



Engineering Solutions & Electromagnetic Compatibility Services

**FCC & ISED Certification Report**

**Harris Corporation**  
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**Model: XL-400P**  
**Multi-Band Portable, V/U/7/8**

**FCC ID: OWDTR-0164-E**  
**IC: 3636B-0164**

**March 28, 2021**

| Standards Referenced for this Report |                                                                                                   |
|--------------------------------------|---------------------------------------------------------------------------------------------------|
| Part 2: 2019                         | Frequency Allocations and Radio Treaty Matters; General Rules and Regulations                     |
| Part 15: 2019                        | Radio Frequency Devices                                                                           |
| Part 22: 2019                        | Public Mobile Services                                                                            |
| Part 74: 2019                        | Experimental Radio, Auxiliary, Special Broadcast and Other Program Distributional Services        |
| Part 80: 2019                        | Stations In The Maritime Services                                                                 |
| Part 90: 2019                        | Private Land Portable Radio Services                                                              |
| ANSI C63.26-2017                     | American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services |
| RSS-119 Issue 12                     | Land Mobile and Fixed Radio Transmitters and Receivers 27.41 to 960.0 MHz                         |

**Report Prepared By: Daniel W. Baltzell**

**Document Number: 2020155TNF**

I, the undersigned, hereby declare that the equipment tested and referenced in this report conforms to the identified standard(s) as described in this test report. No modifications were made to the equipment during testing in order to achieve compliance with these standards. Furthermore, there was no deviation from, additions to, or exclusions from the standards referenced above.

Signature: 

Date: March 28, 2021

Typed/Printed Name: Desmond A. Fraser

Position: President

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*This report replaces R1.1.*

*These tests are accredited and meet the requirements of ISO/IEC 17025 as verified by ANAB.*  
*Refer to certificate and scope of accreditation AT-1445.*

| Grant Note | FCC Rule Part  | Frequency Range (MHz) | Rated Conducted Output Power (W) | Frequency Tolerance (ppm) | Emission Designator | Transmit Mode                                     |
|------------|----------------|-----------------------|----------------------------------|---------------------------|---------------------|---------------------------------------------------|
| EF         | 22, 74, 80     | 136 – 174             | 6.0                              | 0.1                       | 16K0F3E             | Analog FM (Wideband)                              |
| EF         | 22, 74, 80     | 378 – 406.0           | 5.0                              | 0.1                       | 16K0F3E             |                                                   |
| EF         | 22, 74, 80     | 406.1 - 522           | 5.0                              | 0.1                       | 16K0F3E             |                                                   |
| EF         | 90             | 763 – 775             | 3.0                              | 0.1                       | 16K0F3E             |                                                   |
| EF         | 90             | 793 – 805             | 3.0                              | 0.1                       | 16K0F3E             |                                                   |
| EF         | 90             | 806 – 825             | 3.0                              | 0.1                       | 16K0F3E             |                                                   |
| EF         | 90             | 851 – 870             | 3.0                              | 0.1                       | 16K0F3E             |                                                   |
| EF         | 22, 74, 80     | 136 – 174             | 6.0                              | 0.1                       | 16K0F1D/E           | 2-level FSK 9600 Data/Digital Voice (Wideband)    |
| EF, ES     | 22, 74, 80, 90 | 378 – 406.0           | 5.0                              | 0.1                       | 16K0F1D/E           |                                                   |
| EF, ES     | 22, 74, 80, 90 | 406.1 – 522           | 5.0                              | 0.1                       | 16K0F1D/E           |                                                   |
| EF         | 90             | 763 – 775             | 3.0                              | 0.1                       | 16K0F1D/E           |                                                   |
| EF         | 90             | 793 – 805             | 3.0                              | 0.1                       | 16K0F1D/E           |                                                   |
| EF         | 90             | 806 – 825             | 3.0                              | 0.1                       | 16K0F1D/E           |                                                   |
| EF         | 90             | 851 – 870             | 3.0                              | 0.1                       | 16K0F1D/E           |                                                   |
| EF         | 90             | 806 – 825             | 3.0                              | 0.1                       | 14K0F3E             | Analog FM (NPSPAC)                                |
| EF         | 90             | 851 – 870             | 3.0                              | 0.1                       | 14K0F3E             |                                                   |
| EF         | 90             | 806 – 825             | 3.0                              | 0.1                       | 14K0F1D/E           | 2-level FSK 9600 Data/Digital Voice (NPSPAC)      |
| EF         | 90             | 851 – 870             | 3.0                              | 0.1                       | 14K0F1D/E           |                                                   |
| EF, ES     | 22, 74, 80, 90 | 136 – 174             | 6.0                              | 0.1                       | 11K0F3E             | Analog FM (Narrowband)                            |
| EF, ES     | 22, 74, 80, 90 | 378 – 406.0           | 5.0                              | 0.1                       | 11K0F3E             |                                                   |
| EF, ES     | 22, 74, 80, 90 | 406.1 – 522           | 5.0                              | 0.1                       | 11K0F3E             |                                                   |
| EF         | 90             | 763 – 775             | 3.0                              | 0.1                       | 11K0F3E             |                                                   |
| EF         | 90             | 793 – 805             | 3.0                              | 0.1                       | 11K0F3E             |                                                   |
| EF         | 90             | 806 – 825             | 3.0                              | 0.1                       | 11K0F3E             |                                                   |
| EF         | 90             | 851 – 870             | 3.0                              | 0.1                       | 11K0F3E             |                                                   |
| EF, ES     | 22, 74, 80, 90 | 136 – 174             | 6.0                              | 0.1                       | 11K7F1D/E           | 2-level FSK 9600 Data/Digital Voice (Narrowband)  |
| EF, ES     | 22, 74, 80, 90 | 378 – 406.0           | 5.0                              | 0.1                       | 11K7F1D/E           |                                                   |
| EF, ES     | 22, 74, 80, 90 | 406.1 – 522           | 5.0                              | 0.1                       | 11K7F1D/E           |                                                   |
| EF         | 90             | 763 – 775             | 3.0                              | 0.1                       | 11K7F1D/E           |                                                   |
| EF         | 90             | 793 – 805             | 3.0                              | 0.1                       | 11K7F1D/E           |                                                   |
| EF         | 90             | 806 – 825             | 3.0                              | 0.1                       | 11K7F1D/E           |                                                   |
| EF         | 90             | 851 – 870             | 3.0                              | 0.1                       | 11K7F1D/E           |                                                   |
| EF, ES     | 22, 74, 80, 90 | 136 – 174             | 6.0                              | 0.1                       | 7K10F1D/E           | 2-level FSK 4800 Data/Digital Voice (XNarrowband) |
| EF, ES     | 22, 74, 80, 90 | 378 – 406.0           | 5.0                              | 0.1                       | 7K10F1D/E           |                                                   |
| EF, ES     | 22, 74, 80, 90 | 406.1 – 522           | 5.0                              | 0.1                       | 7K10F1D/E           |                                                   |

|        |                |             |     |     |           |                            |
|--------|----------------|-------------|-----|-----|-----------|----------------------------|
| EF, ES | 22, 74, 80, 90 | 136 – 174   | 6.0 | 0.1 | 8K40F1D/E | C4FM<br>Data/Voice         |
| EF, ES | 22, 74, 80, 90 | 378 – 406.0 | 5.0 | 0.1 | 8K40F1D/E |                            |
| EF, ES | 22, 74, 80, 90 | 406.1 – 522 | 5.0 | 0.1 | 8K40F1D/E |                            |
| EF     | 90             | 763 – 775   | 3.0 | 0.1 | 8K40F1D/E |                            |
| EF     | 90             | 793 – 805   | 3.0 | 0.1 | 8K40F1D/E |                            |
| EF     | 90             | 806 – 825   | 3.0 | 0.1 | 8K40F1D/E |                            |
| EF     | 90             | 851 – 870   | 3.0 | 0.1 | 8K40F1D/E |                            |
| EF, ES | 22, 74, 80, 90 | 136 – 174   | 6.0 | 0.1 | 8K10DXW   | H-CPM (TDMA)<br>Data/Voice |
| EF, ES | 22, 74, 80, 90 | 378 – 406.0 | 5.0 | 0.1 | 8K10DXW   |                            |
| EF, ES | 22, 74, 80, 90 | 406.1 – 522 | 5.0 | 0.1 | 8K10DXW   |                            |
| EF     | 90             | 763 – 775   | 3.0 | 0.1 | 8K10DXW   |                            |
| EF     | 90             | 793 – 805   | 3.0 | 0.1 | 8K10DXW   |                            |
| EF     | 90             | 806 – 825   | 3.0 | 0.1 | 8K10DXW   |                            |
| EF     | 90             | 851 – 870   | 3.0 | 0.1 | 8K10DXW   |                            |
| EF     | 90             | 806 – 825   | 3.0 | 0.1 | 18K5F1W   | HVD-SMR                    |
| EF     | 90             | 851 – 870   | 3.0 | 0.1 | 18K5F1W   |                            |
| EF     | 90             | 806 – 825   | 3.0 | 0.1 | 12K9F1W   | HVD-NPSPAC                 |
| EF     | 90             | 851 – 870   | 3.0 | 0.1 | 12K9F1W   |                            |

*\*low power itinerant channels are limited to 2 W ERP.*

This device contains functions that are not operational in U.S Territories except as noted in the filing. The grant is requested to list extended frequencies as noted in the filing and Section 2.927(b) applies to this application.

