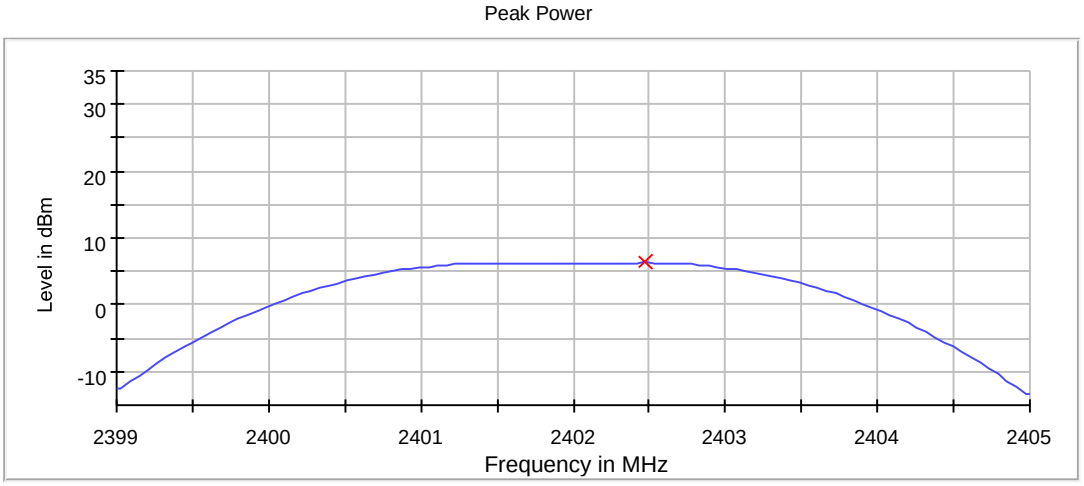
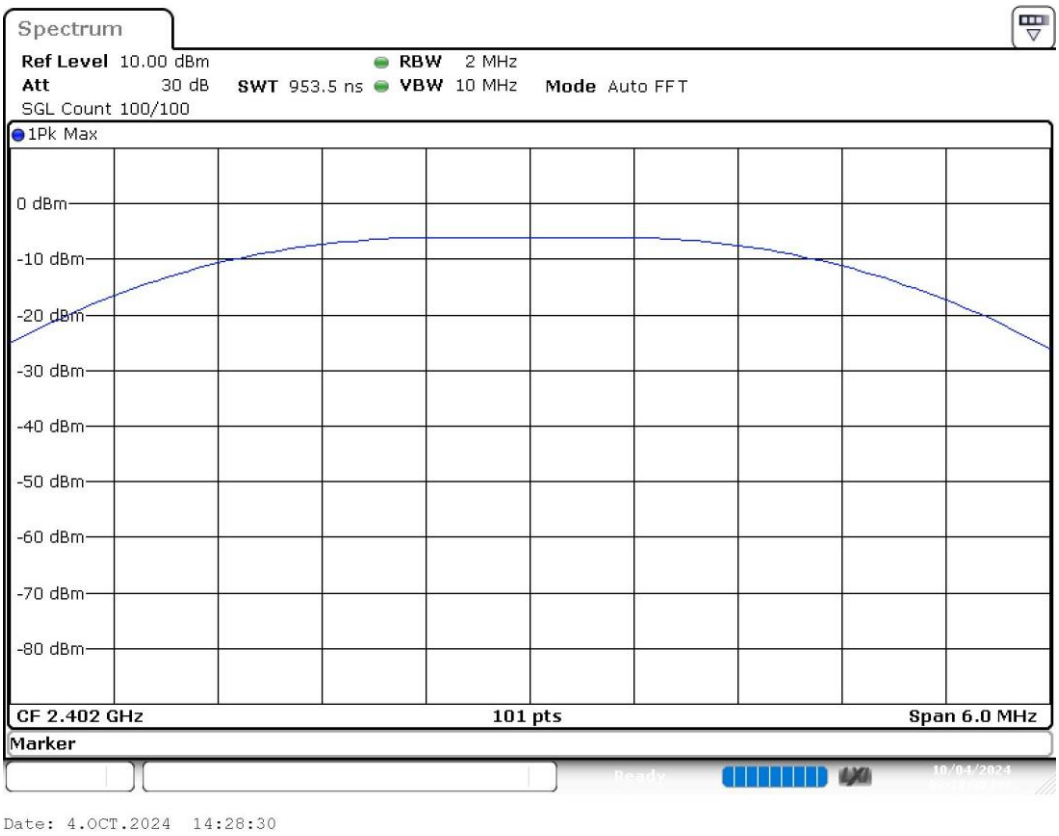
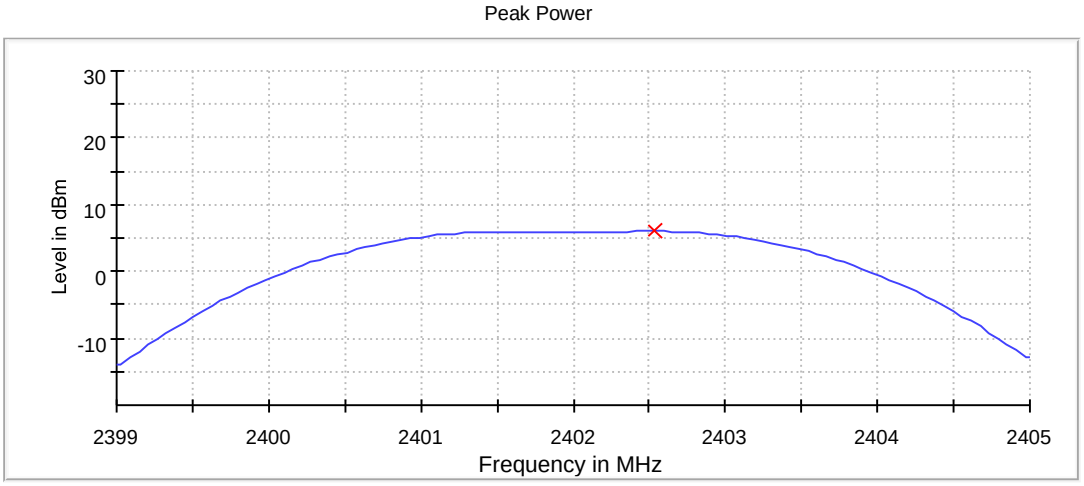
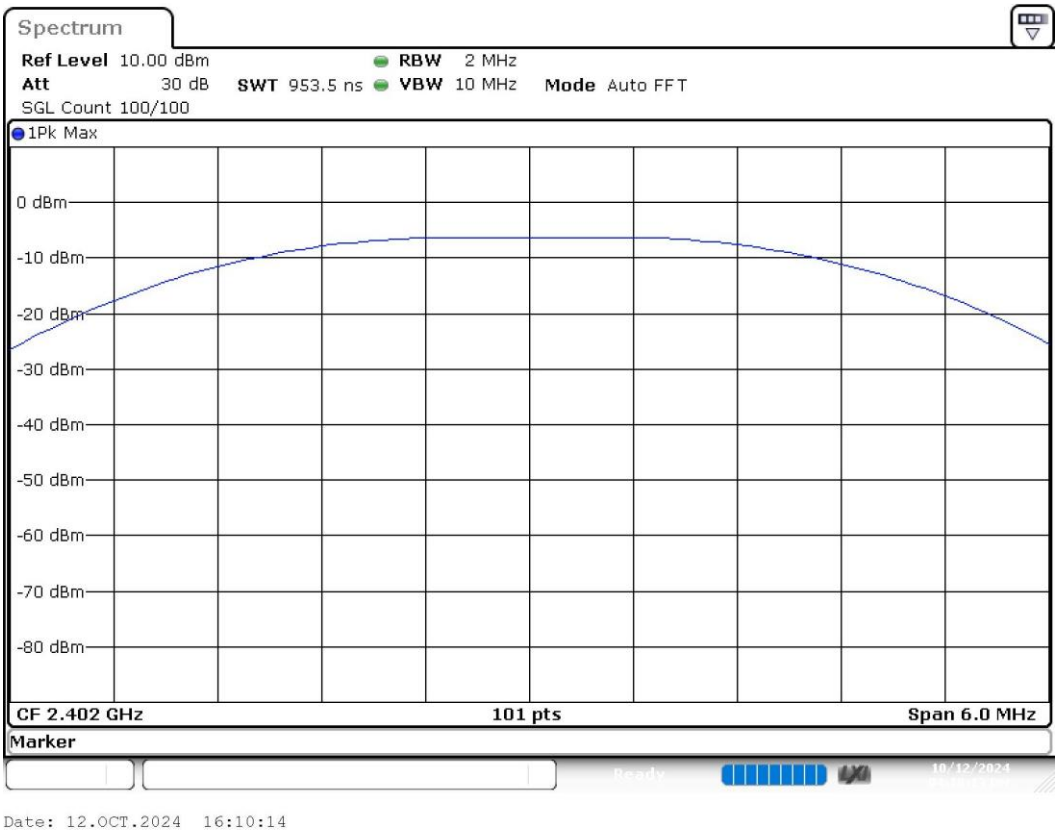


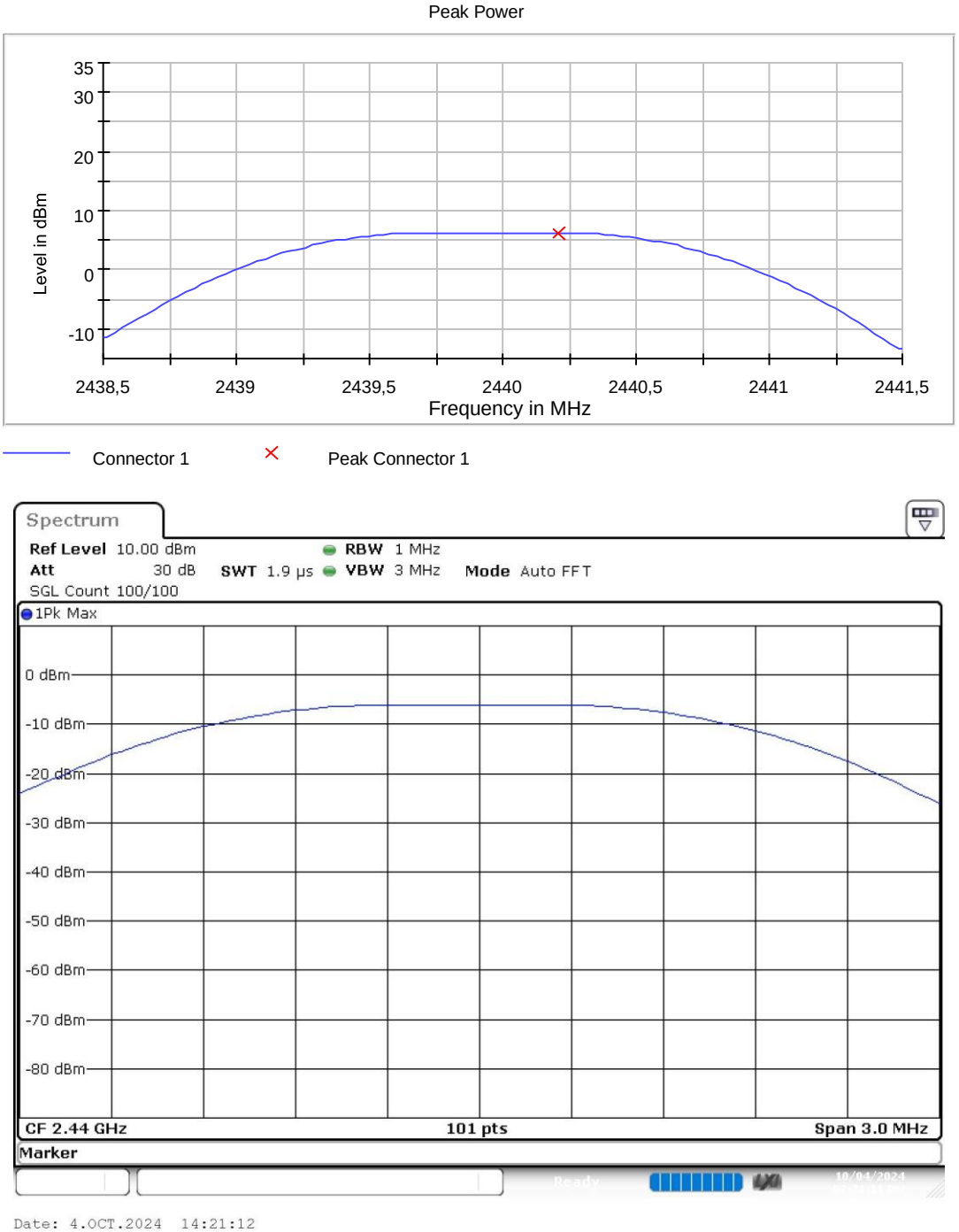


Screenshot: Output power, low channel, 2M bandwidth operation (AH40)

