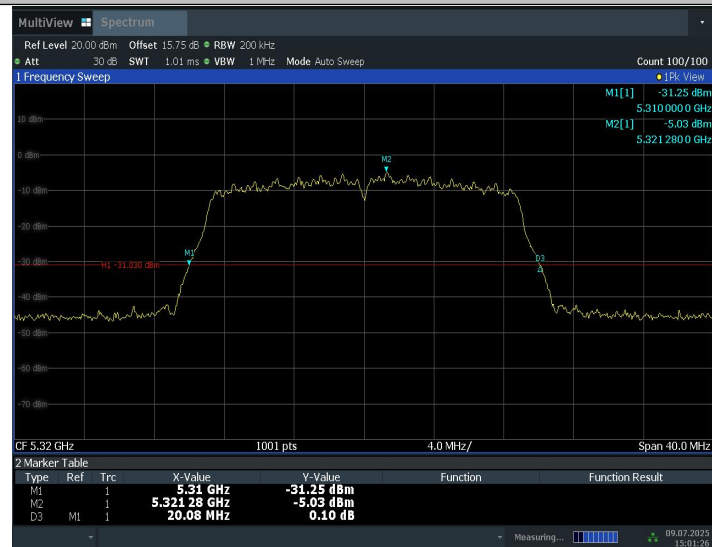
14:59:14 09.07.2025

11AC20SISO_WIFI0_5280



15:00:21 09.07.2025

11AC20SISO_WIFIO_5320



15:01:26 09.07.2025

11AC20SISO_WIFIO_5500



15:02:35 09.07.2025

11AC20SISO_WIFI0_5580



15:04:46 09.07.2025

11AC20SISO_WIFI0_5700



15:05:54 09.07.2025

11AC20SISO_WIFI0_5720



15:07:00 09.07.2025

11AC80SISO_WIFI0_5210



16:51:50 09.07.2025

11AC80SISO_WIFI0_5290



16:53:04 09.07.2025

11AC80SISO_WIFI0_5530



16:55:36 09.07.2025

11AC80SISO_WIFI0_5610



16:57:12 09.07.2025

11AC80SISO_WIFI0_5690



16:58:49 09.07.2025

11N20MIMO_WIFI0_5180



11:35:27 09.07.2025

11N20MIMO_WIFI1_5180