Additionally, as this is a combined FCC and ISED test report, there are test frequencies contained within this report that may not be authorized for use in either the United States or Canada.

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## 1 Test Summary

| Test                                               | FCC Reference                                                                      | ISED Reference   | Result   |
|----------------------------------------------------|------------------------------------------------------------------------------------|------------------|----------|
| RF Power Output                                    | 2.1046(a), 90.541(d), 90.205, 90.635, 90.542(a)(7); 80.215, 74.461, 22.565, 22.659 | RSS-119 4.1, 5.4 | Complies |
| Spurious Emissions at Antenna Terminals            | 2.1051, 22.359, 74.462, 80.211, 90.210                                             | RSS-119 5.5, 5.8 | Complies |
| Field Strength of Spurious Radiation               | 2.1053(a), 22.359, 80.211(f)(3), 90.210, 90.543(f)(3)                              | RSS-119 5.5, 5.8 | Complies |
| Occupied Bandwidth/<br>Emission Masks              | 2.1049(c)(1), 22.359(b), 74.462, 80.205, 80.211, 90.210                            | RSS-119 5.5, 5.8 | Complies |
| Adjacent Channel Power                             | 90.543                                                                             | RSS-119 4.3      | Complies |
| Frequency Stability vs.<br>Temperature and Voltage | 2.1055, 22.355, 74.464, 80.209, 90.213, 90.539                                     | RSS-119 5.3      | Complies |
| Modulation Characteristics                         | 2.1047(a)(b), 74.463, 80.213                                                       | RSS-119 5.2      | Complies |
| Transient Frequency Response                       | 74.462(c), 90.214                                                                  | RSS-119 5.9      | N/A      |

## 2 General Information

The following certification report is prepared on behalf of **L3Harris** in accordance with the Federal Communications Commission. The Equipment Under Test (EUT) was the **XL Fire Radio XL-400P**, FCC ID: OWDTR-0164-E, IC: 3636B-0164.

All measurements contained in this application were conducted in accordance with the applicable sections of FCC Rules and Regulations CFR 47 Parts 2 and 90. Calibration checks are performed regularly on the instruments, and all accessories including high pass filter, coaxial attenuator, preamplifier and cables.

### 2.1 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located on the parking lot of Rhein Tech Laboratories, Inc. 360 Herndon Parkway, Suite 1400, Herndon, Virginia 20170. This site has been fully described in a report submitted to, and approved by, the Federal Communications Commission to perform AC line conducted and radiated emissions testing.

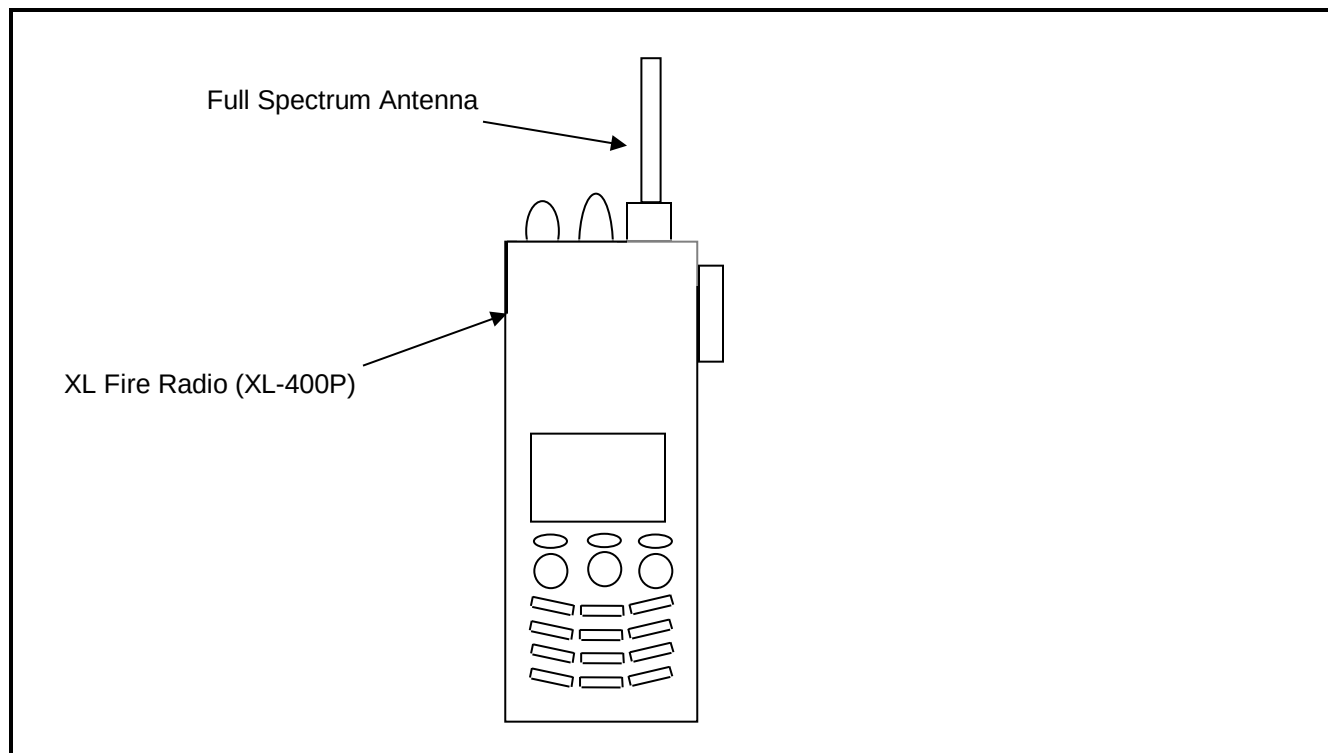
## 2.2 Tested System Details

The test sample was received on February 4, 2021. Listed below are the identifiers and descriptions of all equipment, cables, and internal devices used with the EUT for this test, as applicable. The device was programmed for multiple modes of operation and modulation types.

**Table 2-1: Equipment Under Test (EUT)**

| Part                                      | Manufacturer | Model         | PN/SN      | RTL Bar Code |
|-------------------------------------------|--------------|---------------|------------|--------------|
| Radio                                     | L3Harris     | XL-400P       | FR EVM 012 | 23791        |
| Antenna, Flex, Helical, Xtrm, 136-870 MHz | L3Harris     | 14100-4300-01 | 60         | 23792        |
| Battery, Li-Ion, FGD                      | L3Harris     | 14100-4000-01 | 24         | N/A          |
| Battery, Li-Ion, FGD                      | L3Harris     | 14100-4000-01 | 52         | N/A          |

**Figure 2-1: Configuration of Tested System**



### 3 FCC Part 2.1033(C)(8): Voltages and Currents through the Final Amplifying Stage

7.2VDC / 1.6 A

### 4 FCC Part 2.1046(a): RF power output: Conducted; Parts 90.205, 90.635, and 90.541(d) Transmitting power and antenna height requirements; §90.542(a)(7): Broadband Transmitting Power Limits; §80.215: Transmitter Power; §22.565: Transmitting power limits; §22.659: Effective Radiated Power Limits; Part 74.461: Transmitter Power; ISED RSS-119 4.1: Transmitter Output Power

#### 4.1 Test Procedure

ANSI C63-26, section 5.2

The EUT was connected to a coaxial attenuator having a 50  $\Omega$  load impedance.