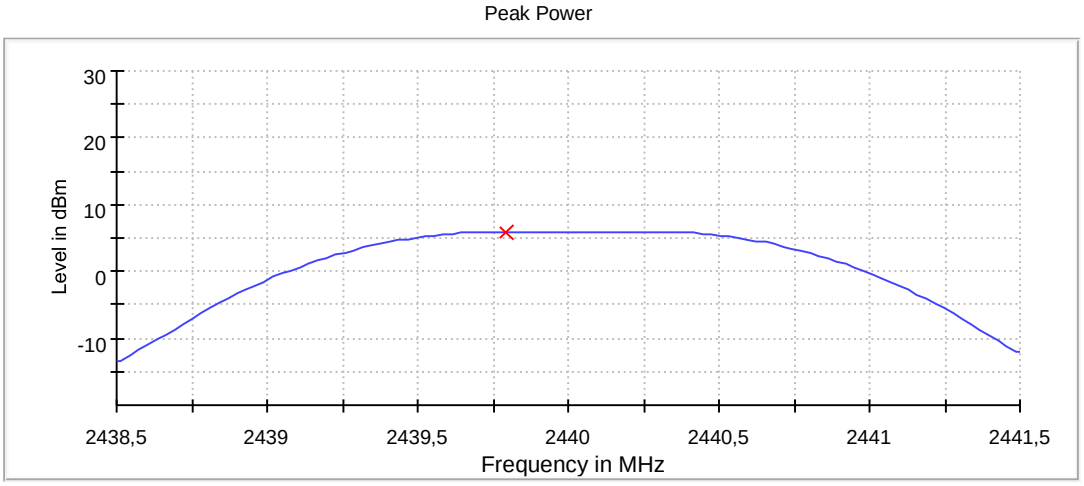


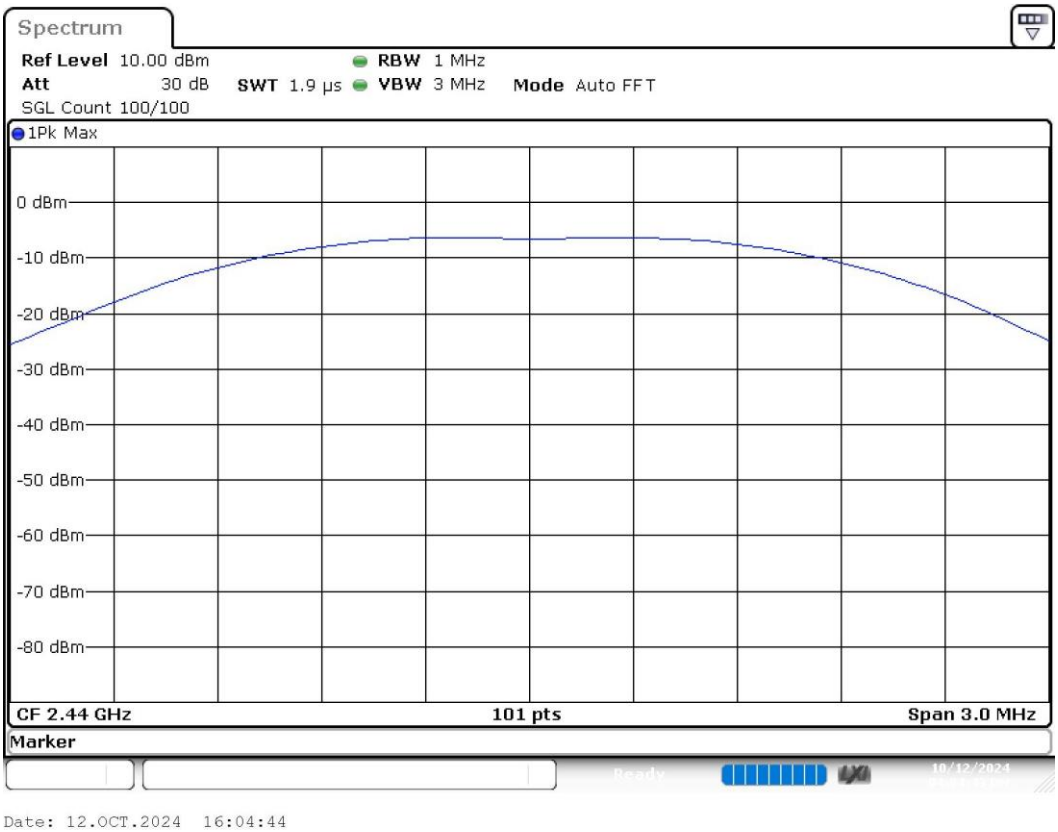


Screenshot: Output power, low channel, 2M bandwidth operation (AH20)

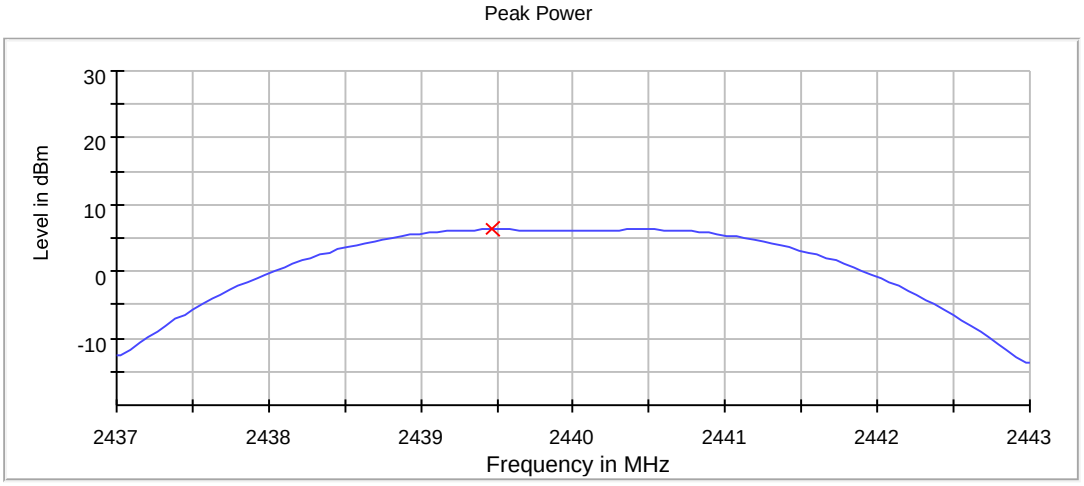


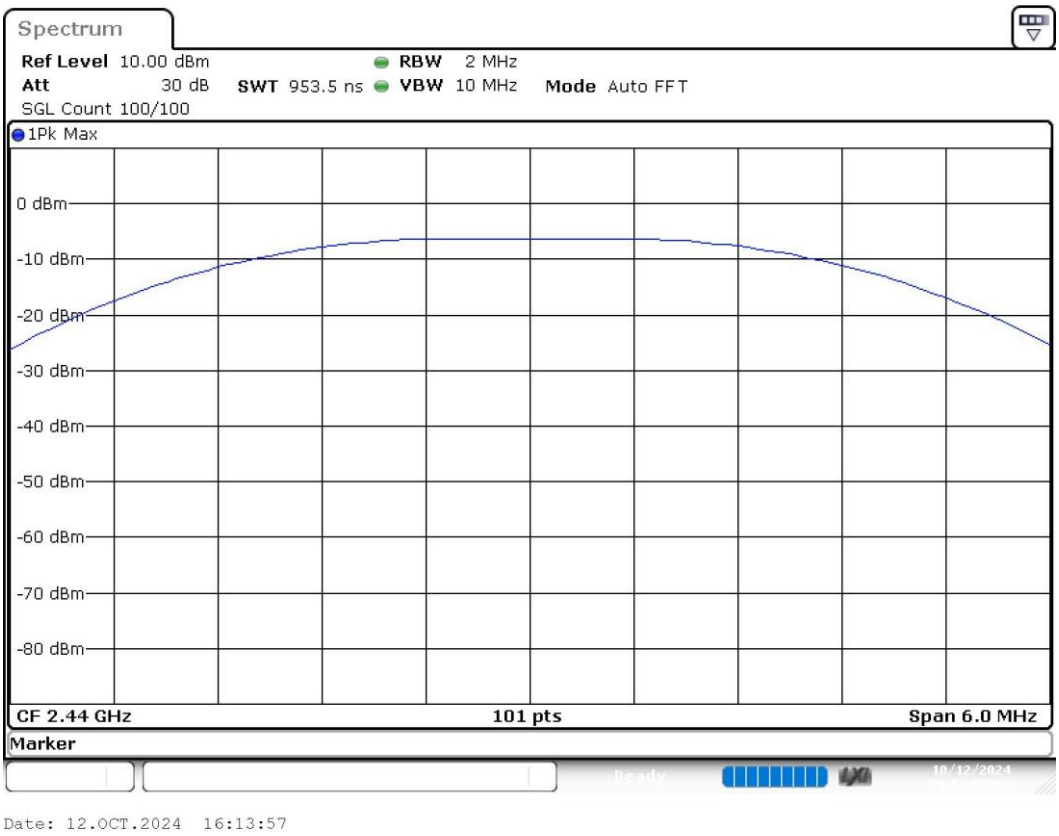
Screenshot: Output power, middle channel, 1M bandwidth operation (AH40)



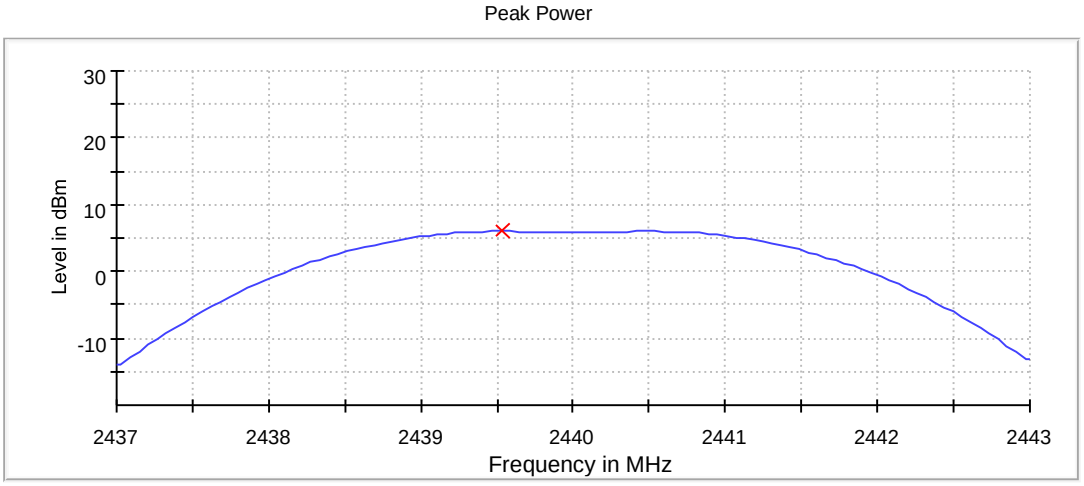


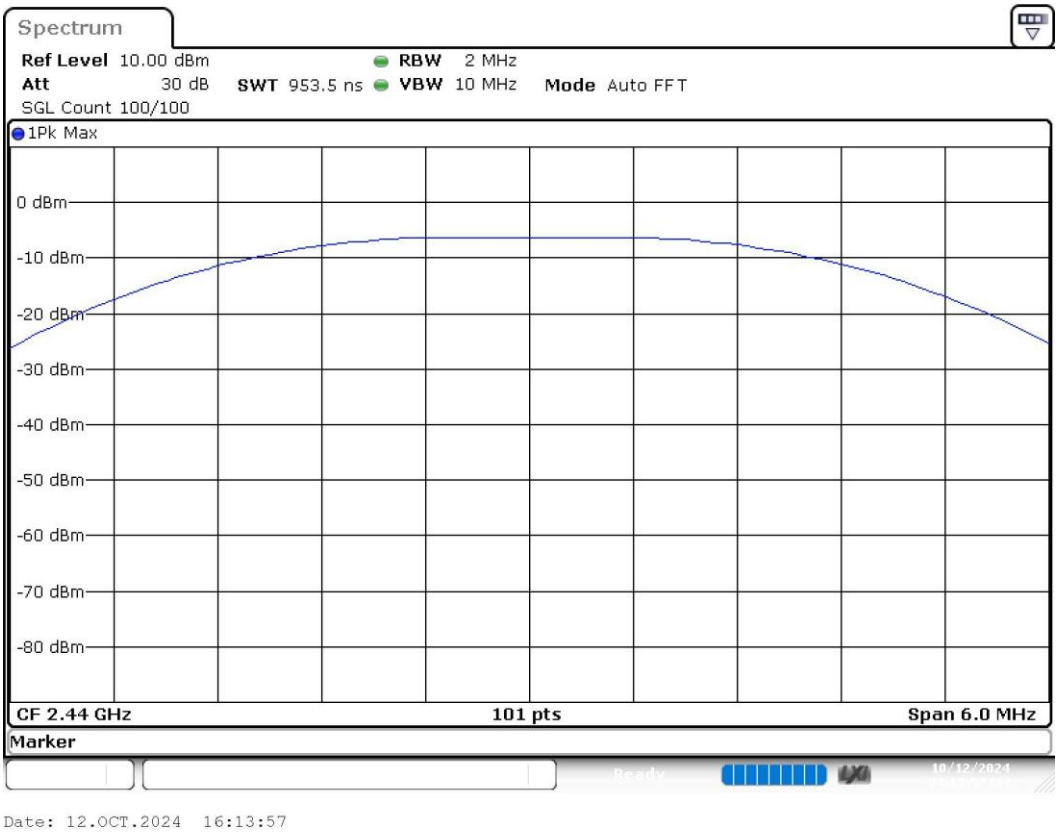
Screenshot: Output power, middle channel, 1M bandwidth operation (AH20)



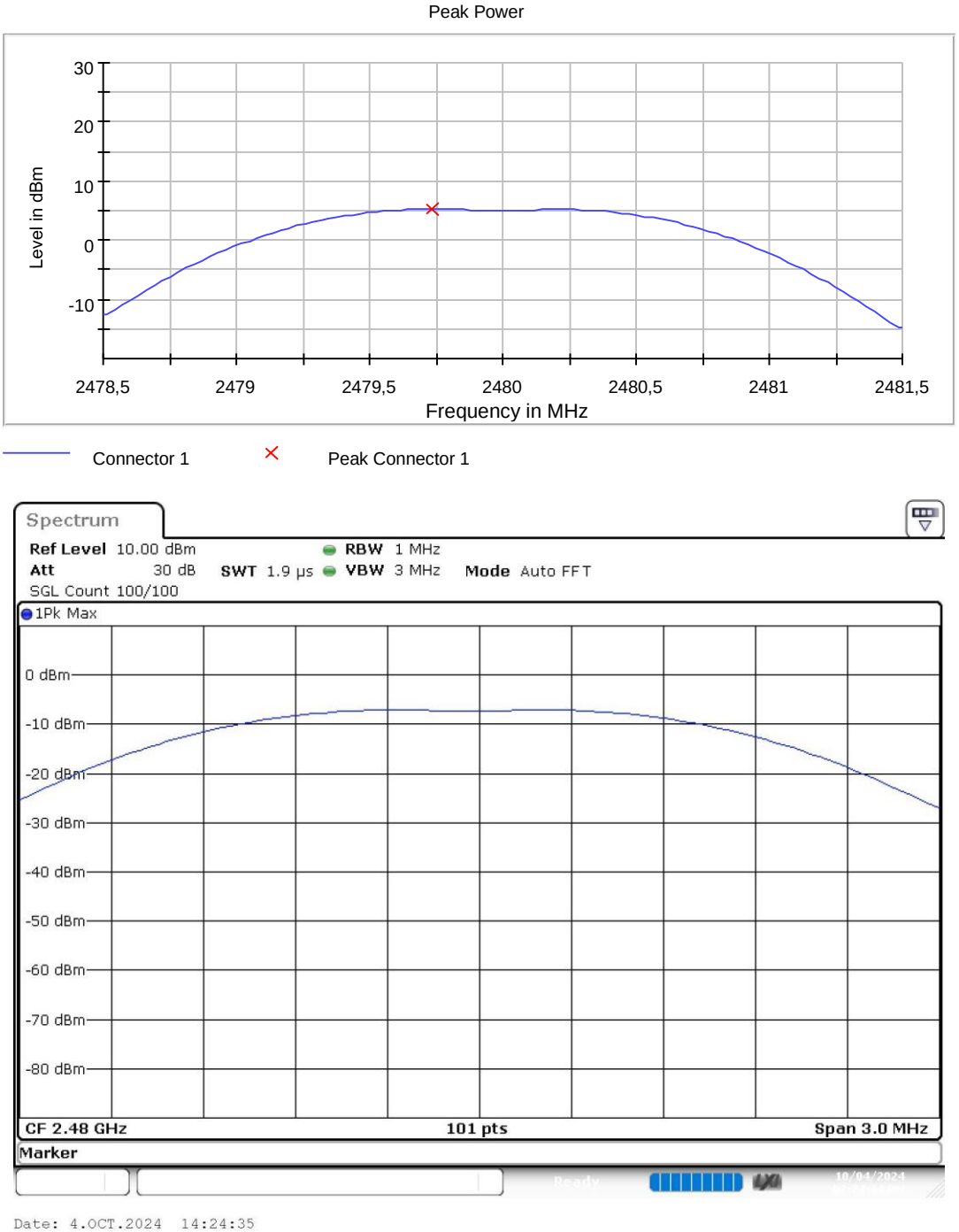


Screenshot: Output power, middle channel, 2M bandwidth operation (AH40)

