

FCC Measurement/Technical Report on

WLAN and Bluetooth module

JODY W683-21A

FCC ID: XPYJODYW6A
IC: 8595A-JODYW6A

Test Report Reference: MDE_UBLOX_2411_FCC_08_rev01

Test Laboratory:

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Deutsche
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D-PL-12140-01-00

Note:

The following test results relate only to the devices specified in this document. This report shall not be reproduced in parts without the written approval of the test laboratory.

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1 APPLIED STANDARDS AND TEST SUMMARY

1.1 APPLIED STANDARDS

Type of Authorization

Certification for an Intentional Radiator (Digital Device / Spread Spectrum).

Applicable FCC Rules

Prepared in accordance with the requirements of FCC Rules and Regulations as listed in 47 CFR Ch.1 Parts 2 and 15 (10-1-24 Edition). The following subparts are applicable to the results in this test report.

Part 2, Subpart J - Equipment Authorization Procedures, Certification

Part 15, Subpart C – Intentional Radiators

§ 15.201 Equipment authorization requirement

§ 15.207 Conducted limits

§ 15.209 Radiated emission limits; general requirements

Part 15, Subpart E – Unlicensed National Information Infrastructure Devices

§ 15.403 Definitions

§ 15.407 General technical requirements

Note:

"GUIDELINES FOR COMPLIANCE TESTING OF UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE 6 GHz (U-NII) DEVICES PART 15, SUBPART E, 987594 D02 U-NII 6GHz EMC Measurement v03, 2024-10-10".

ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 is applied.

1.2 FCC-IC CORRELATION TABLE

Correlation of measurement requirements for UNII / LE-LAN (e.g. WLAN 6 GHz) equipment from FCC and IC

UNII equipment

Measurement	FCC reference	IC reference
Conducted emissions on AC Mains	§ 15.207	RSS-Gen Issue 5 & AMD 1 & AMD 2: 8.8
Occupied bandwidth	§ 15.403 (26 dB) / § 15.407 (a) (11)	RSS-248 Issue 3: 4.4 (99%)
Maximum conducted output power	§ 15.407 (a) (4) to (9), (12)	RSS-248 Issue 3: 4.5
Maximum power spectral density	§ 15.407 (a) (4) to (9), (13)	RSS-248 Issue 3: 4.5
Transmitter undesirable emissions; General Field Strength Limits, Restricted Bands, In-Band Emissions	§ 15.407 (b) § 15.209 (a)	RSS-Gen Issue 5: 6.13 / 8.9 / 8.10; RSS-248 Issue 3: 4.6
Frequency stability	§ 15.407 (g)	RSS-Gen Issue 5: 6.11 / 8.11
Antenna requirement	§ 15.203 / 15.204 § 15.407 (a) (10)	RSS-Gen Issue 5 & AMD 1 & AMD 2: 6.8 RSS-248 Issue 3: 4.8.3 c. / 4.8.4 c.
Contention Based Protocol	§ 15.407 (d) (6)	RSS-248 Issue 3: 4.7
Receiver spurious emissions	-	-

1.3 MEASUREMENT SUMMARY

47 CFR CHAPTER I FCC PART 15 Subpart E §15.407

FCC §15.207

AC Conducted Emissions

The measurement was performed according to ANSI C63.10, chapter 6.2

Final Result

OP-Mode

Operating mode

WLAN ax

Setup

S04_AG01

Date

2025-07-22

FCC

Passed

IC

Passed

47 CFR CHAPTER I FCC PART 15 Subpart E §15.407 FCC §15.31, §15.403 (i)

26 dB Bandwidth

The measurement was performed according to ANSI C63.10, chapter 12.5.2

Final Result

OP-Mode

Radio Technology, Operating Frequency, Subband

Setup

Date

FCC

IC

WLAN ax 20 MHz, high, U-NII-5

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, high, U-NII-6

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, high, U-NII-7

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, high, U-NII-8

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, low, U-NII-5

S01_AC01

2025-04-08

Passed

N/A

WLAN ax 20 MHz, low, U-NII-6

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, low, U-NII-7

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, low, U-NII-8

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, mid, U-NII-5

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, mid, U-NII-6

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, mid, U-NII-7

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, mid, U-NII-8

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 20 MHz, straddle, U-NII-7 + U-NII-8

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, high, U-NII-5

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, high, U-NII-6

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, high, U-NII-7

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, high, U-NII-8

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, low, U-NII-5

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, low, U-NII-6

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, low, U-NII-7

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, low, U-NII-8

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, mid, U-NII-5

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, mid, U-NII-7

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, mid, U-NII-8

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, straddle, U-NII-6 + U-NII-7

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 40 MHz, straddle, U-NII-7 + U-NII-8

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 80 MHz, high, U-NII-5

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 80 MHz, high, U-NII-7

S01_AC01

2025-04-09

Passed

N/A

WLAN ax 80 MHz, high, U-NII-8

S01_AC01

2025-04-09

Passed

N/A

47 CFR CHAPTER I FCC PART 15 Subpart E §15.407

26 dB Bandwidth

The measurement was performed according to ANSI C63.10, chapter 12.5.2 **Final Result**

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Subband				
WLAN ax 80 MHz, low, U-NII-5	S01_AC01	2025-04-09	Passed	N/A
WLAN ax 80 MHz, low, U-NII-6	S01_AC01	2025-04-09	Passed	N/A
WLAN ax 80 MHz, low, U-NII-7	S01_AC01	2025-04-09	Passed	N/A
WLAN ax 80 MHz, low, U-NII-8	S01_AC01	2025-04-09	Passed	N/A
WLAN ax 80 MHz, mid, U-NII-5	S01_AC01	2025-04-09	Passed	N/A
WLAN ax 80 MHz, mid, U-NII-7	S01_AC01	2025-04-09	Passed	N/A
WLAN ax 80 MHz, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-04-09	Passed	N/A
WLAN ax 80 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-04-09	Passed	N/A

47 CFR CHAPTER I FCC PART 15 Subpart E §15.407

FCC §15.31, IC RSS 248 Ch. 4.4

99 % Bandwidth

The measurement was performed according to ANSI C63.10, chapter 12.5.3 (6.9.3) **Final Result**

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Subband				
WLAN ax 20 MHz, high, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, high, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, high, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, high, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, low, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, low, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, low, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, low, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, high, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, high, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, high, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, high, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, low, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, low, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, low, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, low, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, mid, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, mid, U-NII-7	S01_AC01	2025-04-09	Passed	Passed

47 CFR CHAPTER I FCC PART 15
Subpart E §15.407

FCC §15.31, IC RSS 248 Ch. 4.4

99 % Bandwidth

The measurement was performed according to ANSI C63.10,
 chapter 12.5.3 (6.9.3)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Subband				
WLAN ax 40 MHz, mid, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, high, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, high, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, high, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, low, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, low, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, low, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, low, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, mid, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, mid, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-04-09	Passed	Passed

47 CFR CHAPTER I FCC PART 15 Subpart FCC §15.31, §15.407 (a)(1) **E §15.407**

Maximum EIRP

The measurement was performed according to ANSI C63.10, chapter 12.4.3.2

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Subband				
WLAN ax 20 MHz, high, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, high, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, high, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, high, U-NII-8	S01_AC01	2025-01-29	Passed	Passed
WLAN ax 20 MHz, low, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, low, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, low, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, low, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, high, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, high, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, high, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, high, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, low, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, low, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, low, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, low, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, mid, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, mid, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, mid, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, high, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, high, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, high, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, low, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, low, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, low, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, low, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, mid, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, mid, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-01-27	Passed	Passed

47 CFR CHAPTER I FCC PART 15 Subpart E FCC §15.31, §15.407 (a) (8) **§15.407**

Peak Power Spectral Density

The measurement was performed according to ANSI C63.10, chapter 12.6 (SA-1)

Final Result

OP-Mode

Radio Technology, Operating Frequency, Subband

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Subband				
WLAN ax 20 MHz, high, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, high, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, high, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, high, U-NII-8	S01_AC01	2025-01-29	Passed	Passed
WLAN ax 20 MHz, low, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, low, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, low, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, low, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, high, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, high, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, high, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, high, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, low, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, low, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, low, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, low, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, mid, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, mid, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, mid, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, high, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, high, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, high, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, low, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, low, U-NII-6	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, low, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, low, U-NII-8	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, mid, U-NII-5	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, mid, U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-01-27	Passed	Passed

47 CFR CHAPTER I FCC PART 15 Subpart E FCC §15.31, §15.407 (a) (8) **§15.407**

Peak Power Spectral Density

The measurement was performed according to ANSI C63.10, chapter 12.6 (SA-1)

Final Result

OP-Mode

Radio Technology, Operating Frequency, Subband

Setup

Date

FCC

IC

OFDMA

WLAN ax 20 MHz RU 5, high, U-NII-1	S01_AC01	2025-08-15	Passed	Passed
WLAN ax 20 MHz RU 5, high, U-NII-2A	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, high, U-NII-2C	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, high, U-NII-3	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, high, U-NII-4	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 20 MHz RU 5, high, U-NII-5	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, high, U-NII-6	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, high, U-NII-7	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, high, U-NII-8	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 20 MHz RU 5, low, U-NII-1	S01_AC01	2025-08-15	Passed	Passed
WLAN ax 20 MHz RU 5, low, U-NII-2A	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, low, U-NII-2C	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, low, U-NII-3	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, low, U-NII-4	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 20 MHz RU 5, low, U-NII-5	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, low, U-NII-6	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, low, U-NII-7	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, low, U-NII-8	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, mid, U-NII-1	S01_AC01	2025-08-15	Passed	Passed
WLAN ax 20 MHz RU 5, mid, U-NII-2A	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, mid, U-NII-2C	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, mid, U-NII-3	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, mid, U-NII-5	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, mid, U-NII-6	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, mid, U-NII-7	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 20 MHz RU 5, mid, U-NII-8	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, high, U-NII-1	S01_AC01	2025-08-15	Passed	Passed
WLAN ax 40 MHz RU 6, high, U-NII-2A	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, high, U-NII-2C	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, high, U-NII-3	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, high, U-NII-5	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, high, U-NII-6	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, high, U-NII-7	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, high, U-NII-8	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, low, U-NII-1	S01_AC01	2025-08-15	Passed	Passed
WLAN ax 40 MHz RU 6, low, U-NII-2A	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, low, U-NII-2C	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, low, U-NII-3	S01_AC01	2025-09-03	Passed	Passed

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Peak Power Spectral Density

The measurement was performed according to ANSI C63.10, chapter 12.6 (SA-1)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Subband				
WLAN ax 40 MHz RU 6, low, U-NII-4	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 40 MHz RU 6, low, U-NII-5	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, low, U-NII-6	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, low, U-NII-7	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, low, U-NII-8	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, straddle, U-NII-2C + U-NII-3	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, straddle, U-NII-3 + U-NII-4	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 40 MHz RU 6, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 40 MHz RU 6, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, high, U-NII-2C	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, high, U-NII-5	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, high, U-NII-7	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, high, U-NII-8	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, low, U-NII-2C	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, low, U-NII-5	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, low, U-NII-6	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, low, U-NII-7	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, low, U-NII-8	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, mid, U-NII-1	S01_AC01	2025-08-15	Passed	Passed
WLAN ax 80 MHz RU 6, mid, U-NII-2A	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, mid, U-NII-3	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, mid, U-NII-5	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, mid, U-NII-7	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, straddle, U-NII-2C + U-NII-3	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, straddle, U-NII-3 + U-NII-4	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 80 MHz RU 6, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-09-03	Passed	Passed
WLAN ax 80 MHz RU 6, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-09-03	Passed	Passed

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Undesirable Emissions; General Field Strength Limits

The measurement was performed according to ANSI C63.10, chapter 6.4, 6.5, 6.6.5 (radiated); 12.7.5,12.7.6,12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Measurement range, Subband				
WLAN ax 20 MHz, high, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, high, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, high, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, high, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, high, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, high, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, high, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, high, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, high, 30MHz - 1GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 30MHz - 1GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 30MHz - 1GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 30MHz - 1GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 30MHz - 1GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 30MHz - 1GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 30MHz - 1GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed

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Undesirable Emissions; General Field Strength Limits

The measurement was performed according to ANSI C63.10, chapter 6.4, 6.5, 6.6.5 (radiated); 12.7.5,12.7.6,12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Measurement range, Subband				
WLAN ax 20 MHz, high, 30MHz - 1GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 9kHz - 30MHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 9kHz - 30MHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 9kHz - 30MHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 9kHz - 30MHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 9kHz - 30MHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 9kHz - 30MHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 9kHz - 30MHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, high, 9kHz - 30MHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, low, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, low, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, low, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, low, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, low, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed

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Undesirable Emissions; General Field Strength Limits

The measurement was performed according to ANSI C63.10, chapter 6.4, 6.5, 6.6.5 (radiated); 12.7.5,12.7.6,12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Measurement range, Subband				
WLAN ax 20 MHz, low, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, low, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, low, 30MHz - 1GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 30MHz - 1GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 30MHz - 1GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 30MHz - 1GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 30MHz - 1GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 30MHz - 1GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 30MHz - 1GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 30MHz - 1GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 9kHz - 30MHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 9kHz - 30MHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 9kHz - 30MHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 9kHz - 30MHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 9kHz - 30MHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 9kHz - 30MHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 9kHz - 30MHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, low, 9kHz - 30MHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed

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Undesirable Emissions; General Field Strength Limits

The measurement was performed according to ANSI C63.10, chapter 6.4, 6.5, 6.6.5 (radiated); 12.7.5,12.7.6,12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Measurement range, Subband				
WLAN ax 20 MHz, mid, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, mid, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, mid, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, mid, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, mid, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, mid, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, mid, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, mid, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 20 MHz, mid, 30MHz - 1GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 30MHz - 1GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 30MHz - 1GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 30MHz - 1GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 30MHz - 1GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 30MHz - 1GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 30MHz - 1GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 30MHz - 1GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 9kHz - 30MHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 9kHz - 30MHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 9kHz - 30MHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 9kHz - 30MHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed

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Undesirable Emissions; General Field Strength Limits

The measurement was performed according to ANSI C63.10, chapter 6.4, 6.5, 6.6.5 (radiated); 12.7.5,12.7.6,12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Measurement range, Subband				
WLAN ax 20 MHz, mid, 9kHz - 30MHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 9kHz - 30MHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 9kHz - 30MHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 20 MHz, mid, 9kHz - 30MHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, high, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, high, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, high, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, high, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, high, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, high, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, high, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, high, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, high, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, high, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, high, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, high, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, high, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, high, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, high, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, high, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, low, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, low, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, low, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed

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Undesirable Emissions; General Field Strength Limits

The measurement was performed according to ANSI C63.10, chapter 6.4, 6.5, 6.6.5 (radiated); 12.7.5,12.7.6,12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Measurement range, Subband				
WLAN ax 40 MHz, low, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, low, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, low, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, low, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, low, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, low, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, low, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, low, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, low, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, low, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, low, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, low, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, low, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, mid, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, mid, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, mid, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, mid, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, mid, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, mid, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, mid, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, mid, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, mid, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, mid, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed

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Undesirable Emissions; General Field Strength Limits

The measurement was performed according to ANSI C63.10, chapter 6.4, 6.5, 6.6.5 (radiated); 12.7.5,12.7.6,12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Measurement range, Subband				
WLAN ax 40 MHz, mid, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, mid, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, straddle, 1GHz - 26GHz, U-NII-6 + U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, straddle, 1GHz - 26GHz, U-NII-6 + U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 40 MHz, straddle, 26GHz - 40GHz, U-NII-6 + U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 40 MHz, straddle, 26GHz - 40GHz, U-NII-6 + U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, high, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, high, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Radiated Path A, Harmonics tested only	S02_AH02	2025-06-16	Passed	Passed
WLAN ax 80 MHz, high, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, high, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, high, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Radiated Path A, Harmonics tested only	S02_AH02	2025-06-16	Passed	Passed
WLAN ax 80 MHz, high, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, high, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, high, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Radiated Path A	S02_AH02	2025-06-17	Passed	Passed
WLAN ax 80 MHz, high, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, high, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, high, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, high, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, high, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, high, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, high, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Radiated Path A	S02_AH02	2025-06-11	Passed	Passed

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Undesirable Emissions; General Field Strength Limits

The measurement was performed according to ANSI C63.10, chapter 6.4, 6.5, 6.6.5 (radiated); 12.7.5,12.7.6,12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Measurement range, Subband				
WLAN ax 80 MHz, high, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, high, 30MHz - 1GHz, U-NII-8 Remark: Measurement Method Radiated Path A	S02_AH02	2025-07-22	Passed	Passed
WLAN ax 80 MHz, high, 9kHz - 30MHz, U-NII-8 Remark: Measurement Method Radiated Path A	S02_AH02	2025-07-11	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Radiated Path A	S02_AH02	2025-06-06	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Radiated Path A, harmonics tested only	S02_AH02	2025-06-16	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Radiated Path A, harmonics tested only	S02_AH02	2025-06-16	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Radiated Path A, harmonics tested only	S02_AH02	2025-06-17	Passed	Passed
WLAN ax 80 MHz, low, 1GHz - 26GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, low, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, low, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, low, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, low, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Radiated Path A	S02_AH02	2025-06-11	Passed	Passed
WLAN ax 80 MHz, low, 26GHz - 40GHz, U-NII-6 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, low, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, low, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed

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Undesirable Emissions; General Field Strength Limits

The measurement was performed according to ANSI C63.10, chapter 6.4, 6.5, 6.6.5 (radiated); 12.7.5,12.7.6,12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Measurement range, Subband				
WLAN ax 80 MHz, low, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, low, 26GHz - 40GHz, U-NII-8 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, low, 30MHz - 1GHz, U-NII-6 Remark: Measurement Method Radiated Path A	S02_AH02	2025-07-21	Passed	Passed
WLAN ax 80 MHz, mid, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, mid, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Radiated Path A	S02_AH02	2025-06-16	Passed	Passed
WLAN ax 80 MHz, mid, 1GHz - 26GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, mid, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, mid, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Radiated Path A, harmonics tested only	S02_AH02	2025-06-16	Passed	Passed
WLAN ax 80 MHz, mid, 1GHz - 26GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, mid, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, mid, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Radiated Path A	S02_AH02	2025-06-11	Passed	Passed
WLAN ax 80 MHz, mid, 26GHz - 40GHz, U-NII-5 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, mid, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, mid, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Radiated Path A	S02_AH02	2025-06-11	Passed	Passed
WLAN ax 80 MHz, mid, 26GHz - 40GHz, U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, mid, 30MHz - 1GHz, U-NII-5 Remark: Measurement Method Radiated Path A	S02_AH02	2025-07-21	Passed	Passed
WLAN ax 80 MHz, mid, 30MHz - 1GHz, U-NII-7 Remark: Measurement Method Radiated Path A	S02_AH02	2025-07-21	Passed	Passed
WLAN ax 80 MHz, mid, 9kHz - 30MHz, U-NII-5 Remark: Measurement Method Radiated Path A	S02_AH02	2025-07-11	Passed	Passed
WLAN ax 80 MHz, straddle, 1GHz - 26GHz, U-NII-6 + U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-28	Passed	Passed
WLAN ax 80 MHz, straddle, 1GHz - 26GHz, U-NII-6 + U-NII-7 Remark: Measurement Method Radiated Path A, harmonics tested only	S02_AH02	2025-06-16	Passed	Passed
WLAN ax 80 MHz, straddle, 1GHz - 26GHz, U-NII-6 + U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-28	Passed	Passed

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Undesirable Emissions; General Field Strength Limits

The measurement was performed according to ANSI C63.10, chapter 6.4, 6.5, 6.6.5 (radiated); 12.7.5, 12.7.6, 12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Measurement range, Subband				
WLAN ax 80 MHz, straddle, 26GHz - 40GHz, U-NII-6 + U-NII-7 Remark: Measurement Method Conducted Path A	S01_AC01	2025-07-25	Passed	Passed
WLAN ax 80 MHz, straddle, 26GHz - 40GHz, U-NII-6 + U-NII-7 Remark: Measurement Method Conducted Path B	S01_AC01	2025-07-25	Passed	Passed

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Band Edge

The measurement was performed according to ANSI C63.10, chapter 6.6.5 (radiated); 12.7.6, 12.7.7.2 (conducted)

Final Result

OP-Mode	Setup	Date	FCC	IC
Radio Technology, Operating Frequency, Subband				
WLAN ax 20 MHz, high, U-NII-8 Remark: Measured Conducted on Path A	S01_AC01	2025-01-29	Passed	Passed
WLAN ax 20 MHz, high, U-NII-8 Remark: Measured Conducted on Path B	S01_AC01	2025-01-29	Passed	Passed
WLAN ax 20 MHz, low, U-NII-5 Remark: Measured Conducted on Path A	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 20 MHz, low, U-NII-5 Remark: Measured Conducted on Path B	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, high, U-NII-8 Remark: Measured Conducted on Path A	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, high, U-NII-8 Remark: Measured Conducted on Path B	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, low, U-NII-5 Remark: Measured Conducted on Path A	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 40 MHz, low, U-NII-5 Remark: Measured Conducted on Path B	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, high, U-NII-8 Remark: Measured Conducted on Path A	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, high, U-NII-8 Remark: Measured Conducted on Path A	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, low, U-NII-5 Remark: Measured Conducted on Path A	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, low, U-NII-5 Remark: Measured Conducted on Path A	S01_AC01	2025-01-27	Passed	Passed

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Band Edge

The measurement was performed according to ANSI C63.10, chapter 6.6.5 (radiated); 12.7.6, 12.7.7.2 (conducted)

Final Result

OP-Mode

Radio Technology, Operating Frequency, Subband

Setup

Date

FCC

IC

OFDMA

WLAN ax 20 MHz, high, U-NII-8 Remark: Measured Conducted on Path A /B	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 20 MHz, low, U-NII-5 Remark: Measured Conducted on Path A /B	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 40 MHz, high, U-NII-8 Remark: Measured Conducted on Path A /B	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 40 MHz, low, U-NII-5 Remark: Measured Conducted on Path A /B	S01_AC01	2025-01-27	Passed	Passed
WLAN ax 80 MHz, high, U-NII-8 Remark: Measured Conducted on Path A /B	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 80 MHz, low, U-NII-5 Remark: Measured Conducted on Path A /B	S01_AC01	2025-09-04	Passed	Passed

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FCC §15.31, §15.407 (b) (7)

In-Band Emissions

The measurement was performed according to KDB 987594

Final Result

OP-Mode

Radio Technology, Operating Frequency, Subband

Setup

Date

FCC

IC

WLAN ax 20 MHz, high, U-NII-5	S01_AC01	2025-04-08	Passed	Passed
WLAN ax 20 MHz, high, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, high, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, high, U-NII-8	S01_AC01	2025-09-04	Passed	Passed
WLAN ax 20 MHz, low, U-NII-5	S01_AC01	2025-04-08	Passed	Passed
WLAN ax 20 MHz, low, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, low, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, low, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 20 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, high, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, high, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, high, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, high, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, low, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, low, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, low, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, low, U-NII-8	S01_AC01	2025-04-09	Passed	Passed

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Subpart E §15.407

FCC §15.31, §15.407 (b) (7)

In-Band Emissions

The measurement was performed according to KDB 987594

OP-Mode	Setup	Date	Final Result	
Radio Technology, Operating Frequency, Subband			FCC	IC
WLAN ax 40 MHz, mid, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, mid, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, mid, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 40 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, high, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, high, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, high, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, low, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, low, U-NII-6	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, low, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, low, U-NII-8	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, mid, U-NII-5	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, mid, U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-04-09	Passed	Passed
WLAN ax 80 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-04-09	Passed	Passed

47 CFR CHAPTER I FCC PART 15
Subpart E §15.407

FCC §15.31, §15.407 (d) (6)

Contention-Based Protocol

The measurement was performed according to KDB 987594

OP-Mode	Setup	Date	Final Result	
Radio Technology, Operating Frequency, Subband			FCC	IC
WLAN ax 20 MHz, mid, U-NII-5	S01_AC01	2025-04-11	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-6	S01_AC01	2025-04-11	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-7	S01_AC01	2025-04-11	Passed	Passed
WLAN ax 20 MHz, mid, U-NII-8	S01_AC01	2025-04-11	Passed	Passed
WLAN ax 80 MHz, mid, U-NII-5	S01_AC01	2025-04-11	Passed	Passed
WLAN ax 80 MHz, mid, U-NII-7	S01_AC01	2025-04-11	Passed	Passed
WLAN ax 80 MHz, straddle, U-NII-6 + U-NII-7	S01_AC01	2025-04-11	Passed	Passed
WLAN ax 80 MHz, straddle, U-NII-7 + U-NII-8	S01_AC01	2025-04-11	Passed	Passed

N/A: Not applicable

N/P: Not performed

2 REVISION HISTORY / SIGNATURES

Report version control			
Version	Release date	Change Description	Version validity
initial	2025-11-13	--	invalid
rev01	2025-12-16	- Revised FCC / ISED chapter references / limit descriptions to cover U-NII bands 5 to 8 only. - Changed result in measurement summary for test cases 26 dB BW, 99 % BW, In-Band Emissions and Contention-Based Protocol from Performed to Passed. - Added limit and margin to 26 dB and 99 % BW tables. - Corrected SW Version. - Reworked Contention Based Protocol table to reflect pre-approval guidance requirements, replaced plots for plots of state "On", "Minimal", "Off".	valid

COMMENT: -



(responsible for accreditation scope)
Dipl.-Ing. Marco Kullik



(responsible for testing and report)
Dipl.-Ing. Daniel Gall



7 layers GmbH, Borsigstr. 11
40880 Ratingen, Germany
Phone +49 (0)2102 749 0

3 ADMINISTRATIVE DATA

3.1 TESTING LABORATORY

Company Name: 7layers GmbH
Address: Borsigstr. 11
40880 Ratingen
Germany

The test facility is accredited by the following accreditation organisation:

Laboratory accreditation no: DAkkS D-PL-12140-01-00
FCC Designation Number: DE0015
FCC Test Firm Registration: 929146
ISED CAB Identifier DE0007; ISED#: 3699A

Responsible for accreditation scope: Dipl.-Ing. Marco Kullik
Report Template Version: 2025-02-28

3.2 PROJECT DATA

Responsible for testing and report: Dipl.-Ing. Daniel Gall
Employees who performed the tests: documented internally at 7Layers
Date of Report: 2025-12-16
Testing Period: 2025-01-27 to 2025-09-04

3.3 APPLICANT DATA

Company Name: u-blox AG
Address: Zürcherstrasse 68
8800 Thalwil
Switzerland
Contact Person: Filip Kruzela

3.4 MANUFACTURER DATA

Company Name: See Applicant

Address:

Contact Person:

4 TEST OBJECT DATA

4.1 GENERAL EUT DESCRIPTION

Kind of Device product description	WLAN and Bluetooth Module
Product name	JODY-W6
Type	JODY-W683-21A
Declared EUT data by the supplier	
Voltage Type	DC
Voltage Level	1.8 / 3.3 V
Tested Modulation Type	OFDM
Specific product description	The EUT is a Bluetooth and WLAN module. Supported technologies relevant for this report are WLAN a, n, ac, ax 20 / 40 / 80 MHz bandwidth. For ax mode OFDMA MU is supported. Supported Class for 6 GHz band is Indoor Client (6XD)
Ports of the device	Enclosure Data DC Antenna The EUT is a module with solder pads for surface mounting, so no cables were connected to the EUT itself.
Antenna	External antenna / 5.3 dBi gain in 5 GHz band and 5.8 dBi gain in 6 GHz band (Radiated measurements were performed with 50 Ohm termination) The EUT has three antenna ports. One is for Bluetooth and two are for WLAN. For WLAN 5 and 6 GHz there are two cores supporting 20, 40 and 80 MHz BW. Both belong to MAC one. MIMO is not supported. The first core (referred to in the report as Path A), is routed to the upper port in the following picture, while the second one (Path B) is routed to the middle antenna port. 
Tested Datarates	WLAN a: 6 Mbps, n: MCS3, ac: MCS 3, ax: MSC 10
Special software used for testing	Labtool V2.0.0.26.3 on computer board provided by applicant.

Used output power setting in test software	6 GHz												
	Mode 1 Ch.	1	5-89	93	97	101-109	113	117	121-177	181	185	189	193-229
	Ax20 SISO	2	2	2	2	2	2	2	2	2	2	2	2
	Ax40 SISO	5	5	5	5	5	5	5	5	5	5	5	5
	Ax80 SISO	8	8	8	8	8	8	8	8	8	8	8	8
OFDMA: WLAN ax U-NII band 5 – 8: -6, except ch. 233 in 20 MHz BW: -18													

4.2 EUT MAIN COMPONENTS

Sample Name	Sample Code	Description
EUT 21A AA01	DE1015194aa01	
Sample Parameter	Value	
Serial No.	Hb8b8f44f95d1c40410	
HW Version	PCB: 03, BOM: 05	
SW Version	18.99.2.p145.298	
Comment		

Sample Name	Sample Code	Description
EUT 21A AC01	DE1015194ac01	
Sample Parameter	Value	
Serial No.	HB8B8F44F95D1E00410	
HW Version	PCB: 03, BOM: 05	
SW Version	18.99.2.p145.298	
Comment		

Sample Name	Sample Code	Description
EUT 21A AG01	DE1015194ag01	
Sample Parameter	Value	
Serial No.	HB9B8F44FB8E3E40410	
HW Version	PCB: 03, BOM: 05	
SW Version	18.99.2.p145.298	
Comment		

Sample Name	Sample Code	Description
EUT 21A AH02	DE1015194ah02	
Sample Parameter	Value	
Serial No.	DB880A1973011100501	
HW Version	PCB: 03, BOM: 05	
SW Version	18.99.2.p145.298	
Comment		

NOTE: The short description is used to simplify the identification of the EUT in this test report.

4.3 ANCILLARY EQUIPMENT

For the purposes of this test report, ancillary equipment is defined as equipment which is used in conjunction with the EUT to provide operational and control features to the EUT. It is necessary to configure the system in a typical fashion, as a customer would normally use it. But nevertheless Ancillary Equipment can influence the test results.

-	-	-
---	---	---

4.4 AUXILIARY EQUIPMENT

For the purposes of this test report, auxiliary equipment is defined as equipment which is used temporarily to enable operational and control features especially used for the tests of the EUT which is not used during normal operation or equipment that is used during the tests in combination with the EUT but is not subject of this test report. It is necessary to configure the system in a typical fashion, as a customer would normally use it. But nevertheless Auxiliary Equipment can influence the test results.

Device	Details (Manufacturer, Type Model, HW, SW, S/N)	Description
AC/DC supply	Agilent, E3631A, -, -, MY40018563	Laboratory Power Supply 120 V 60 Hz
Carrier Board	UBLOX, JODY-Carrier Board, Rev. E, -, -	Board providing ports
M2-card adapter	UBLOX, JODY Carrier Board M.2 Adapter, REV. B, -, -	M2-card adapter
Okdo ROCK #5	Okdo ROCK, ROCK 5 Model B 8GB Single Board Computer, -, -, #5	Computer for controlling device

4.5 EUT SETUPS

This chapter describes the combination of EUTs and equipment used for testing. The rationale for selecting the EUTs, ancillary and auxiliary equipment and interconnecting cables, is to test a representative configuration meeting the requirements of the referenced standards.