**Manufacturer's Rated Power:** VHF: 6.0 W; UHF: 5.0 W; 700 MHz band: 3.0 W; 800 MHz band: 3.0 W

#### 4.2 Test Data

**Table 4-1: RF Conducted Output Power - Measured**

| Frequency (MHz) | Power (dBm) | Power (W) |
|-----------------|-------------|-----------|
| 136.0125        | 38.2        | 6.5       |
| 138.0125        | 38.1        | 6.5       |
| 141.0125        | 38.0        | 6.4       |
| 143.9875        | 38.1        | 6.5       |
| 148.0125        | 38.2        | 6.6       |
| 150.0125        | 38.2        | 6.6       |
| 156.8000        | 38.2        | 6.7       |
| 162.0125        | 38.3        | 6.7       |
| 173.9875        | 38.1        | 6.5       |
| 378.0125        | 37.3        | 5.4       |
| 406.1125        | 37.5        | 5.6       |
| 418.0000        | 37.4        | 5.5       |
| 429.9875        | 37.4        | 5.5       |
| 450.0125        | 37.4        | 5.5       |
| 453.9875        | 37.4        | 5.5       |
| 456.0125        | 37.4        | 5.6       |
| 459.0250        | 37.4        | 5.6       |
| 459.9750        | 37.5        | 5.6       |
| 469.9875        | 37.5        | 5.7       |
| 511.9875        | 37.2        | 5.3       |
| 521.9875        | 37.2        | 5.2       |
| 763.0000        | 34.3        | 2.7       |
| 768.0125        | 34.3        | 2.7       |
| 769.0125        | 34.4        | 2.7       |

| Frequency (MHz) | Power (dBm) | Power (W) |
|-----------------|-------------|-----------|
| 772.0000        | 34.4        | 2.8       |
| 774.9875        | 34.5        | 2.8       |
| 775.9875        | 34.5        | 2.8       |
| 793.0125        | 34.4        | 2.7       |
| 798.0125        | 34.3        | 2.7       |
| 799.0125        | 34.3        | 2.7       |
| 802.0125        | 34.3        | 2.7       |
| 804.9875        | 34.2        | 2.6       |
| 805.9875        | 34.2        | 2.6       |
| 806.0125        | 35.2        | 3.3       |
| 815.0000        | 35.2        | 3.3       |
| 823.9875        | 35.2        | 3.3       |
| 824.9875        | 35.2        | 3.3       |
| 851.0125        | 35.4        | 3.5       |
| 860.0000        | 35.5        | 3.5       |
| 868.9875        | 35.4        | 3.5       |
| 869.9875        | 35.4        | 3.5       |

Notes: Data presented is for analog mode. All other modes were investigated and found to have equivalent power within measurement tolerances.

**Table 4-2: Test Equipment Used For Testing RF Power Output - Conducted**

| RTL Asset # | Manufacturer        | Model            | Part Type                           | Serial Number | Calibration Due Date |
|-------------|---------------------|------------------|-------------------------------------|---------------|----------------------|
| 901581      | Rohde & Schwarz     | FSU              | Spectrum Analyzer                   | 1166.1660.50  | 4/26/21              |
| 901139      | MCE Weinschel       | 48-20-34         | Attenuator, 20 dB, DC-18 GHz, 100 W | BK5859        | 5/4/21               |
| 901727      | Insulated Wire Inc. | KPS-1503-360-KPR | SMK RF Cables 36"                   | NA            | 9/14/21              |
| 901350      | Meterman            | 33XR             | Multimeter                          | 040402802     | 9/20/21              |

Measurement uncertainties shown for these tests are expanded uncertainties expressed at the 95% confidence level using a coverage factor K=2. Measurement uncertainty:  $\pm 0.5$  Hz/ $\pm 0.5$  dB

**Results: Pass**

**Test Personnel:**

|                                         |                                                                                                  |                                            |
|-----------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------|
| Daniel W. Baltzell<br>EMC Test Engineer | <br>Signature | February 4-March 26, 2021<br>Dates of Test |
|-----------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------|

**5 FCC Part 2.1051: Spurious Emissions at Antenna Terminals; Part 74.462: Authorized Bandwidth and Emissions; Part 90.210: Emission Limitations; §80.211: Emission Limitations; §22.359: Emission Limitations; ISED RSS-119 5.8: Transmitter Unwanted Emissions**

**5.1 Test Procedure**

ANSI C63-26, section 5.7

The transmitter is terminated with a 50  $\Omega$  load and interfaced with a spectrum analyzer.

Device with digital modulation: Modulated to its maximum extent using a pseudo-random data sequence.

**5.2 Test Data**

Frequency range of measurement per §2.1057: 9 kHz to 10 x Fc

Limits: (43 + 10 LOG P(W)) for wideband and 50 + 10 LOG P(W)) for narrowband. A worst case limit of 50 + 10 Log P(W) was used.

The following channels (in MHz) were investigated:

| Frequency (MHz) |          |          |          |
|-----------------|----------|----------|----------|
| 136.0125        | 378.0125 | 763.0000 | 806.0125 |
| 138.0125        | 406.1125 | 768.0125 | 815.0000 |
| 141.0125        | 418.0000 | 769.0125 | 823.9875 |
| 143.9875        | 429.9875 | 772.0000 | 824.9875 |
| 148.0125        | 450.0125 | 774.9875 | 851.0125 |
| 150.0125        | 453.9875 | 775.9875 | 860.0000 |
| 156.8000        | 456.0125 | 793.0125 | 868.9875 |
| 162.0125        | 459.0250 | 798.0125 | 869.9875 |
| 173.9875        | 459.9750 | 799.0125 |          |
|                 | 469.9875 | 802.0125 |          |
|                 | 511.9875 | 804.9875 |          |
|                 | 521.9875 | 805.9875 |          |

Both high and low power settings were checked; high power was found to be worst case. All modes were investigated and analog mode is presented as representative data.

All frequencies were found to be greater than 20 dB below the limit, no data is shown.

Measurement uncertainties shown for these tests are expanded uncertainties expressed at the 95% confidence level using a coverage factor K=2. Measurement uncertainty:  $\pm 0.5$  dB

**Results: Pass**

**Table 5-1: Test Equipment Used For Testing Spurious Emissions**

| RTL Asset # | Manufacturer    | Model            | Part Type                              | Serial Number | Calibration Due Date |
|-------------|-----------------|------------------|----------------------------------------|---------------|----------------------|
| 901581      | Rohde & Schwarz | FSU              | Spectrum Analyzer                      | 1166.1660.50  | 4/26/21              |
| 901139      | MCE Weinschel   | 48-20-34         | Attenuator, 20 dB,<br>DC-18 GHz, 100 W | BK5859        | 5/4/21               |
| 901129      | Par Electronics | 188-174<br>(25W) | VHF Notch Filters                      | N/A           | 9/9/21               |
| 901135      | Par Electronics | 400-512<br>(25W) | UHF Notch Filter                       | N/A           | 9/9/21               |
| 901128      | Par Electronics | 806-902<br>(25W) | UHF Notch Filter                       | N/A           | 9/9/21               |

**Test Personnel:**

|                    |                                                                                   |                  |
|--------------------|-----------------------------------------------------------------------------------|------------------|
| Daniel W. Baltzell |  | February 5, 2021 |
| EMC Test Engineer  | Signature                                                                         | Date of Test     |

## 6 FCC Part 90.543(a): Emission Limitations: ACP Requirements; ISED RSS-119 4.3: Adjacent Channel Power (ACP) Measurement for Equipment in the Bands 764-776 MHz and 794-806 MHz

Transmitters designed to operate in the 769–775 MHz and 799–805 MHz frequency bands must meet the emission limitations in paragraphs (a) through (d) of this section.

### 6.1 Test Procedure

ANSI C63-26, section 6.5.2.4

Device with digital modulation: Modulated to its maximum extent using a pseudo-random data sequence.

For a Portable transmitter designed to operate with a 12.5 kHz channel bandwidth, the ACP shall be in accordance with the values in the following table:

| Offset from Center Frequency (kHz) | Measurement Bandwidth (kHz) | Maximum ACP Relative (dBc) |
|------------------------------------|-----------------------------|----------------------------|
| (+/-)9.375                         | 6.25                        | -40                        |
| (+/-)15.625                        | 6.25                        | -60                        |
| (+/-)21.875                        | 6.25                        | -60                        |
| (+/-)37.5                          | 25                          | -60                        |
| (+/-)62.5                          | 25                          | -65                        |
| (+/-)87.5                          | 25                          | -65                        |
| (+/-)150                           | 100                         | -65                        |
| (+/-)250                           | 100                         | -65                        |
| (+/-)350                           | 100                         | -65                        |
| >400 kHz to 12 MHz                 | 30(s)                       | -75                        |
| 12 MHz to paired receive band      | 30(s)                       | -75                        |
| In the paired receive band         | 30(s)                       | -100                       |