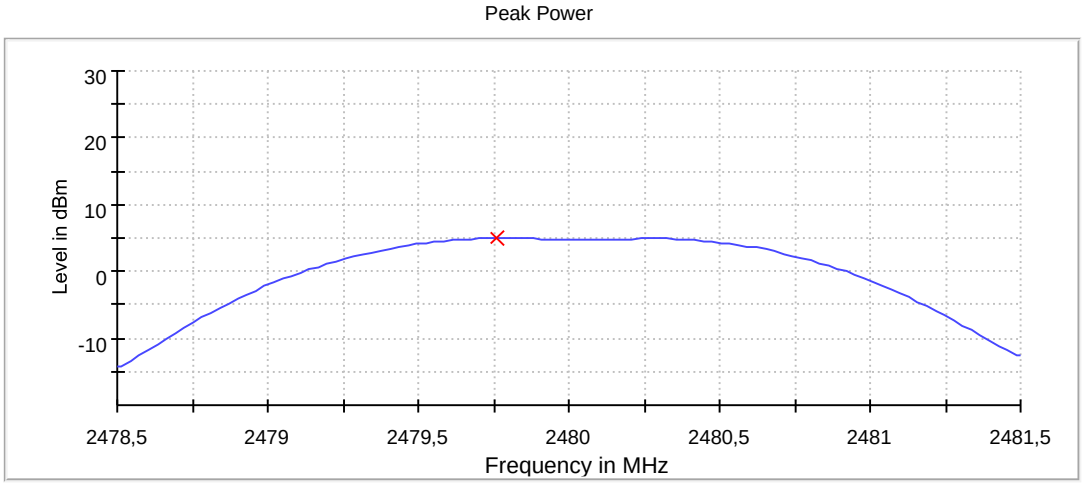


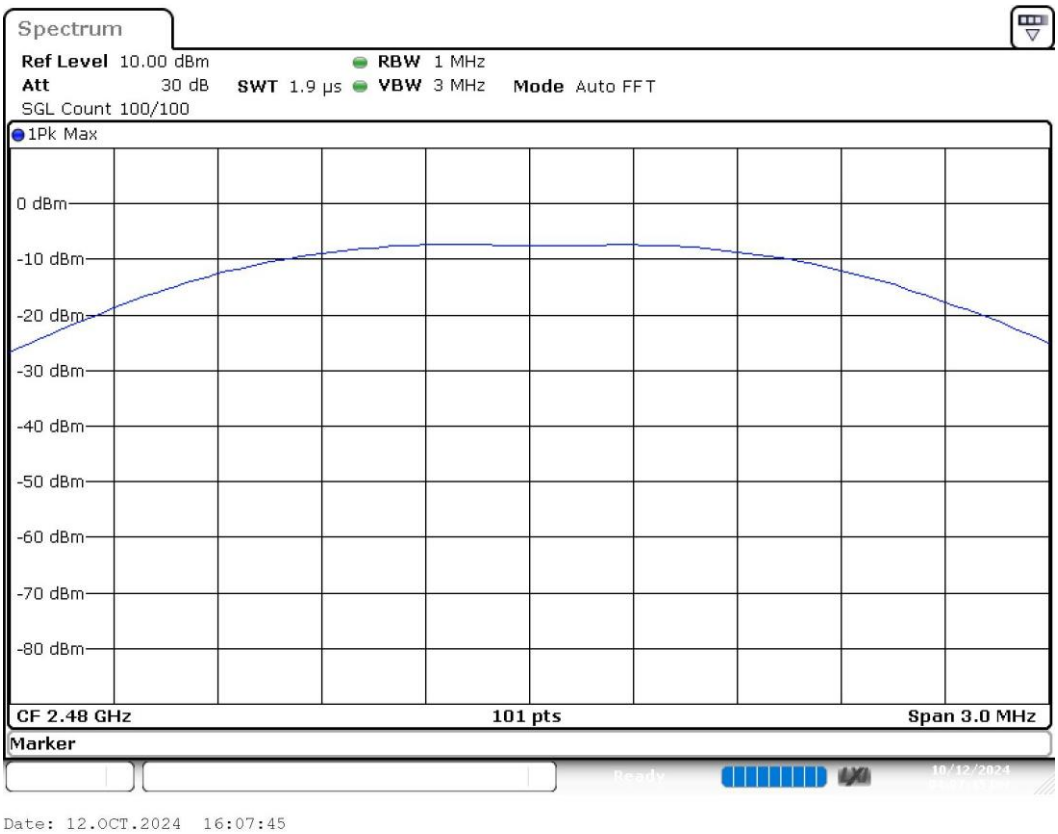


Screenshot: Output power, middle channel, 2M bandwidth operation (AH20)

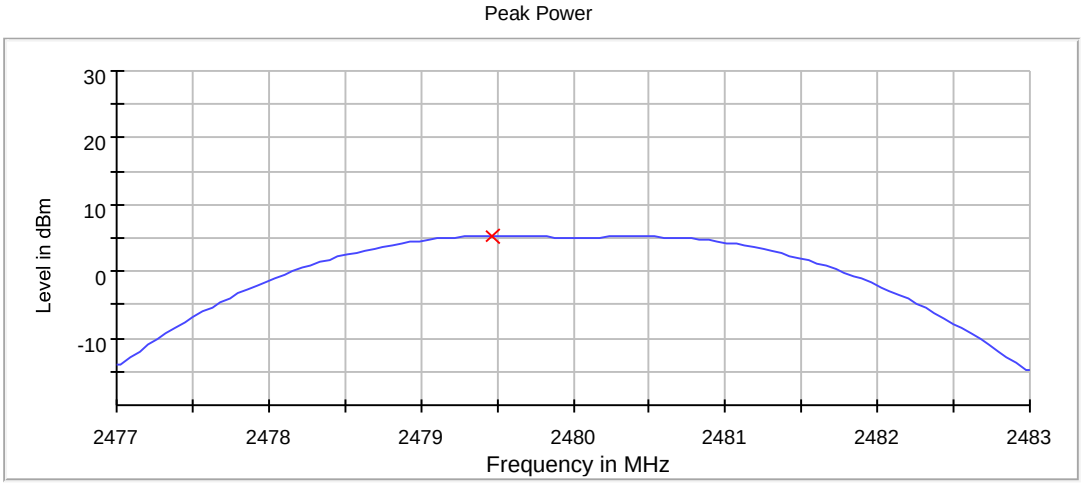


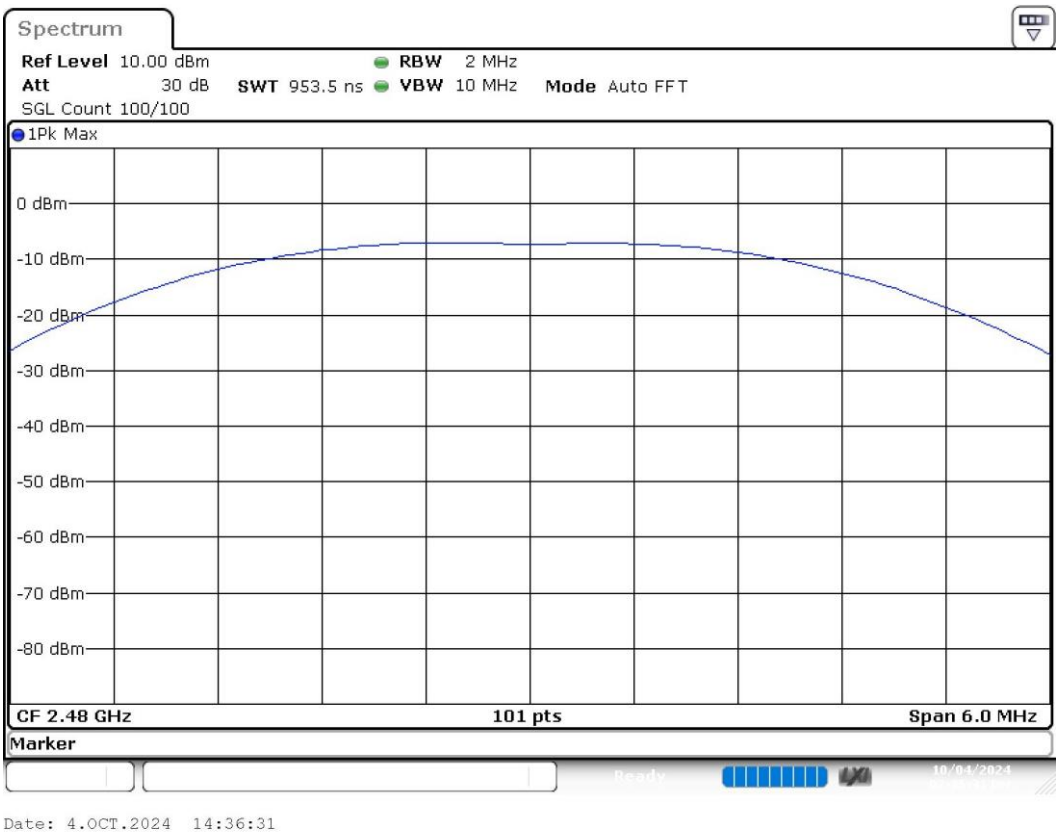
Screenshot: Output power, high channel, 1M bandwidth operation (AH40)



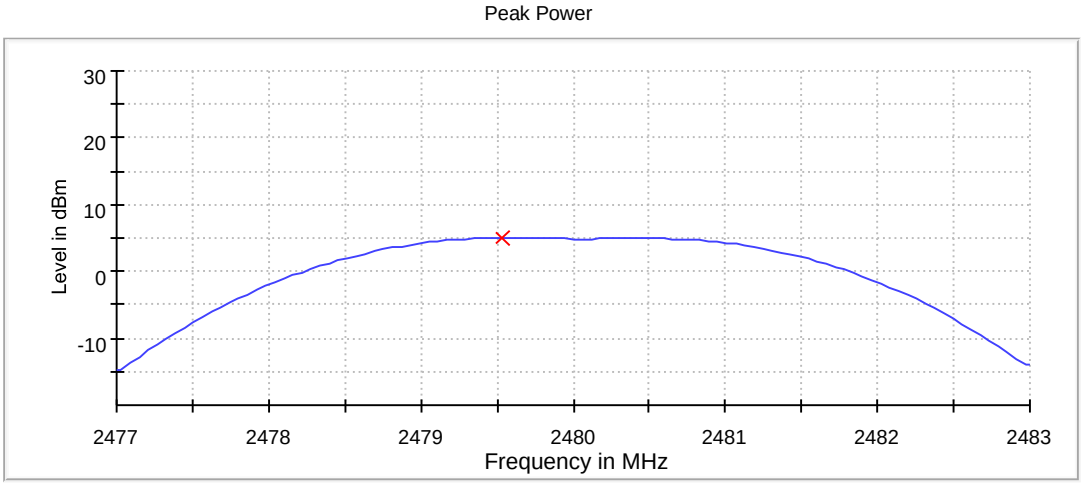


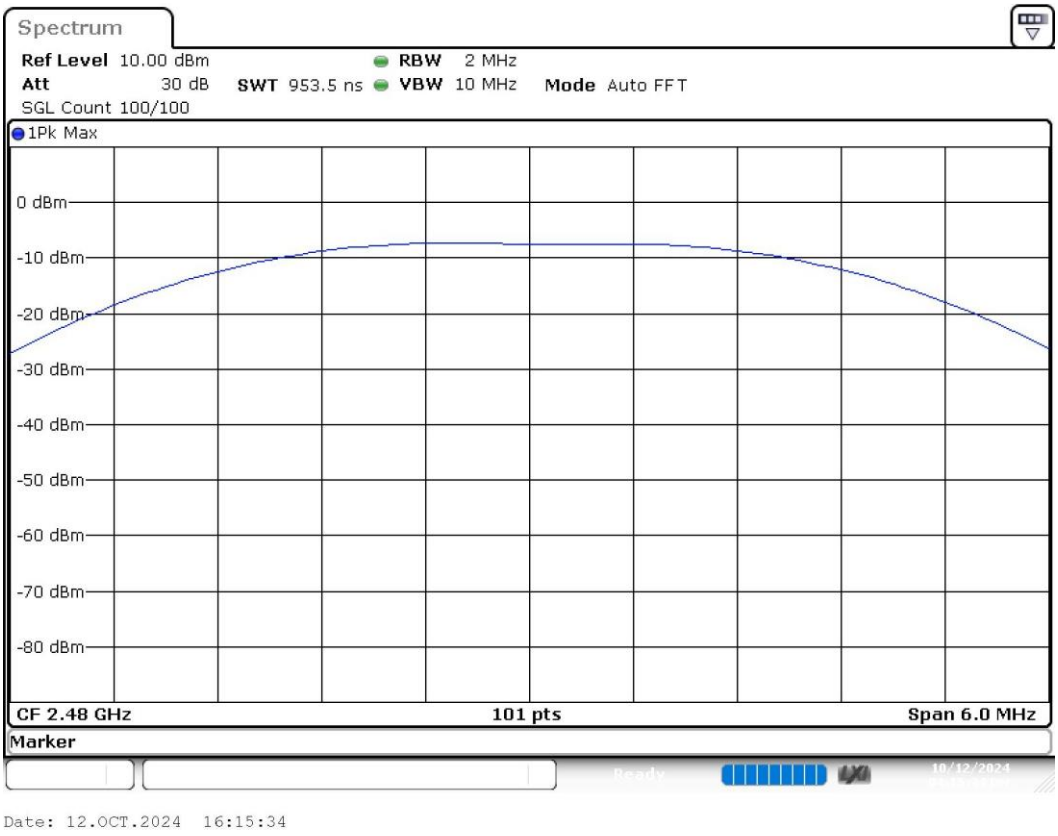
Screenshot: Output power, high channel, 1M bandwidth operation (AH20)





Screenshot: Output power, high channel, 2M bandwidth operation (AH40)





Screenshot: Output power, high channel, 2M bandwidth operation (AH20)

Test result, model AH40

Mode of Operation	Channel [MHz]	Output power [dBm]
1MHz BW, Lower	2402	6.2
2MHz BW, Lower	2402	6.3
1MHz BW, Mid	2440	6.3
2MHz BW, Mid	2440	6.3
1MHz BW, Upper	2480	5.2
2MHz BW, Upper	2480	5.3

Test result, model AH20

Mode of Operation	Channel [MHz]	Output power [dBm]
1MHz BW, Lower	2402	6.0
2MHz BW, Lower	2402	6.0
1MHz BW, Mid	2440	5.9
2MHz BW, Mid	2440	6.0
1MHz BW, Upper	2480	5.0
2MHz BW, Upper	2480	5.0

10 OCCUPIED 6 DB BANDWIDTH

Date of test:	4 October 2024	**Test location:**	TS8997
EUT Serial:	00.12.4B.00.2E.1A.11.29 00.12.4B.00.2E.18.82.9C	**Ambient temp:**	20°C
Tested by:	Nahome Micheal Sandipan Basu Björn Utermöhl	**Relative humidity:**	34%
Test result:	Pass	**Margin:**	> 0.252476MHz

10.1 Test set-up and test procedure.

The test method is in accordance with ANSI C63.10-2020 section 11.8.1.