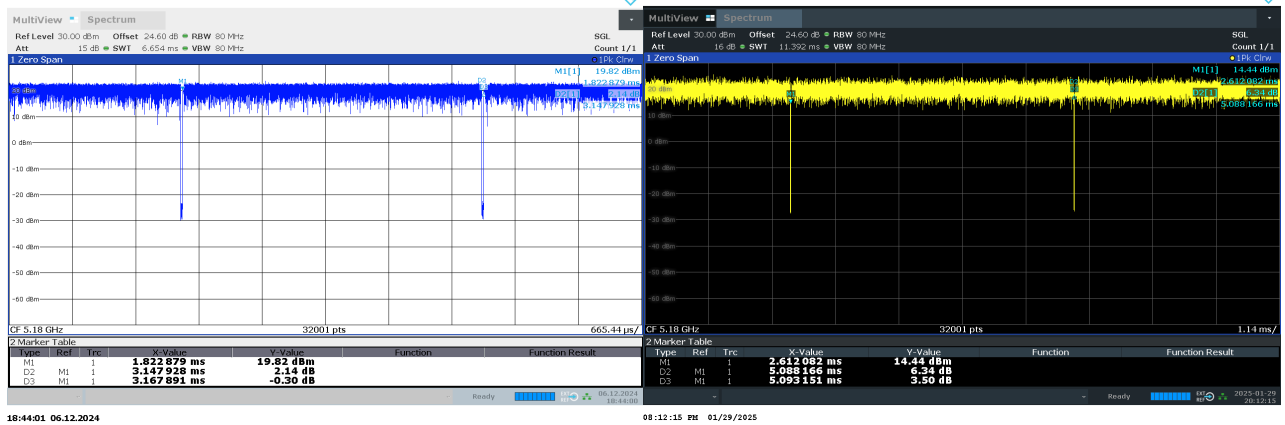
Setup	Combination of EUTs	Description and Rationale
S04_AG01	EUT 21A AG01, Carrier Board, M2-card adapter, AC/DC supply,	AC conducted setup
S01_AA01	EUT 21A AA01, Okdo ROCK #5, Carrier Board, M2-card adapter,	Conducted Setup
S02_AH02	EUT 21A AH02, Carrier Board, M2-card adapter,	Radiated Setup
S01_AC01	EUT 21A AC01, Okdo ROCK #5, Carrier Board, M2-card adapter,	Conducted Setup

4.6 OPERATING MODES / TEST CHANNELS

This chapter describes the operating modes of the EUTs used for testing.

U-NII-Subband 5 5925 - 6425 MHz				U-NII 5 / 6	U-NII-Subband 6 6425 - 6525 MHz			U-NII 6 / 7	U-NII-Subband 7 6525 - 6875 MHz			U-NII 7 / 8	U-NII-Subband 8 6875 - 7125 MHz		
20 MHz BW															
low	mid	high	straddle	low	mid	high	straddle	low	mid	high	straddle	low	mid	high	
1	45	93	-	97	105	113	-	117	149	181	185	189	209	233	
5955	6175	6415	-	6435	6475	6515	-	6535	6695	6855	6875	6895	6995	7115	
40 MHz BW															
low	mid	high	straddle	low	mid	high	straddle	low	mid	high	straddle	low	mid	high	
3	43	91	-	99	-	107	115	123	155	179	187	195	211	227	
5965	6165	6405	-	6445	-	6485	6525	6565	6725	6845	6885	6925	7005	7085	
80 MHz BW															
low	mid	high	straddle	low	mid	high	straddle	low	mid	high	straddle	low	mid	high	
7	39	87	-	103	-	-	119	135	151	167	183	199	-	215	
5985	6145	6385	-	6465	-	-	6545	6625	6705	6785	6865	6945	-	7025	

Duty Cycle



WLAN a

WLAN n 20 MHz



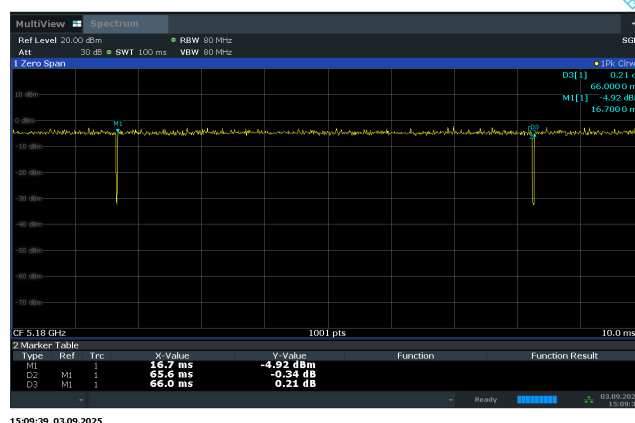
WLAN n 40 MHz

WLAN ac 20 MHz



WLAN ac 40 MHz

WLAN ac 80 MHz



Resulting Duty Cycle					
Mode	WLAN a	WLAN n20	WLAN n40	WLAN ac20	WLAN ac40
Duty Cycle [%]	99.4	99.8	99.8	99.5	99.5
Corr. [dB]	0.1	0.0	0.0	0.0	0.0
Mode	WLAN ac80	WLAN ax20	WLAN ax40	WLAN ax80	-
Duty Cycle [%]	99.5	99.6	99.2	99.4	-
Corr. [dB]	0.0	0.0	0.1	0.1	-

Duty Cycle test was not repeated for 6 GHz bands since change in channel does not influence the duty cycle.

Worst case data rate:

Checked test cases: Power, Power Density, Band Edge at 5180 MHz:

Mode	Power	PD	BE PK	BE AV
ax 20 MHz MCS 0	15.04	3.53	-39.2	-50.4
ax 20 MHz MCS 1	15.03	3.46	-38.7	-50.5
ax 20 MHz MCS 2	15.45	3.59	-38.8	-50.6
ax 20 MHz MCS 3	15.49	4.02	-35.7	-49.6
ax 20 MHz MCS 4	15.51	3.95	-34.9	-49.6
ax 20 MHz MCS 5	15.50	4.00	-34.1	-49.5
ax 20 MHz MCS 6	15.48	3.93	-28.6	-49.7
ax 20 MHz MCS 7	15.50	3.96	-33.2	-49.7
ax 20 MHz MCS 8	15.53	3.99	-35.5	-49.6
ax 20 MHz MCS 9	15.51	3.98	-34.9	-49.6
ax 20 MHz MCS 10	15.58	3.99	-29.5	-49.6
ax 20 MHz MCS 11	15.57	3.99	-30.1	-49.6

Reason for chosen modes:

For WLAN a the 6 Mbps were chosen since they are worst case for BE and PD.

WLAN n MCS 3 has highest BE peak and less than 0.1 to highest BE AV as well as Power.

WLAN ac MCS 3 has highest BE PK/AV is less than 0.1 from highest Power and only 0.13 from highest PD.

WLAN ax 10 MCS 10 has highest power, less than 0.1 from highest Power Density an BE AV is also within 0.1 of highest mode.

Since the mode is the same for 5 and 6 GHz, worst case check was not repeated for 6 GHz bands.

4.7 PRODUCT LABELLING

4.7.1 FCC ID LABEL

Please refer to the documentation of the applicant.

4.7.2 LOCATION OF THE LABEL ON THE EUT

Please refer to the documentation of the applicant.

5 TEST RESULTS

5.1 AC CONDUCTED EMISSIONS

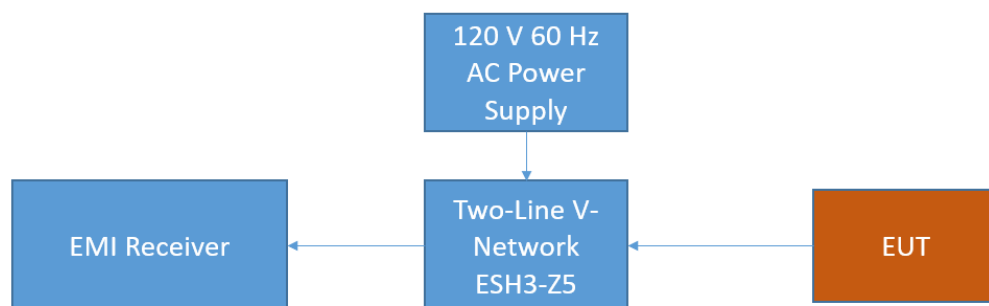
Standard **FCC Part 15 Subpart E**

The test was performed according to:

ANSI C63.10, chapter 6.2

5.1.1 TEST DESCRIPTION

The test set-up was made in accordance to the general provisions of ANSI C 63.10. The Equipment Under Test (EUT) was setup in a shielded room to perform the conducted emissions measurements in a typical installation configuration. The EUT was powered from 50 μ H || 50 Ohm Line Impedance Stabilization Network (LISN). The LISN's unused connections were terminated with 50 Ohm loads.



FCC Conducted Emissions on AC

The measurement procedure consists of two steps. It is implemented into the EMI test software EMC-32 from R&S.

Step 1: Preliminary scan

Intention of this step is, to determine the conducted EMI-profile of the EUT.

EMI receiver settings:

- Detector: Peak – Maxhold & Average
- Frequency range: 150 kHz – 30 MHz
- Frequency steps: 2.5 kHz
- IF-Bandwidth: 9 kHz
- Measuring time / Frequency step: 100 ms (FFT-based)
- Measurement on phase + neutral lines of the power cords

On basis of this preliminary scan the highest amplitudes and the corresponding frequencies relative to the limit are identified. Emissions above the limit and emissions which are in the 10 dB range below the limit are considered.

Step 2: Final measurement

Intention of this step is, to determine the highest emissions with the settings defined in the test specification for the frequencies identified in step 1.

EMI receiver settings:

- Detector: Quasi-Peak & (CISPR) Average
- IF Bandwidth: 9 kHz
- Measuring time: 1 s / frequency

At each frequency determined in step 1, four measurements are performed in the following combinations:

- 1) Neutral lead - reference ground (PE grounded)
- 2) Phase lead - reference ground (PE grounded)
- 3) Neutral lead - reference ground (PE floating)
- 4) Phase lead - reference ground (PE floating)

The highest value is reported.

5.1.2 TEST REQUIREMENTS / LIMITS

FCC Part 15, Subpart C, §15.207

Frequency (MHz)	QP Limits (dB μ V)	AV Limits (dB μ V)
0.15 – 0.5	66 - 56	56 - 46
0.5 – 5	56	46
5 – 30	60	50

5.1.3 TEST PROTOCOL

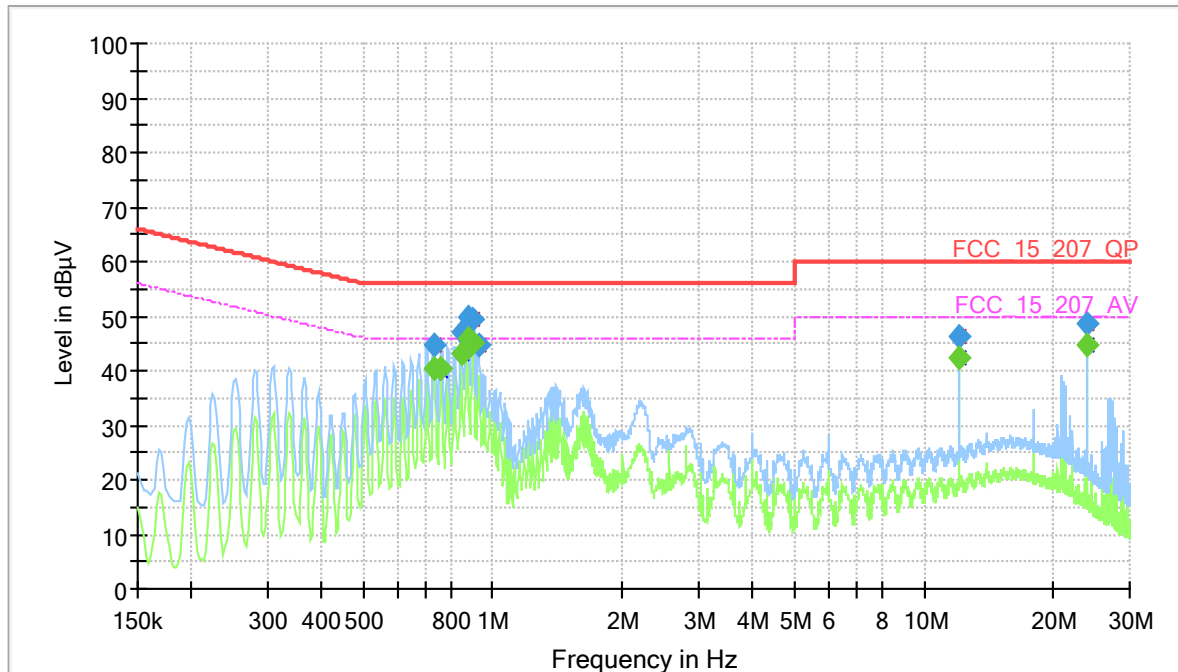
Temperature: 26 °C
 Air Pressure: 1008 hPa
 Humidity: 43 %

Mode	Power line	PE	Frequency [MHz]	Measured value QP [dBμV]	Measured value AV [dBμV]	Limit [dBμV]	Margin [dB]
WLAN ax 6995 MHz	N	FLO	0.73	---	40.5	46.0	5.5
	N	FLO	0.73	44.7	---	56.0	11.3
	N	FLO	0.76	---	40.3	46.0	5.8
	N	FLO	0.84	---	43.0	46.0	3.1
	N	FLO	0.84	47.0	---	56.0	9.0
	N	FLO	0.87	---	45.8	46.0	0.2
	L1	FLO	0.87	49.8	---	56.0	6.2
	N	FLO	0.90	49.2	---	56.0	6.8
	N	FLO	0.90	---	45.0	46.0	1.0
	N	FLO	0.93	44.6	---	56.0	11.4
	N	GND	12.01	---	42.5	50.0	7.5
	N	GND	12.01	46.3	---	60.0	13.8
	N	FLO	24.01	48.8	---	60.0	11.2
	N	FLO	24.01	---	44.6	50.0	5.4

Remark: Please see next sub-clause for the measurement plot.

5.1.4 MEASUREMENT PLOTS

Operating mode = WLAN ax 6995 MHz
(S04_AG01)



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.730500	---	40.53	46.00	5.47	1000.0	9.000	N	FLO	10.1
0.730500	44.70	---	56.00	11.30	1000.0	9.000	N	FLO	10.1
0.759750	---	40.25	46.00	5.75	1000.0	9.000	N	FLO	10.1
0.843000	---	42.95	46.00	3.05	1000.0	9.000	N	FLO	10.1
0.843000	46.97	---	56.00	9.03	1000.0	9.000	N	FLO	10.1
0.872250	---	45.80	46.00	0.20	1000.0	9.000	N	FLO	10.1
0.872250	49.78	---	56.00	6.22	1000.0	9.000	L1	FLO	10.1
0.899250	49.23	---	56.00	6.77	1000.0	9.000	N	FLO	10.1
0.899250	---	44.97	46.00	1.03	1000.0	9.000	N	FLO	10.1
0.926250	44.62	---	56.00	11.38	1000.0	9.000	N	FLO	10.1
12.005250	---	42.46	50.00	7.54	1000.0	9.000	N	GND	10.7
12.005250	46.25	---	60.00	13.75	1000.0	9.000	N	GND	10.7
24.009000	48.82	---	60.00	11.18	1000.0	9.000	N	FLO	11.2
24.009000	---	44.62	50.00	5.38	1000.0	9.000	N	FLO	11.2

5.1.5 TEST EQUIPMENT USED

- Conducted Emissions FCC

5.2 26 DB BANDWIDTH

Standard **FCC Part 15 Subpart E**

The test was performed according to:

ANSI C63.10, chapter 12.5.2

5.2.1 TEST DESCRIPTION

The Equipment Under Test (EUT) was set up to perform the occupied bandwidth measurements.

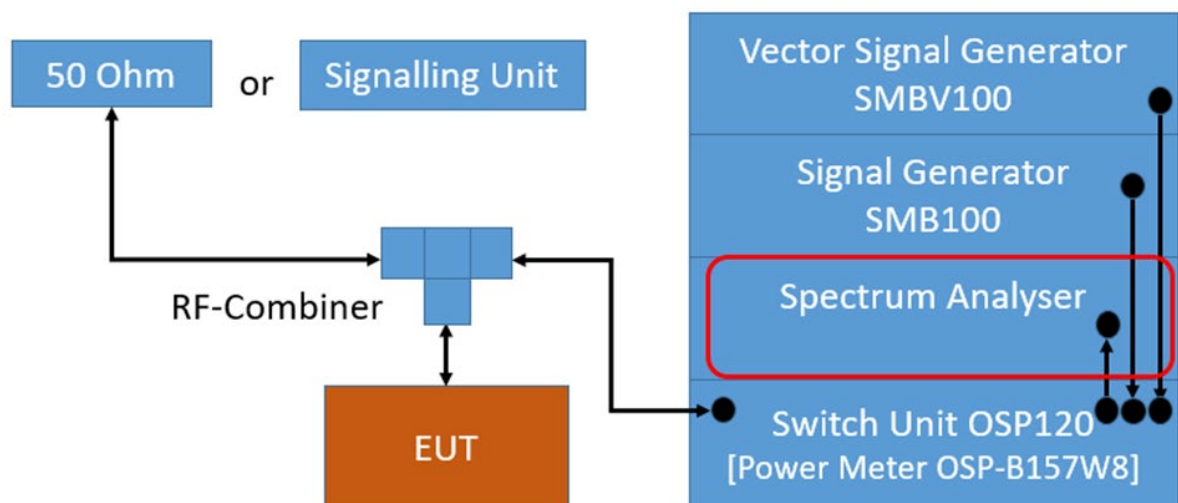
The reference level is the level of the highest amplitude signal observed from the transmitter at either the fundamental frequency or first-order modulation products in all typical modes of operation, including the unmodulated carrier, even if atypical.

The results recorded were measured with the modulation which produce the worst-case (widest) emission bandwidth.

The EUT was connected to the test system as described in the block diagram below. The complete attenuation of the measurement path is known and considered.

Analyzer settings:

- Resolution Bandwidth (RBW): 1% to 5% of the emission bandwidth
- Video Bandwidth (VBW): > RBW
- Span: see example plots
- Trace: Maxhold
- Sweeps: see plots
- Sweep time: Auto
- Detector: Peak



TS8997; Occupied Channel Bandwidth 6 dB / 26 dB / 99 %

5.2.2 TEST REQUIREMENTS / LIMITS

FCC Part 15, Subpart E, §15.407 (a), (11)

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

5.2.3 TEST PROTOCOL

Ambient temperature: 20 - 24 °C
 Air Pressure: 985 - 1035 hPa
 Humidity: 31 - 54 %

Radio Technology	Band	Operating Frequency	26 dB Bandwidth Path A [MHz]	26 dB Bandwidth Path B [MHz]	Limit [MHz]	Margin to Limit [MHz]
WLAN ax 20 MHz	U-NII-5	low	20.5	20.6	320	299.4
WLAN ax 20 MHz	U-NII-5	mid	20.5	20.8	320	299.2
WLAN ax 20 MHz	U-NII-5	high	20.7	20.7	320	299.3
WLAN ax 20 MHz	U-NII-6	low	20.6	20.6	320	299.4
WLAN ax 20 MHz	U-NII-6	mid	20.6	20.7	320	299.3
WLAN ax 20 MHz	U-NII-6	high	20.6	20.5	320	299.4
WLAN ax 20 MHz	U-NII-7	low	20.7	20.6	320	299.3
WLAN ax 20 MHz	U-NII-7	mid	20.6	20.6	320	299.4
WLAN ax 20 MHz	U-NII-7	high	20.5	20.7	320	299.3
WLAN ax 20 MHz	U-NII-7/8	straddle	20.9	20.7	320	299.1
WLAN ax 20 MHz	U-NII-8	low	20.6	20.5	320	299.4
WLAN ax 20 MHz	U-NII-8	mid	20.6	20.6	320	299.4
WLAN ax 20 MHz	U-NII-8	high	20.7	20.6	320	299.3
WLAN ax 40 MHz	U-NII-5	low	41.1	41.0	320	278.9
WLAN ax 40 MHz	U-NII-5	mid	40.6	40.6	320	279.4
WLAN ax 40 MHz	U-NII-5	high	40.6	40.8	320	279.2
WLAN ax 40 MHz	U-NII-6	low	41.0	40.7	320	279.0
WLAN ax 40 MHz	U-NII-6	high	40.9	41.0	320	279.0
WLAN ax 40 MHz	U-NII-6/7	straddle	40.8	40.8	320	279.2
WLAN ax 40 MHz	U-NII-7	low	40.7	40.7	320	279.3
WLAN ax 40 MHz	U-NII-7	mid	40.8	40.7	320	279.2
WLAN ax 40 MHz	U-NII-7	high	40.9	40.7	320	279.1
WLAN ax 40 MHz	U-NII-7/8	straddle	40.7	41.0	320	279.0
WLAN ax 40 MHz	U-NII-8	low	41.0	40.8	320	279.0
WLAN ax 40 MHz	U-NII-8	mid	40.7	40.7	320	279.3
WLAN ax 40 MHz	U-NII-8	high	40.7	40.8	320	279.2
WLAN ax 80 MHz	U-NII-5	low	81.1	81.3	320	238.7
WLAN ax 80 MHz	U-NII-5	mid	81.1	81.4	320	238.6
WLAN ax 80 MHz	U-NII-5	high	81.3	81.1	320	238.7
WLAN ax 80 MHz	U-NII-6	low	81.3	81.1	320	238.7
WLAN ax 80 MHz	U-NII-6/7	straddle	81.3	81.3	320	238.7
WLAN ax 80 MHz	U-NII-7	low	81.1	81.3	320	238.7
WLAN ax 80 MHz	U-NII-7	mid	81.1	81.3	320	238.7
WLAN ax 80 MHz	U-NII-7	high	81.4	81.3	320	238.6
WLAN ax 80 MHz	U-NII-7/8	straddle	81.3	81.3	320	238.7
WLAN ax 80 MHz	U-NII-8	low	81.3	81.4	320	238.6
WLAN ax 80 MHz	U-NII-8	high	81.1	81.3	320	238.7

Remark: For the 6 GHz straddle channels the full 26 dB BW is given since it is relevant for the In-Band emissions.
 Please see next sub-clause for the measurement plot.

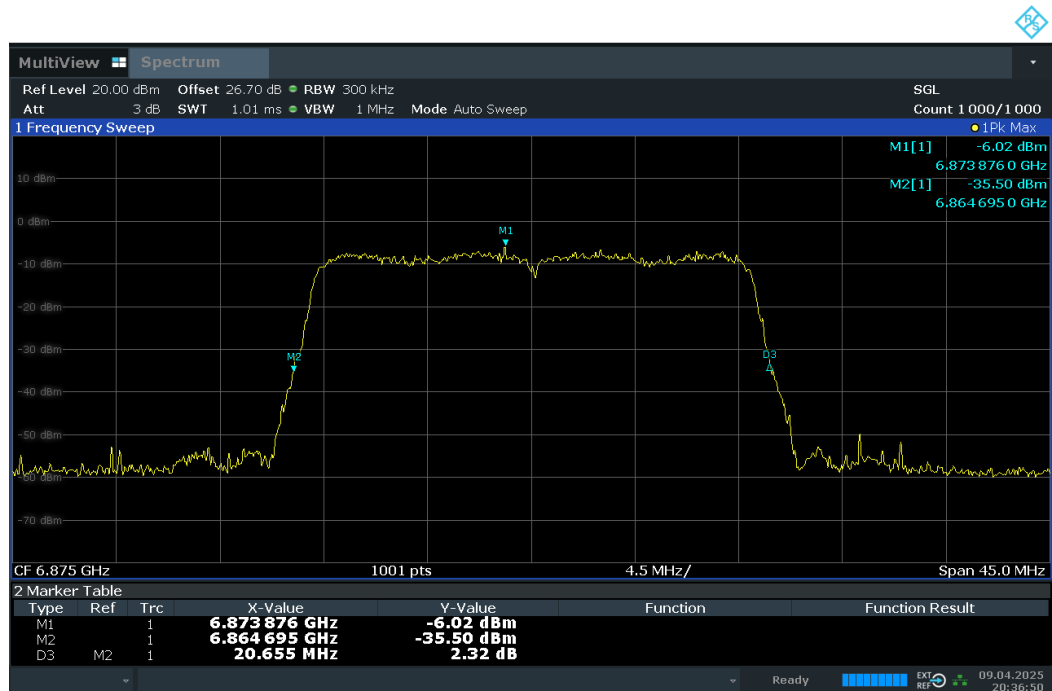
5.2.4 MEASUREMENT PLOT (EXAMPLE PLOT, SHOWING WORST CASE, IF APPLICABLE)

Radio Technology = WLAN ax 20 MHz, Operating Frequency = straddle, Subband = U-NII-7/8 (S01_AA01)



19:07:49 09.04.2025

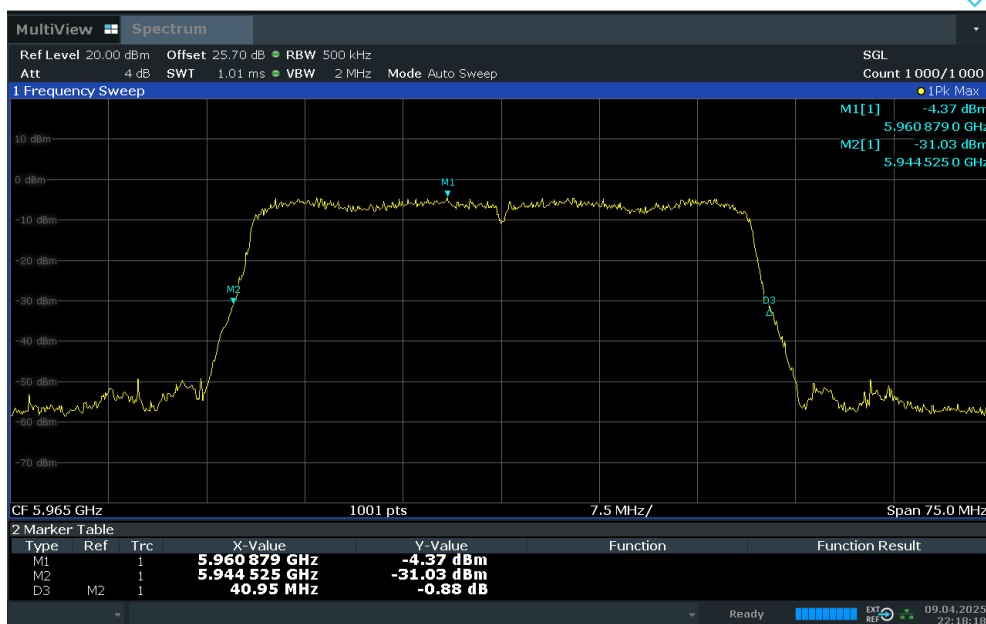
Path A



20:36:50 09.04.2025

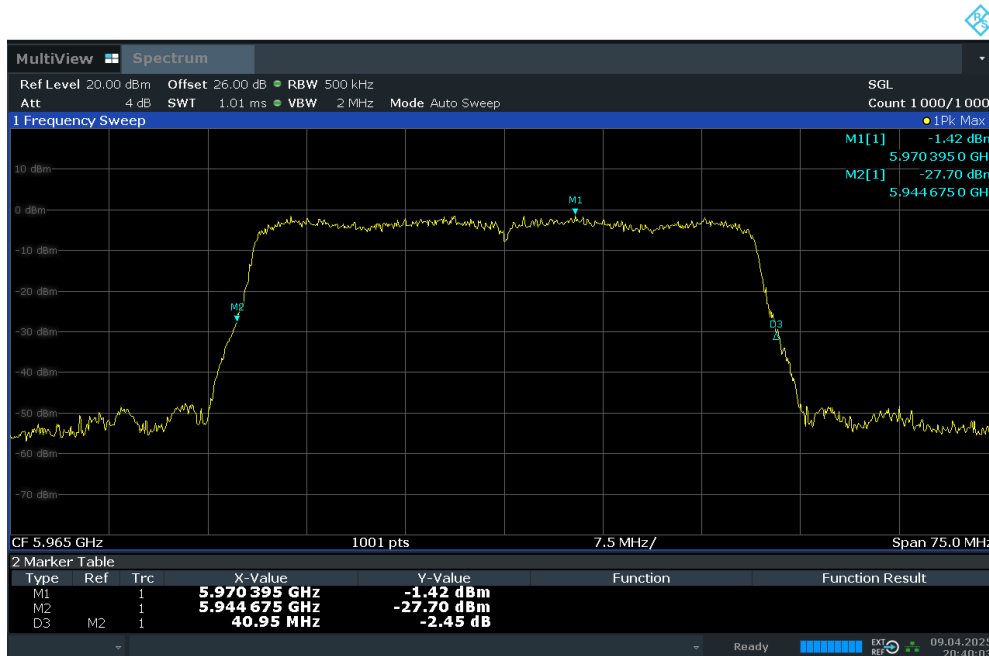
Path B

Radio Technology = WLAN ax 40 MHz, Operating Frequency = low, Subband = U-NII-5
(S01_AC01)



22:18:18 09.04.2025

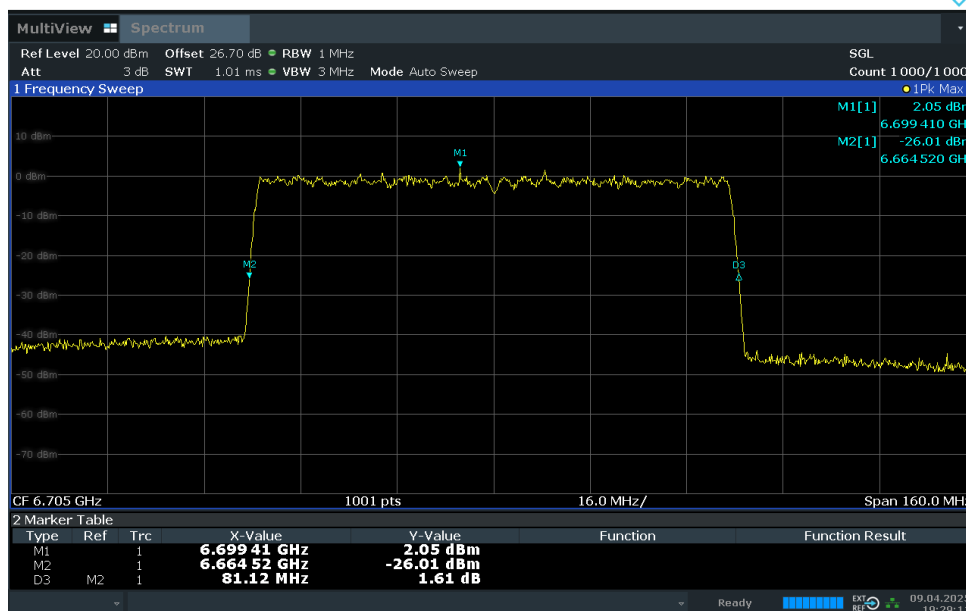
Path A



20:40:04 09.04.2025

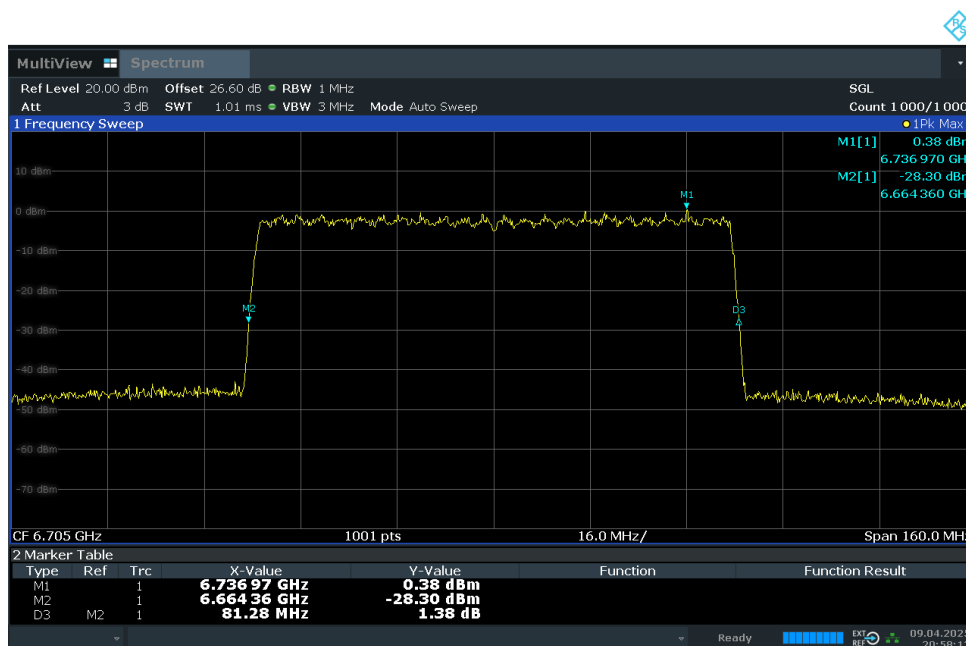
Path B

Radio Technology = WLAN ax 80 MHz, Operating Frequency = mid, Subband = U-NII-7 (S01_AC01)



19:29:12 09.04.2025

Path A



20:58:13 09.04.2025

Path B

5.2.5 TEST EQUIPMENT USED

- R&S TS8997

5.3 99 % BANDWIDTH

Standard **FCC Part 15 Subpart E**

The test was performed according to:

ANSI C63.10, chapter 12.5.3 (6.9.3)

5.3.1 TEST DESCRIPTION

The Equipment Under Test (EUT) was set up to perform the occupied bandwidth measurements.