For a Portable transmitter designed to operate with a 25 kHz channel bandwidth, the ACP shall be in accordance with the values in the following table:

| Offset from Center Frequency (kHz) | Measurement Bandwidth (kHz) | Maximum ACP Relative (dBc) |
|------------------------------------|-----------------------------|----------------------------|
| (+/-)15.625                        | 6.25                        | -40                        |
| (+/-)21.875                        | 6.25                        | -60                        |
| (+/-)37.5                          | 25                          | -60                        |
| (+/-)62.5                          | 25                          | -65                        |
| (+/-)87.5                          | 25                          | -65                        |
| (+/-)150                           | 100                         | -65                        |
| (+/-)250                           | 100                         | -65                        |
| (+/-)350                           | 100                         | -65                        |
| >400 kHz to 12 MHz                 | 30(s)                       | -75                        |
| 12 MHz to paired receive band      | 30(s)                       | -75                        |
| In the paired receive band         | 30(s)                       | -100                       |

### **FCC Rules and Regulations §90.543(b)**

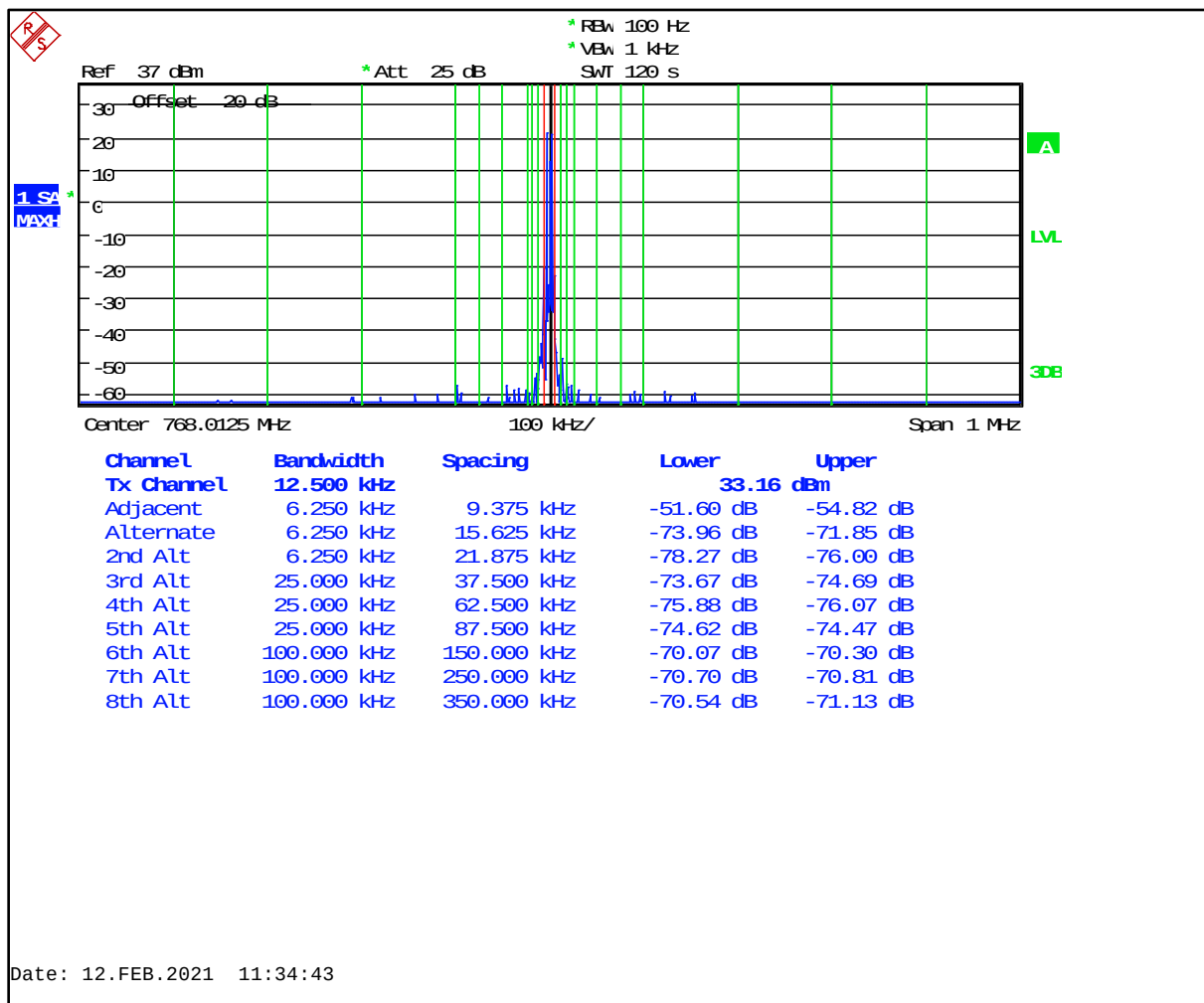
Setting Reference Level - §90.543(b)(1): Using a spectrum analyzer capable of ACP measurements, set the measurement bandwidth to the channel size. Set the frequency offset of the measurement to zero and adjust the center frequency of the spectrum analyzer to give the power level in the measurement bandwidth. Record this power as the reference power level.

Measuring the power level at the frequency offset <600 kHz - §90.543(b)(2): Using a spectrum analyzer capable of adjacent channel power (ACP) measurements, set the measurement bandwidth as shown in table. Measure ACP in dBm. These measurements are made at maximum power. Calculate the coupled power by subtracting the measurements made in this step from the reference power level. The absolute ACP values must be less than the values given in the table for each condition.

Measuring the power level at the frequency offset >600 kHz - §90.543(b)(3): Set the spectrum analyzer to 30 kHz resolution bandwidth, 1 MHz video bandwidth and sample detection mode. Sweep +/-6 MHz from the carrier frequency. Set the reference level to the RMS value of the transmitter power and note the power. The response at frequencies >600 kHz must be less than the values listed in the table.

## 6.2 Test Data

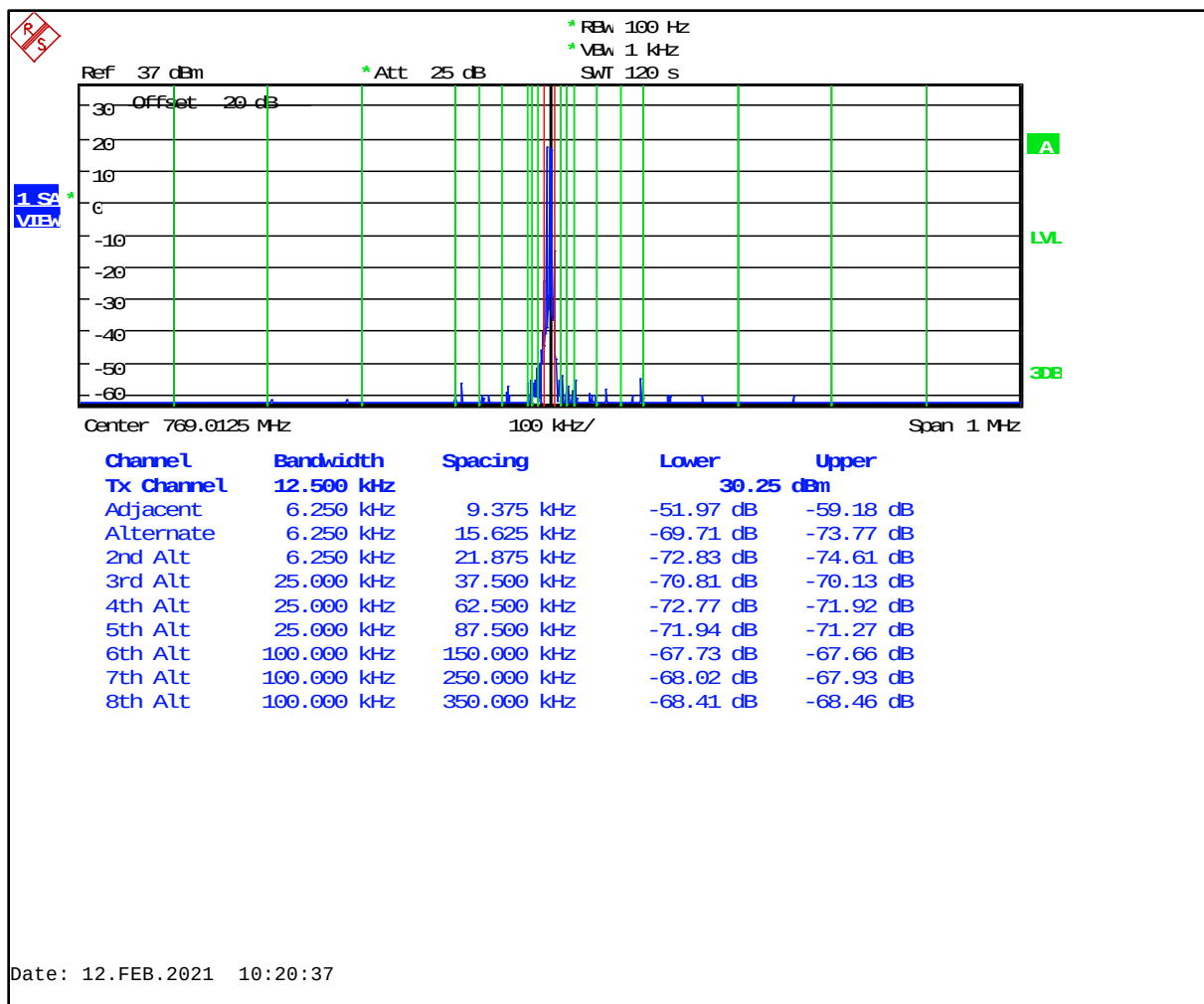
**Plot 6-1: Adjacent Channel Power - 768.0125 MHz; Analog; 12.5 kHz Channel Spacing**