The EUT was connected to spectrum analyser via rf-cable and attenuator.

10.2 Test conditions

Detector: Peak,
RBW: 100 kHz
VBW: 3 x RBW
Span: >1,5 x OBW

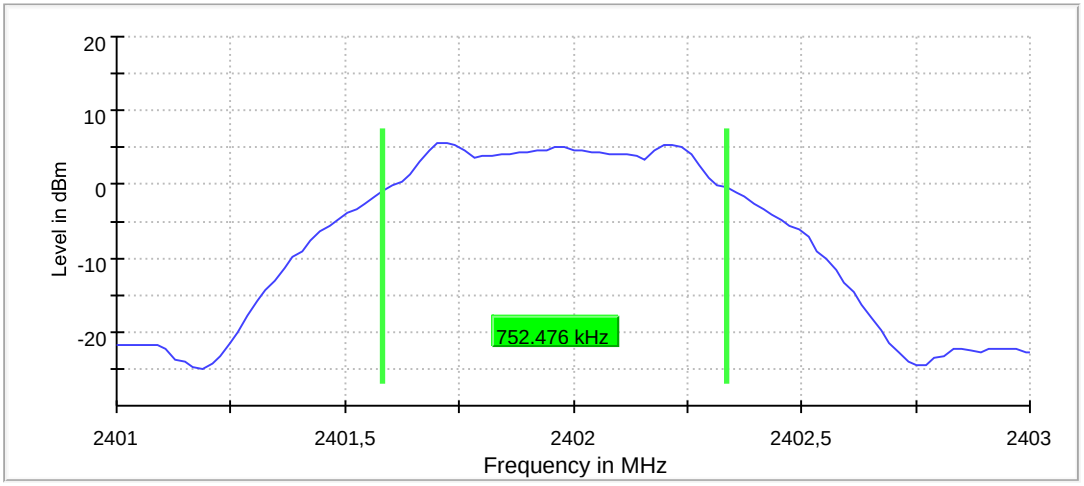
The EUT was set up according to section 2.4, in order to emit the highest emission.

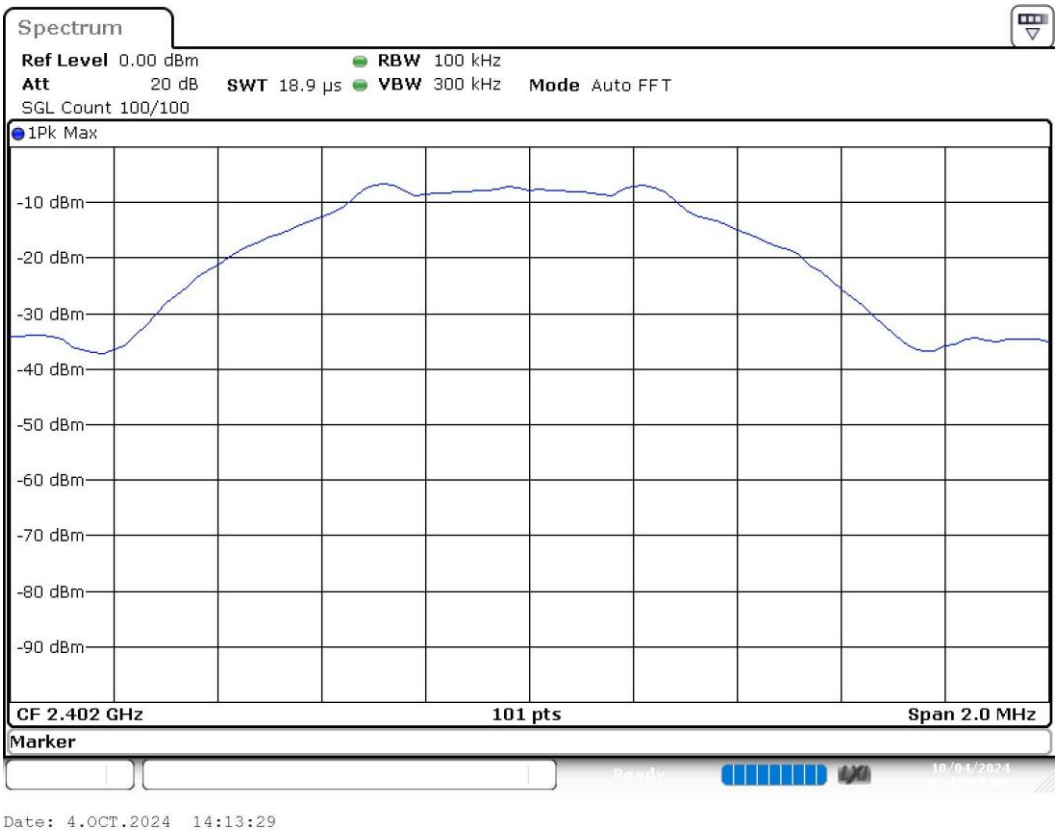
10.3 Requirements

Reference: CFR 47§15.247(a)(2), RSS-247 5.2(1)
The minimum 6 dB bandwidth shall be ≥ 500 kHz.

10.4 Test results

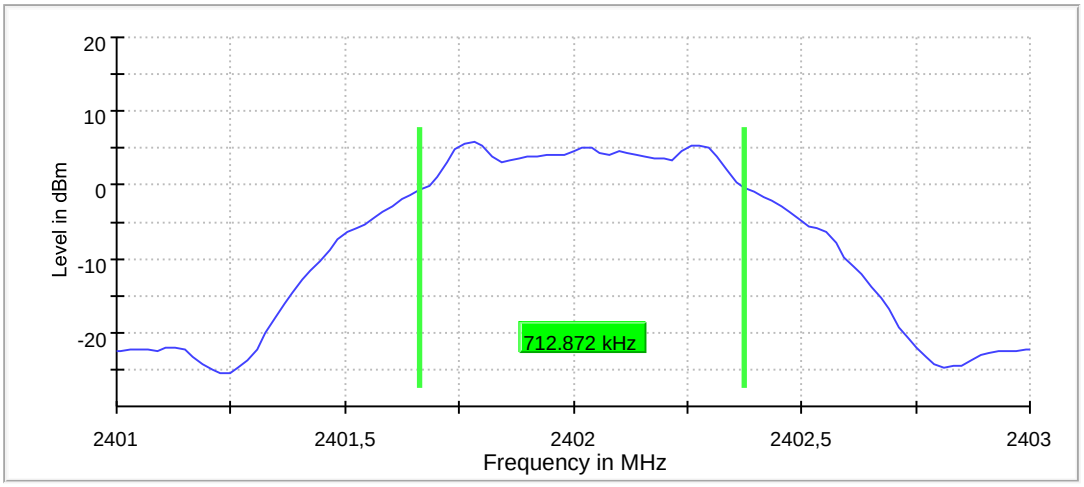
6 dB Bandwidth

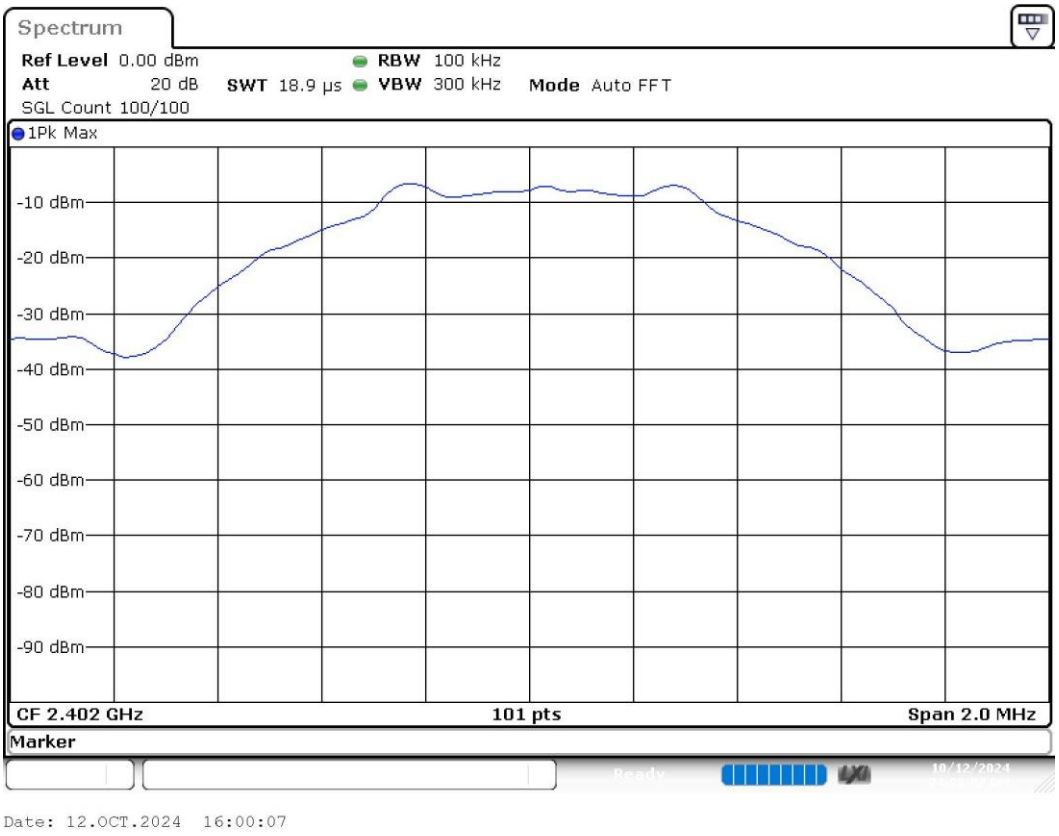




Screenshot: Occupied 6 dB bandwidth Measurement, low channel, 1M bandwidth operation (AH40)

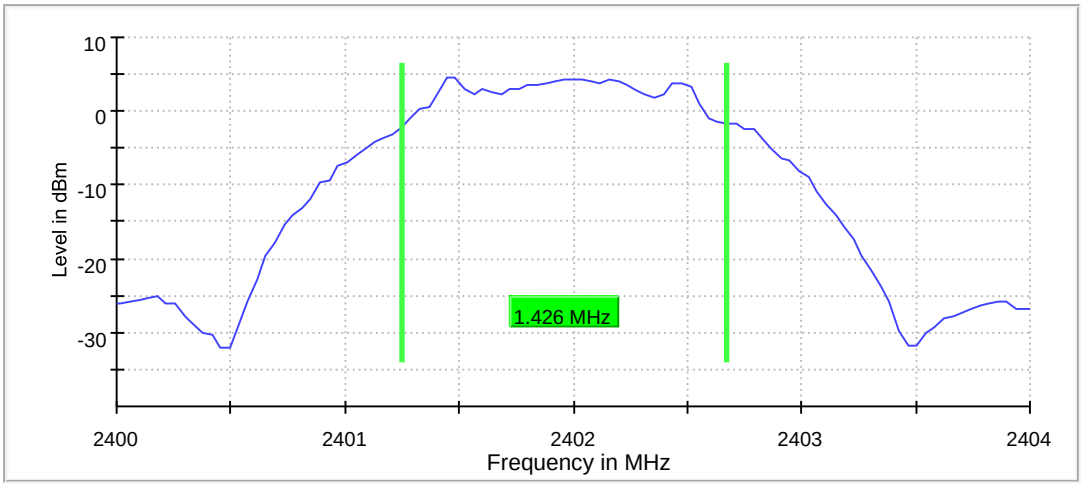
6 dB Bandwidth





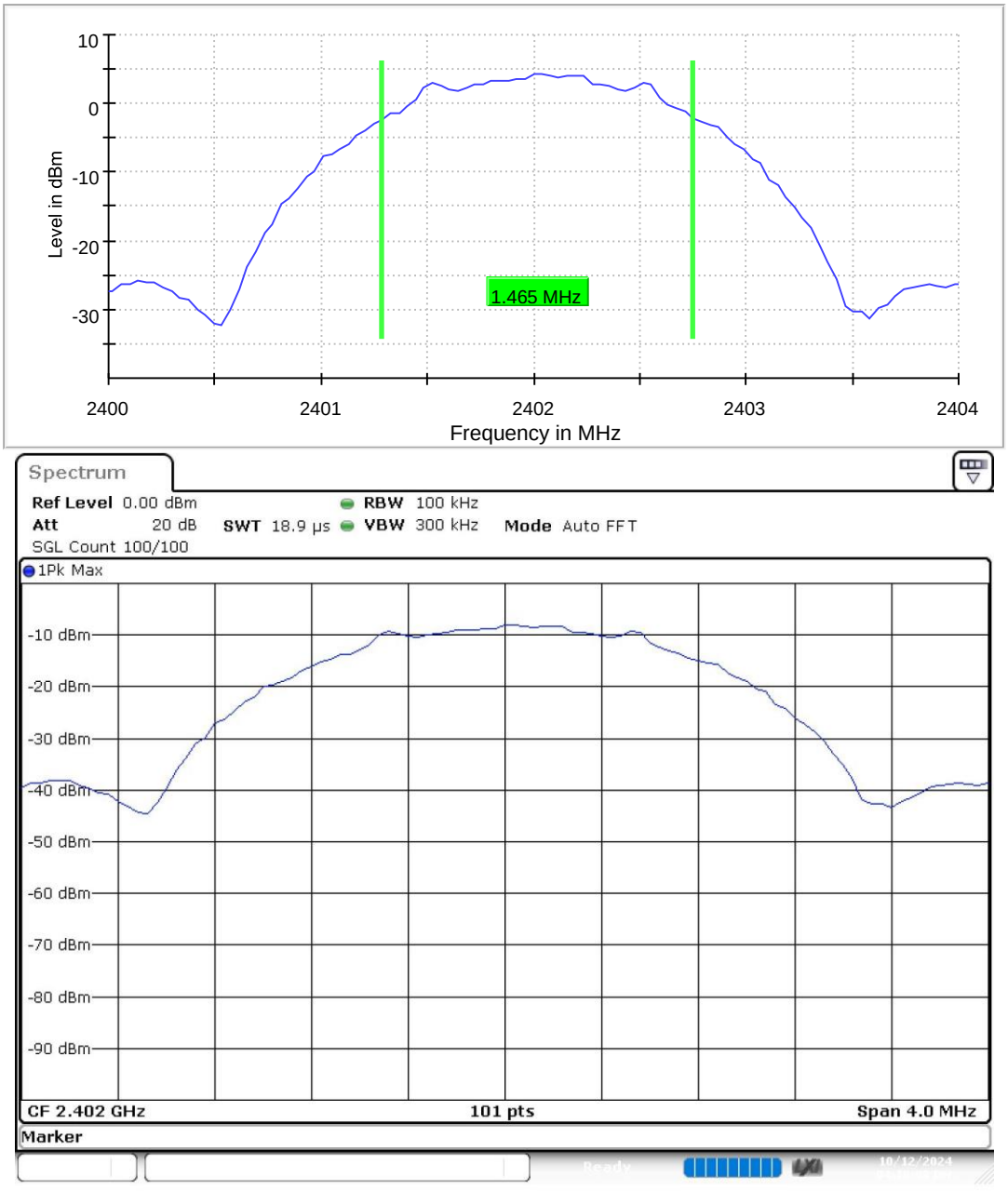
Screenshot: Occupied 6 dB bandwidth Measurement, low channel, 1M bandwidth operation (AH20)