The reference level is the level of the highest amplitude signal observed from the transmitter at either the fundamental frequency or first-order modulation products in all typical modes of operation, including the unmodulated carrier, even if atypical.

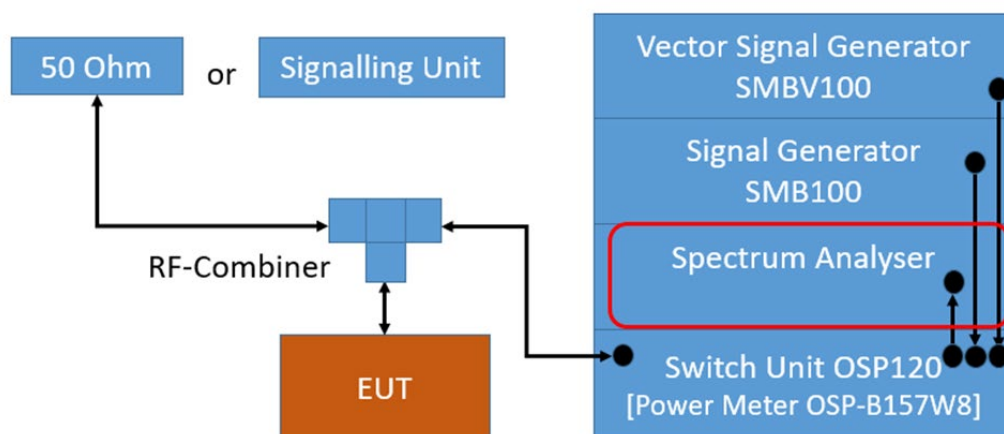
The results recorded were measured with the modulation which produces the worst-case (widest) emission bandwidth.

The EUT was connected to the test system as described in the block diagram below. The complete attenuation of the measurement path is known and considered.

Analyzer settings:

- Resolution Bandwidth (RBW): 1% to 5% of the OBW
- Video Bandwidth (VBW): ≥ 3 times the RBW
- Span: 1.5 to 5 times OBW
- Trace: Maxhold
- Sweeps: see plots
- Sweep time: Auto
- Detector: Peak

The 99 % measurement function of the spectrum analyser function was used to determine the 99 % bandwidth.



TS8997; Occupied Channel Bandwidth 6 dB / 26 dB / 99 %

5.3.2 TEST REQUIREMENTS / LIMITS

FCC Part 15, Subpart E, §15.407 (a), (11)

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

5.3.3 TEST PROTOCOL

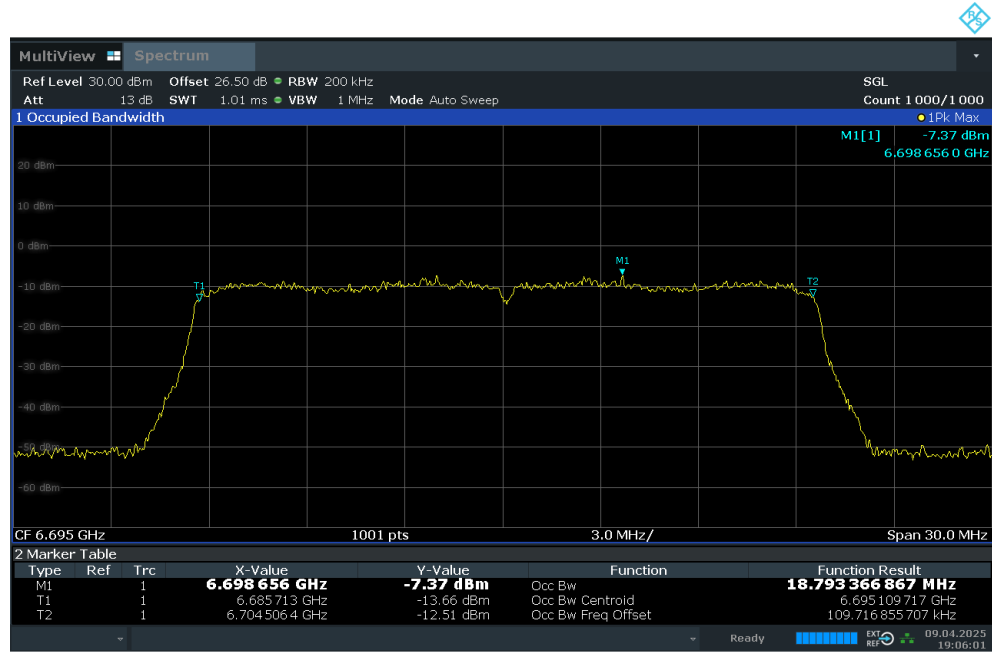
Ambient temperature: 20 - 24 °C
 Air Pressure: 985 - 1035 hPa
 Humidity: 31 - 54 %

Radio Technology	Subband	Operating Frequency	99% Bandwidth Path A [MHz]	99% Bandwidth Path B [MHz]	Limit [MHz]	Margin to Limit [MHz]
WLAN ax 20 MHz	U-NII-5	low	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-5	mid	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-5	high	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-6	low	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-6	mid	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-6	high	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-7	low	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-7	mid	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-7	high	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-7/8	straddle	9.3 / 9.5	9.3 / 9.5	320	301.2
WLAN ax 20 MHz	U-NII-8	low	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-8	mid	18.8	18.8	320	301.2
WLAN ax 20 MHz	U-NII-8	high	18.8	18.8	320	301.2
WLAN ax 40 MHz	U-NII-5	low	37.5	37.5	320	282.5
WLAN ax 40 MHz	U-NII-5	mid	37.6	37.5	320	282.4
WLAN ax 40 MHz	U-NII-5	high	37.5	37.5	320	282.5
WLAN ax 40 MHz	U-NII-6	low	37.6	37.5	320	282.4
WLAN ax 40 MHz	U-NII-6	high	37.6	37.5	320	282.4
WLAN ax 40 MHz	U-NII-6/7	straddle	18.7 / 18.8	18.7 / 18.9	320	282.4
WLAN ax 40 MHz	U-NII-7	low	37.5	37.6	320	282.4
WLAN ax 40 MHz	U-NII-7	mid	37.6	37.6	320	282.4
WLAN ax 40 MHz	U-NII-7	high	37.5	37.5	320	282.5
WLAN ax 40 MHz	U-NII-7/8	straddle	8.7 / 28.9	8.7 / 28.9	320	282.4
WLAN ax 40 MHz	U-NII-8	low	37.6	37.5	320	282.4
WLAN ax 40 MHz	U-NII-8	mid	37.6	37.6	320	282.4
WLAN ax 40 MHz	U-NII-8	high	37.5	37.5	320	282.5
WLAN ax 80 MHz	U-NII-5	low	77.7	77.6	320	242.3
WLAN ax 80 MHz	U-NII-5	mid	77.6	77.6	320	242.4
WLAN ax 80 MHz	U-NII-5	high	77.6	77.6	320	242.4
WLAN ax 80 MHz	U-NII-6	low	77.6	77.7	320	242.3
WLAN ax 80 MHz	U-NII-6/7	straddle	18.7 / 58.8	18.8 / 59	320	242.2
WLAN ax 80 MHz	U-NII-7	low	77.6	77.6	320	242.4
WLAN ax 80 MHz	U-NII-7	mid	77.6	77.6	320	242.4
WLAN ax 80 MHz	U-NII-7	high	77.6	77.6	320	242.4
WLAN ax 80 MHz	U-NII-7/8	straddle	48.7 / 28.9	48.7 / 28.9	320	242.4
WLAN ax 80 MHz	U-NII-8	low	77.6	77.6	320	242.4
WLAN ax 80 MHz	U-NII-8	high	77.7	77.7	320	242.3

Remark: For the straddle channels the given values are the values for each of the two bands that are used by the channel, first value is lower band, second value is higher band.
 Please see next sub-clause for the measurement plot.

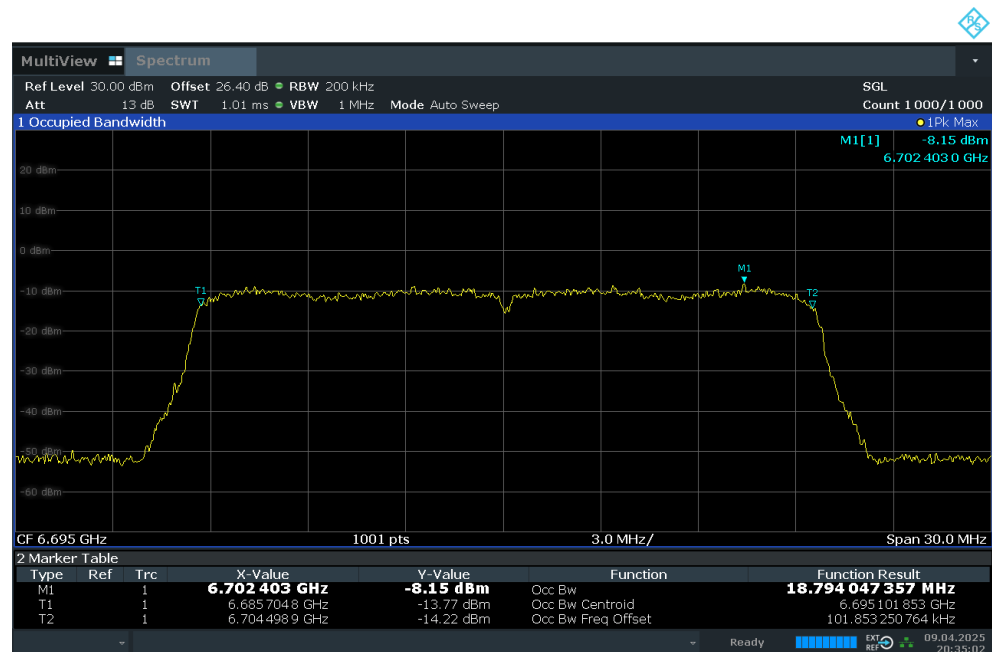
5.3.4 MEASUREMENT PLOT (EXAMPLE PLOT, SHOWING WORST CASE, IF APPLICABLE)

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Subband = U-NII-7 (S01_AC01)



19:06:01 09.04.2025

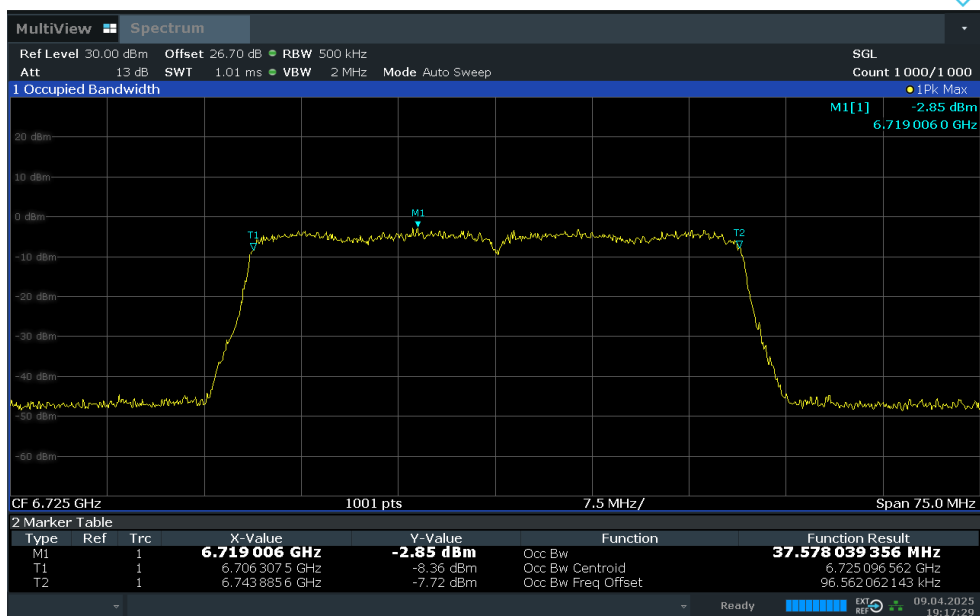
Path A



20:35:03 09.04.2025

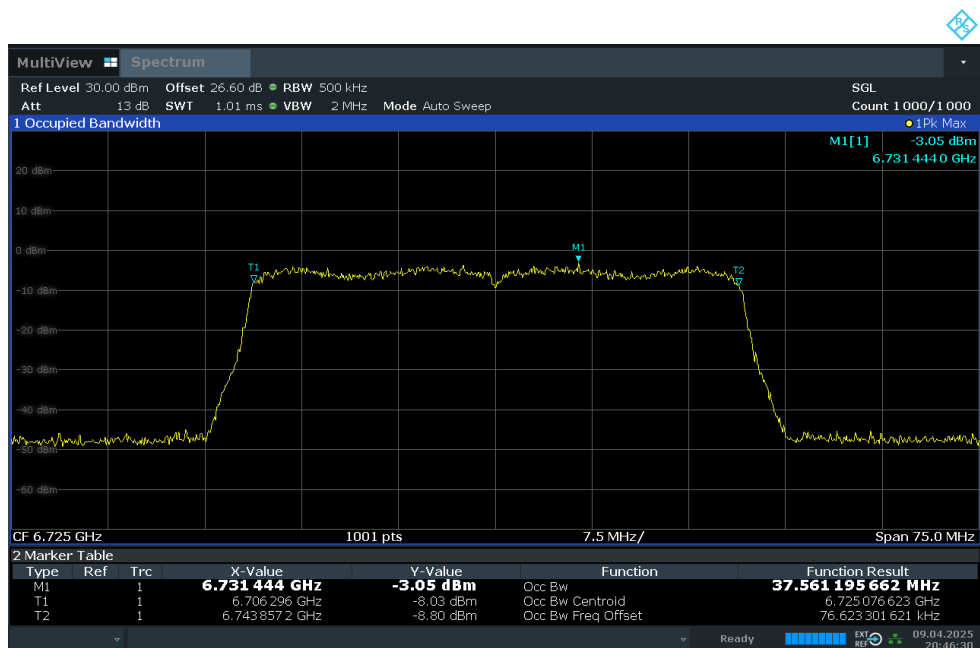
Path B

Radio Technology = WLAN ax 40 MHz, Operating Frequency = mid, Subband = U-NII-7 (S01_AC01)



19:17:29 09.04.2025

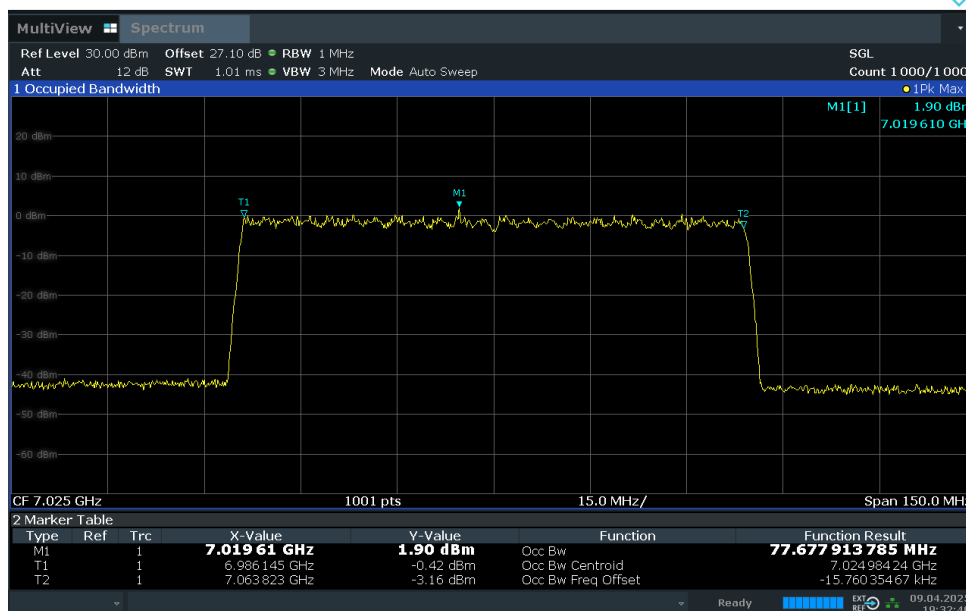
Path A



20:46:30 09.04.2025

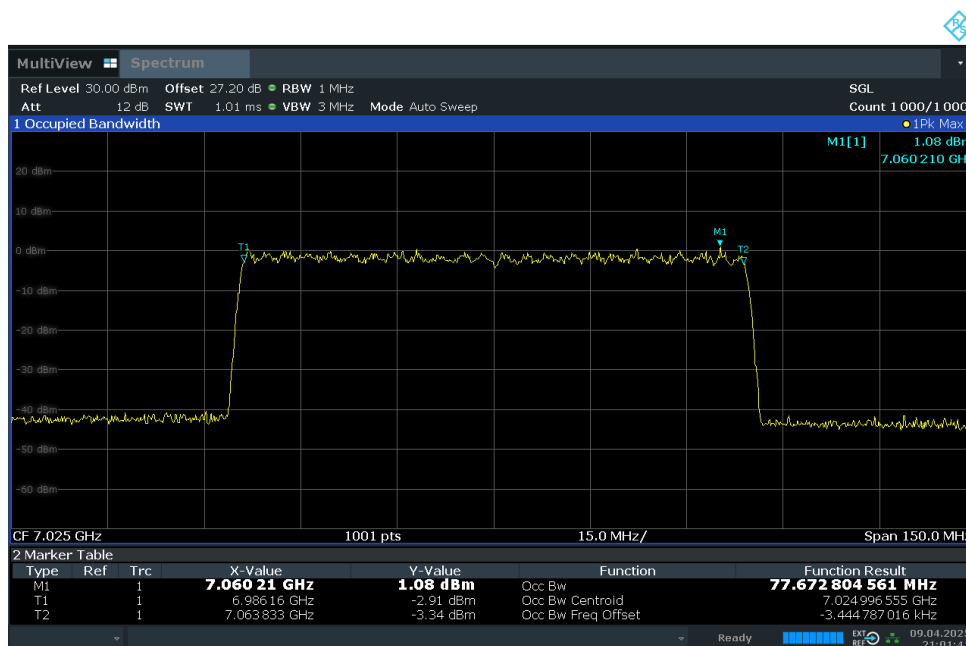
Path B

Radio Technology = WLAN ax 80 MHz, Operating Frequency = high, Subband = U-NII-8 (S01_AC01)



19:32:41 09.04.2025

Path A



21:01:42 09.04.2025

Path B

5.3.5 TEST EQUIPMENT USED

- R&S TS8997

5.4 MAXIMUM CONDUCTED OUTPUT POWER

Standard **FCC Part 15 Subpart E**

The test was performed according to:

ANSI C63.10, chapter 12.4.3.2

5.4.1 TEST DESCRIPTION

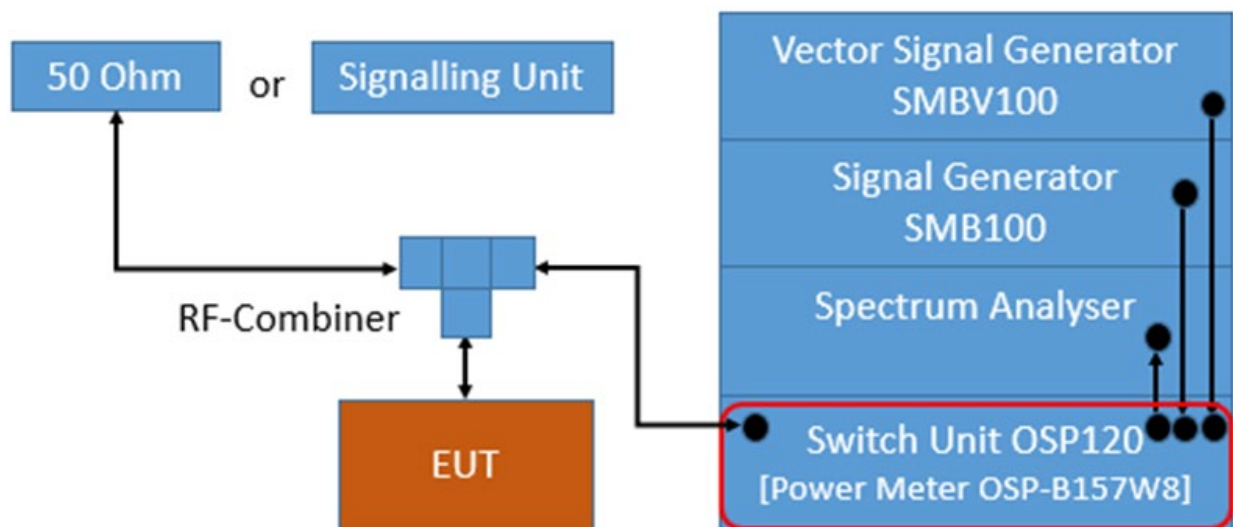
The Equipment Under Test (EUT) was set up to perform the output power measurements. The results recorded were measured with the modulation which produces the worst-case (highest) output power

The EUT was connected to the test system as described in the block diagram below. The complete attenuation of the measurement path is known and considered.

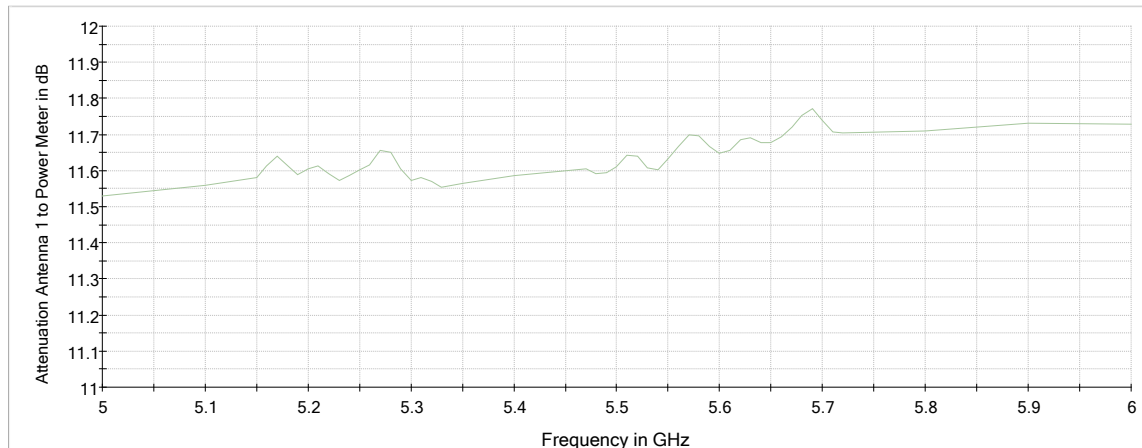
The OSP-B157W is a gated RF average power meter with a signal bandwidth > 300 MHz.

Note:

The measurement was performed according FCC Public Note "Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E, 789033 D02", method **PM-G**.



TS8997; Maximum Conducted Output Power



Attenuation of measurement path

5.4.2 TEST REQUIREMENTS / LIMITS

A) FCC

FCC Part 15, Subpart E, §15.407 (a) (4):

For a standard power access point and fixed client devices in the 5.925 – 6.425 GHz and 6.525 – 6.875 GHz bands:

Limit: 4 W (36 dBm) e.i.r.p.

For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

FCC Part 15, Subpart E, §15.407 (a) (5):

For an indoor access point in the 5.925 – 7.125 GHz bands:

Limit: 1 W (30 dBm) e.i.r.p.

FCC Part 15, Subpart E, §15.407 (a) (6):

For a subordinate device operating under an indoor access point in the 5.925 – 7.125 GHz bands:

Limit: 1 W (30 dBm) e.i.r.p.

FCC Part 15, Subpart E, §15.407 (a) (7):

For a client device, except for fixed client devices, operating under standard power access point in the 5.925-6.425 GHz and 6.525-6.875 GHz bands:

Limit: 1 W (30 dBm) e.i.r.p.

The client device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.

FCC Part 15, Subpart E, §15.407 (a) (8):

For client devices operating under the control of an indoor access point in the 5.925 – 7.125 GHz bands:

Limit: 250 mW (24 dBm) e.i.r.p.

FCC Part 15, Subpart E, §15.407 (a) (11):

The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

B) IC

Different frequency bands and limits apply, as compared to the FCC requirements.

All frequency bands: B is the 99% emission bandwidth in MHz.

RSS-248, 4.5.2, low power indoor access points and indoor subordinate devices:

Limits:

b. the maximum e.i.r.p. over the 5925-7125 MHz frequency band shall not exceed 30 dBm

RSS-248, 4.5.3, low-power client devices:

Limits:

b. the maximum e.i.r.p. over the 5925-7125 MHz frequency band shall not exceed 24 dBm

RSS-248, 4.5.4, standard-power access points and fixed client devices:

Limits:

b. the maximum e.i.r.p. over the 5925-6875 MHz frequency band shall not exceed 36 dBm

c. the maximum e.i.r.p. for a device not enclosed by walls and a ceiling, measured at any elevation angle greater than 30 degrees above the horizon, shall not exceed 21 dBm over the 5925-6875 MHz frequency band

A standard-power access point shall provide relevant information to an associated standard client device, such that the standard client device maintains its power level at least 6 dB lower than that of the standard-power access point.

RSS-248, 4.5.5, standard client devices:

Limits:

b. the maximum e.i.r.p. over the 5925-6875 MHz frequency band shall not exceed 30 dBm

c. the maximum power limits shall remain at least 6 dB below the power levels authorized for the associated standard-power access point

RSS-248, 4.5.6, very low-power devices:

Limits:

b. the maximum e.i.r.p. shall not exceed 14 dBm

A very low-power device shall implement transmitter power control in order to have the capability to operate at least 6 dB lower than the maximum e.i.r.p. spectral density limit. These power levels shall be identified in the test report.

5.4.3 TEST PROTOCOL

Ambient temperature: 20 - 24 °C
 Air Pressure: 985 - 1035 hPa
 Humidity: 31 - 54 %

WLAN ax-Mode; 20 MHz; MCS 10; SISO

U-NII-Subband	Ch. No.	TX Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC EIRP Limit [dBm]	Margin [dB]	ISED EIRP Limit [dBm]	Margin [dB]
5	1	5955	3.4	9.2	24.0	14.8	24.0	14.8
	45	6175	4.0	9.8	24.0	14.2	24.0	14.2
6	93	6415	4.3	10.1	24.0	13.9	24.0	13.9
	97	6435	3.9	9.7	24.0	14.3	24.0	14.3
	105	6475	3.5	9.3	24.0	14.7	24.0	14.7
7	113	6515	3.1	8.9	24.0	15.1	24.0	15.1
	117	6535	2.9	8.7	24.0	15.3	24.0	15.3
	149	6695	2.1	7.9	24.0	16.1	24.0	16.1
7+8	181	6855	2.0	7.8	24.0	16.2	24.0	16.2
	185	6875	2.0	7.8	24.0	16.2	24.0	16.2
8	189	6895	2.1	7.9	24.0	16.1	24.0	16.1
	209	6995	2.2	8.0	24.0	16.0	24.0	16.0
	233	7115	-9.1	-3.3	24.0	27.3	24.0	27.3

WLAN ax-Mode; 40 MHz; MCS 10; SISO

U-NII-Subband	Ch. No.	TX Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC EIRP Limit [dBm]	Margin [dB]	ISED EIRP Limit [dBm]	Margin [dB]
5	3	5965	6.4	12.2	24.0	11.8	24.0	11.8
	43	6165	7.0	12.8	24.0	11.2	24.0	11.2
6	91	6405	7.5	13.3	24.0	10.7	24.0	10.7
	99	6445	7.0	12.8	24.0	11.2	24.0	11.2
	107	6485	6.6	12.4	24.0	11.6	24.0	11.6
6+7	115	6525	6.1	11.9	24.0	12.1	24.0	12.1
	123	6565	5.9	11.7	24.0	12.3	24.0	12.3
7	155	6725	5.2	11.0	24.0	13.0	24.0	13.0
	179	6845	5.1	10.9	24.0	13.1	24.0	13.1
	187	6885	5.3	11.1	24.0	12.9	24.0	12.9
7+8	195	6925	5.2	11.0	24.0	13.0	24.0	13.0
	211	7005	5.3	11.1	24.0	12.9	24.0	12.9
8	227	7085	5.4	11.2	24.0	12.8	24.0	12.8

WLAN ax-Mode; 80 MHz; MCS 10; SISO

U-NII-Subband	Ch. No.	TX Freq. [MHz]	Cond. Power [dBm]	EIRP [dBm]	FCC EIRP Limit [dBm]	Margin [dB]	ISED EIRP Limit [dBm]	Margin [dB]
5	7	5985	9.6	15.4	24.0	8.6	24.0	8.6
	39	6145	10.0	15.8	24.0	8.2	24.0	8.2
6	87	6385	10.7	16.5	24.0	7.5	24.0	7.5
	103	6465	10.0	15.8	24.0	8.2	24.0	8.2
	119	6545	9.1	14.9	24.0	9.1	24.0	9.1
7	135	6625	9.0	14.8	24.0	9.2	24.0	9.2
	151	6705	8.7	14.5	24.0	9.5	24.0	9.5
	167	6785	8.4	14.2	24.0	9.8	24.0	9.8
7+8	183	6865	8.6	14.4	24.0	9.6	24.0	9.6
	199	6945	8.6	14.4	24.0	9.6	24.0	9.6
8	215	7025	8.4	14.2	24.0	9.8	24.0	9.8

Remark: Power Meter measurement, no plots provided.