**Table 6-1: Adjacent Channel Power - 768.0125 MHz; Analog; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -79.8         |
| 12 MHz to receive band             | 30(s)                | -75           | -88.2         |
| In receive band                    | 30(s)                | -100          | -107.6        |

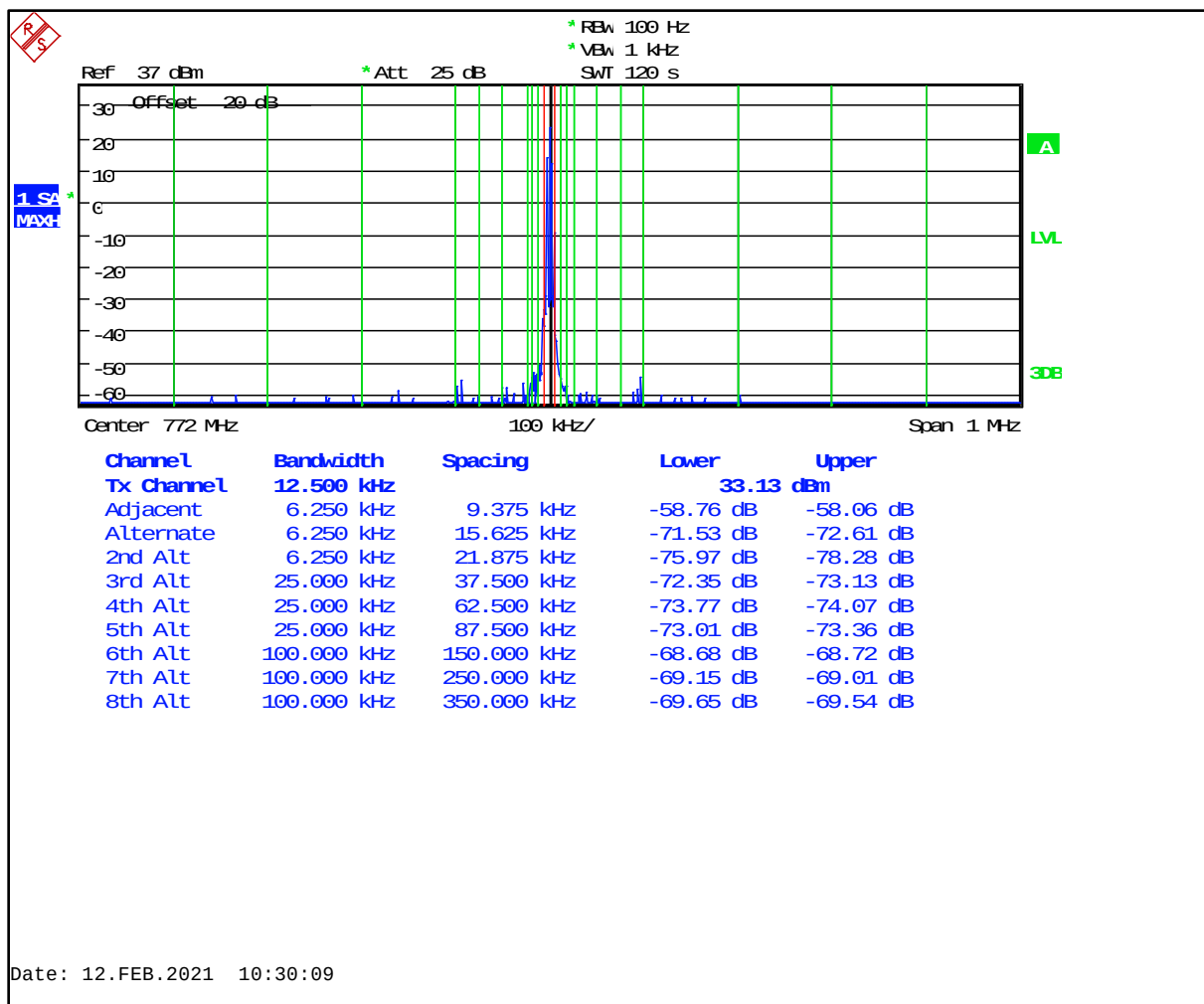
**Plot 6-2: Adjacent Channel Power - 769.0125 MHz; Analog; 12.5 kHz Channel Spacing**



**Table 6-2: Adjacent Channel Power - 769.0125 MHz; Analog; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -81.1         |
| 12 MHz to receive band             | 30(s)                | -75           | -89.7         |
| In receive band                    | 30(s)                | -100          | -110.4        |

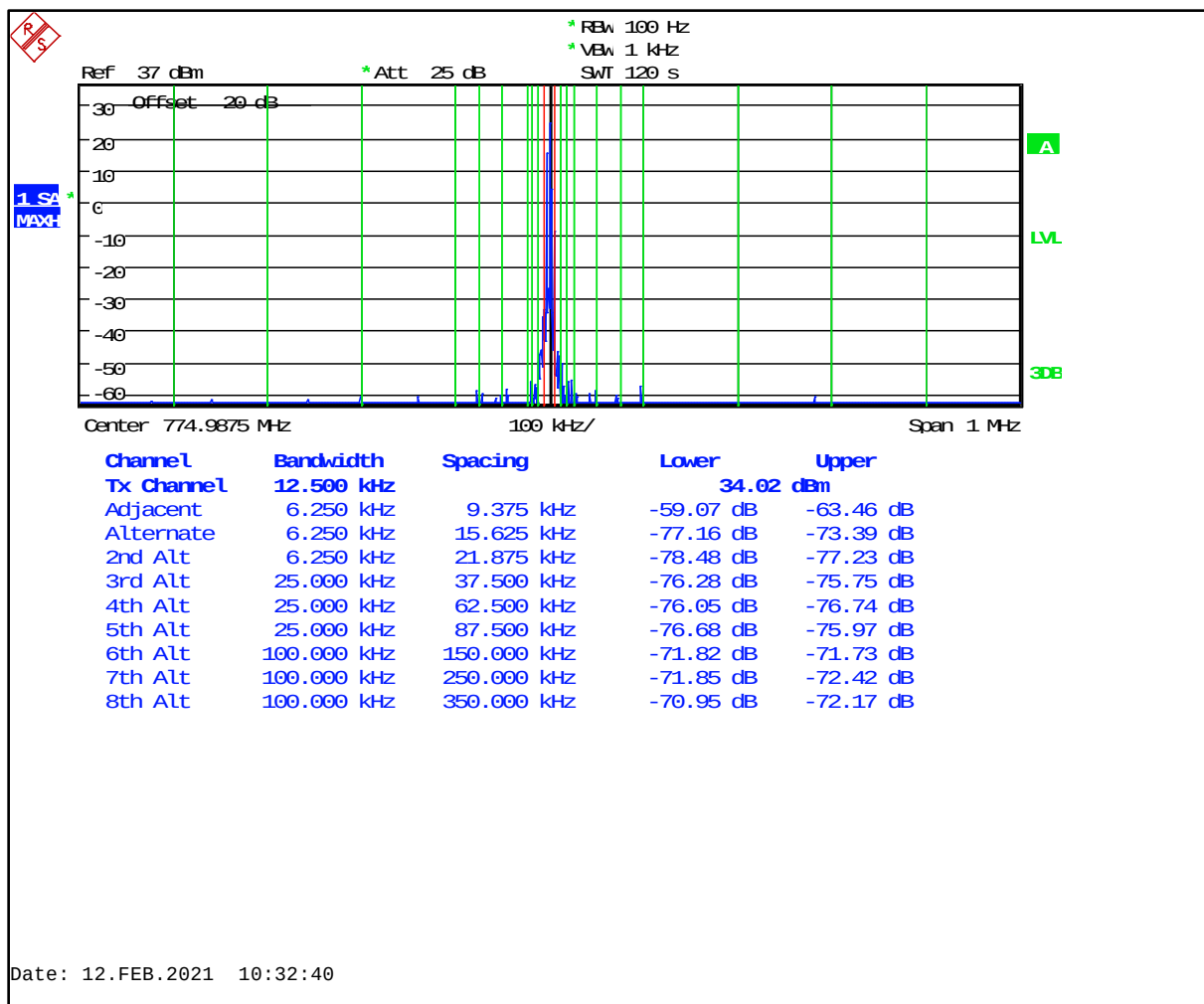
**Plot 6-3: Adjacent Channel Power - 772.0000 MHz; Analog; 12.5 kHz Channel Spacing**