6 dB Bandwidth



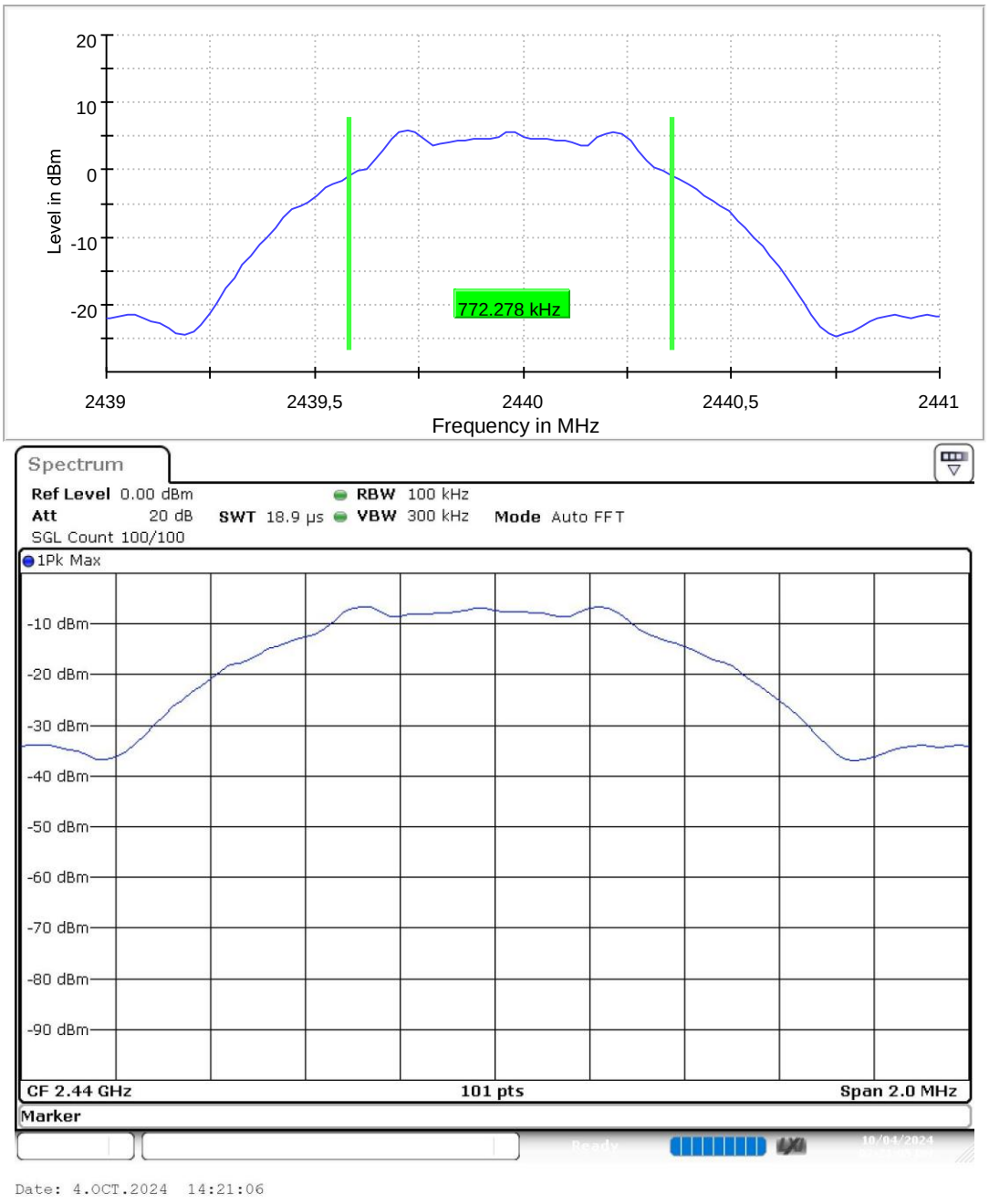
Screenshot: Occupied 6 dB bandwidth Measurement, low channel, 2M bandwidth operation (AH40)

6 dB Bandwidth



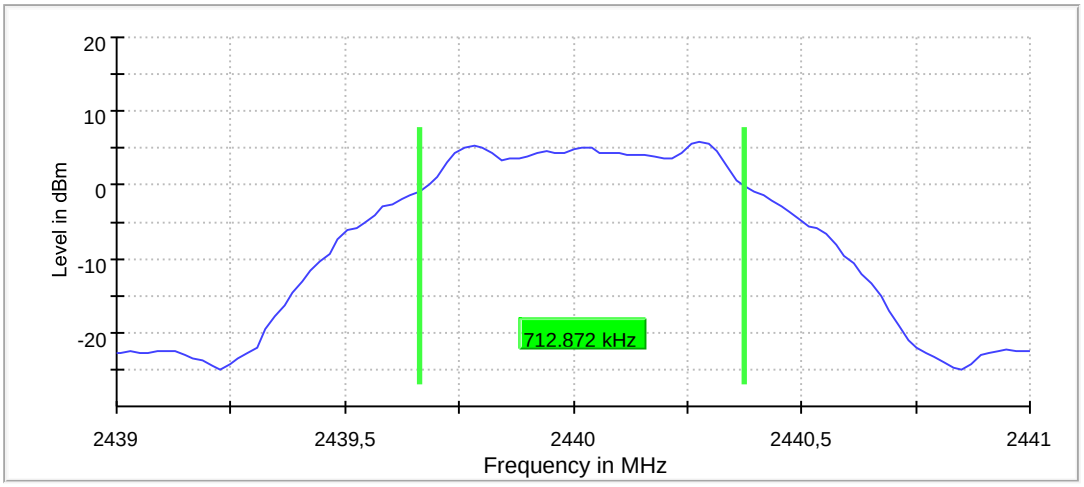
Screenshot: Occupied 6 dB bandwidth Measurement, low channel, 2M bandwidth operation (AH20)

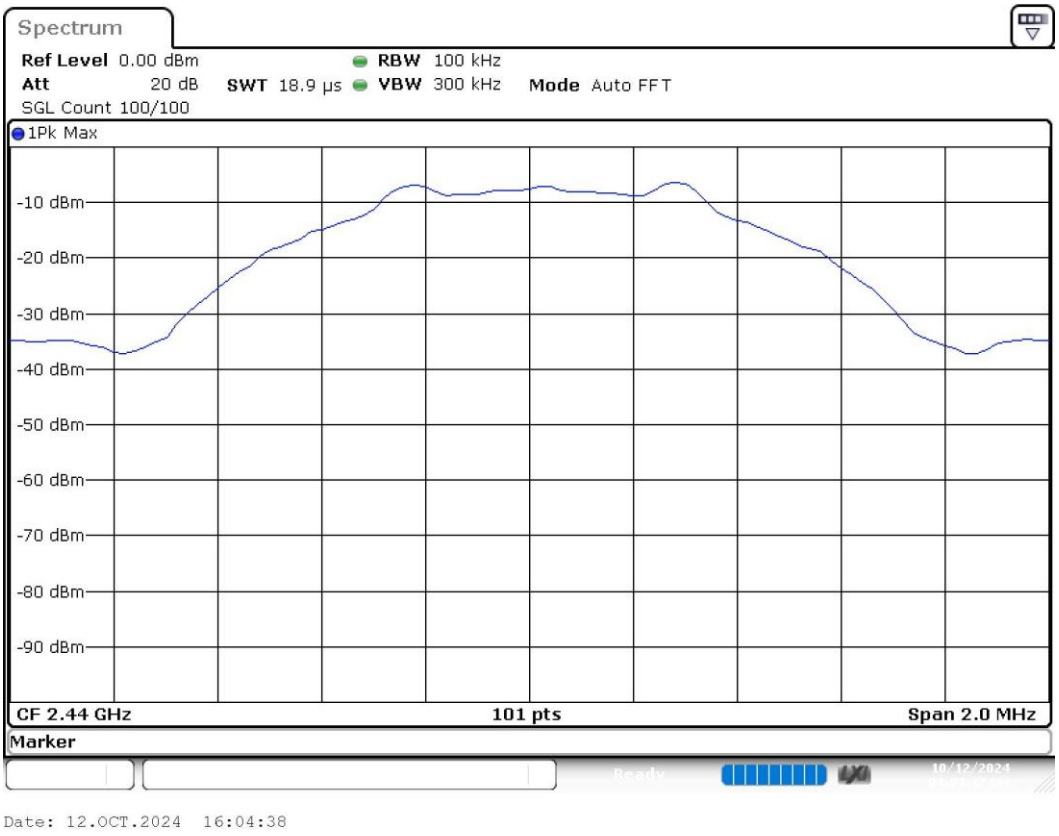
6 dB Bandwidth



Screenshot: Occupied 6 dB bandwidth Measurement, middle channel, 1M bandwidth operation (AH40)

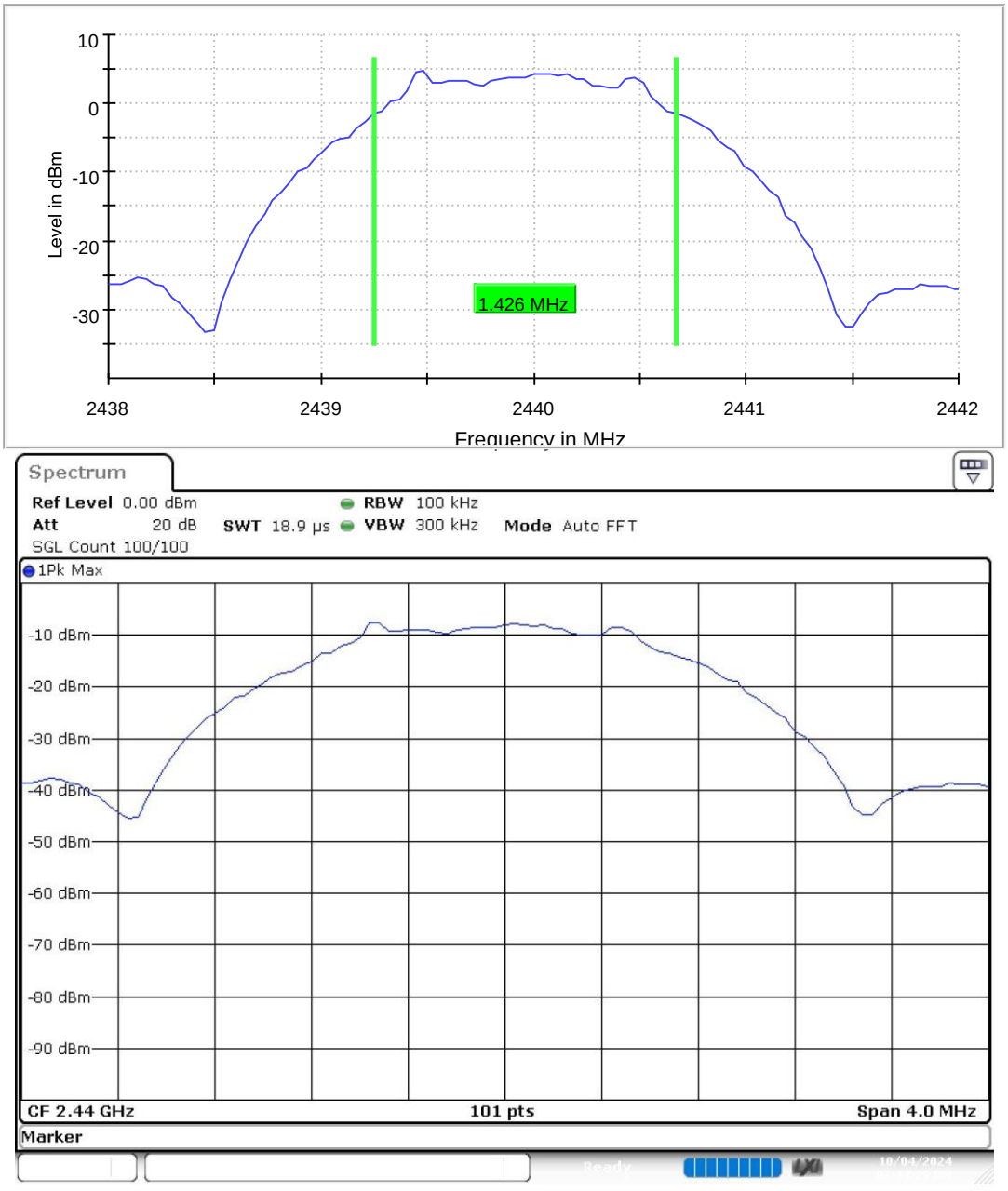
6 dB Bandwidth





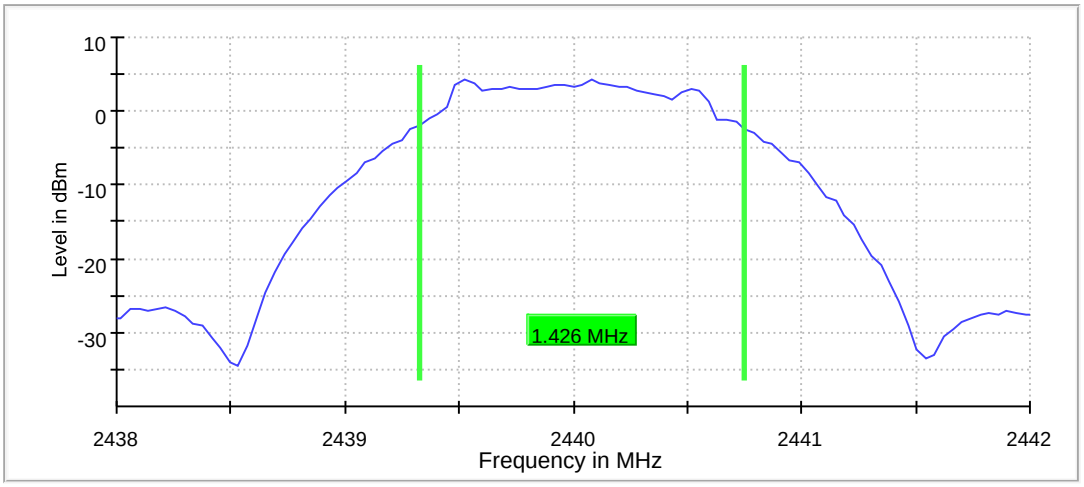
Screenshot: Occupied 6 dB bandwidth Measurement, middle channel, 1M bandwidth operation (AH20)