5.4.4 TEST EQUIPMENT USED

- R&S TS8997

5.5 PEAK POWER SPECTRAL DENSITY

Standard **FCC Part 15 Subpart E**

The test was performed according to:

ANSI C63.10, chapter 12.6 (SA-1)

5.5.1 TEST DESCRIPTION

The Equipment Under Test (EUT) was set up in a shielded room to perform the Maximum Power Spectral Density measurements.

The results recorded were measured with the modulation which produces the worst-case (highest) output power.

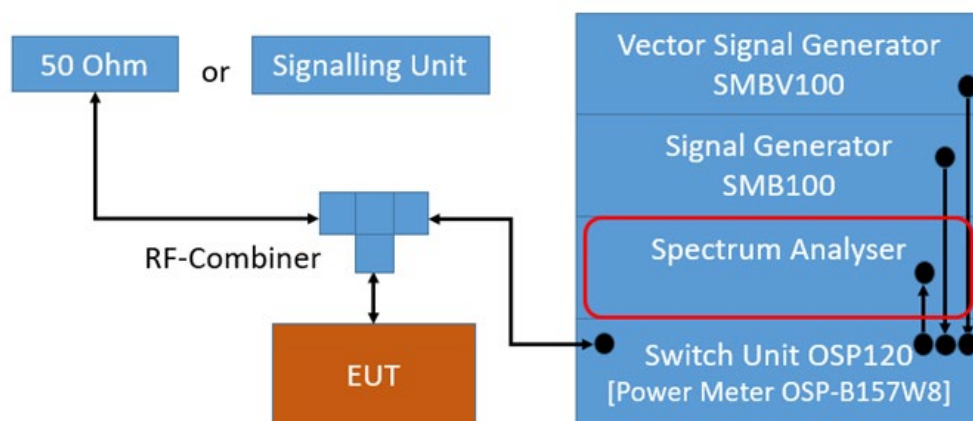
The EUT was connected to the test system as described in the block diagram below. The complete attenuation of the measurement path is known and considered.

Analyzer settings:

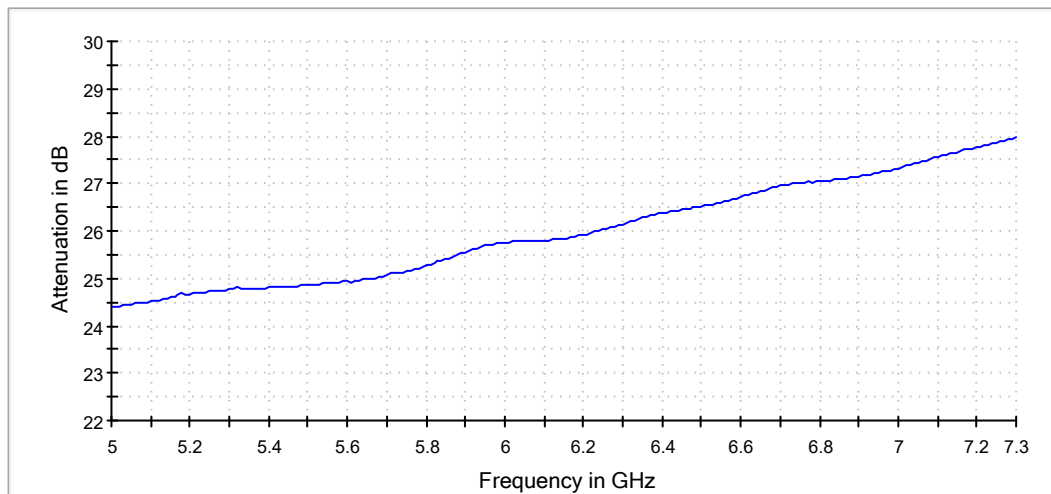
- Resolution Bandwidth (RBW): 1 MHz (for subband 3: 500 kHz)
- Video Bandwidth (VBW): 3 MHz (for subband 3: 2 MHz)
- Trace: Average (Power)
- Sweeps: see plots
- Sweep time: Auto
- Detector: RMS
- Trigger: free run

Note:

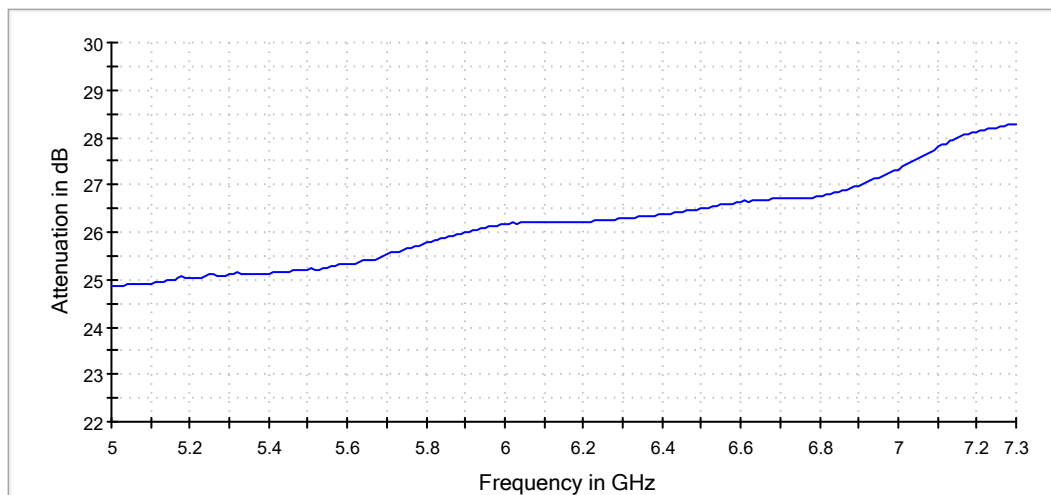
The analyser settings are according FCC Public Note "Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E, 789033 D02", method **SA-3**.



TS8997; Maximum Power Spectral Density



Attenuation of the measurement path A



Attenuation of the measurement path B

5.5.2 TEST REQUIREMENTS / LIMITS

A) FCC

FCC Part 15, Subpart E, §15.407 (a) (4):

For a standard power access point and fixed client devices in the 5.925 – 6.425 GHz and 6.525 – 6.875 GHz bands:

Limit: 23 dBm/MHz e.i.r.p.

FCC Part 15, Subpart E, §15.407 (a) (5):

For an indoor access point in the 5.925 – 7.125 GHz bands:

Limit: 5 dBm/MHz e.i.r.p.

FCC Part 15, Subpart E, §15.407 (a) (6):

For a subordinate device operating under an indoor access point in the 5.925 – 7.125 GHz bands:

Limit: 5 dBm/MHz e.i.r.p.

FCC Part 15, Subpart E, §15.407 (a) (7):

For a client device, except for fixed client devices, operating under standard power access point in the 5.925-6.425 GHz and 6.525-6.875 GHz bands:

Limit: 17 dBm/MHz e.i.r.p.

FCC Part 15, Subpart E, §15.407 (a) (8):

For client devices operating under the control of an indoor access point in the 5.925 – 7.125 GHz bands:

Limit: -1 dBm/MHz e.i.r.p.

B) IC

Different frequency bands and limits apply, as compared to the FCC requirements.

RSS-248, 4.5.2, low power indoor access points and indoor subordinate devices:

Limits:

- a. the maximum e.i.r.p. spectral density shall not exceed 5 dBm/MHz

RSS-248, 4.5.3, low-power client devices:

Limits:

- a. the maximum e.i.r.p. spectral density shall not exceed -1 dBm/MHz

RSS-248, 4.5.4, standard-power access points and fixed client devices:

Limits:

- a. the maximum e.i.r.p. spectral density shall not exceed 23 dBm/MHz

RSS-248, 4.5.5, standard client devices:

Limits:

- a. the maximum e.i.r.p. spectral density shall not exceed 17 dBm/MHz

RSS-248, 4.5.6, very low-power devices:

Limits:

- a. the maximum e.i.r.p. spectral density shall not exceed -5 dBm/MHz

5.5.3 TEST PROTOCOL

Ambient temperature: 20 - 24 °C
 Air Pressure: 985 - 1035 hPa
 Humidity: 31 - 54 %

WLAN ax-Mode; 20 MHz; MCS 10; SISO

U-NII-Band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	E.I.R.P MPSPD [dBm/MHz]	FCC Limit E.I.R.P [dBm/MHz]	Margin [dB]	ISED E.I.R.P limit [dBm/MHz]	Margin [dB]
5	1	5955	-8.2	-2.4	-1.0	1.4	-1.0	1.4
	45	6175	-7.5	-1.7	-1.0	0.7	-1.0	0.7
	93	6415	-8.1	-2.3	-1.0	1.3	-1.0	1.3
6	97	6435	-8.6	-2.8	-1.0	1.8	-1.0	1.8
	105	6475	-8.6	-2.8	-1.0	1.8	-1.0	1.8
	113	6515	-9.0	-3.2	-1.0	2.2	-1.0	2.2
7	117	6535	-9.1	-3.3	-1.0	2.3	-1.0	2.3
	149	6695	-9.7	-3.9	-1.0	2.9	-1.0	2.9
	181	6855	-9.8	-4.0	-1.0	3.0	-1.0	3.0
7+8	185	6875	-10.0	-4.2	-1.0	3.2	-1.0	3.2
8	189	6895	-9.8	-4.0	-1.0	3.0	-1.0	3.0
	209	6995	-9.8	-4.0	-1.0	3.0	-1.0	3.0
	233	7115	-22.7	-16.9	-1.0	15.9	-1.0	15.9

WLAN ax-Mode; 40 MHz; MCS 10; SISO

U-NII-Band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	E.I.R.P MPSPD [dBm/MHz]	FCC Limit E.I.R.P [dBm/MHz]	Margin [dB]	ISED E.I.R.P limit [dBm/MHz]	Margin [dB]
5	3	5965	-7.9	-2.1	-1.0	1.1	-1.0	1.1
	43	6165	-7.4	-1.6	-1.0	0.6	-1.0	0.6
	91	6405	-8.1	-2.3	-1.0	1.3	-1.0	1.3
6	99	6445	-8.4	-2.6	-1.0	1.6	-1.0	1.6
	107	6485	-8.7	-2.9	-1.0	1.9	-1.0	1.9
6+7	115	6525	-8.8	-3.0	-1.0	2.0	-1.0	2.0
7	123	6565	-9.0	-3.2	-1.0	2.2	-1.0	2.2
	155	6725	-9.6	-3.8	-1.0	2.8	-1.0	2.8
	179	6845	-9.7	-3.9	-1.0	2.9	-1.0	2.9
7+8	187	6885	-9.7	-3.9	-1.0	2.9	-1.0	2.9
8	195	6925	-10.0	-4.2	-1.0	3.2	-1.0	3.2
	211	7005	-9.7	-3.9	-1.0	2.9	-1.0	2.9
	227	7085	-9.4	-3.6	-1.0	2.6	-1.0	2.6

WLAN ax-Mode; 80 MHz; MCS 10; SISO

U-NII-Band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	E.I.R.P MPSPD [dBm/MHz]	FCC Limit E.I.R.P [dBm/MHz]	Margin [dB]	ISED E.I.R.P limit [dBm/MHz]	Margin [dB]
5	7	5985	-8.0	-2.2	-1.0	1.2	-1.0	1.2
	39	6145	-7.6	-1.8	-1.0	0.8	-1.0	0.8
	87	6385	-8.0	-2.2	-1.0	1.2	-1.0	1.2
6	103	6465	-8.5	-2.7	-1.0	1.7	-1.0	1.7
6+7	119	6545	-9.1	-3.3	-1.0	2.3	-1.0	2.3
7	135	6625	-9.0	-3.2	-1.0	2.2	-1.0	2.2
	151	6705	-9.1	-3.3	-1.0	2.3	-1.0	2.3
	167	6785	-9.5	-3.7	-1.0	2.7	-1.0	2.7
7+8	183	6865	-9.4	-3.6	-1.0	2.6	-1.0	2.6
8	199	6945	-9.8	-4.0	-1.0	3.0	-1.0	3.0
	215	7025	-9.6	-3.8	-1.0	2.8	-1.0	2.8

OFDMA

WLAN ax-Mode RU 5; 20 MHz; MCS 10; SISO

U-NII-Band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	E.I.R.P MPSD [dBm/MHz]	FCC Limit E.I.R.P [dBm/MHz]	Margin [dB]	ISED E.I.R.P limit [dBm/MHz]	Margin [dB]
5	1	5955	-7.8	-2.0	-1.0	1.0	-1.0	1.0
	45	6175	-7.3	-1.5	-1.0	0.5	-1.0	0.5
	93	6415	-7.9	-2.1	-1.0	1.1	-1.0	1.1
6	97	6435	-8.1	-2.3	-1.0	1.3	-1.0	1.3
	105	6475	-8.4	-2.6	-1.0	1.6	-1.0	1.6
	113	6515	-8.8	-3.0	-1.0	2.0	-1.0	2.0
7	117	6535	-9.0	-3.2	-1.0	2.2	-1.0	2.2
	149	6695	-9.5	-3.7	-1.0	2.7	-1.0	2.7
	181	6855	-9.0	-3.2	-1.0	2.2	-1.0	2.2
7+8	185	6875	-9.0	-3.2	-1.0	2.2	-1.0	2.2
8	189	6895	-8.9	-3.1	-1.0	2.1	-1.0	2.1
	209	6995	-9.2	-3.4	-1.0	2.4	-1.0	2.4
	233	7115	-21.2	-15.4	-1.0	14.4	-1.0	14.4

WLAN ax-Mode RU 6; 40 MHz; MCS 10; SISO

U-NII-Band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	E.I.R.P MPSD [dBm/MHz]	FCC Limit E.I.R.P [dBm/MHz]	Margin [dB]	ISED E.I.R.P limit [dBm/MHz]	Margin [dB]
5	3	5965	-8.2	-2.4	-1 (E.I.R.P)	1.4	-1.0	1.4
	43	6165	-7.8	-2.0	-1 (E.I.R.P)	1.0	-1.0	1.0
	91	6405	-8.3	-2.5	-1 (E.I.R.P)	1.5	-1.0	1.5
6	99	6445	-8.6	-2.8	-1 (E.I.R.P)	1.8	-1.0	1.8
	107	6485	-8.8	-3.0	-1 (E.I.R.P)	2.0	-1.0	2.0
6+7	115	6525	-9.3	-3.5	-1 (E.I.R.P)	2.5	-1.0	2.5
7	123	6565	-9.5	-3.7	-1 (E.I.R.P)	2.7	-1.0	2.7
	155	6725	-9.7	-3.9	-1 (E.I.R.P)	2.9	-1.0	2.9
	179	6845	-9.7	-3.9	-1 (E.I.R.P)	2.9	-1.0	2.9
7+8	187	6885	-9.5	-3.7	-1 (E.I.R.P)	2.7	-1.0	2.7
8	195	6925	-9.4	-3.6	-1 (E.I.R.P)	2.6	-1.0	2.6
	211	7005	-9.6	-3.8	-1 (E.I.R.P)	2.8	-1.0	2.8
	227	7085	-9.9	-4.1	-1 (E.I.R.P)	3.1	-1.0	3.1

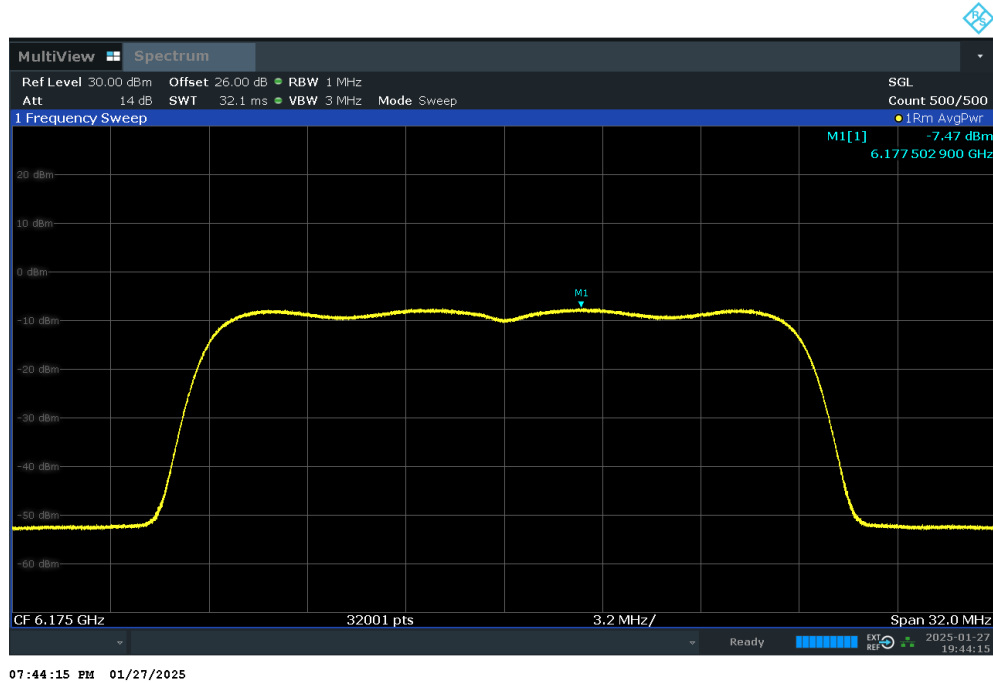
WLAN ax-Mode; 80 MHz RU 6; MCS 10; SISO

U-NII-Band	Ch. No.	Freq. [MHz]	MPSD [dBm/MHz]	E.I.R.P MPSD [dBm/MHz]	FCC Limit E.I.R.P [dBm/MHz]	Margin [dB]	ISED E.I.R.P limit [dBm/MHz]	Margin [dB]
5	7	5985	-8.7	-2.9	-1 (E.I.R.P)	1.9	-1.0	1.9
	39	6145	-8.6	-2.8	-1 (E.I.R.P)	1.8	-1.0	1.8
	87	6385	-8.7	-2.9	-1 (E.I.R.P)	1.9	-1.0	1.9
6	103	6465	-8.9	-3.1	-1 (E.I.R.P)	2.1	-1.0	2.1
6+7	119	6545	-9.6	-3.8	-1 (E.I.R.P)	2.8	-1.0	2.8
7	135	6625	-10.3	-4.5	-1 (E.I.R.P)	3.5	-1.0	3.5
	151	6705	-10.2	-4.4	-1 (E.I.R.P)	3.4	-1.0	3.4
	167	6785	-10.4	-4.6	-1 (E.I.R.P)	3.6	-1.0	3.6
7+8	183	6865	-10.2	-4.4	-1 (E.I.R.P)	3.4	-1.0	3.4
8	199	6945	-10.1	-4.3	-1 (E.I.R.P)	3.3	-1.0	3.3
	215	7025	-10.1	-4.3	-1 (E.I.R.P)	3.3	-1.0	3.3

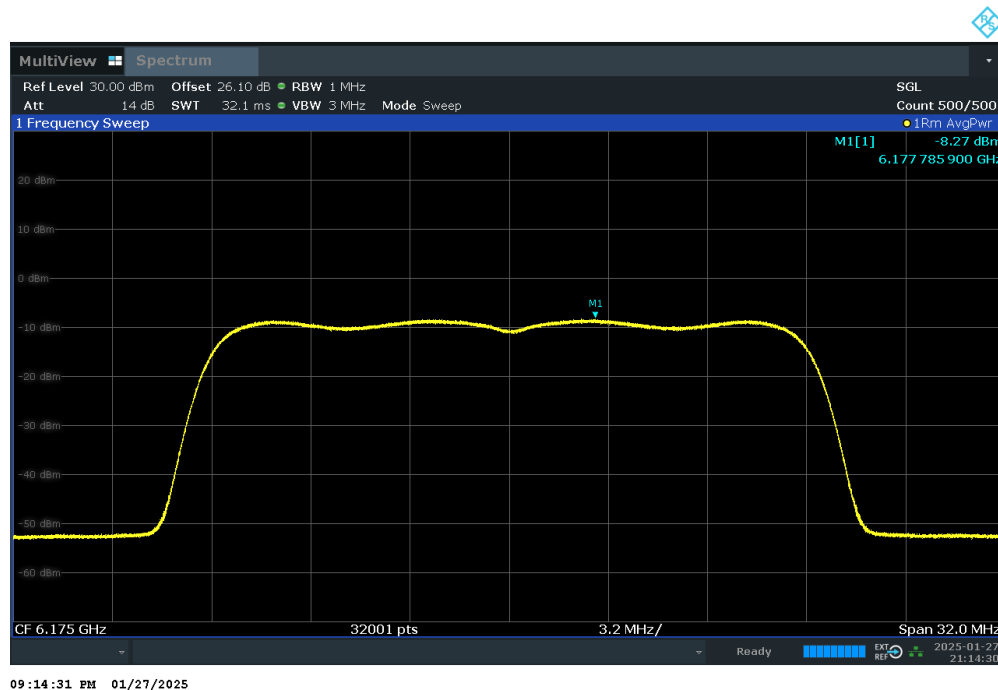
Remark: Tables values given in the table are Path A or Path B, depending on which value is higher.
Please see next sub-clause for the measurement plot.

5.5.4 MEASUREMENT PLOT (EXAMPLE PLOT, SHOWING WORST CASE, IF APPLICABLE)

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Subband = U-NII-5 (S01_AA01)

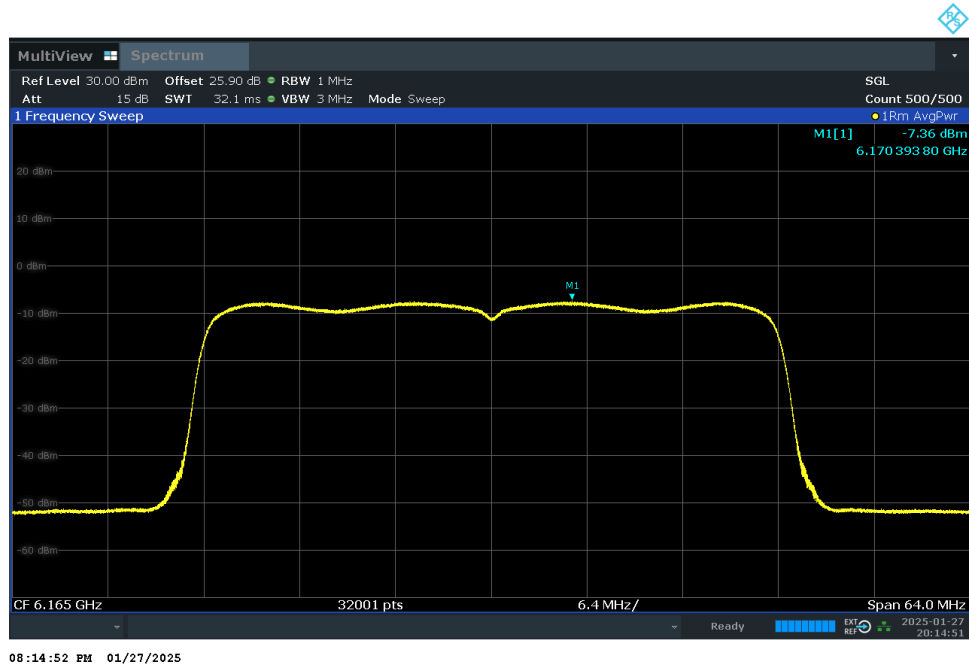


Path A

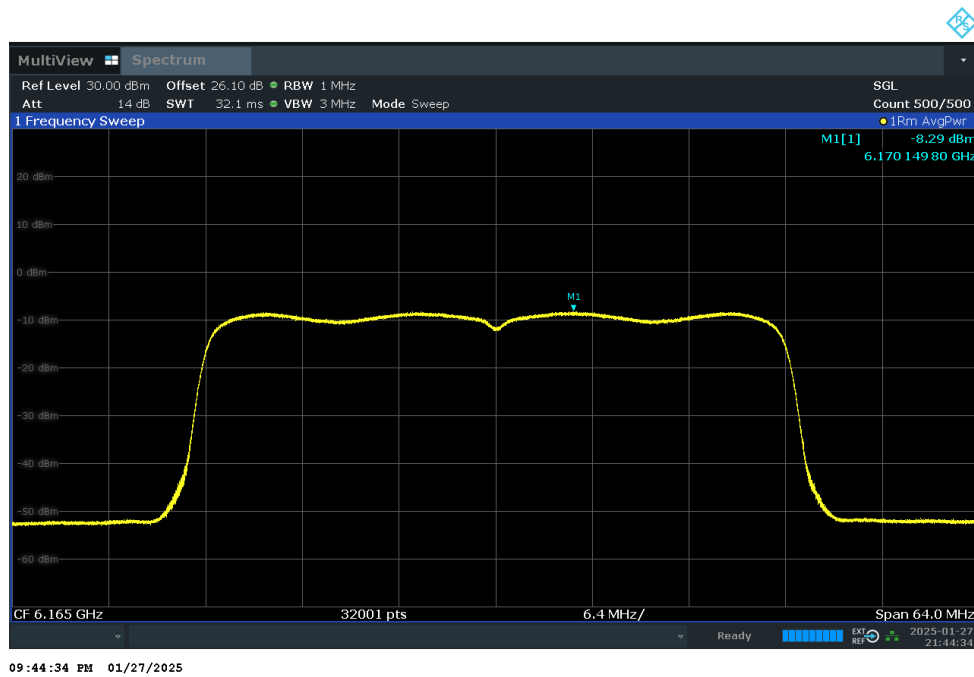


Path B

Radio Technology = WLAN ax 40 MHz, Operating Frequency = mid, Subband = U-NII-5
(S01_AA01)

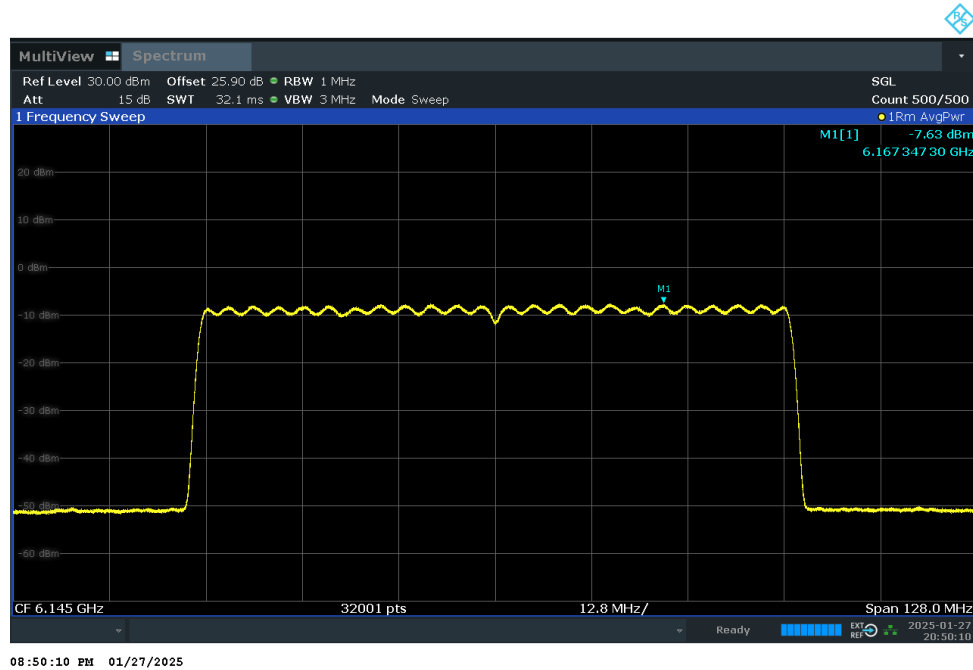


Path A

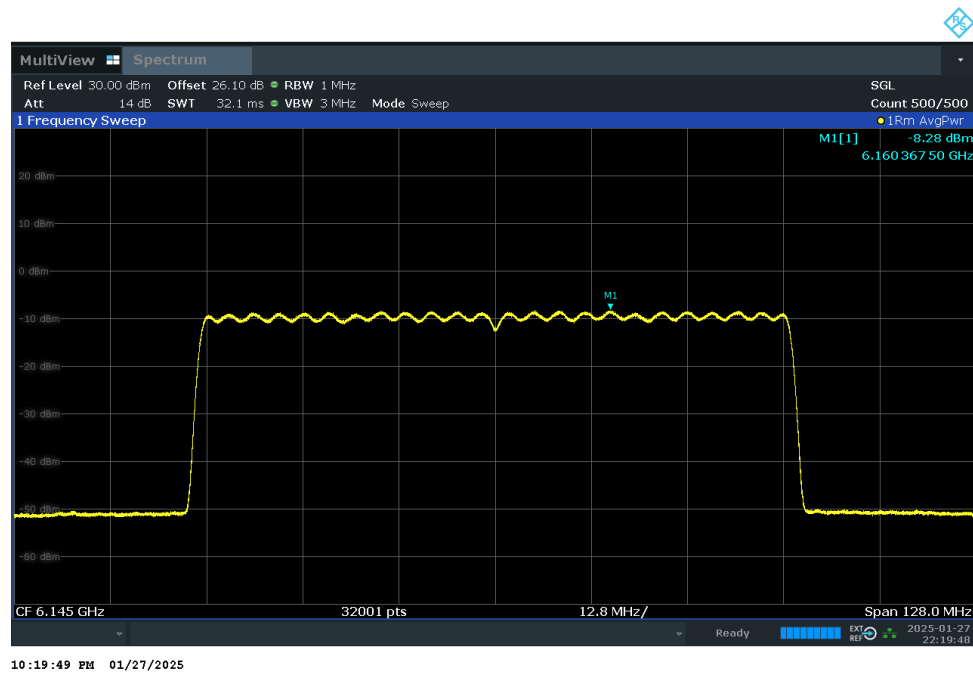


Path B

Radio Technology = WLAN ax 80 MHz, Operating Frequency = mid, Subband = U-NII-5
(S01_AA01)



Path A



Path B

5.5.5 TEST EQUIPMENT USED

- R&S TS8997

5.6 UNDESIRABLE EMISSIONS; GENERAL FIELD STRENGTH LIMITS

Standard **FCC Part 15 Subpart E**

Radiated Measurement Method:

The test was performed according to:

ANSI C63.10, chapter 6.4, 6.5, 6.6.5

Conducted Measurement Method:

The test was performed according to:

ANSI C63.10, chapter 12.7.5, 12.7.6, 12.7.7.2

5.6.1 TEST DESCRIPTION

Radiated Measurements with 50 Ohm termination at the antenna port:

The test set-up was made in accordance to the general provisions of ANSI C63.10 in a typical installation configuration. The measurements were performed according the following sub-chapters of ANSI C63.10:

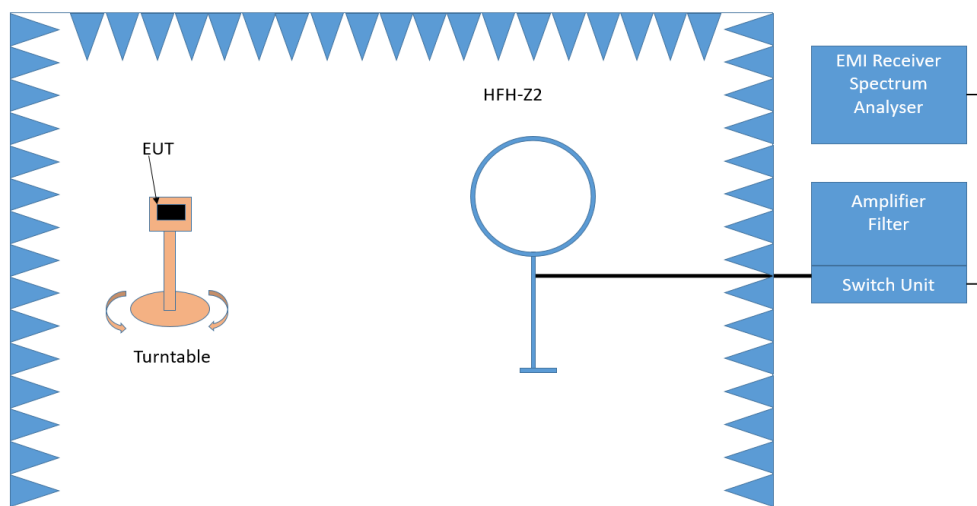
- < 30 MHz: Chapter 6.4
- 30 MHz – 1 GHz: Chapter 6.5
- > 1 GHz: Chapter 6.6 (procedure according 6.6.5 used)

The measurement procedure is implemented into the EMI test software EMC32 from R&S. Exploratory tests are performed at 3 orthogonal axes to determine the worst-case orientation of a body-worn or handheld EUT. The final test on all kind of EUTs is also performed at 3 axes. A pre-check is performed while the EUT is powered.