**Table 6-3: Adjacent Channel Power - 772.0000 MHz; Analog; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.4         |
| 12 MHz to receive band             | 30(s)                | -75           | -89.7         |
| In receive band                    | 30(s)                | -100          | -110.7        |

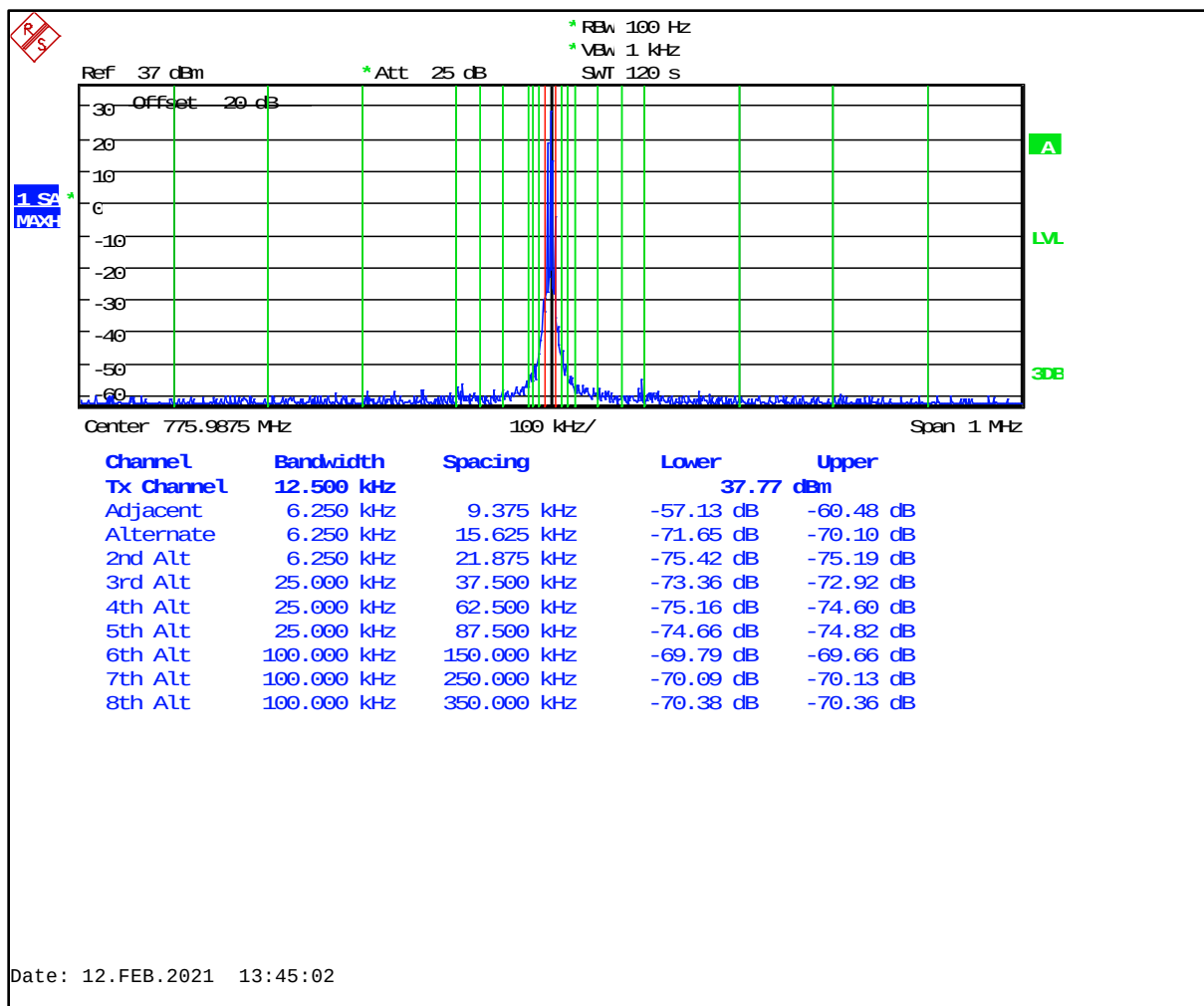
**Plot 6-4: Adjacent Channel Power - 774.9875 MHz; Analog; 12.5 kHz Channel Spacing**



**Table 6-4: Adjacent Channel Power - 774.9875 MHz; Analog; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -79.4         |
| 12 MHz to receive band             | 30(s)                | -75           | -88.2         |
| In receive band                    | 30(s)                | -100          | -111.4        |

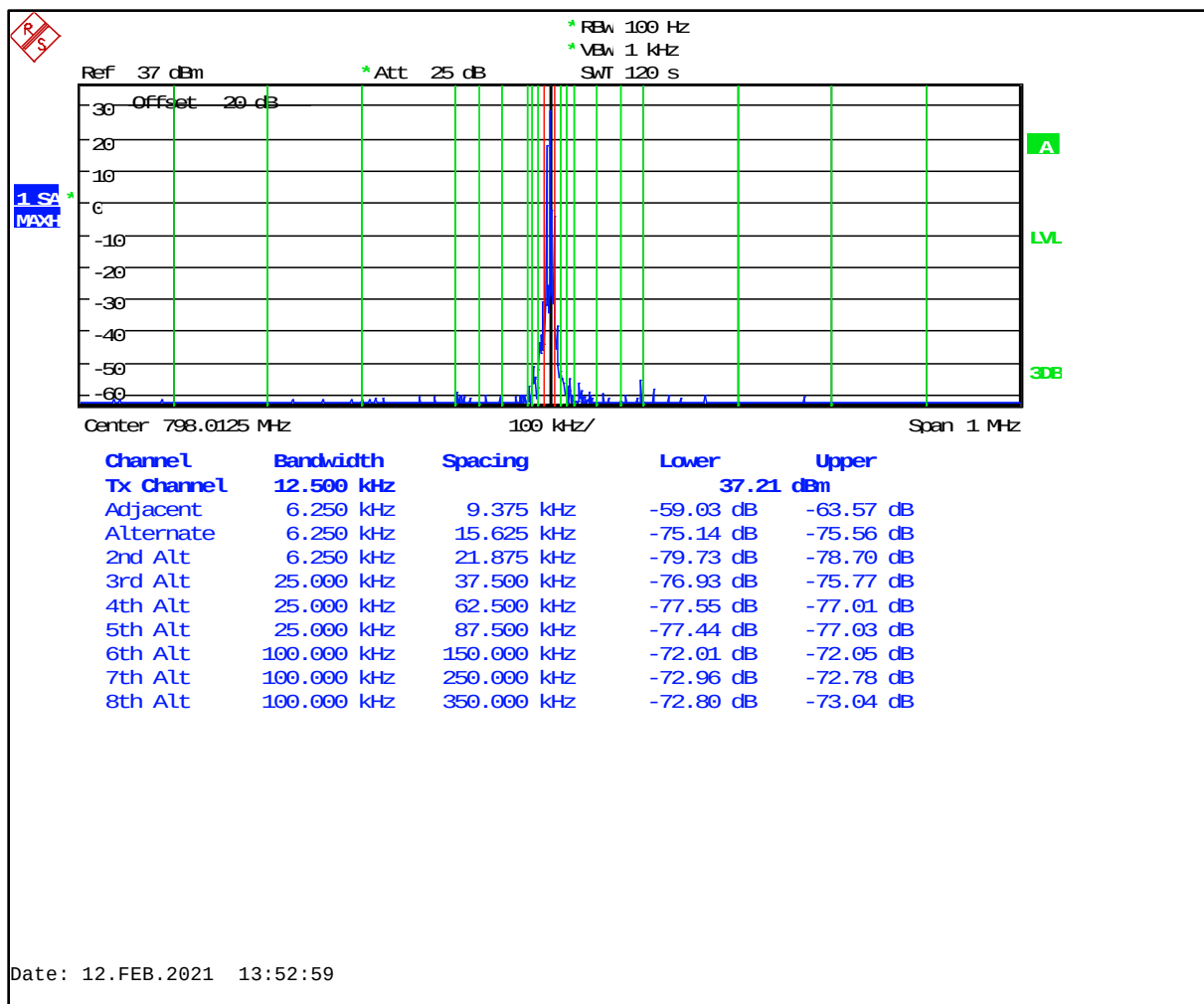
**Plot 6-5: Adjacent Channel Power - 775.9875 MHz; Analog; 12.5 kHz Channel Spacing**