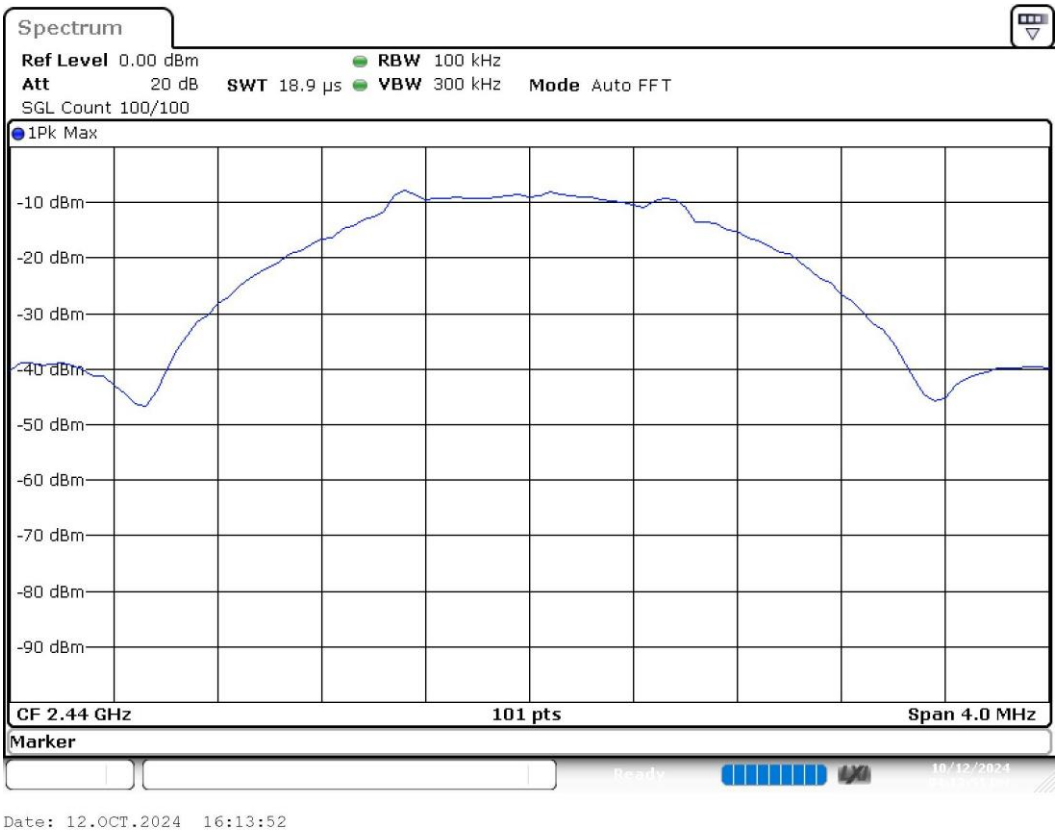
6 dB Bandwidth



Screenshot: Occupied 6 dB bandwidth Measurement, middle channel, 2M bandwidth operation (AH40)

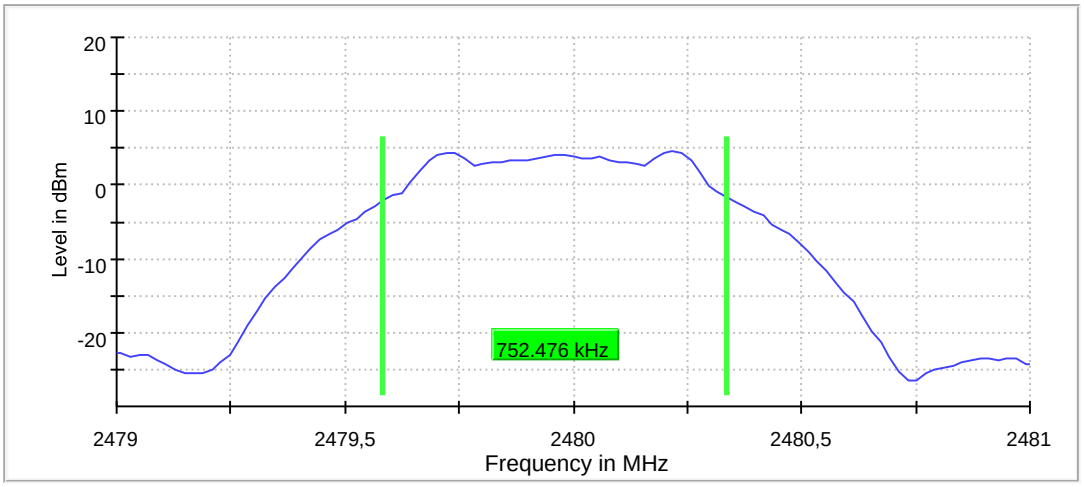
6 dB Bandwidth

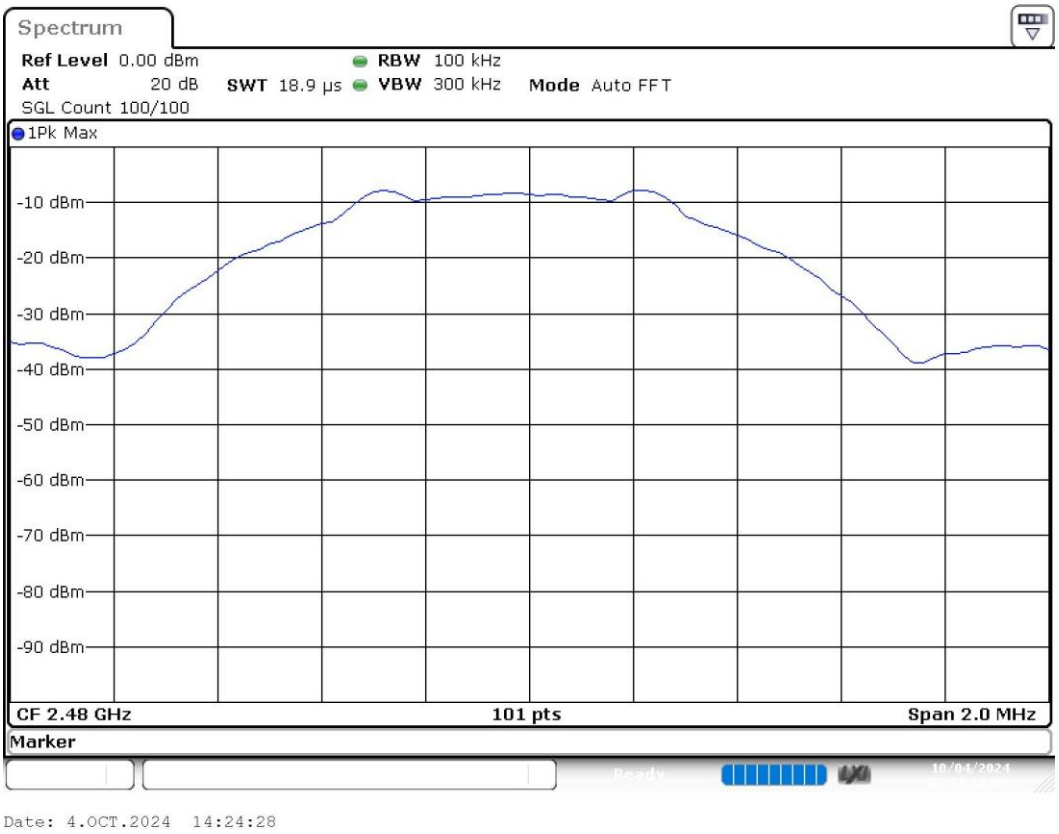




Screenshot: Occupied 6 dB bandwidth Measurement, middle channel, 2M bandwidth operation (AH20)

6 dB Bandwidth

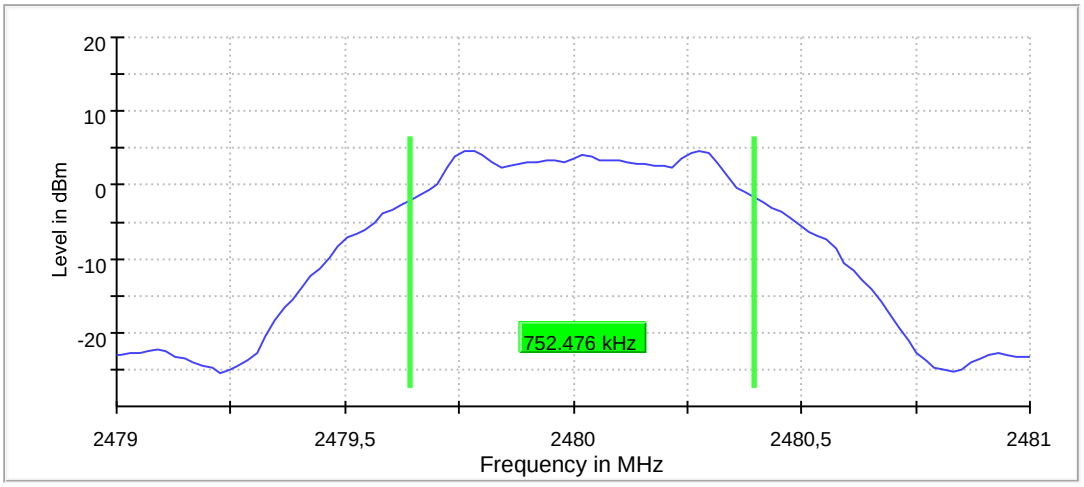


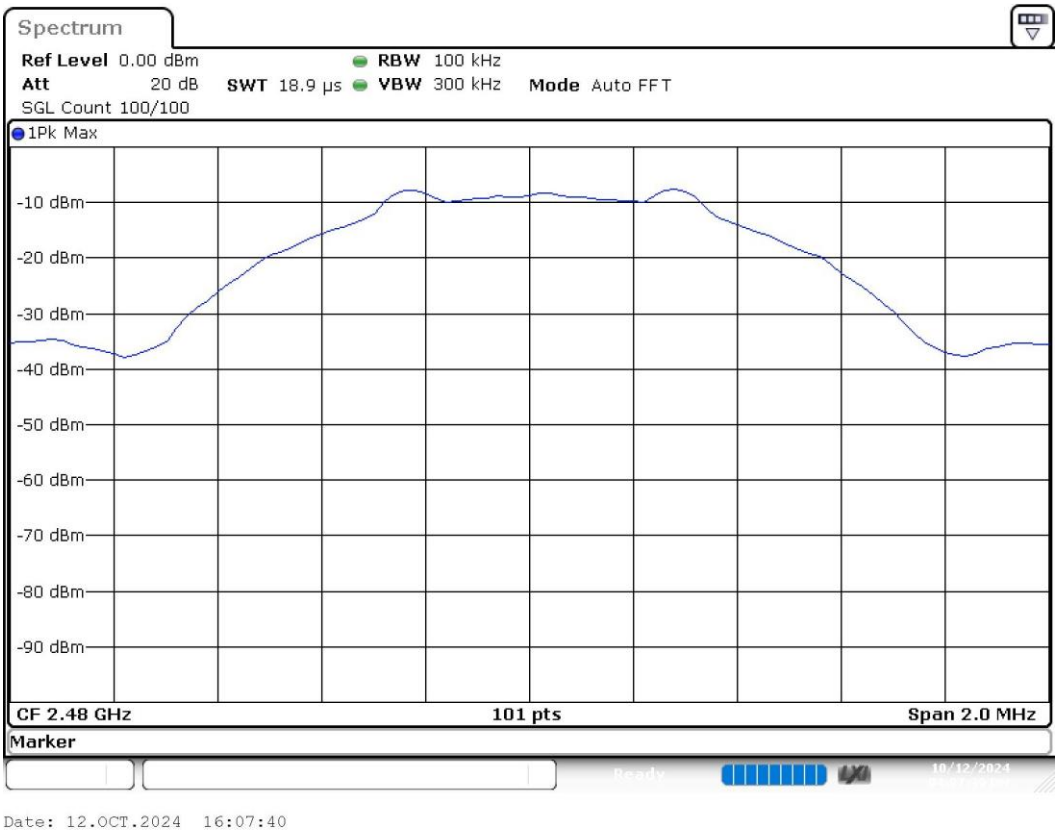


Date: 4.OCT.2024 14:24:28

Screenshot: Occupied 6 dB bandwidth Measurement, high channel, 1M bandwidth operation (AH40)

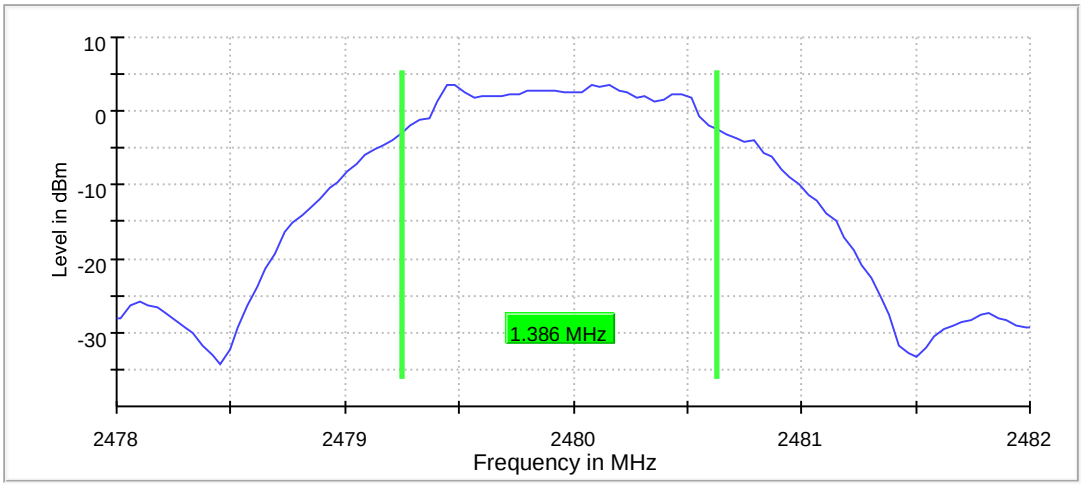
6 dB Bandwidth

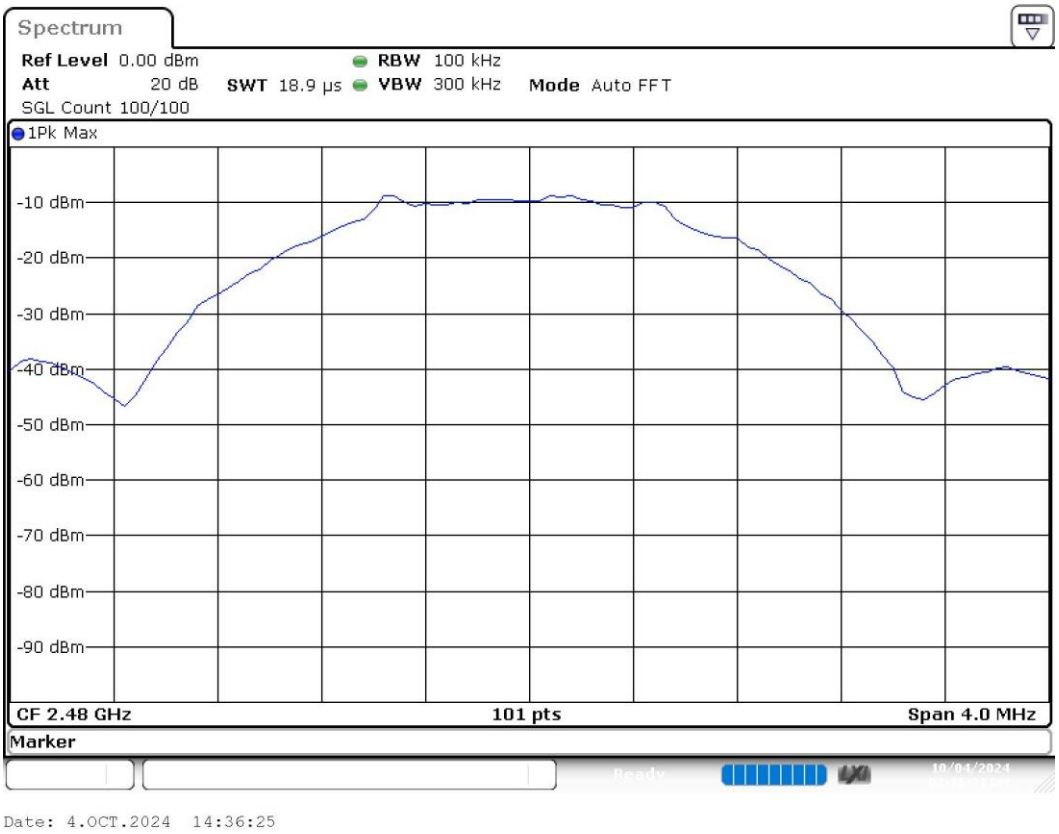




Screenshot: Occupied 6 dB bandwidth Measurement, high channel, 1M bandwidth operation (AH20)