Below 1 GHz:

The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The influence of the EUT support table that is used between 30–1000 MHz was evaluated.

1. Measurement up to 30 MHz



Test Setup; Spurious Emission Radiated (SAC), 9 kHz – 30 MHz

The Loop antenna HFH2-Z2 is used.

Step 1: pre measurement

- Anechoic chamber
- Antenna distance: 3 m
- Detector: Peak-Maxhold
- Frequency range: 0.009 - 0.15 MHz and 0.15 - 30 MHz
- Frequency steps: 0.05 kHz and 2.25 kHz
- IF-Bandwidth: 0.2 kHz and 9 kHz
- Measuring time / Frequency step: 100 ms (FFT-based)

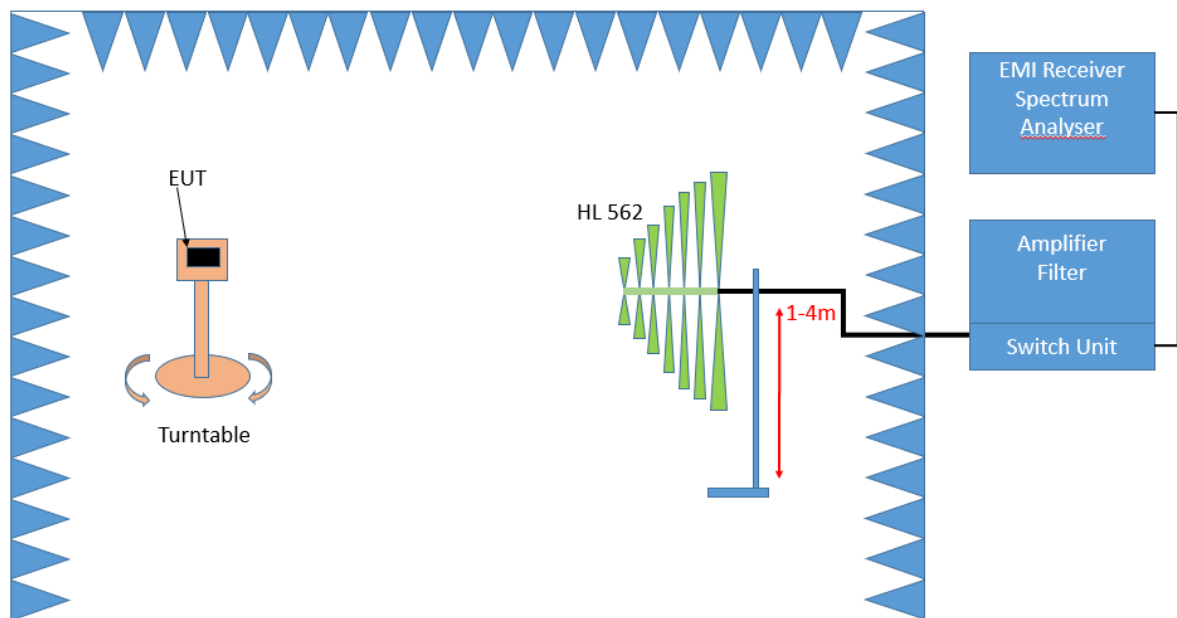
Intention of this step is, to determine the radiated EMI-profile of the EUT. Afterwards the relevant emissions for the final measurement are identified.

Step 2: final measurement

For the relevant emissions determined in step 1, an additional measurement with the following settings will be performed. Intention of this step is to find the maximum emission level.

- Open area test site
- Antenna distance: according to the Standard
- Detector: Quasi-Peak
- Frequency range: 0.009 - 30 MHz
- Frequency steps: measurement at frequencies detected in step 1
- IF-Bandwidth: 0.2 - 10 kHz
- Measuring time / Frequency step: 1 s

2. Measurement above 30 MHz and up to 1 GHz



Test Setup; Spurious Emission Radiated (SAC), 30 MHz- 1GHz

Step 1: Preliminary scan

This is a preliminary test to identify the highest amplitudes relative to the limit.

Settings for step 1:

- Antenna distance: 3 m
- Detector: Peak-Maxhold / Quasipeak (FFT-based)
- Frequency range: 30 - 1000 MHz
- Frequency steps: 30 kHz

- IF-Bandwidth: 120 kHz
- Measuring time / Frequency step: 100 ms
- Turntable angle range: -180° to 90°
- Turntable step size: 90°
- Height variation range: 1 – 4 m
- Height variation step size: 1.5 m
- Polarisation: Horizontal + Vertical

Intention of this step is, to determine the radiated EMI-profile of the EUT. Afterwards the relevant emissions for the final measurement are identified.

Step 2: Adjustment measurement

In this step the accuracy of the turntable azimuth and antenna height will be improved. This is necessary to find out the maximum value of every frequency.

For each frequency, which was determined the turntable azimuth and antenna height will be adjusted. The turntable azimuth will slowly vary by 360° . During this action, the value of emission is continuously measured. The turntable azimuth at the highest emission will be recorded and adjusted. In this position, the antenna height will also slowly vary by 1 – 4 meter. During this action, the value of emission is also continuously measured. The antenna height of the highest emission will also be recorded and adjusted.

- Detector: Peak – Maxhold
- Measured frequencies: in step 1 determined frequencies
- IF – Bandwidth: 120 kHz
- Measuring time: 100 ms
- Turntable angle range: 360°
- Height variation range: 1 – 4 m
- Antenna Polarisation: max. value determined in step 1

Step 3: Final measurement with QP detector

With the settings determined in step 2, the final measurement will be performed:

EMI receiver settings for step 3:

- Detector: Quasi-Peak (< 1 GHz)
- Measured frequencies: in step 1 determined frequencies
- IF – Bandwidth: 120 kHz
- Measuring time: 1 s

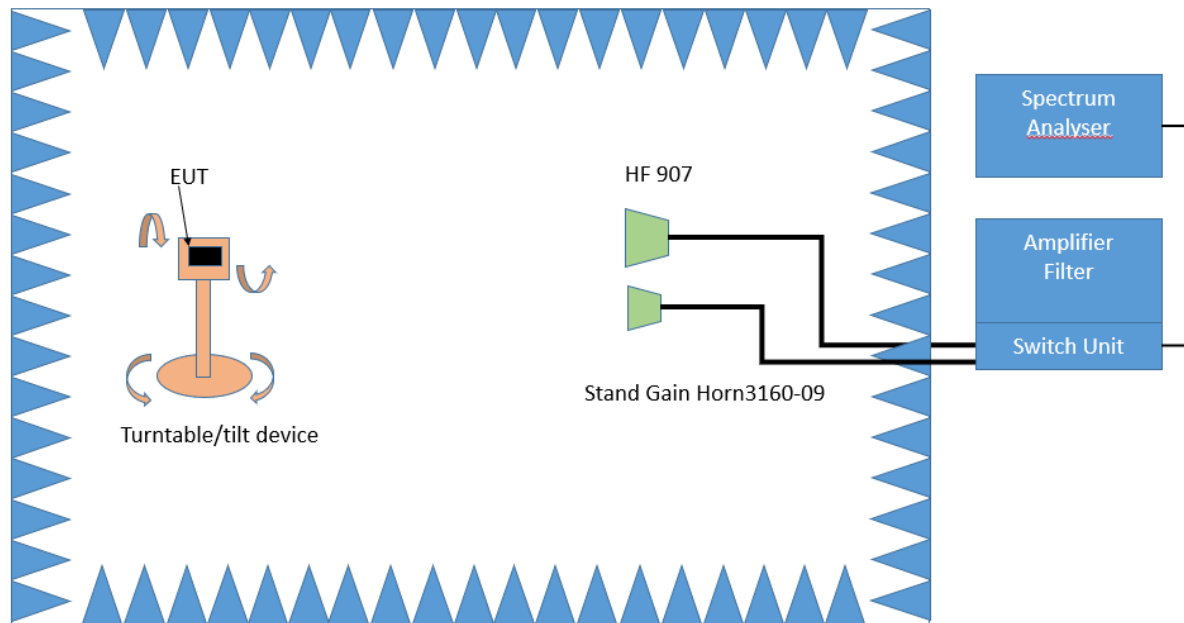
After the measurement a plot will be generated which contains a diagram with the results of the preliminary scan and a chart with the frequencies and values of the results of the final measurement.

Above 1 GHz:

The Equipment Under Test (EUT) was set up on a non-conductive support (tilt device) at 1.5 m height in the fully-anechoic chamber.

All steps were performed with one height (1.5 m) of the receiving antenna only.

3. Measurement 1 GHz up to 26.5 GHz



Test Setup; Spurious Emission Radiated (FAC), 1 GHz-26.5 GHz

Step 1:

The Equipment Under Test (EUT) was set up on a non-conductive support (tilt device) at 1.5 m height in the fully-anechoic chamber.

All steps were performed with one height (1.5 m) of the receiving antenna only.

The EUT is turned during the preliminary measurement across the elevation axis, with a step size of 90 °.

The turn table step size (azimuth angle) for the preliminary measurement is 45 °.

Step 2:

Due to the fact, that in this frequency range the test is performed in a fully anechoic room, the height scan of the receiving antenna in step 2 is omitted. Instead of this, a maximum search with a step size $\pm 45^\circ$ for the elevation axis is performed.

The turn table azimuth will slowly vary by $\pm 22.5^\circ$.

The elevation angle will slowly vary by $\pm 45^\circ$

EMI receiver settings (for all steps):

- Detector: Peak, Average
- IF Bandwidth = 1 MHz

Step 3:

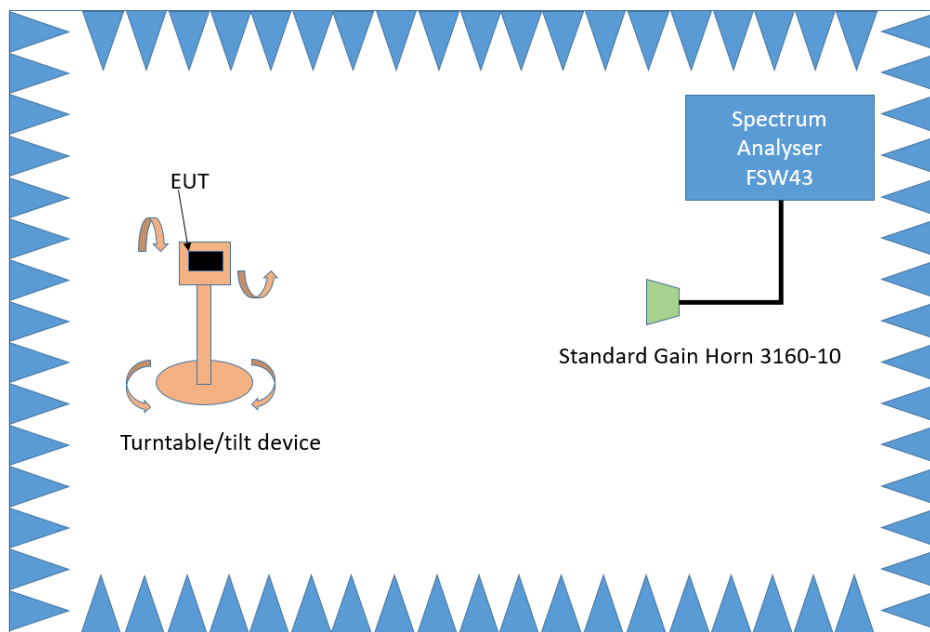
Spectrum analyser settings for step 3:

- Detector: Peak / Average
- Measured frequencies: in step 1 determined frequencies
- IF – Bandwidth: 1 MHz
- Measuring time: 1 s

4. Measurement above 26.5 GHz up to 40 GHz

The following modifications, compared to the frequency range 1 GHz – 26.5 GHz, apply to the measurement procedure for the frequency range above 26.5 GHz:

- Measurement distance: 1m

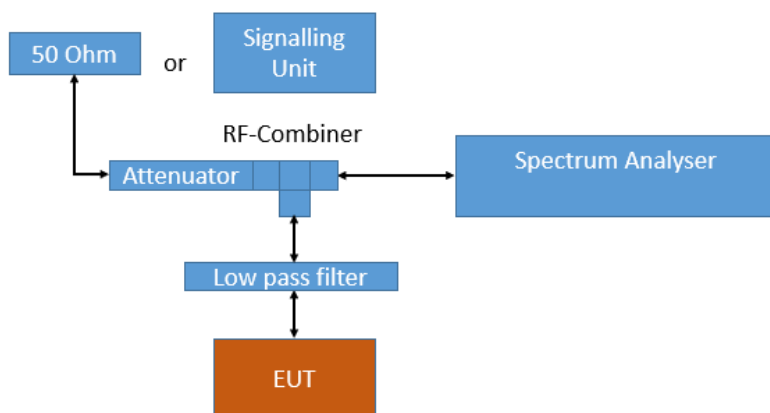


Test Setup; Spurious Emission Radiated (FAC), 26.5 – 40 GHz

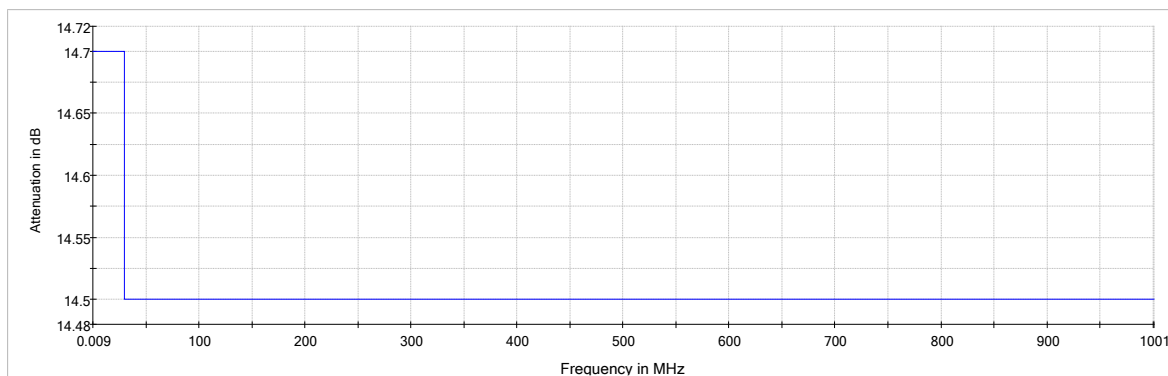
Conducted Measurements at antenna ports:

The Equipment Under Test (EUT) was set up to perform the spurious emissions measurements.

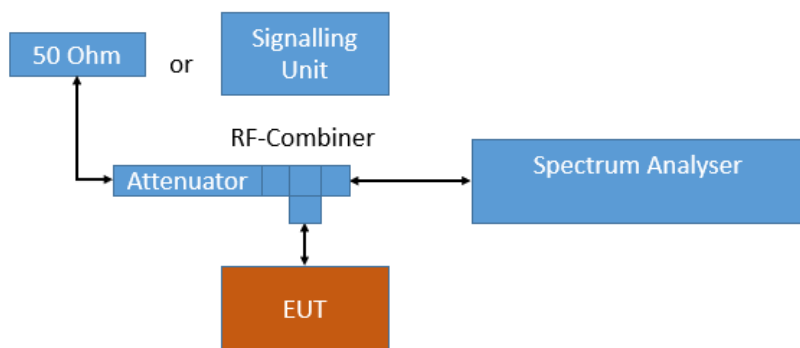
The EUT was connected to the test system as described in the block diagram below. The complete attenuation of the measurement path is known and considered.



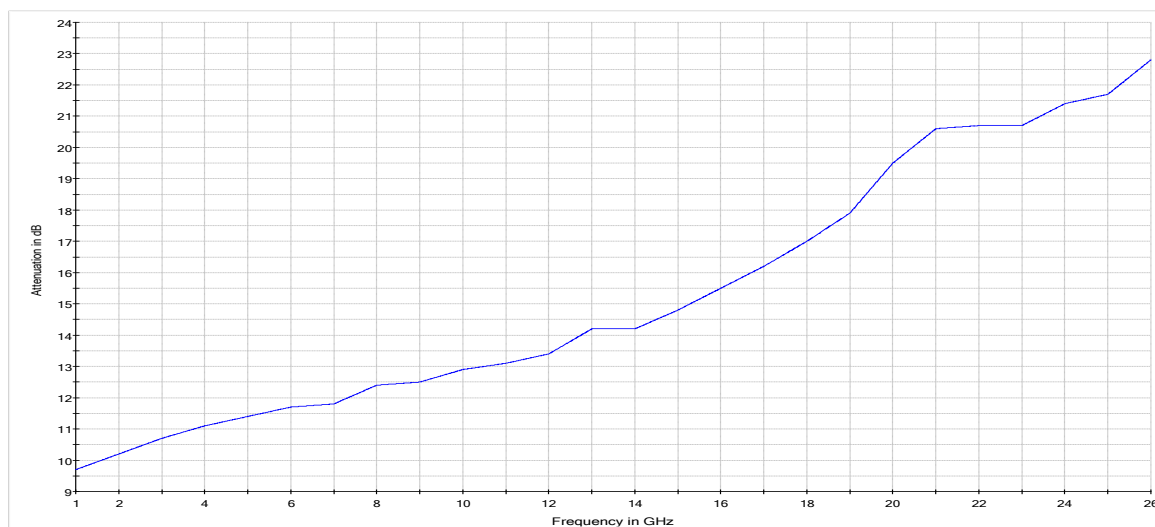
Measurement <1GHz: Path Attenuation Transducer DUT1_3dB_UFLx_TP2000



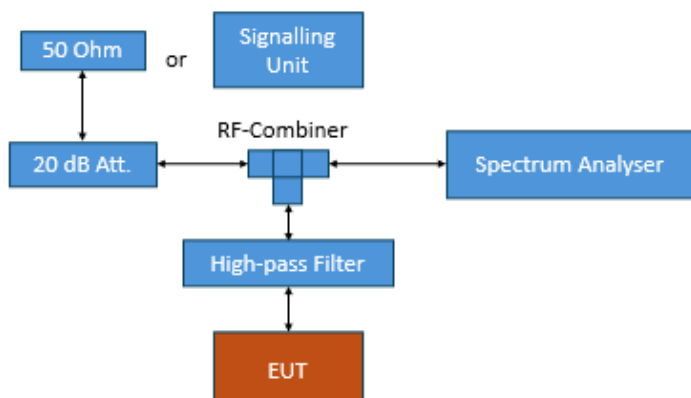
Transducer DUT1_3dB_UFLx_TP2000



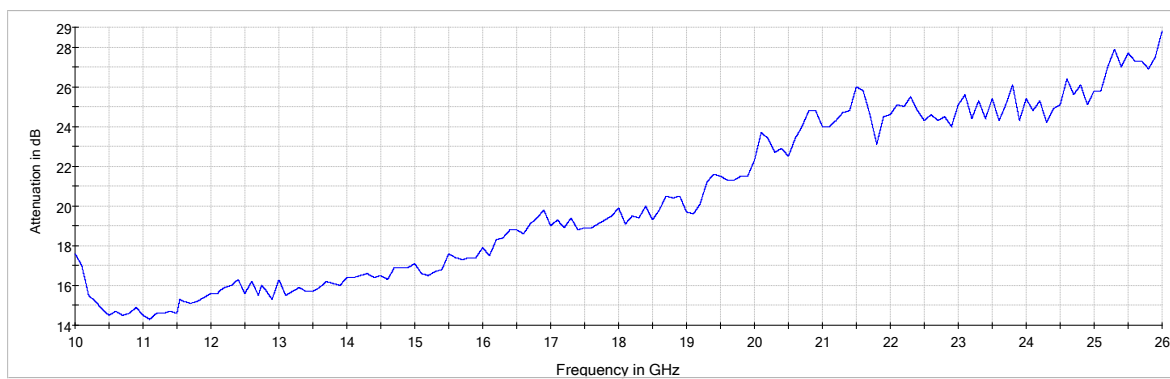
Measurement 1 – 13.5 GHz: Path Attenuation Transducer DUT1_3dB_UFLx



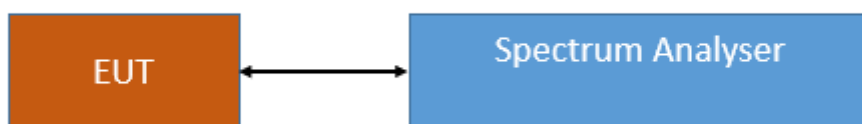
Transducer DUT1_3dB_UFLx



Measurement 13.5 - 26 GHz: Path Attenuation Transducer DUT1_3dB_UFLx_HF11



Transducer DUT1_3dB_UFLx_HF11



Measurement 26 GHz - 40 GHz

Offset for Cable (5.5 dB) + Ufl cable (13.8 dB) + Ant. Gain = 24.6 dB (5 GHz)
25.1 dB (6GHz)

Analyser settings:

- Frequency range: 0.009 – 30 MHz
- Resolution Bandwidth (RBW): 10 kHz
- Video Bandwidth (VBW): 30 kHz
- Trace: Maxhold
- Sweeps: see plots
- Sweep Time: coupled
- Detector: Peak

- Frequency range: 30 – 1000 MHz
- Resolution Bandwidth (RBW): 100 kHz
- Video Bandwidth (VBW): 300 kHz
- Trace: Maxhold
- Sweeps: see plots
- Sweep Time: coupled
- Detector: Peak

- Frequency range: 1000 – 26000 MHz
- Resolution Bandwidth (RBW): 1000 kHz
- Video Bandwidth (VBW): 3000 kHz
- Trace: Maxhold, Average Power
- Sweeps: see plots
- Sweep Time: coupled
- Detector: Peak, RMS

- Frequency range: 26000 – 40000 MHz
- Resolution Bandwidth (RBW): 1000 kHz
- Video Bandwidth (VBW): 3000 kHz
- Trace: Maxhold, Average Power
- Sweeps: 1000
- Sweep Time: coupled
- Detector: Peak, RMS

For the conducted emissions in restricted bands the Value is measured in dBm and then converted to dB μ V/m as given in KDB 789033:

1. Measure the conducted output power in dBm.
2. Add the maximum antenna gain in dBi. (Included in measurement result by offset)
3. Add the appropriate ground reflection factor (included in measurement result by transducer factor)
 - 6 dB for frequencies $\leq$ 30 MHz;
 - 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and
 - 0 dB for frequencies $>$ 1000 MHz).
4. Convert the resultant EIRP level to an equivalent electric field strength level using the following relationship:
 - $E = \text{EIRP} - 20 \log D + 104.8$
 - Where E is the electric field strength in dB μ V/m,
 - EIRP is the equivalent isotropically radiated power in dBm
 - D is the specified measurement distance in m

Value [dB μ V/m] = Measured value [dBm] (including gain and ground reflection factor) – 20 log D + 104.8

5.6.2 TEST REQUIREMENTS / LIMITS

A) FCC

FCC Part 15 Subpart E, §15.407 (b) (5)

For transmitters operating within the 5.925-7.125 GHz band:

Limit: -27 dBm/MHz EIRP outside of the band 5.925-7.125 GHz.

FCC Part 15 Subpart E, §15.407 (b) (6)

For transmitters operating within the 5.925-7.125 GHz bands:

Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

B) IC

Different frequency bands and limits apply, as compared to the FCC requirements.

RSS-248, 4.6.2

The following unwanted emission limits shall apply:

- a. any emissions outside of the 5925-7125 MHz frequency band shall not exceed -27 dBm/MHz e.i.r.p. spectral density
- b. the e.i.r.p. spectral density of unwanted emissions falling into the 5925-7125 MHz frequency band shall be attenuated below the reference power spectral density by at least:
 - i. 20 dB at 1 MHz away from the channel edges
 - ii. a value, linearly interpolated in a dB scale, between 20 dB and 28 dB at frequencies between 1 MHz outside of channel edges and 1 channel bandwidth away from the operating channel centre, respectively
 - iii. 28 dB at 1 channel bandwidth away from the operating channel centre
 - iv. a value, linearly interpolated in a dB scale, between 28 dB and 40 dB at frequencies between 1 channel bandwidth away from the operating channel centre and 1.5 times the channel bandwidth away from the operating channel centre, respectively
 - v. 40 dB at 1.5 times the channel bandwidth and further away from the operating channel centre

C) FCC & IC

FCC Part 15 Subpart E, §15.405

The provisions of §§ 15.203 and 15.205 are included.

§15.407 (b)(6)

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.

§15.407 (b)(7)

The provisions of §15.205 apply to intentional radiators operating under this section

FCC Part 15, Subpart C, §15.209, Radiated Emission Limits

Frequency in MHz	Limit (µV/m)	Measurement distance (m)	Limits (dBµV/m)
0.009 – 0.49	2400/F(kHz)@300m	3	(48.5 – 13.8)@300m
0.49 – 1.705	24000/F(kHz)@30m	3	(33.8 – 23.0)@30m
1.705 – 30	30@30m	3	29.5@30m

The measured values are corrected with an inverse linear distance extrapolation factor (40 dB/decade) according FCC 15.31 (2).

Frequency in MHz	Limit (µV/m)	Measurement distance (m)	Limits (dBµV/m)
30 – 88	100@3m	3	40.0@3m
88 – 216	150@3m	3	43.5@3m
216 – 960	200@3m	3	46.0@3m
960 - 26000	500@3m	3	54.0@3m
26000 - 40000	500@3m	1	54.0@3m

The measured values above 26 GHz are corrected with an inverse linear distance extrapolation factor (20 dB/decade).

§15.35(b) ..., there is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit....

Used conversion factor:

- $\text{Limit (dBµV/m)} = 20 \log (\text{Limit (µV/m)}/1\mu\text{V/m})$
- $\text{Limit (dBµV/m)} = \text{EIRP [dBm]} - 20 \log (d [\text{m}]) + 104.8$

Limit types (in result tables):

RB – Emissions falls into a “Restricted Band” according FCC §§15.205 and 15.209 *)

UE – “Undesirable Emission Limit” according FCC §15.407

BE-RB – Band Edge Limit basing on “Restricted Band Limits”

BE-UE – Band Edge Limit basing on “Undesirable Emission Limit”

*) Below 1 GHz the limits of §15.209 are applied for all frequencies.