**Table 6-5: Adjacent Channel Power - 775.9875 MHz; Analog; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.1         |
| 12 MHz to receive band             | 30(s)                | -75           | -89.1         |
| In receive band                    | 30(s)                | -100          | -107.6        |

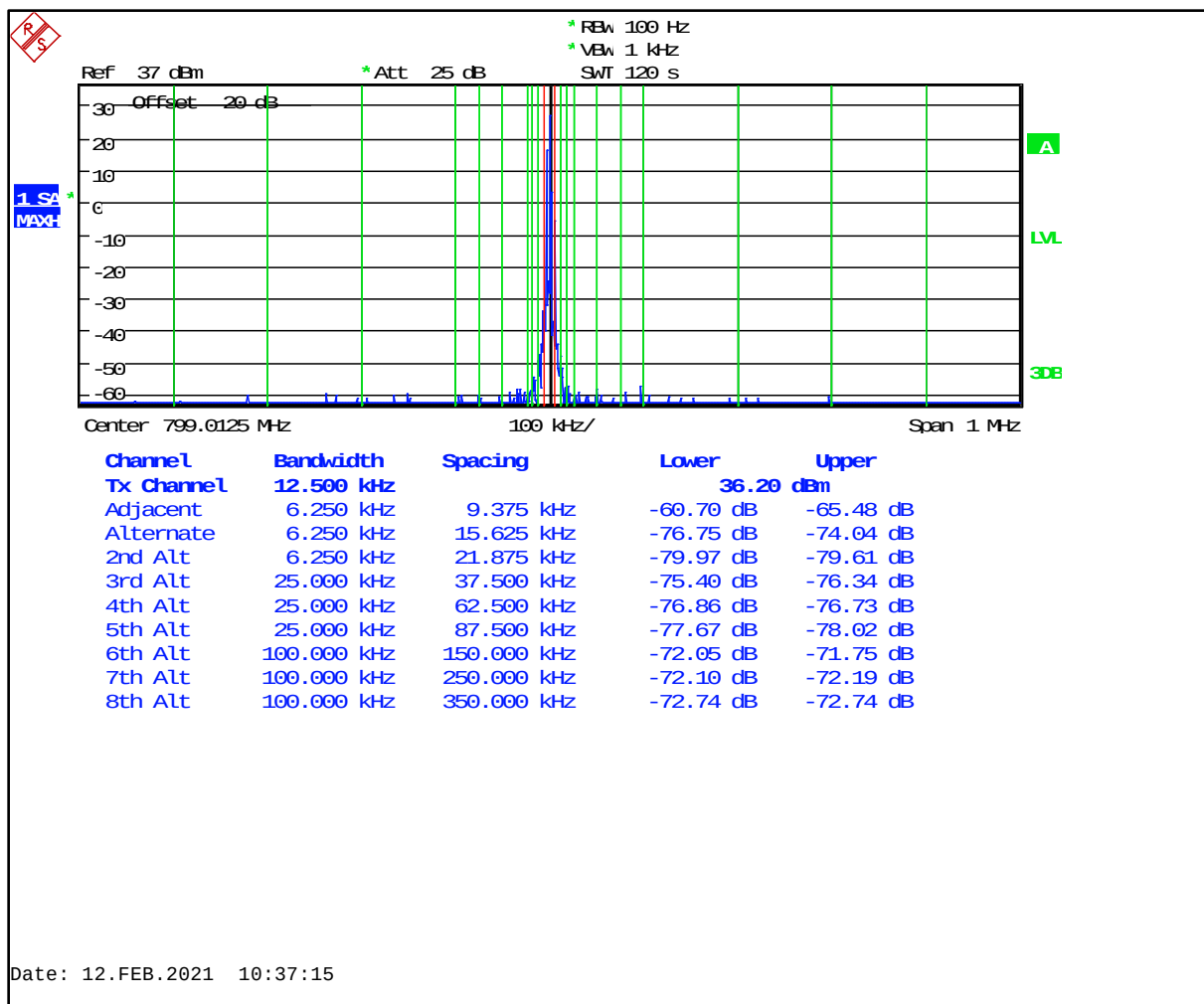
**Plot 6-6: Adjacent Channel Power - 798.0125 MHz; Analog; 12.5 kHz Channel Spacing**



**Table 6-6: Adjacent Channel Power - 798.0125 MHz; Analog; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -79.5         |
| 12 MHz to receive band             | 30(s)                | -75           | -97.5         |
| In receive band                    | 30(s)                | -100          | -104.5        |

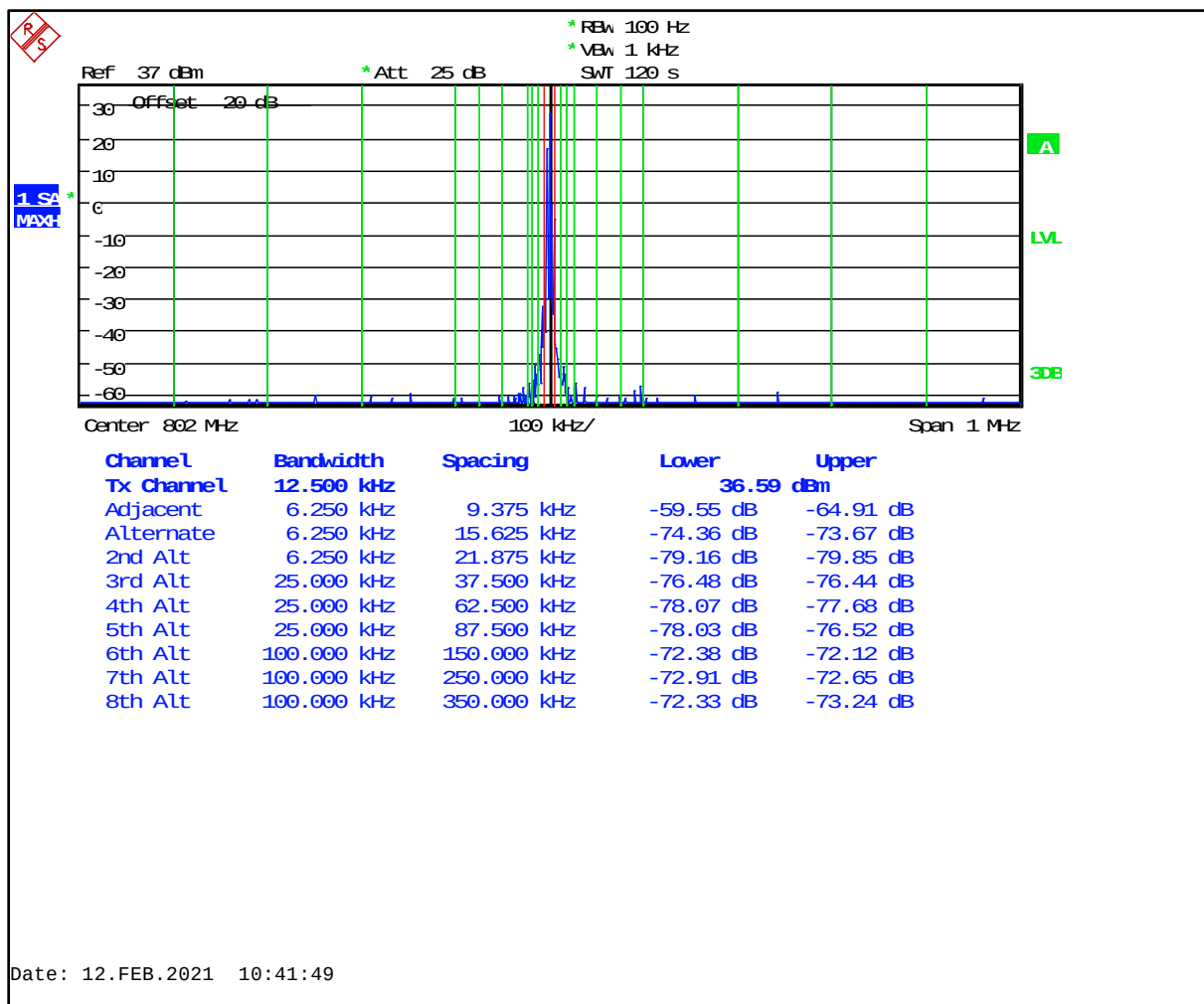
**Plot 6-7: Adjacent Channel Power - 799.0125 MHz; Analog; 12.5 kHz Channel Spacing**