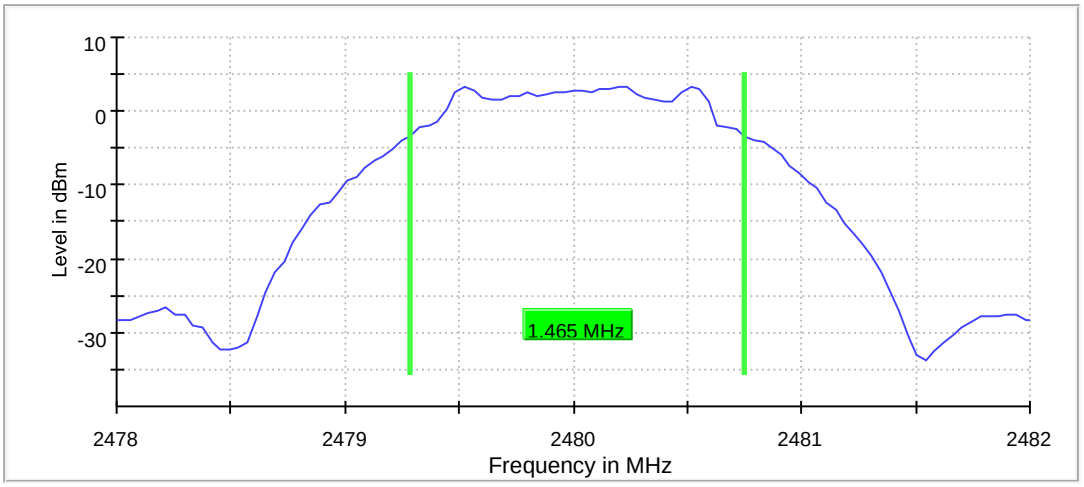
6 dB Bandwidth

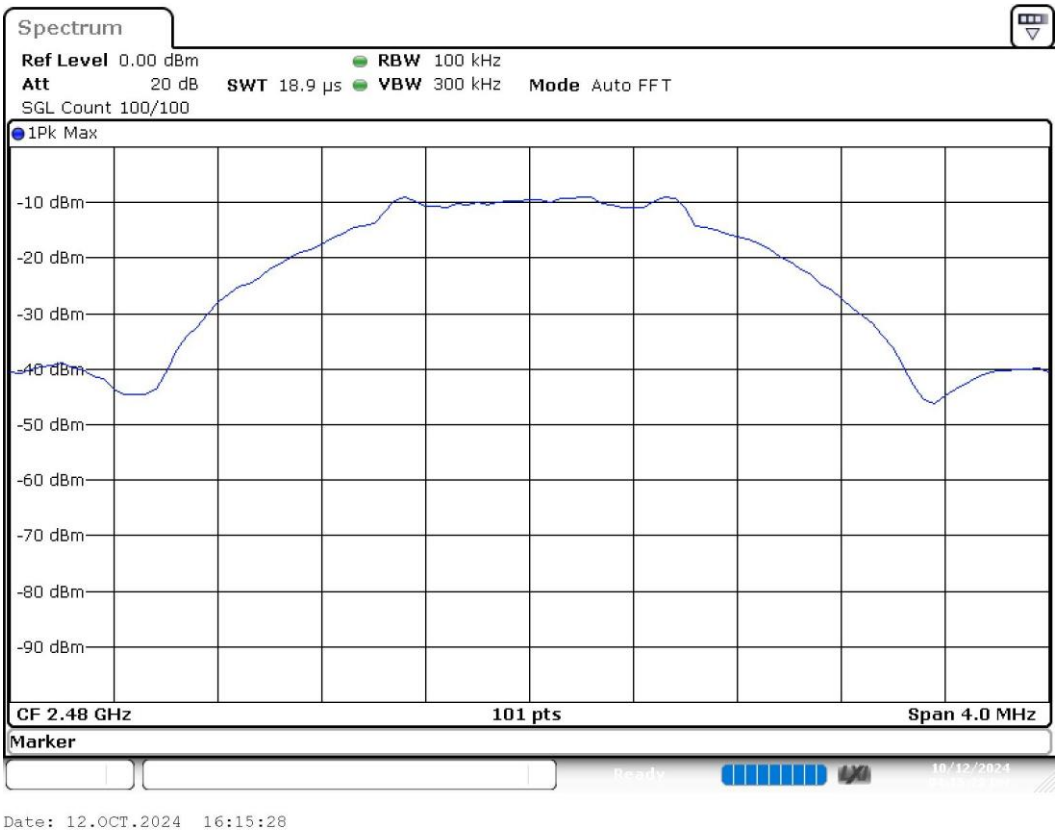




Screenshot: Occupied 6 dB bandwidth Measurement, high channel, 2M bandwidth operation (AH40)

6 dB Bandwidth





Screenshot: Occupied 6 dB bandwidth Measurement, high channel, 2M bandwidth operation (AH20)

Test result, model AH40

Mode of Operation	Channel [MHz]	6 dB BW [MHz]
1MHz BW, Lower	2402	0.752476
2MHz BW, Lower	2402	1.426
1MHz BW, Mid	2440	0.772278
2MHz BW, Mid	2440	1.426
1MHz BW, Upper	2480	0.752476
2MHz BW, Upper	2480	1.386

Test result, model AH20

Mode of Operation	Channel [MHz]	6 dB BW [MHz]
1MHz BW, Lower	2402	0.712872
2MHz BW, Lower	2402	1.465
1MHz BW, Mid	2440	0.712872
2MHz BW, Mid	2440	1.426
1MHz BW, Upper	2480	0.752476
2MHz BW, Upper	2480	1.465

11 99 % BANDWIDTH

Date of test:	4 October 2024	**Test location:**	TS8997
EUT Serial:	00.12.4B.00.2E.1A.11.29 00.12.4B.00.2E.18.82.9C	**Ambient temp:**	20°C
Tested by:	Nahome Micheal Sandipan Basu Björn Utermöhl	**Relative humidity:**	34%
Test result:	Pass	**Margin:**	NA

11.1 Test set-up and test procedure.

The test method is in accordance with RSS-GEN section 6.7.

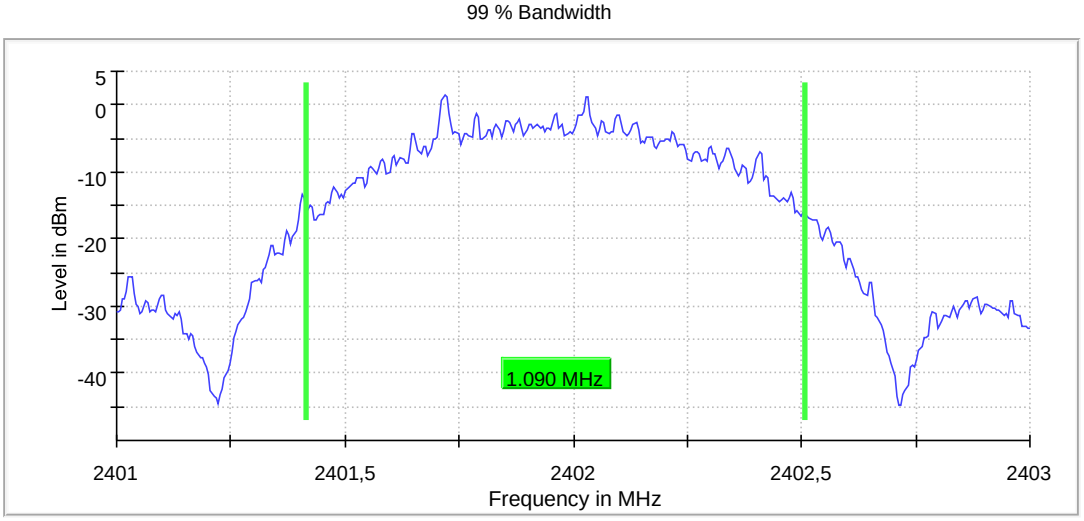
The EUT was connected to spectrum analyser via rf-cable and attenuator. Spectrum analyser with occupied bandwidth measurement function is used to determine the occupied bandwidth.

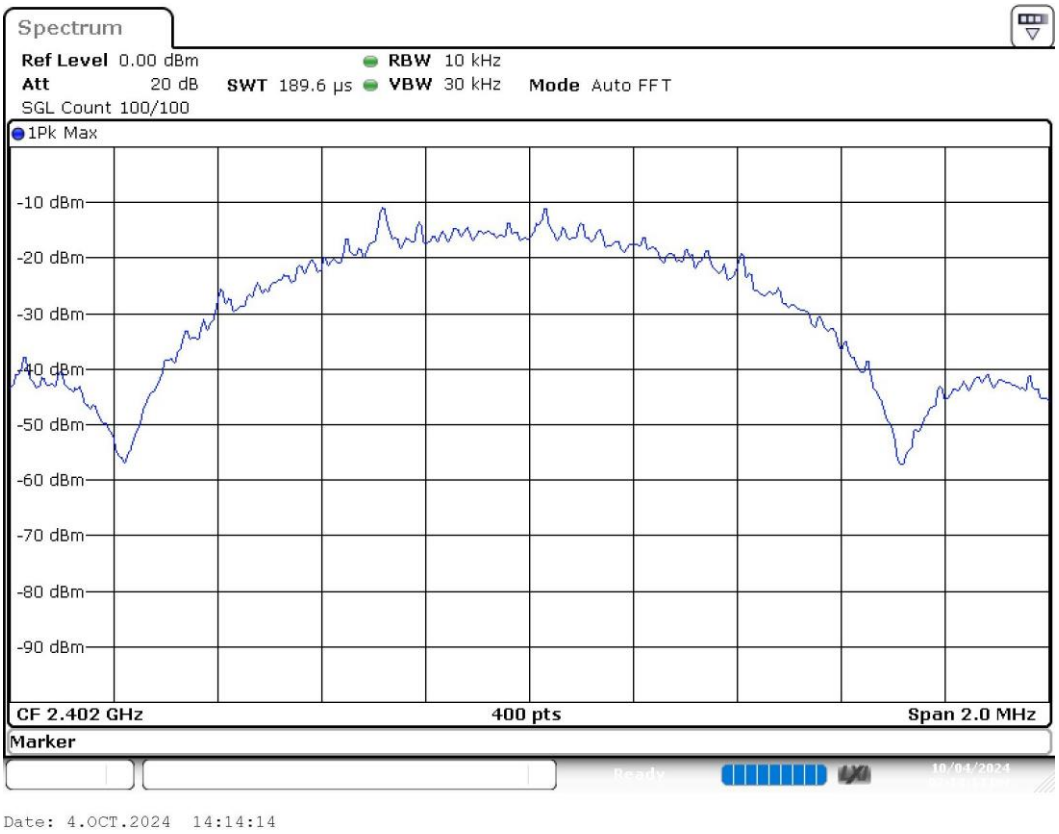
11.2 Test conditions

Detector: Peak,
RBW: 1 – 5 % of OBW
VBW: 3 x RBW

The EUT was set up according to section 2.4, in order to emit the highest emission.

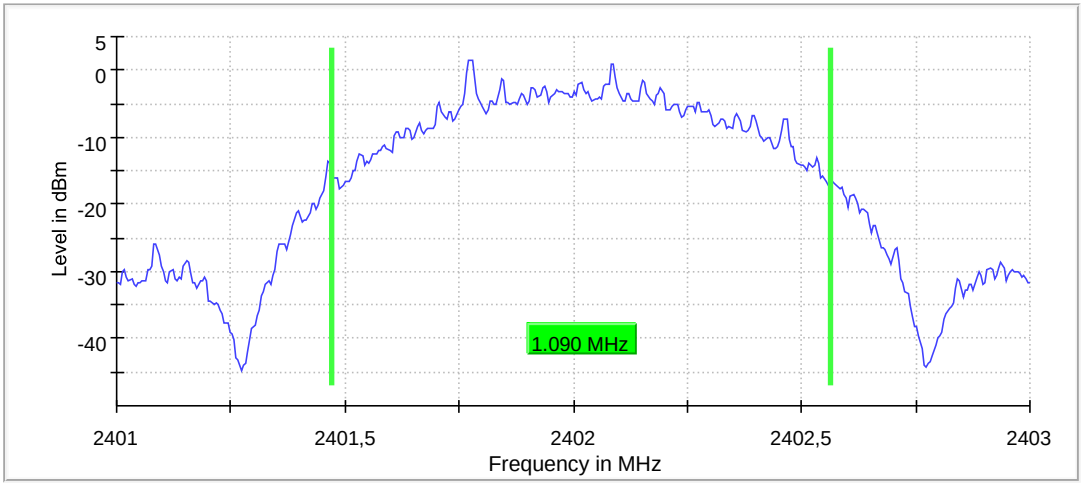
11.3 Test results

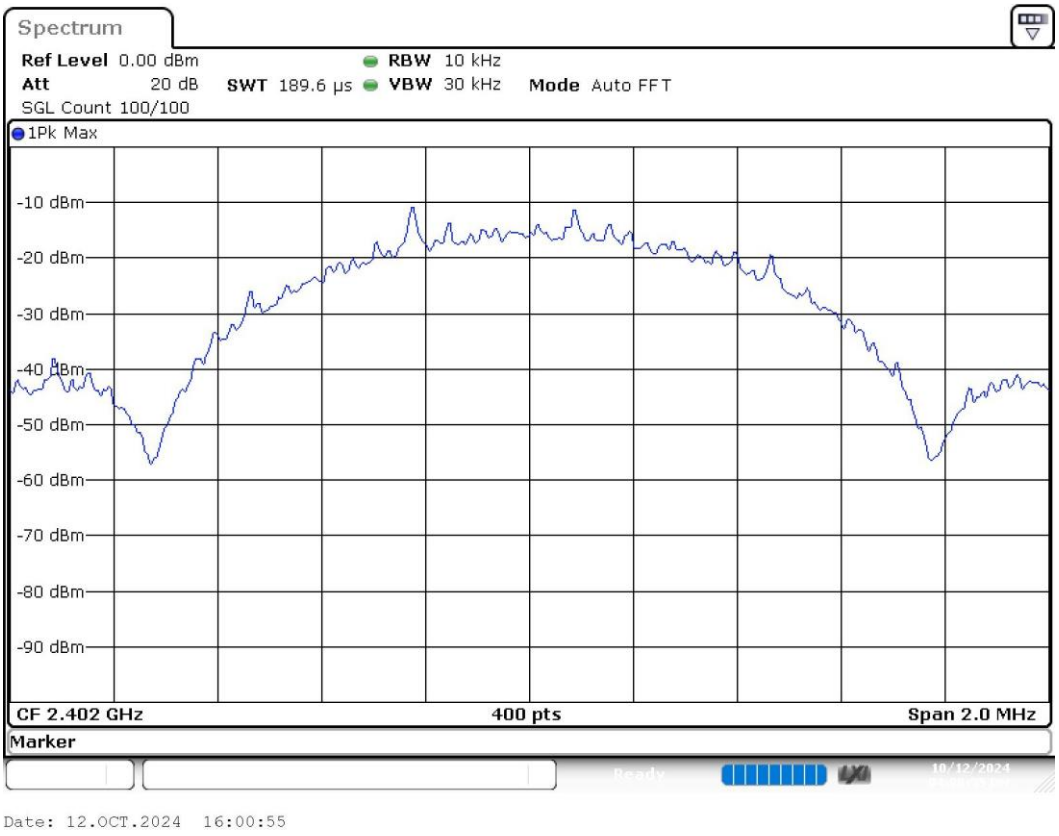




Screenshot: 99 % bandwidth Measurement, low channel, 1M bandwidth operation. (AH40)