5.6.3 TEST PROTOCOL

Ambient temperature: 22 - 27 °C
 Air Pressure: 1001 - 1015 hPa
 Humidity: 39 - 56 %

WLAN ax-Mode; 20 MHz; MCS 10; SISO
 Applied duty cycle correction (AV): 0 dB

Measurement Method	Ch. Center Freq. [MHz]	Spurious Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin [dB]	Limit Type
Conducted Path A / B	5955	-	-	-	-	-	-	-
Conducted Path A / B	6175	-	-	-	-	-	-	-
Conducted Path A / B	6415	-	-	-	-	-	-	-
Conducted Path A / B	6435	-	-	-	-	-	-	-
Conducted Path A / B	6475	-	-	-	-	-	-	-
Conducted Path A / B	6515	-	-	-	-	-	-	-
Conducted Path A / B	6535	-	-	-	-	-	-	-
Conducted Path A / B	6695	-	-	-	-	-	-	-
Conducted Path A	6855	4569.9	47.7	PEAK	1000	74.0	26.3	RB
Conducted Path A	6855	4569.9	40.3	AV	1000	54.0	13.7	RB
Conducted Path B	6855	-	-	-	-	-	-	-
Conducted Path A	6895	4596.9	46.9	PEAK	1000	74.0	27.1	RB
Conducted Path A	6895	4596.9	40.5	AV	1000	54.0	13.5	RB
Conducted Path B	6895	-	-	-	-	-	-	-
Conducted Path A	6995	4663.3	46.9	PEAK	1000	74.0	27.1	RB
Conducted Path A	6995	4663.3	40.8	AV	1000	54.0	13.2	RB
Conducted Path B	6995	-	-	-	-	-	-	-
Conducted Path A	7115	4743.4	47.2	PEAK	1000	74.0	26.8	RB
Conducted Path A	7115	4743.4	40.4	AV	1000	54.0	13.6	RB
Conducted Path B	7115	-	-	-	-	-	-	-

WLAN ax-Mode; 40 MHz; MCS 10; SISO
 Applied duty cycle correction (AV): 0.1 dB

Measurement Method	Ch. Center Freq. [MHz]	Spurious Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin [dB]	Limit Type
Conducted Path A / B	5965	-	-	-	-	-	-	-
Conducted Path A / B	6165	-	-	-	-	-	-	-
Conducted Path A / B	6405	-	-	-	-	-	-	-
Conducted Path A / B	6445	-	-	-	-	-	-	-
Conducted Path A / B	6485	-	-	-	-	-	-	-
Conducted Path A / B	6525	-	-	-	-	-	-	-
Conducted Path A / B	6565	-	-	-	-	-	-	-
Conducted Path A / B	6725	-	-	-	-	-	-	-
Conducted Path A	6845	4563.3	46.7	PEAK	1000	74.0	27.3	RB
Conducted Path A	6845	4563.3	40.4	AV	1000	54.0	13.6	RB
Conducted Path B	6845	-	-	-	-	-	-	-
Conducted Path A	6925	4616.8	46.9	PEAK	1000	74.0	27.2	RB
Conducted Path A	6925	4616.8	40.7	AV	1000	54.0	13.4	RB
Conducted Path B	6925	-	-	-	-	-	-	-
Conducted Path A	7005	4669.9	47.3	PEAK	1000	74.0	26.7	RB
Conducted Path A	7005	4669.9	41.1	AV	1000	54.0	12.9	RB
Conducted Path B	7005	-	-	-	-	-	-	-
Conducted Path A	7085	4723.4	48.3	PEAK	1000	74.0	25.7	RB
Conducted Path A	7085	4723.4	41.2	AV	1000	54.0	12.8	RB
Conducted Path B	7085	-	-	-	-	-	-	-

WLAN ax-Mode; 80 MHz; MCS 10; SISO

Applied duty cycle correction (AV): 0 dB

Measurement Method	Ch. Center Freq. [MHz]	Spurious Freq. [MHz]	Spurious Level [dBμV/m]	Detector	RBW [kHz]	Limit [dBμV/m]	Margin [dB]	Limit Type
Conducted Path A / B	5985	-	-	-	-	-	-	-
Conducted Path A / B	6145	-	-	-	-	-	-	-
Conducted Path A	6385	4256.6	46.7	PEAK	1000	74.0	27.3	RB
Conducted Path A	6385	4256.6	39.3	AV	1000	54.0	14.7	RB
Conducted Path B	6385	-	-	-	-	-	-	-
Conducted Path A	6465	4310.2	47.1	PEAK	1000	74.0	26.9	RB
Conducted Path A	6465	4310.2	39.3	AV	1000	54.0	14.7	RB
Conducted Path B	6465	-	-	-	-	-	-	-
Conducted Path A	6545	4363.3	47.0	PEAK	1000	74.0	27.1	RB
Conducted Path A	6545	4363.3	39.8	AV	1000	54.0	14.2	RB
Conducted Path B	6545	-	-	-	-	-	-	-
Conducted Path A / B	6625	-	-	-	-	-	-	-
Conducted Path A / B	6705	-	-	-	-	-	-	-
Conducted Path A	6785	4523.4	48.1	PEAK	1000	74.0	25.9	RB
Conducted Path A	6785	4523.4	41.2	AV	1000	54.0	12.8	RB
Conducted Path B	6785	-	-	-	-	-	-	-
Conducted Path A	6945	4630.1	47.8	PEAK	1000	74.0	26.2	RB
Conducted Path A	6945	4630.1	41.7	AV	1000	54.0	12.3	RB
Conducted Path B	6945	-	-	-	-	-	-	-
Conducted Path A	7025	4683.2	47.1	PEAK	1000	74.0	26.9	RB
Conducted Path A	7025	4683.2	42.1	AV	1000	54.0	11.9	RB
Conducted Path B	7025	-	-	-	-	-	-	-
Radiated Path A	5985	23940.2	57.2	PEAK	1000	74.0	16.8	RB
Radiated Path A	5985	23940.2	51.1	AV	1000	54.0	2.9	RB
Radiated Path A	6145	24580.2	57.8	PEAK	1000	88.2	30.4	UE

Radiated Path A	6145	24580.2	51.7	AV	1000	68.2	16.5	UE
Radiated Path A	6385	-	-	-	-	-	-	-
Radiated Path A	6465	-	-	-	-	-	-	-
Radiated Path A	6545	-	-	-	-	-	-	-
Radiated Path A	6625	-	-	-	-	-	-	-
Radiated Path A	6705	26820.0	58.2	PEAK	1000	88.2	30.0	UE
Radiated Path A	6705	26820.0	54.6	AV	1000	68.2	13.6	UE
Radiated Path A	6785	-	-	-	-	-	-	-
Radiated Path A	6945	-	-	-	-	-	-	-
Radiated Path A	7025	28100.0	53.5	PEAK	1000	88.2	34.7	UE
Radiated Path A	7025	28100.0	47.1	AV	1000	68.2	21.1	UE

Remark: Radiated Measurements were performed with 50 Oh termination at the antenna ports.

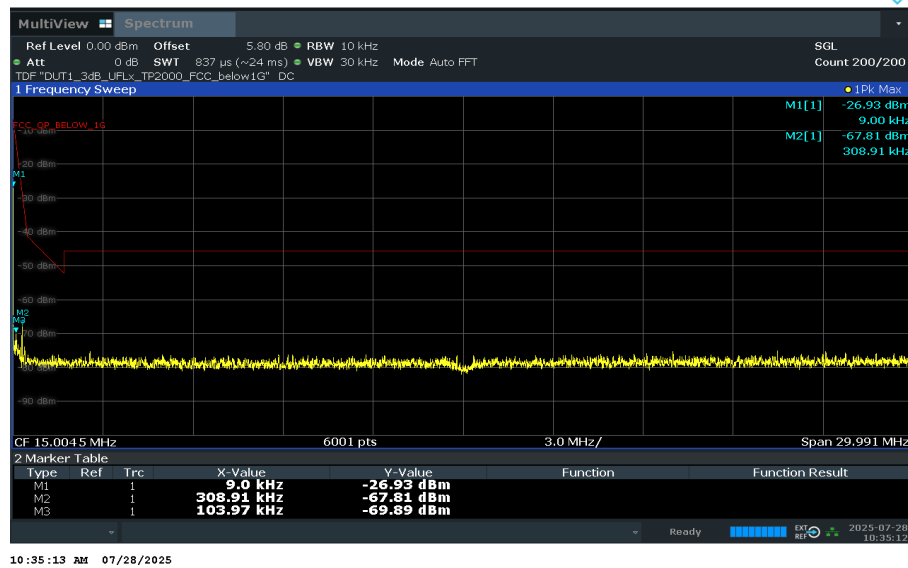
When no clear peaks were found in the plots, the tested frequencies are given with "-" instead of values in the table above.

For details, please see the plots in next sub-clause.

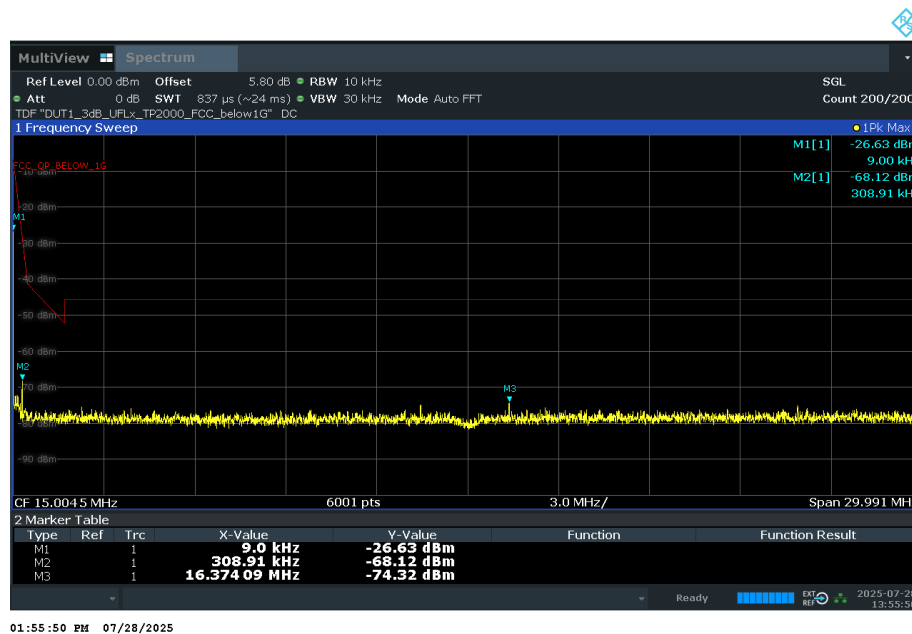
5.6.4 MEASUREMENT PLOT (EXAMPLE PLOT, SHOWING WORST CASE, IF APPLICABLE)

Conducted Measurements

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range = 9kHz - 30MHz, Subband = U-NII-5 (S01_AC01)

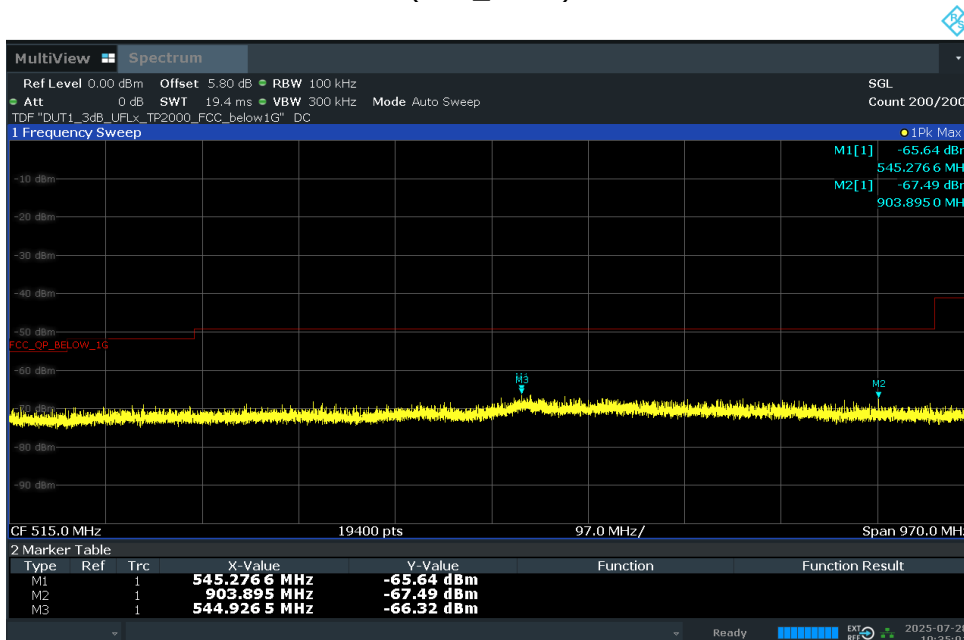


Port A



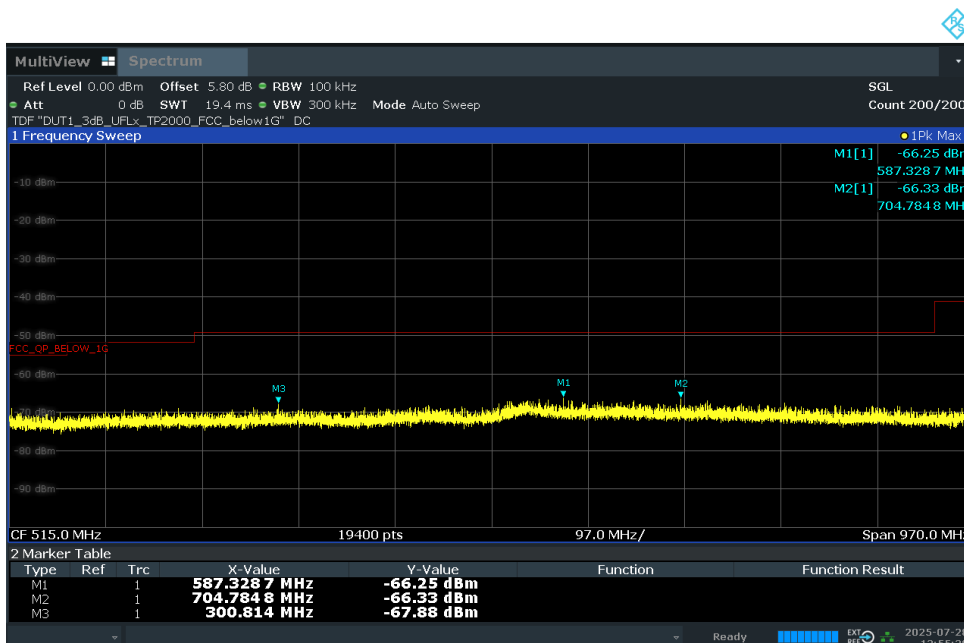
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
30MHz - 1GHz, Subband = U-NII-5
(S01_AC01)



10:35:02 AM 07/28/2025

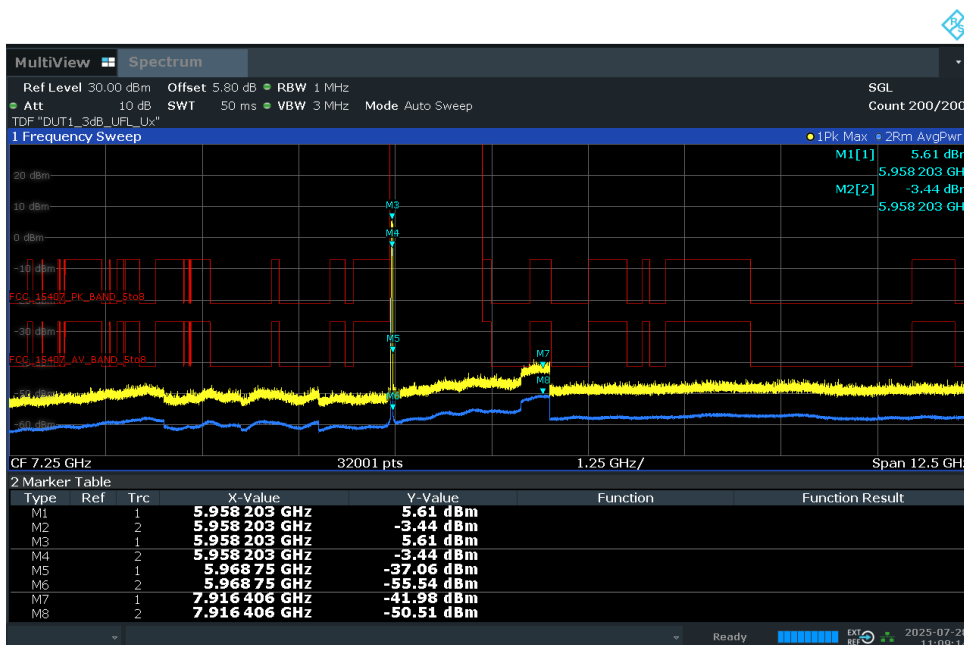
Port A



01:55:39 PM 07/28/2025

Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range = 1GHz - 26GHz, Subband = U-NII-5 (S01_AC01)

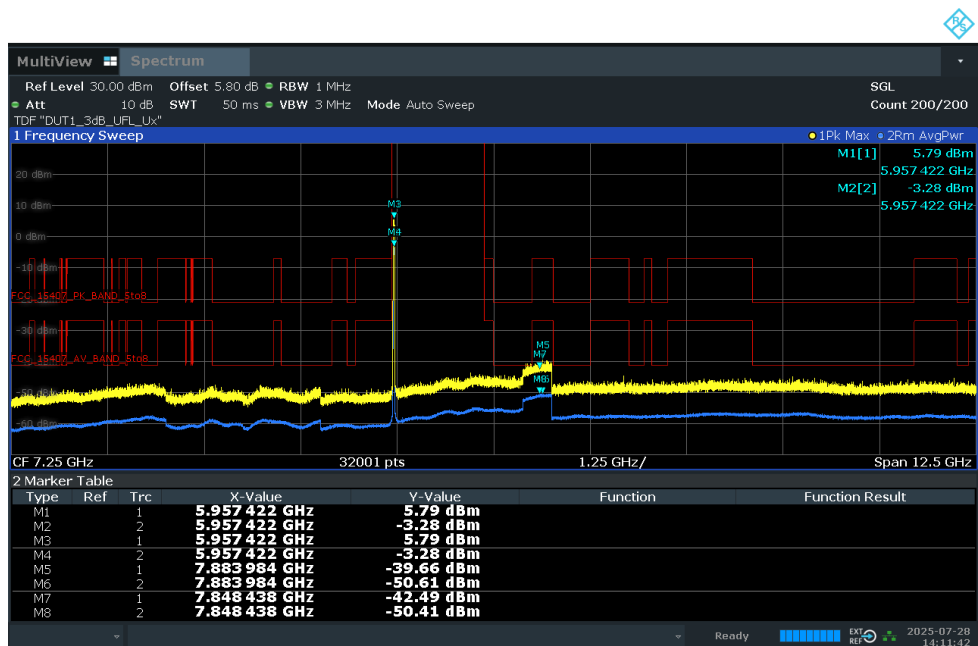


11:09:14 AM 07/28/2025

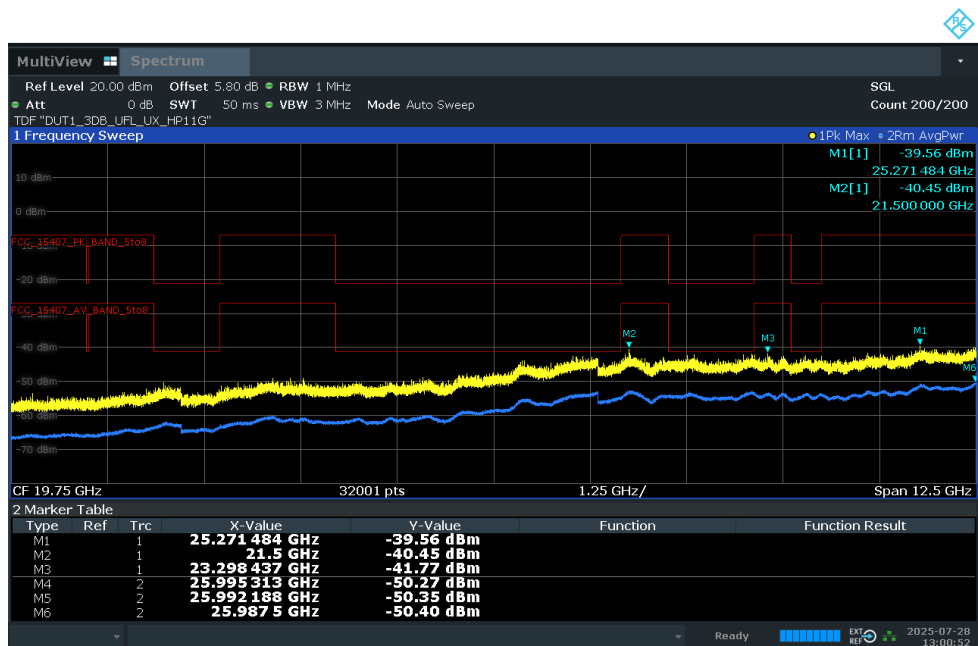


12:09:31 PM 07/28/2025

Port A



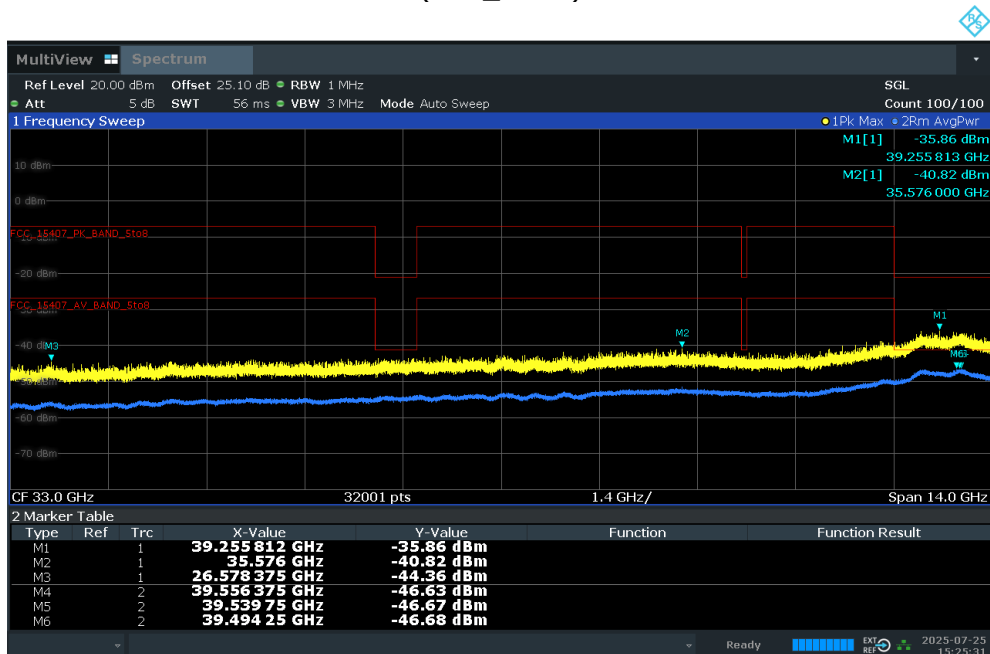
02:11:43 PM 07/28/2025



01:00:52 PM 07/28/2025

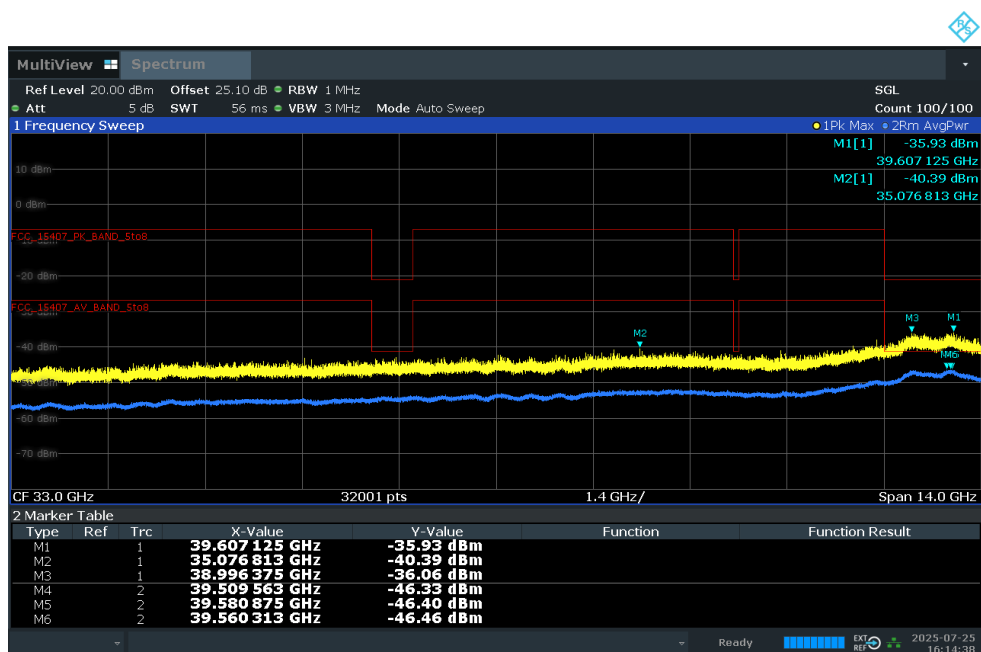
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
26GHz - 40GHz, Subband = U-NII-5
(S01_AC01)



03:25:32 PM 07/25/2025

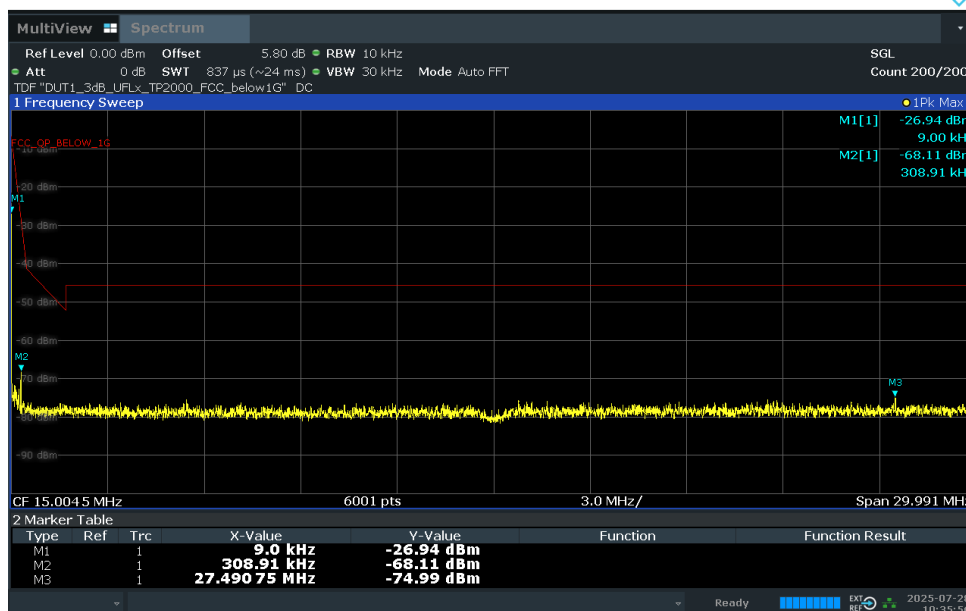
Port A



04:14:38 PM 07/25/2025

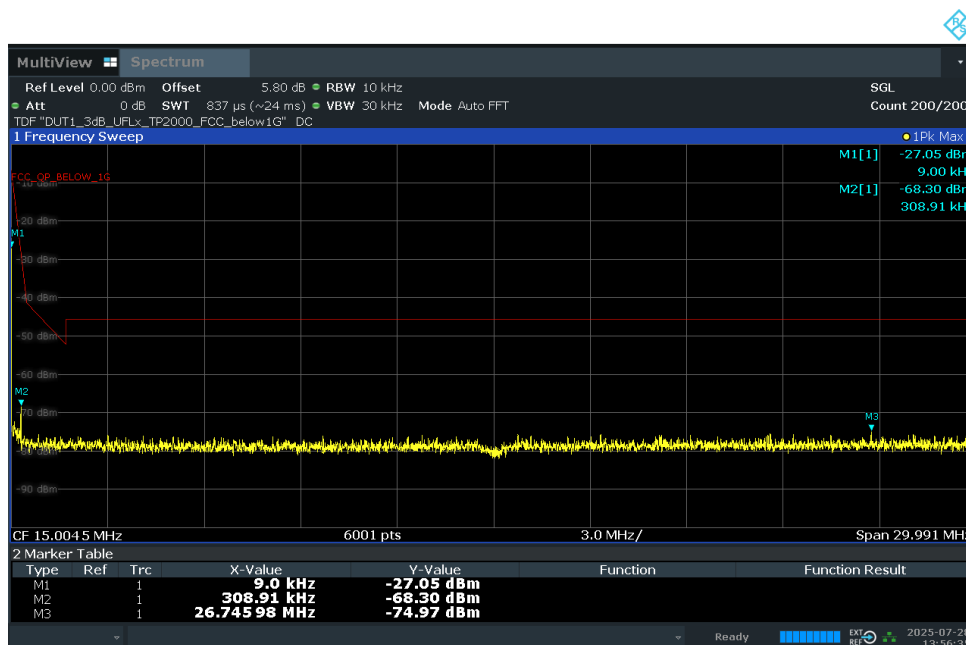
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 9kHz - 30MHz, Subband = U-NII-5 (S01_AC01)



10:35:57 AM 07/28/2025

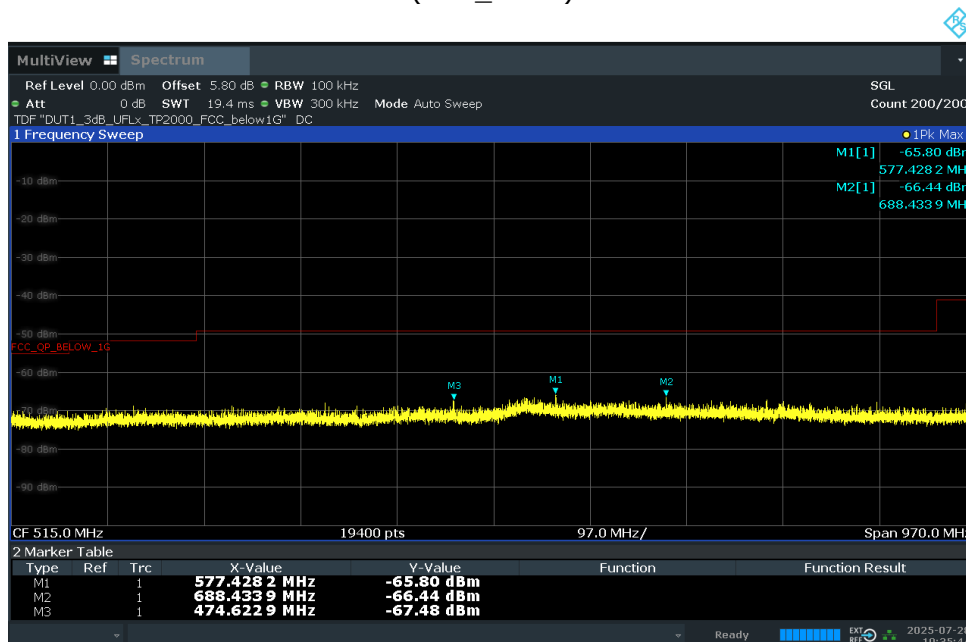
Port A



01:56:36 PM 07/28/2025

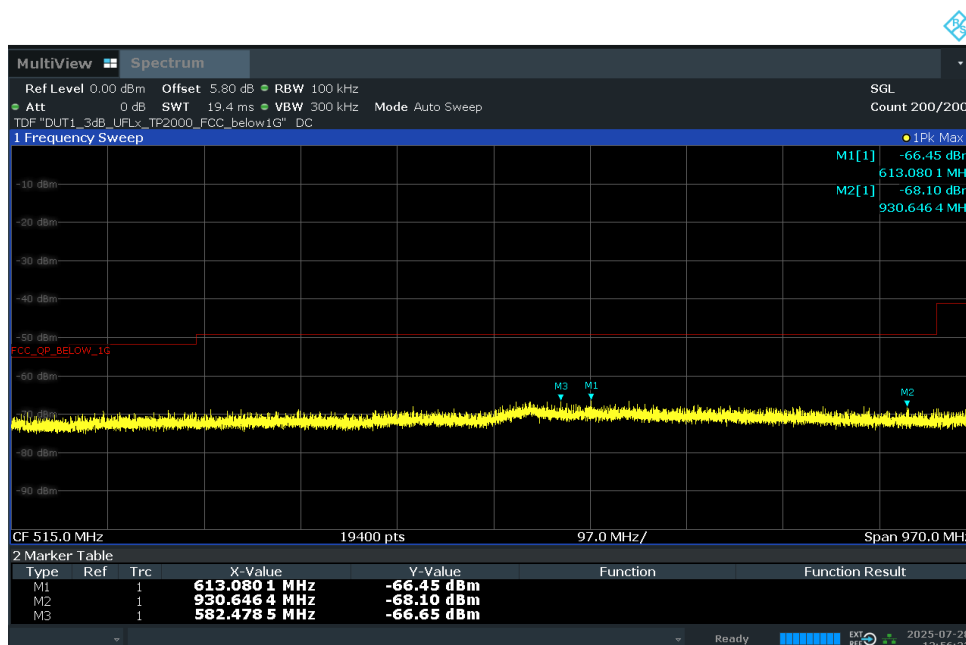
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 30MHz - 1GHz, Subband = U-NII-5 (S01_AC01)



10:35:45 AM 07/28/2025

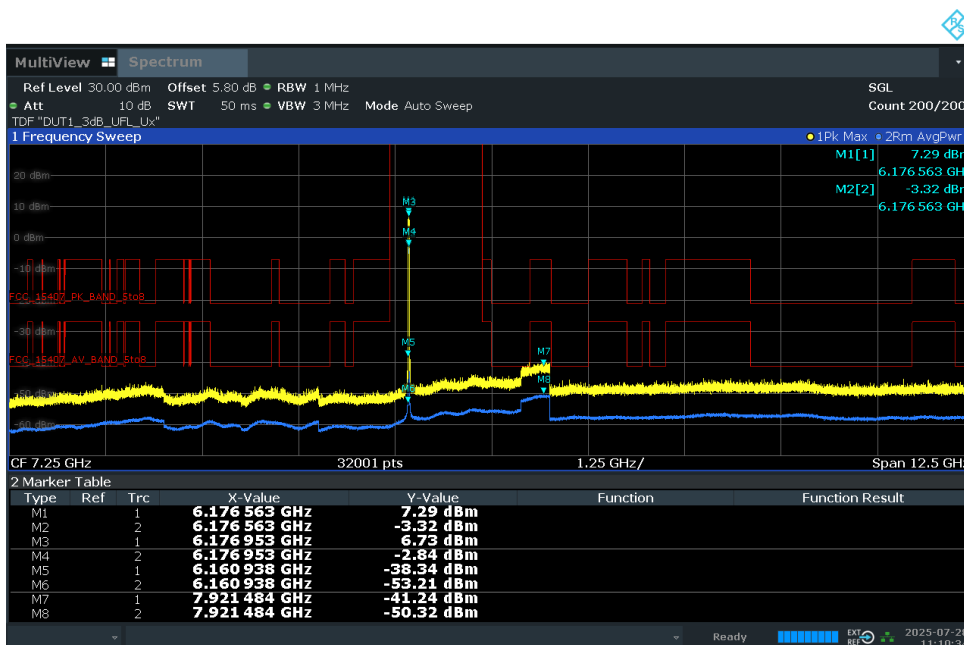
Port A



01:56:23 PM 07/28/2025

Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 1GHz - 26GHz, Subband = U-NII-5 (S01_AC01)

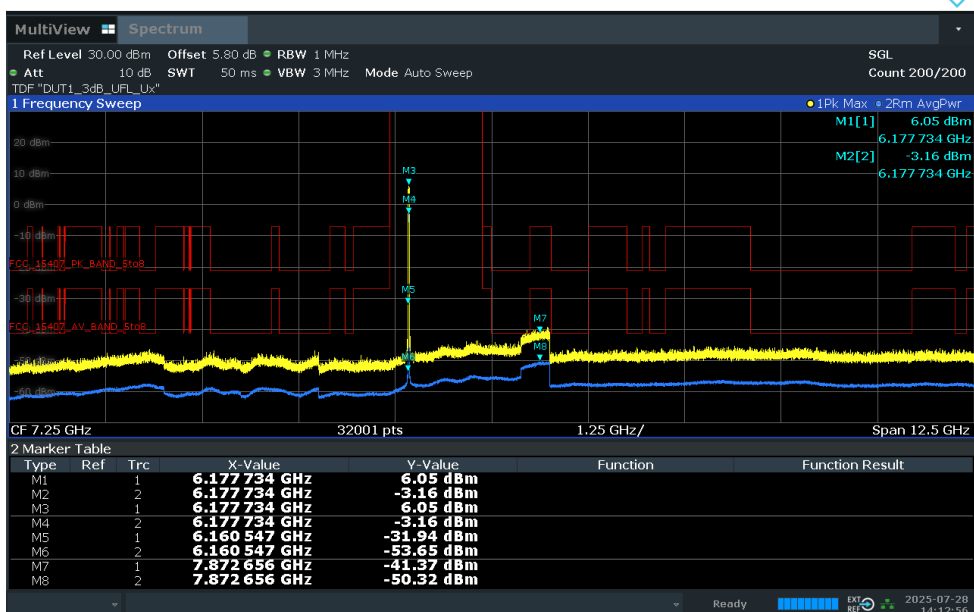


11:10:35 AM 07/28/2025

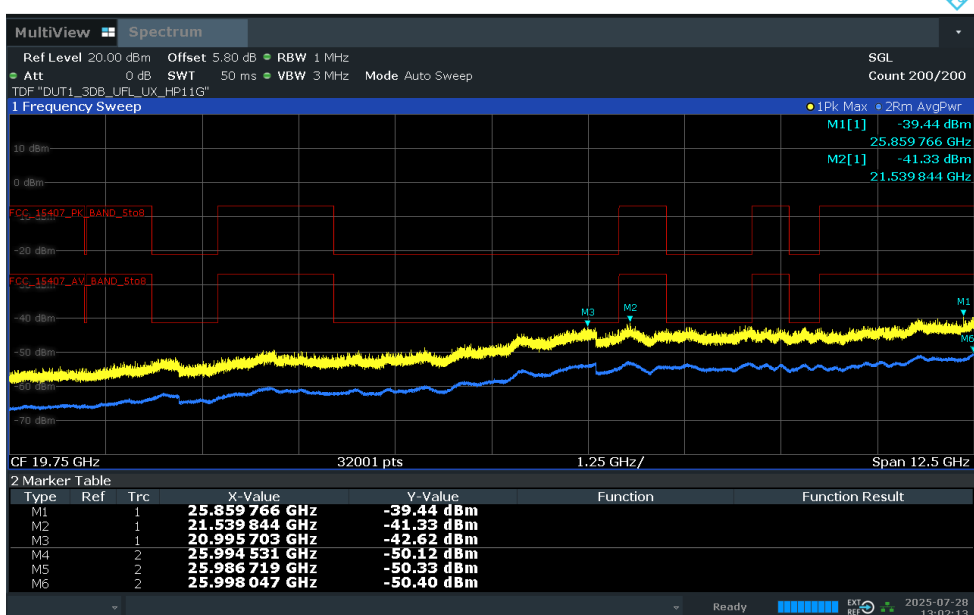


12:10:52 PM 07/28/2025

Port A



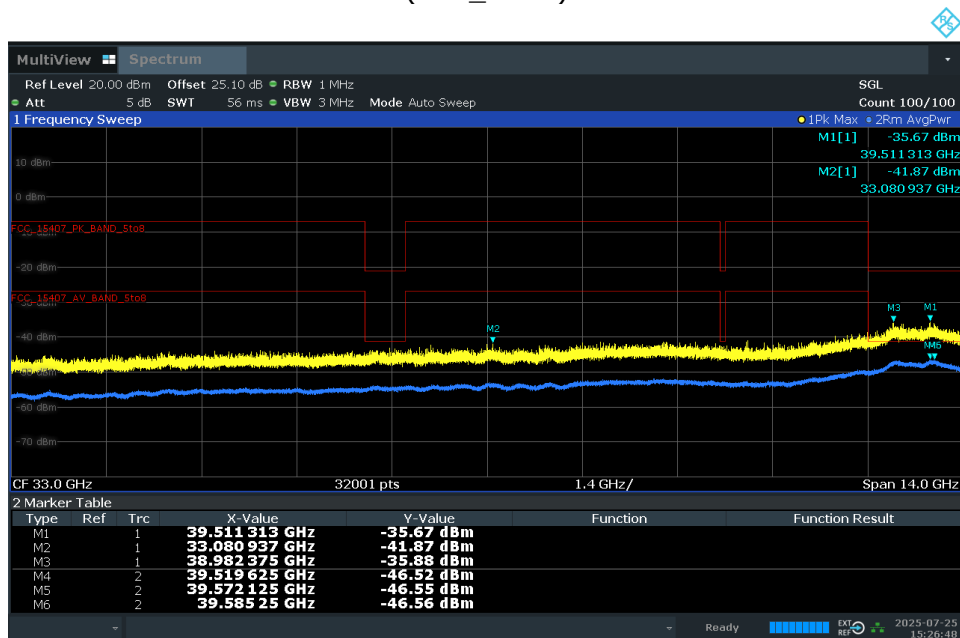
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01:02:14 PM 07/28/2025

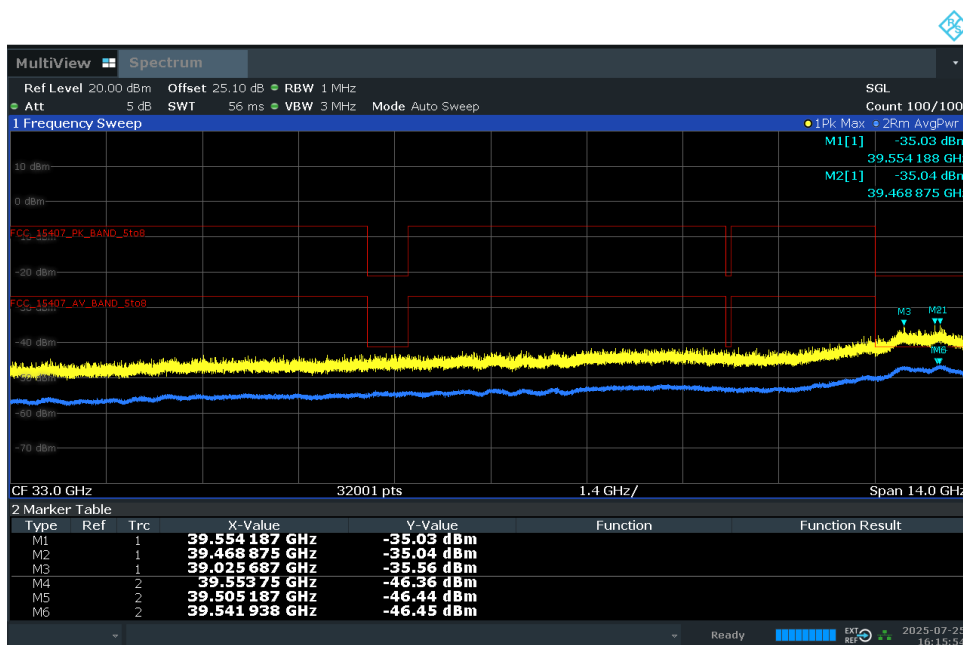
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 26GHz - 40GHz, Subband = U-NII-5 (S01_AC01)



03:26:48 PM 07/25/2025

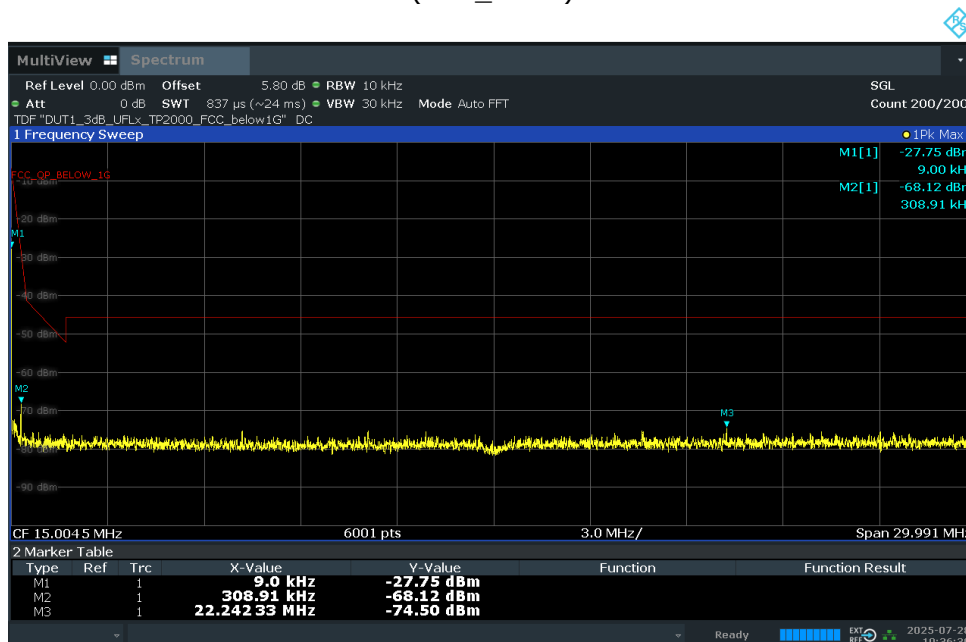
Port A



04:15:54 PM 07/25/2025

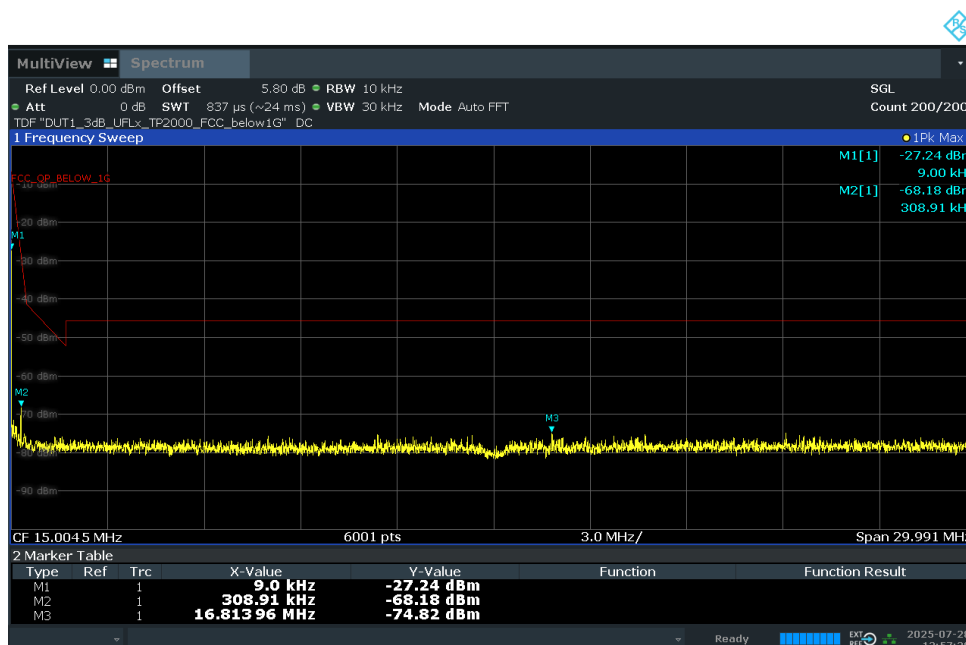
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range = 9kHz - 30MHz, Subband = U-NII-5 (S01_AC01)



10:36:40 AM 07/28/2025

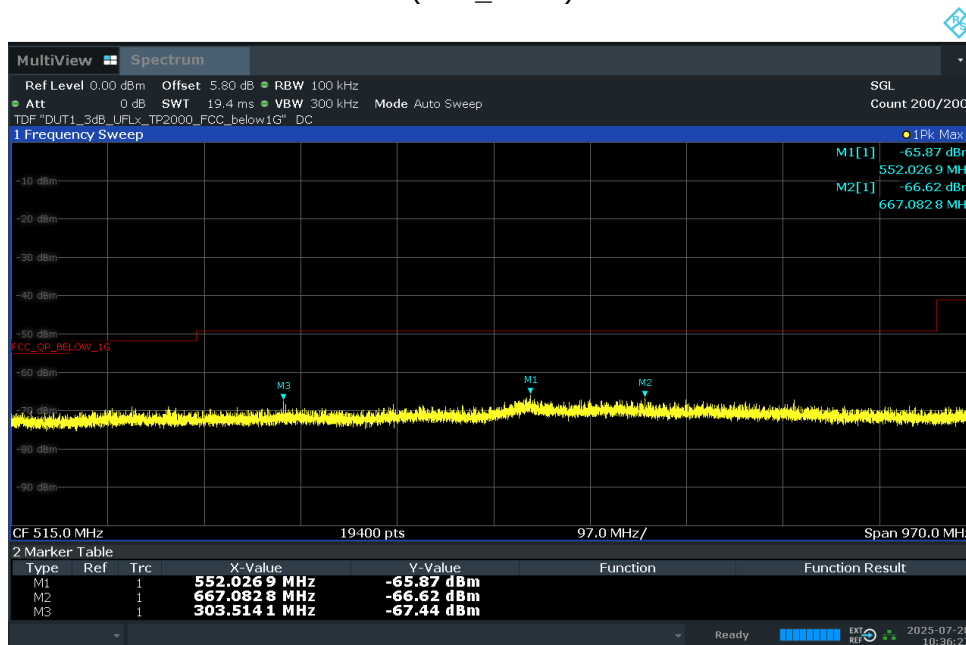
Port A



01:57:21 PM 07/28/2025

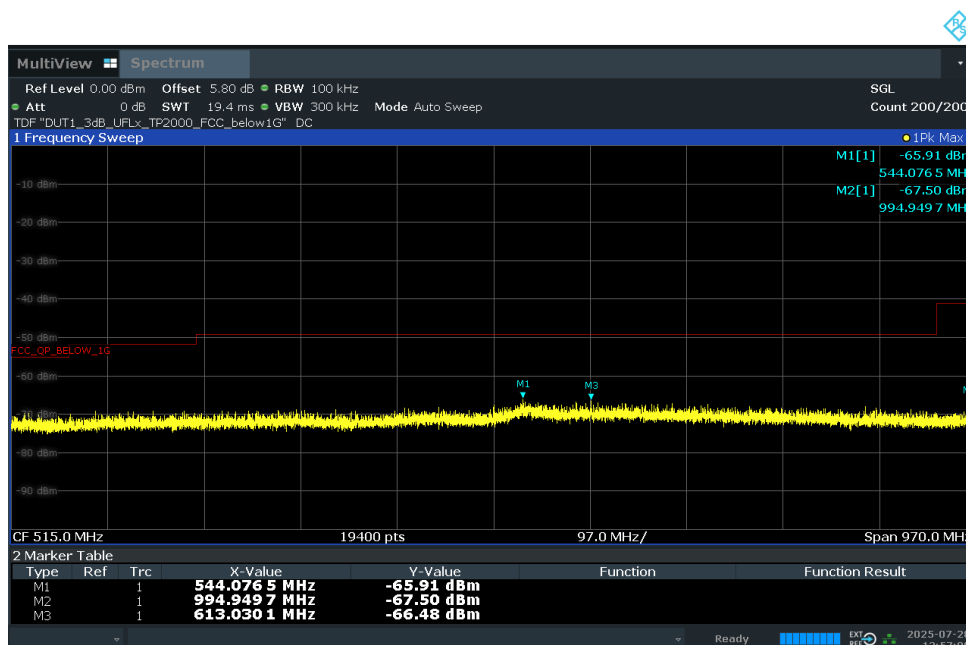
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
30MHz - 1GHz, Subband = U-NII-5
(S01_AC01)



10:36:28 AM 07/28/2025

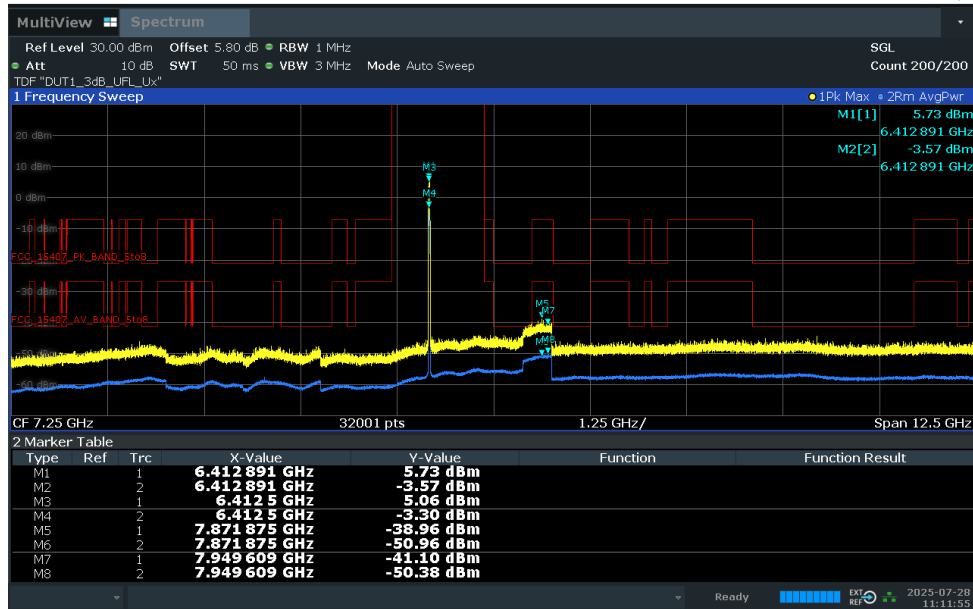
Port A



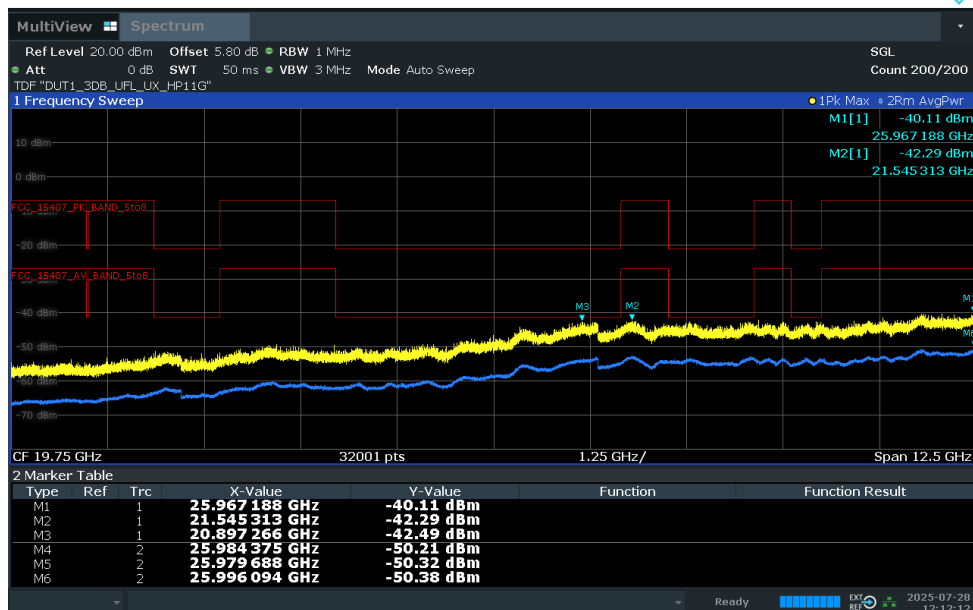
01:57:09 PM 07/28/2025

Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range = 1GHz - 26GHz, Subband = U-NII-5 (S01_AC01)

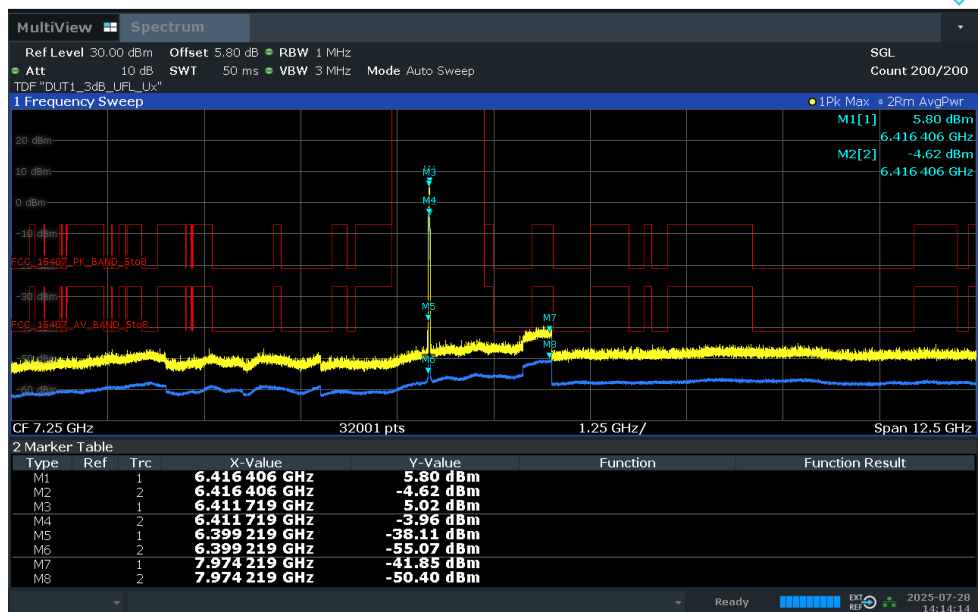


11:11:56 AM 07/28/2025

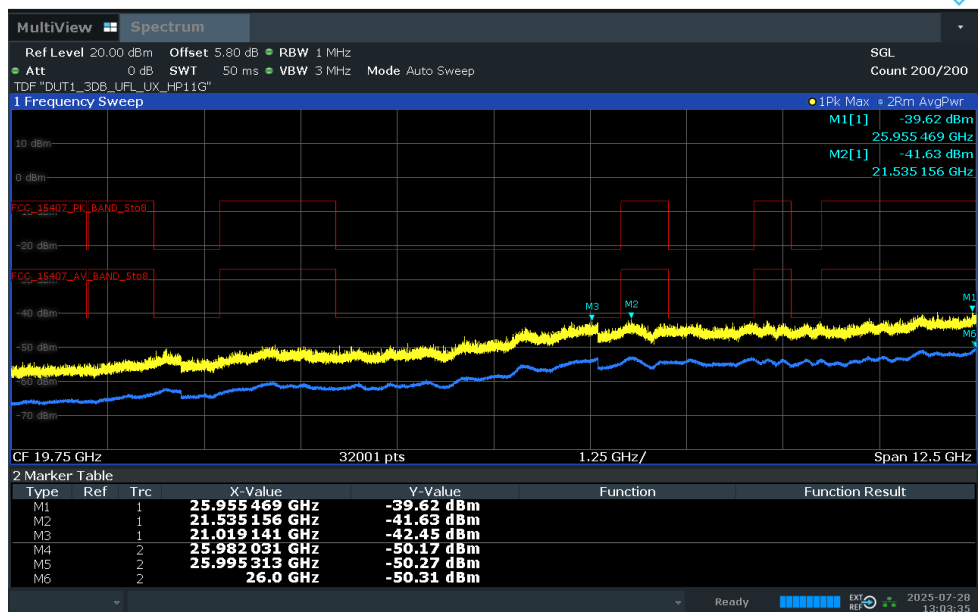


12:12:13 PM 07/28/2025

Port A



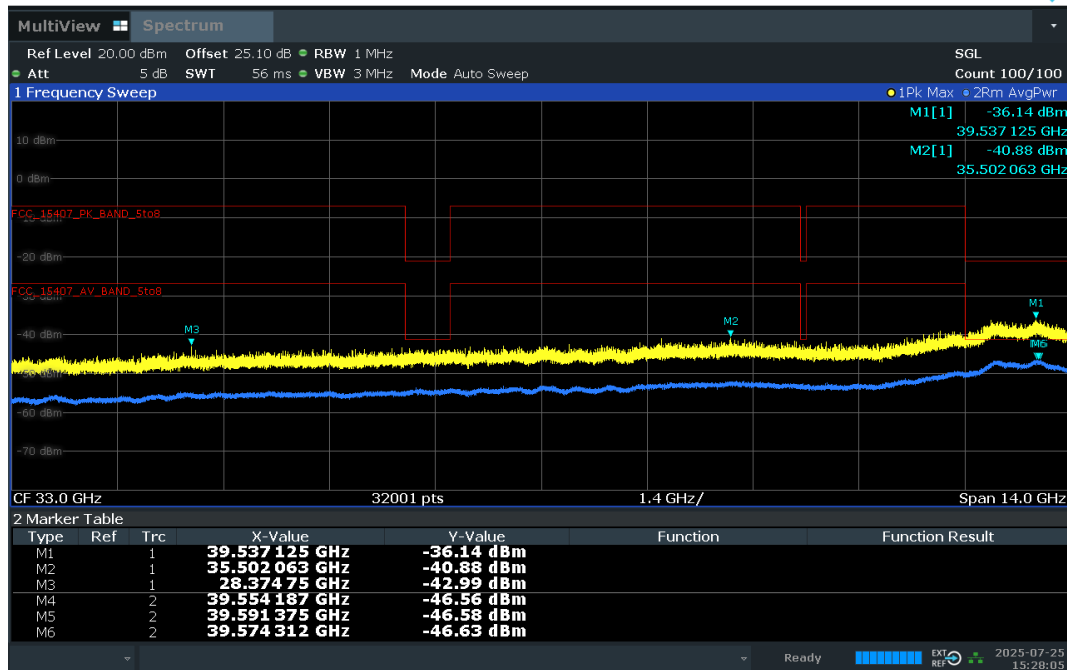
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01:03:35 PM 07/28/2025

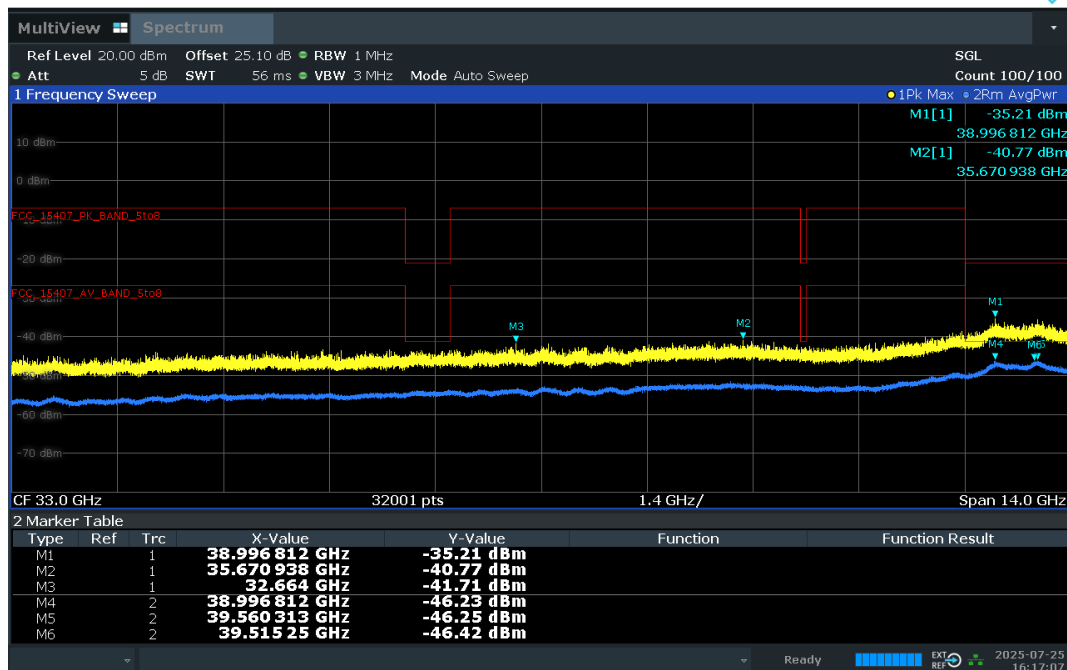
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = high, Measurement range =
26GHz - 40GHz, Subband = U-NII-5
(S01_AC01)