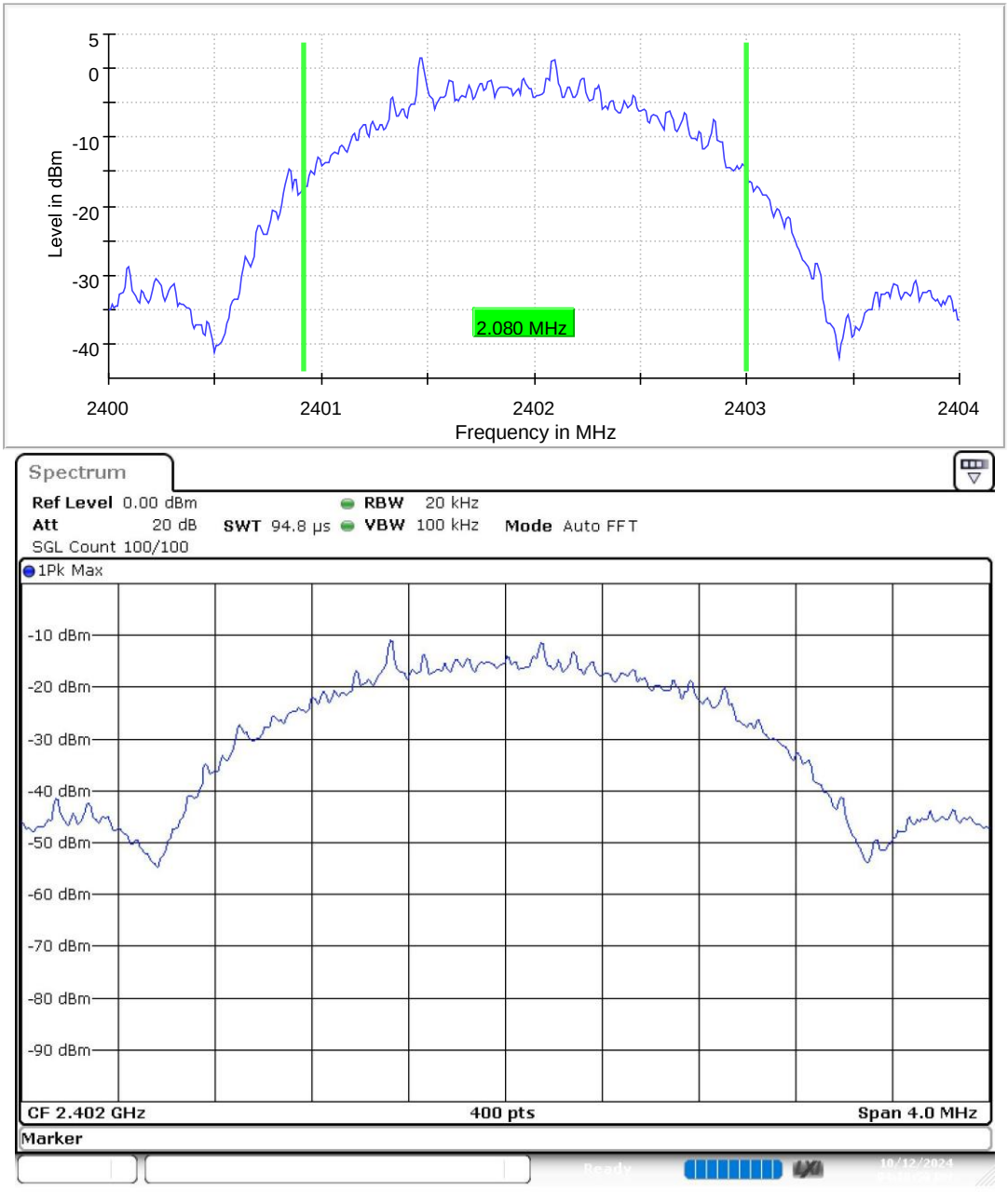
99 % Bandwidth





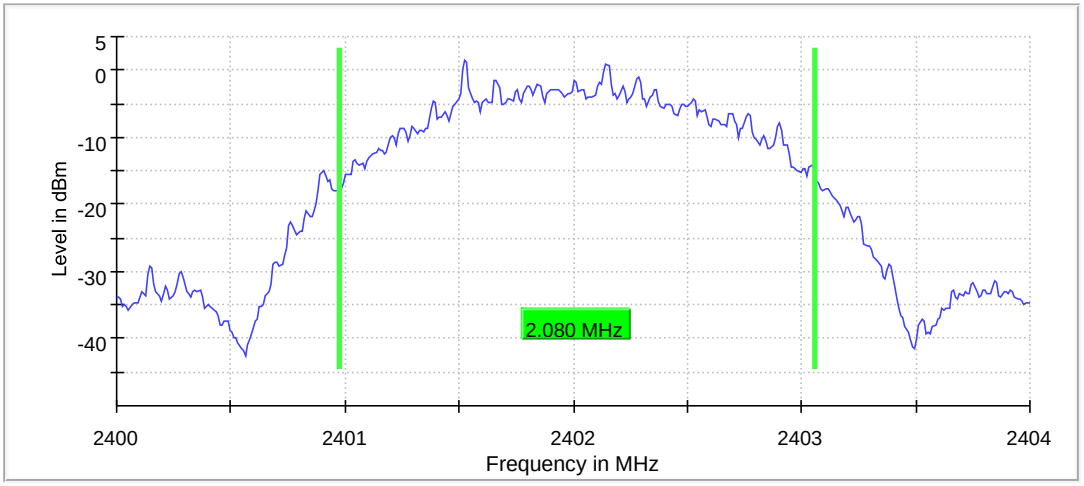
Screenshot: 99 % bandwidth Measurement, low channel, 1M bandwidth operation. (AH20)

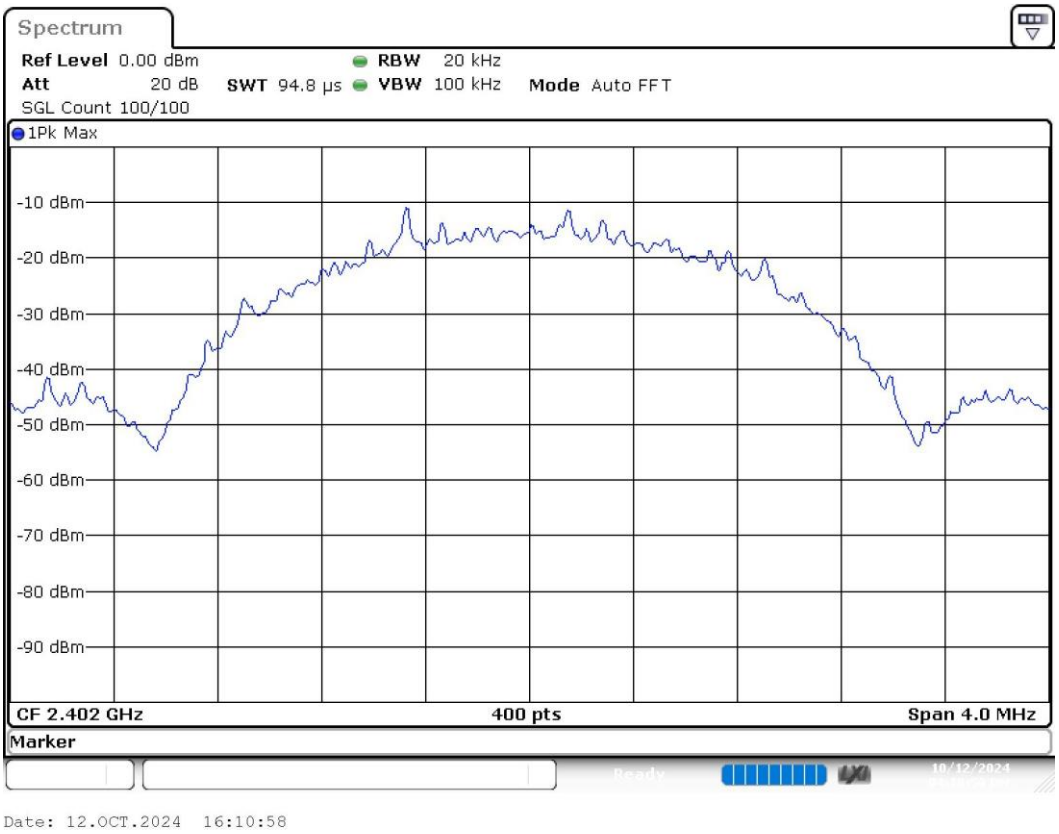
99 % Bandwidth



Screenshot: 99 % bandwidth Measurement, low channel, 2M bandwidth operation. (AH40)

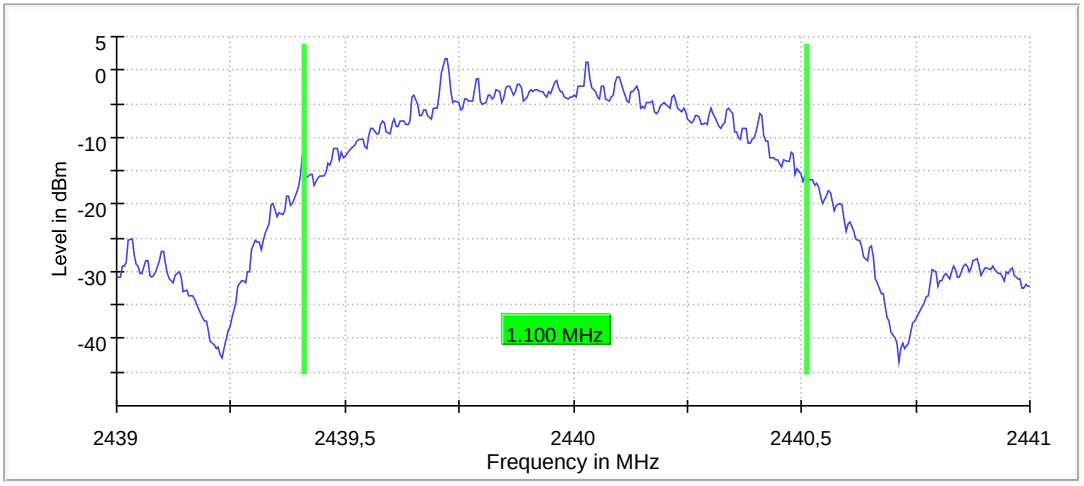
99 % Bandwidth

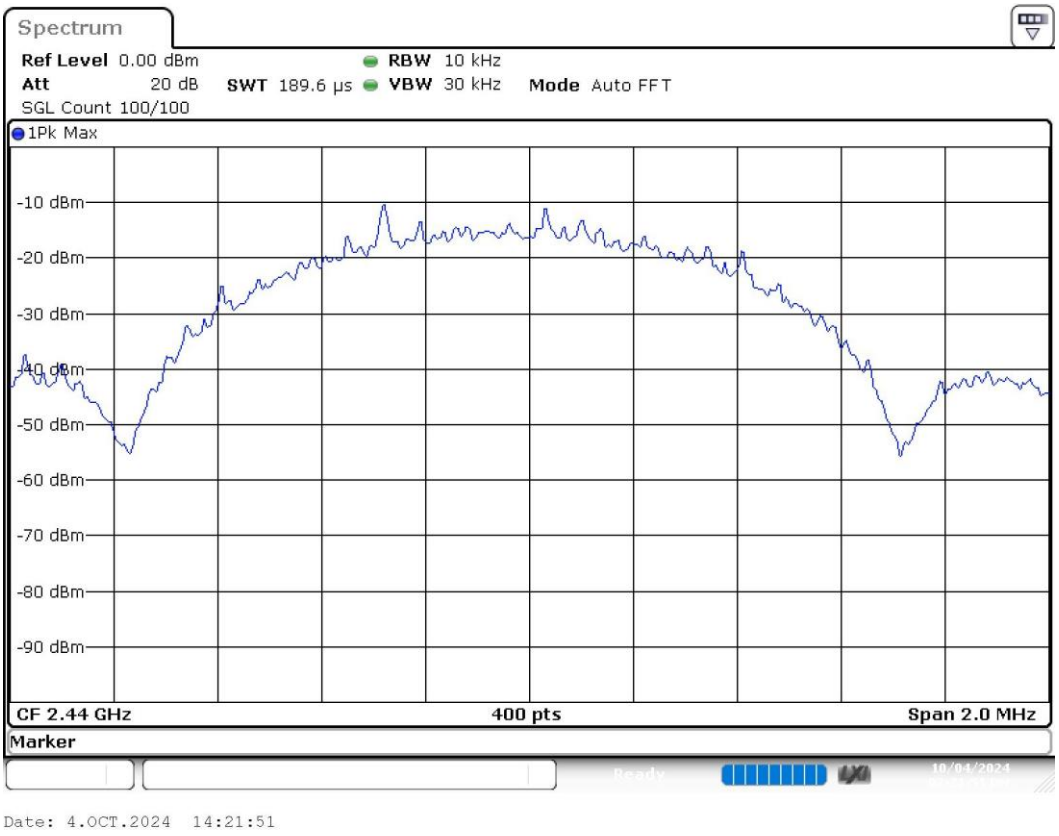




Screenshot: 99 % bandwidth Measurement, low channel, 2M bandwidth operation. (AH20)

99 % Bandwidth





Screenshot: 99 % bandwidth Measurement, middle channel, 1M bandwidth operation. (AH40)