03:28:05 PM 07/25/2025

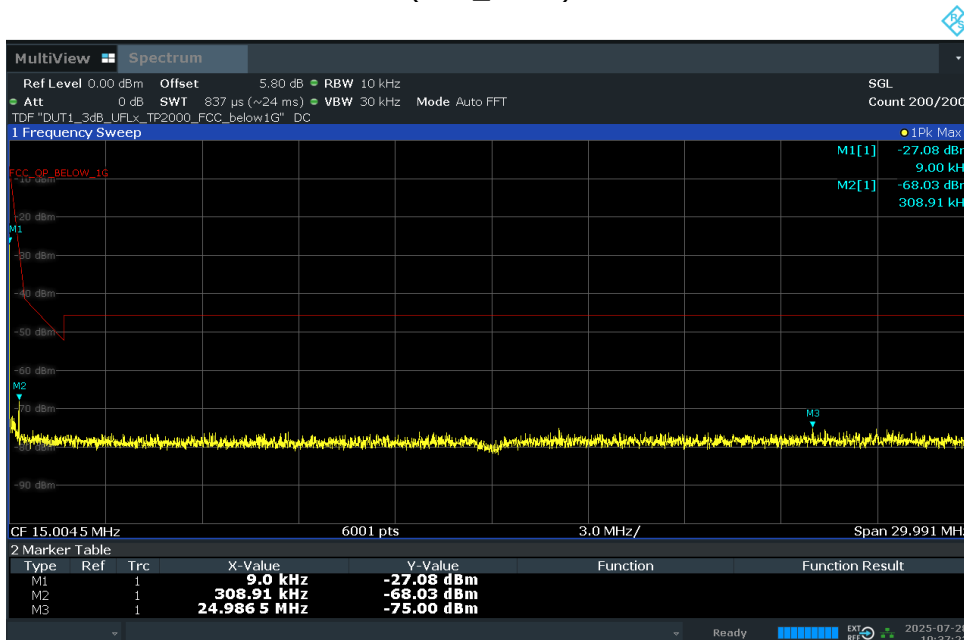
Port A



04:17:08 PM 07/25/2025

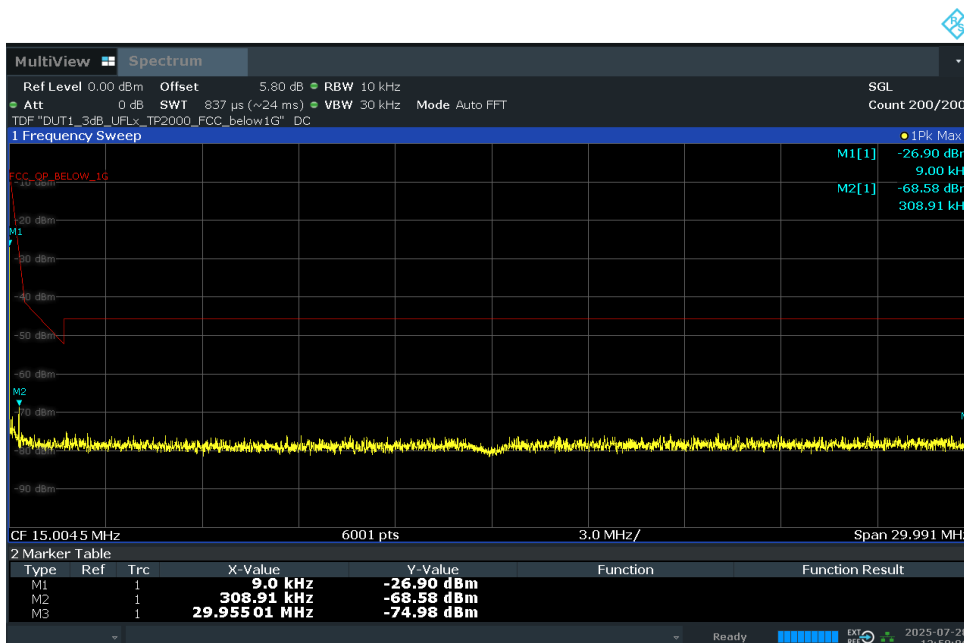
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
9kHz - 30MHz, Subband = U-NII-6
(S01_AC01)



10:37:24 AM 07/28/2025

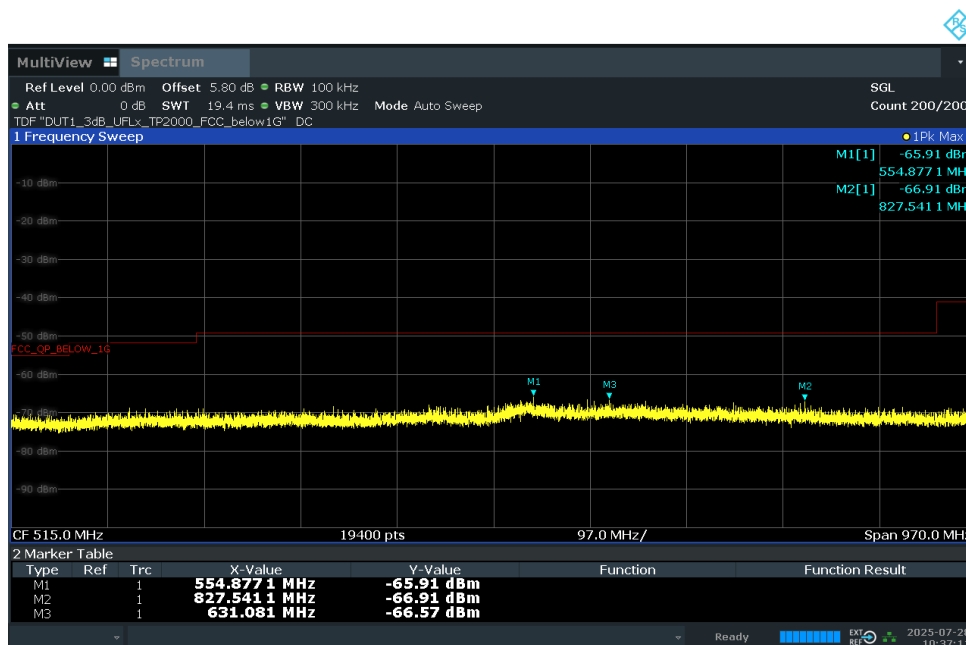
Port A



01:58:06 PM 07/28/2025

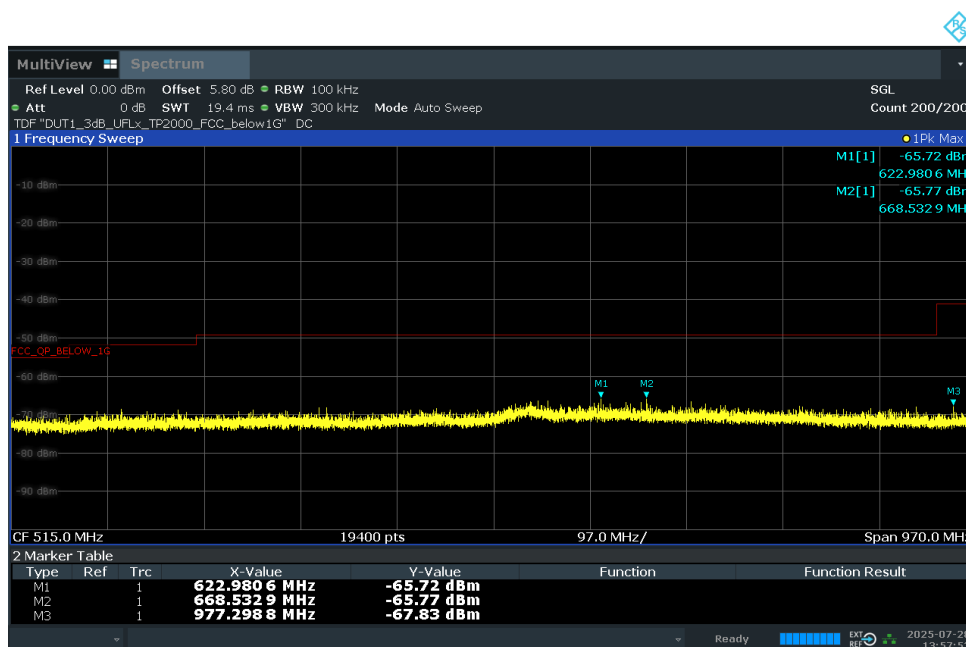
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range = 30MHz - 1GHz, Subband = U-NII-6 (S01_AC01)



10:37:12 AM 07/28/2025

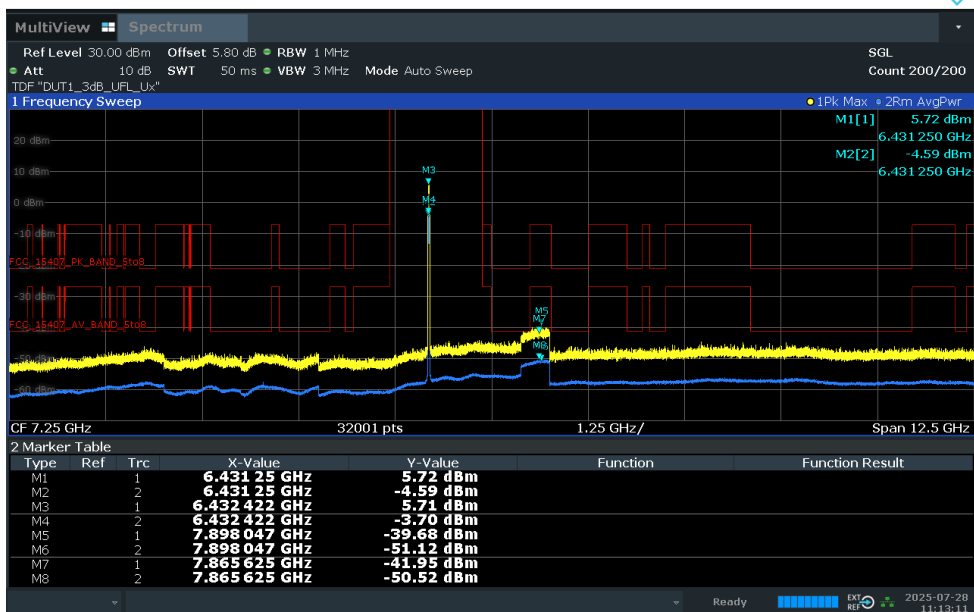
Port A



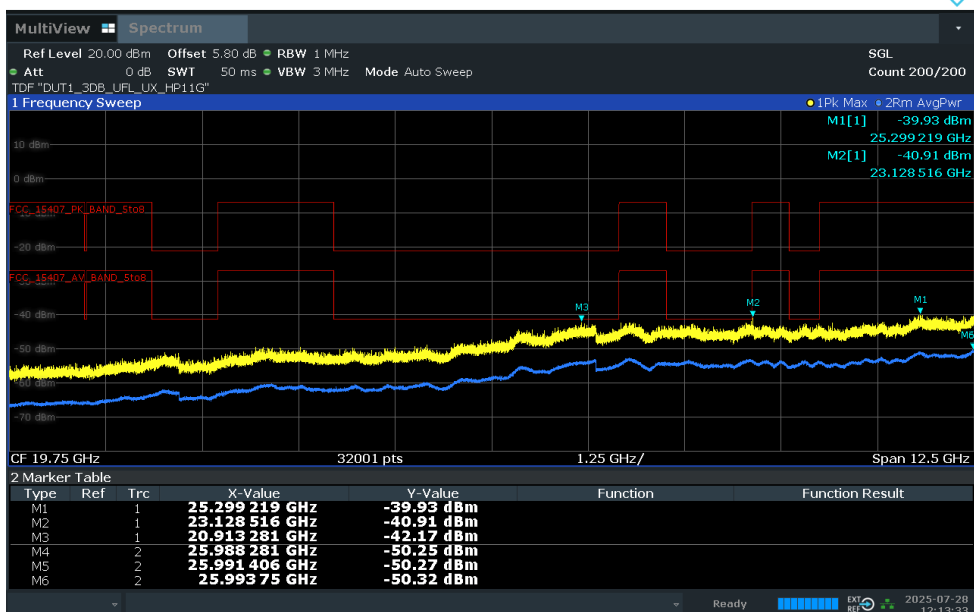
01:57:54 PM 07/28/2025

Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range = 1GHz - 26GHz, Subband = U-NII-6 (S01_AC01)

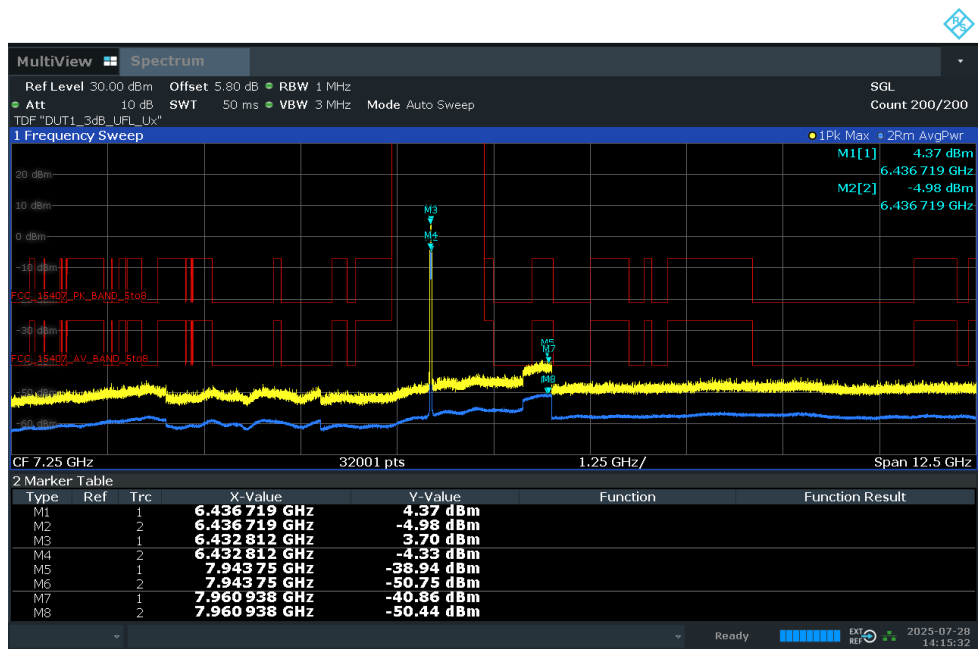


11:13:12 AM 07/28/2025

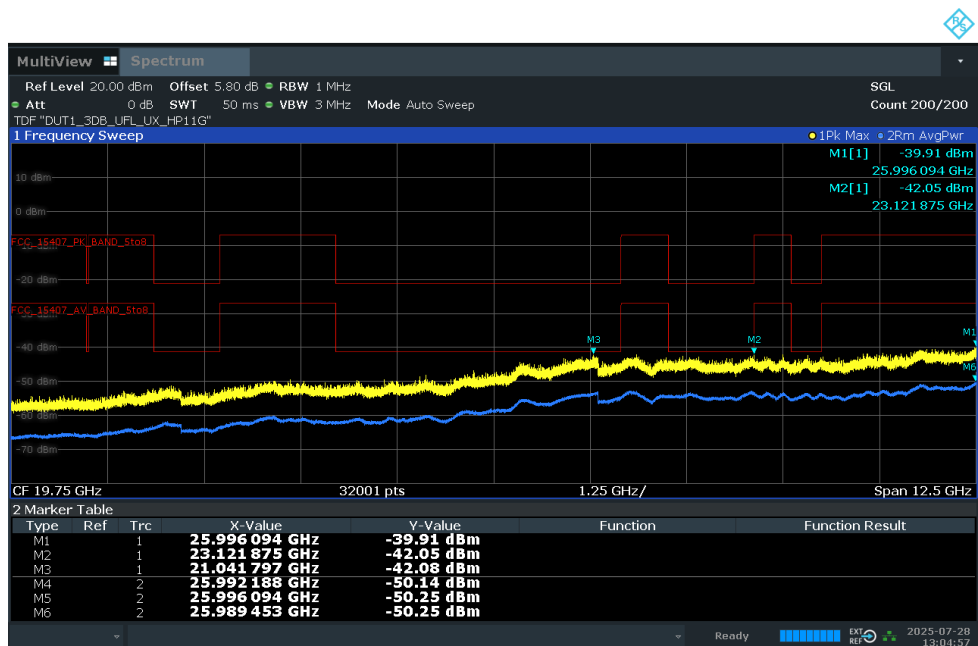


12:13:34 PM 07/28/2025

Port A



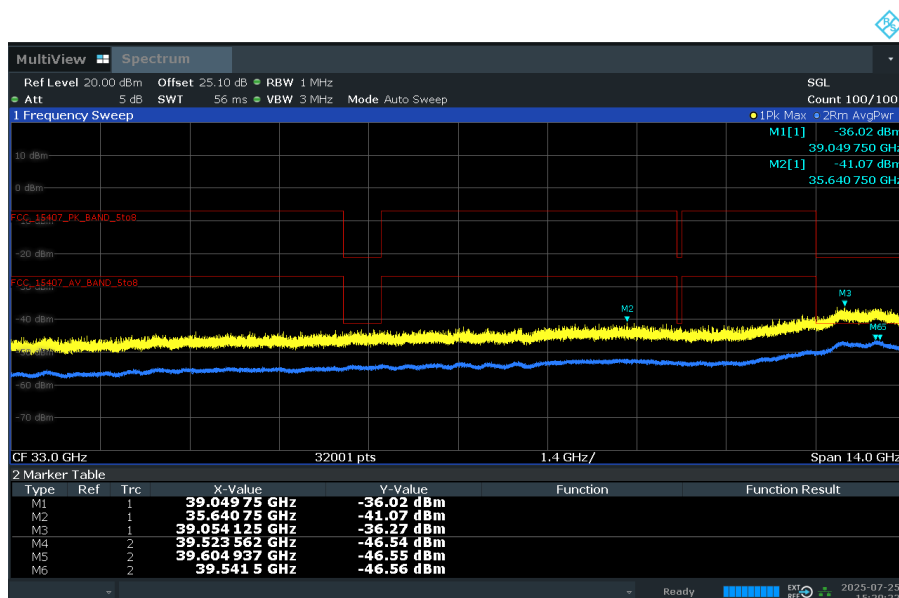
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01:04:57 PM 07/28/2025

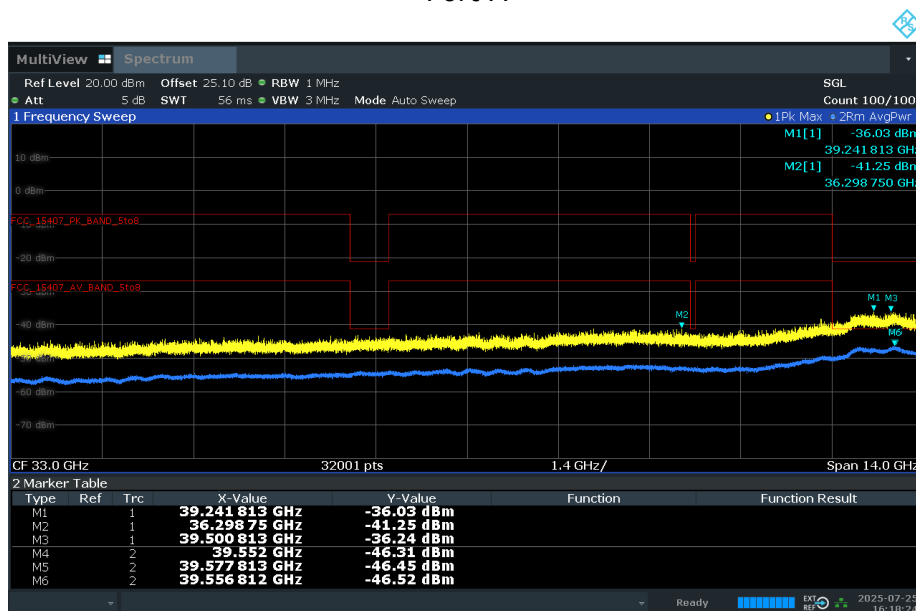
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = low, Measurement range =
26GHz - 40GHz, Subband = U-NII-6
(S01_AC01)



03:29:22 PM 07/25/2025

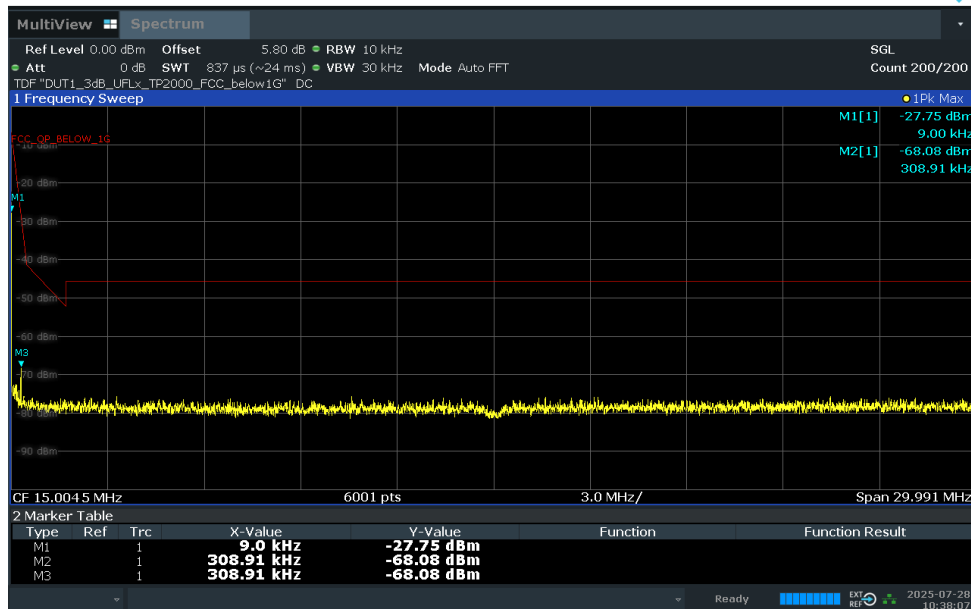
Port A



04:18:24 PM 07/25/2025

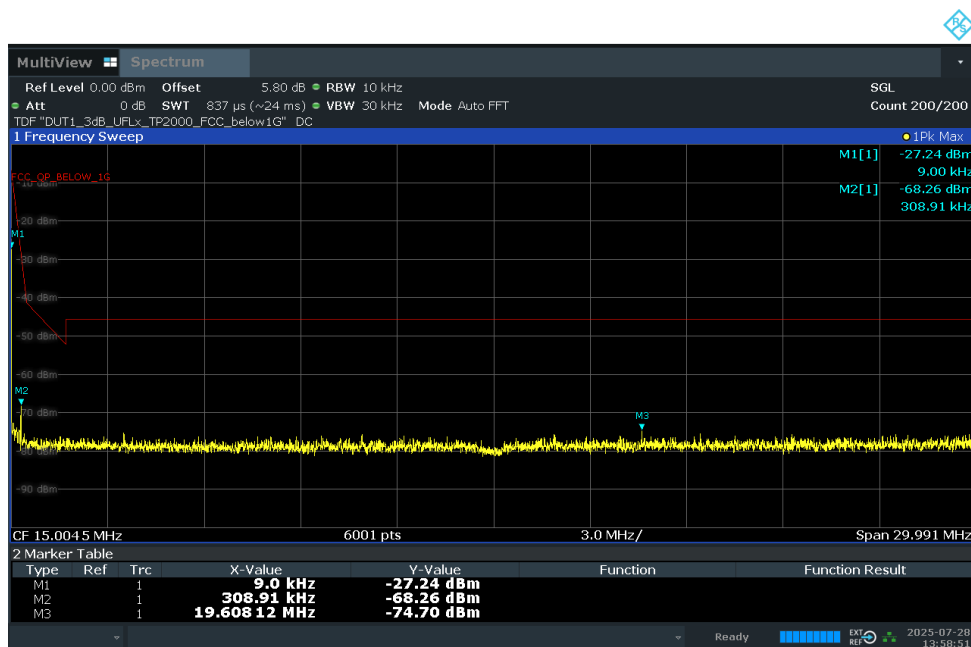
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 9kHz - 30MHz, Subband = U-NII-6 (S01_AC01)



10:38:07 AM 07/28/2025

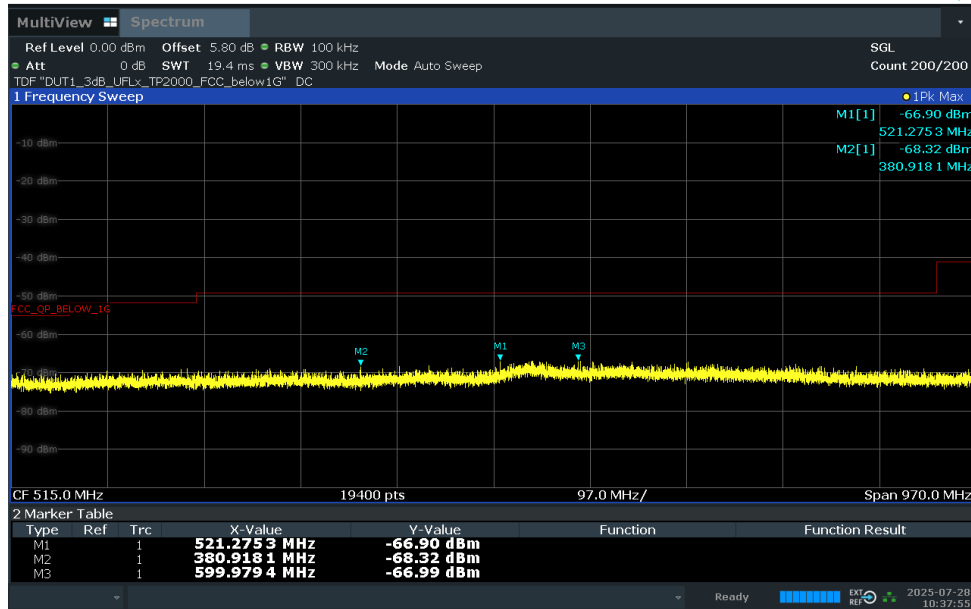
Port A



01:58:52 PM 07/28/2025

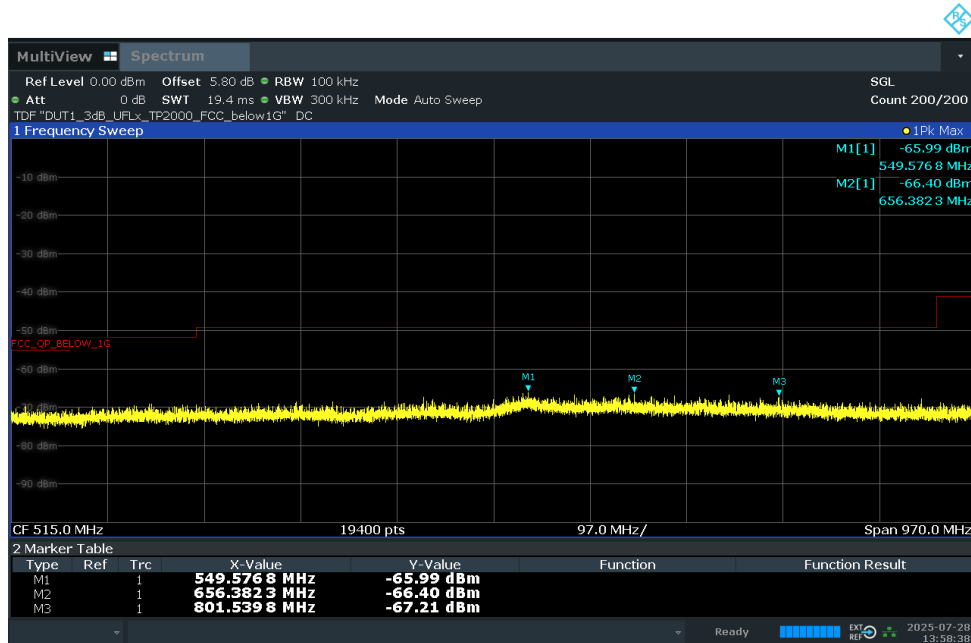
Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range = 30MHz - 1GHz, Subband = U-NII-6 (S01_AC01)



10:37:55 AM 07/28/2025

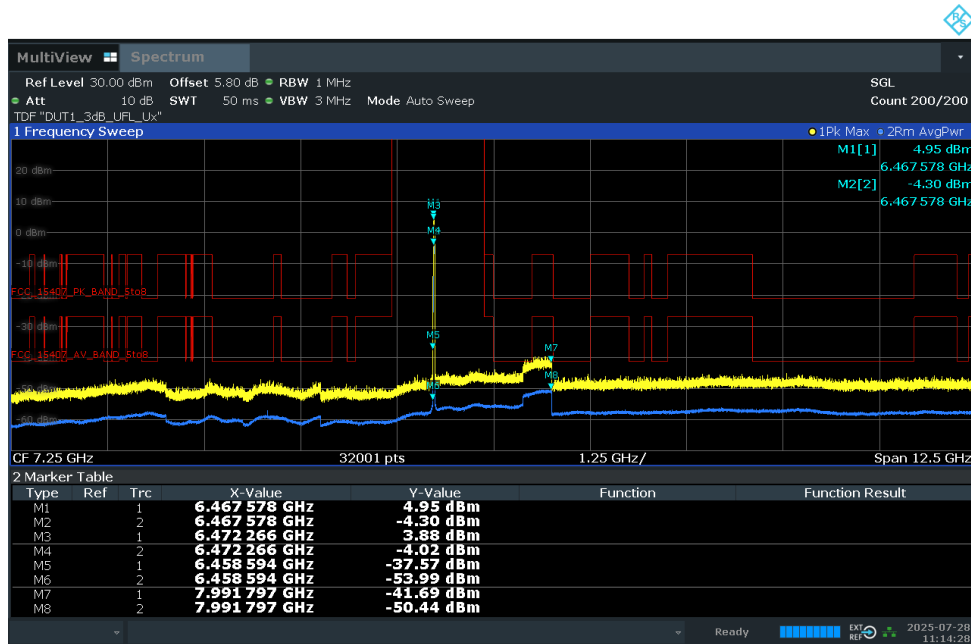
Port A



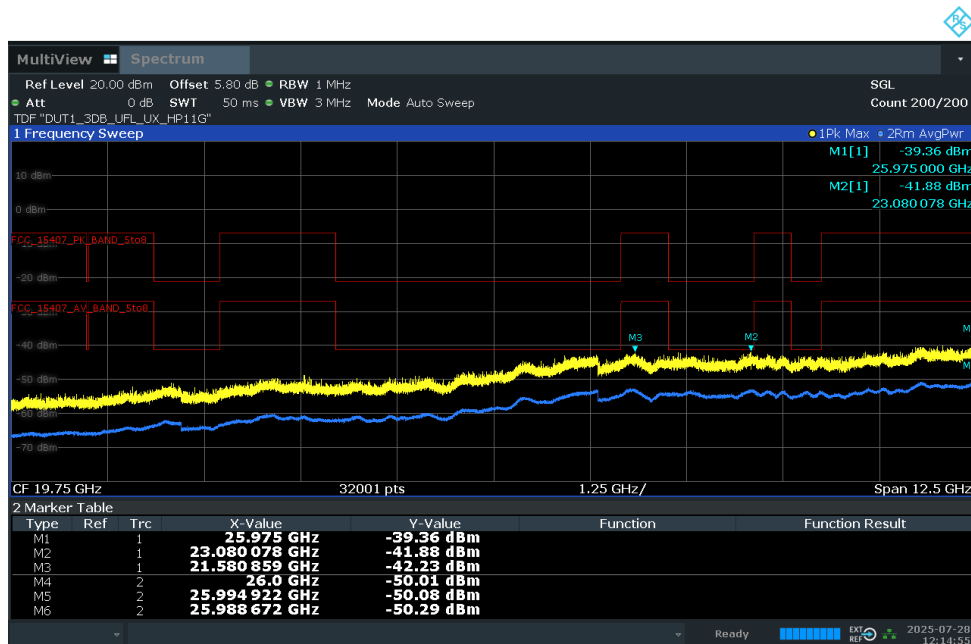
01:58:39 PM 07/28/2025

Port B

Radio Technology = WLAN ax 20 MHz, Operating Frequency = mid, Measurement range =
1GHz - 26GHz, Subband = U-NII-6
(S01_AC01)



11:14:28 AM 07/28/2025



12:14:56 PM 07/28/2025

Port A