**Table 6-7: Adjacent Channel Power - 799.0125 MHz; Analog; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -81.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -94.5         |
| In receive band                    | 30(s)                | -100          | -103.3        |

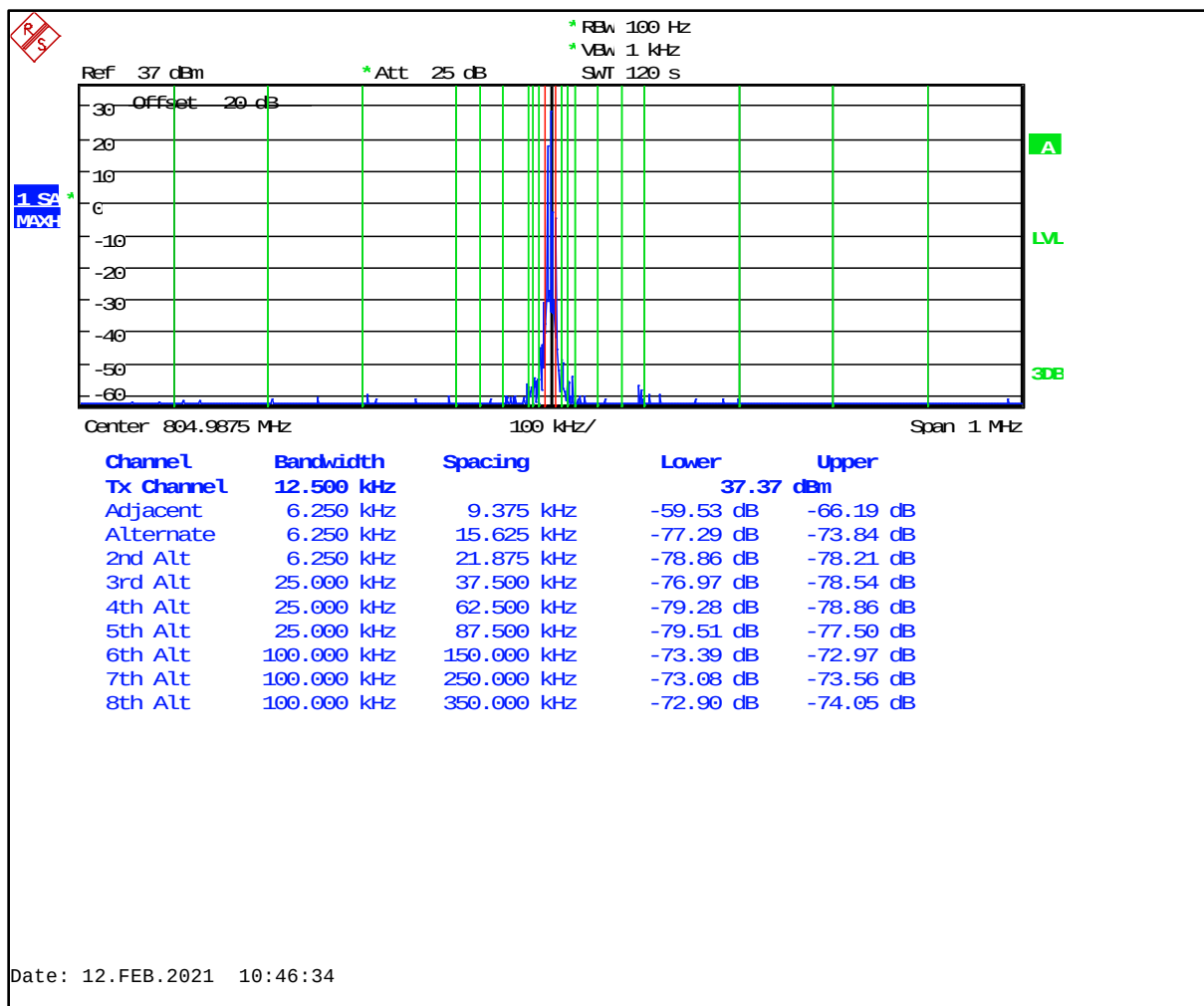
**Plot 6-8: Adjacent Channel Power - 802.0000 MHz; Analog; 12.5 kHz Channel Spacing**



**Table 6-8: Adjacent Channel Power - 802.0000 MHz; Analog; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -81.6         |
| 12 MHz to receive band             | 30(s)                | -75           | -92.8         |
| In receive band                    | 30(s)                | -100          | -106.8        |

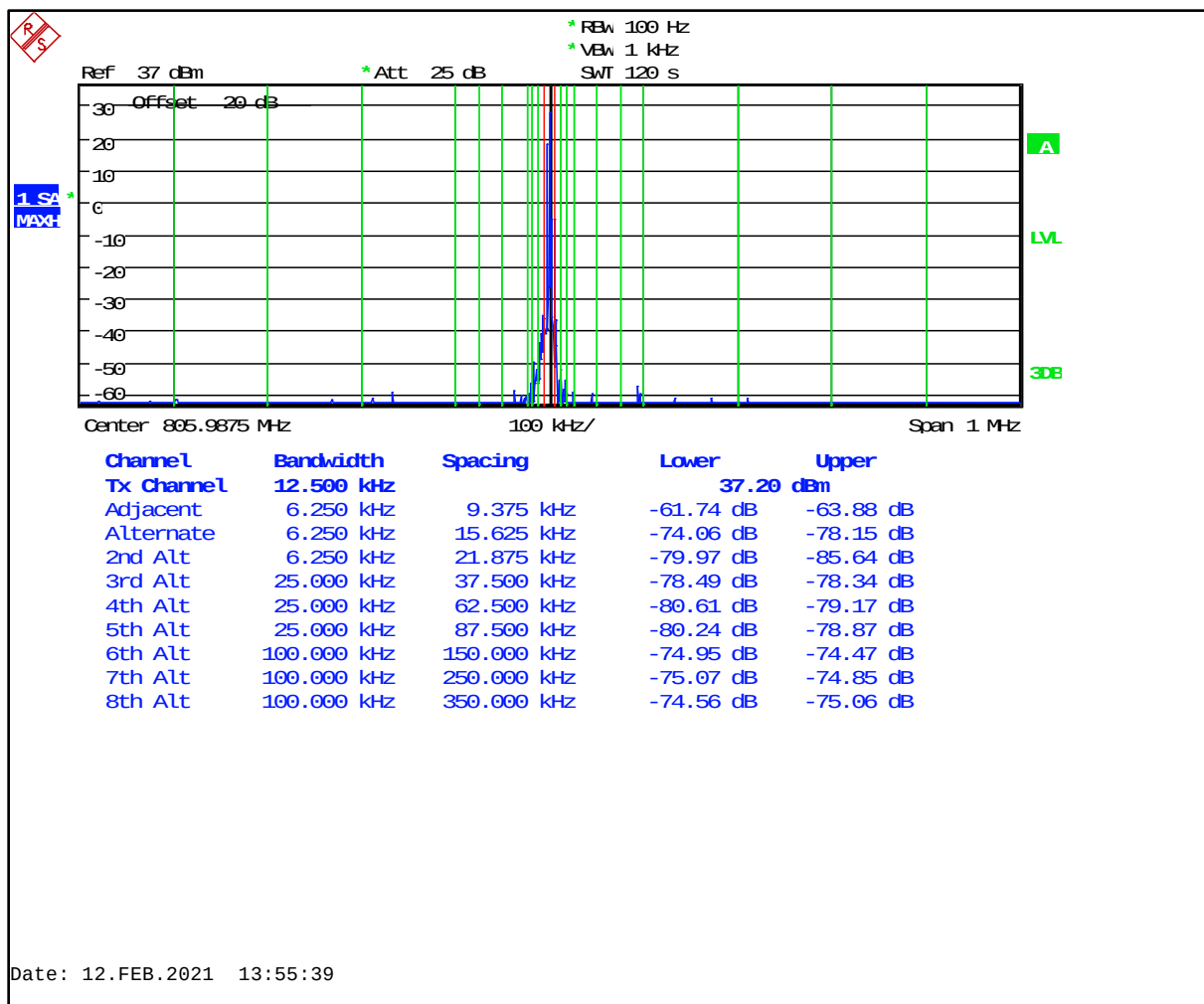
**Plot 6-9: Adjacent Channel Power – 804.9875 MHz; Analog; 12.5 kHz Channel Spacing**



**Table 6-9: Adjacent Channel Power – 804.9875 MHz; Analog; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.1         |
| 12 MHz to receive band             | 30(s)                | -75           | -92.7         |
| In receive band                    | 30(s)                | -100          | -108.0        |

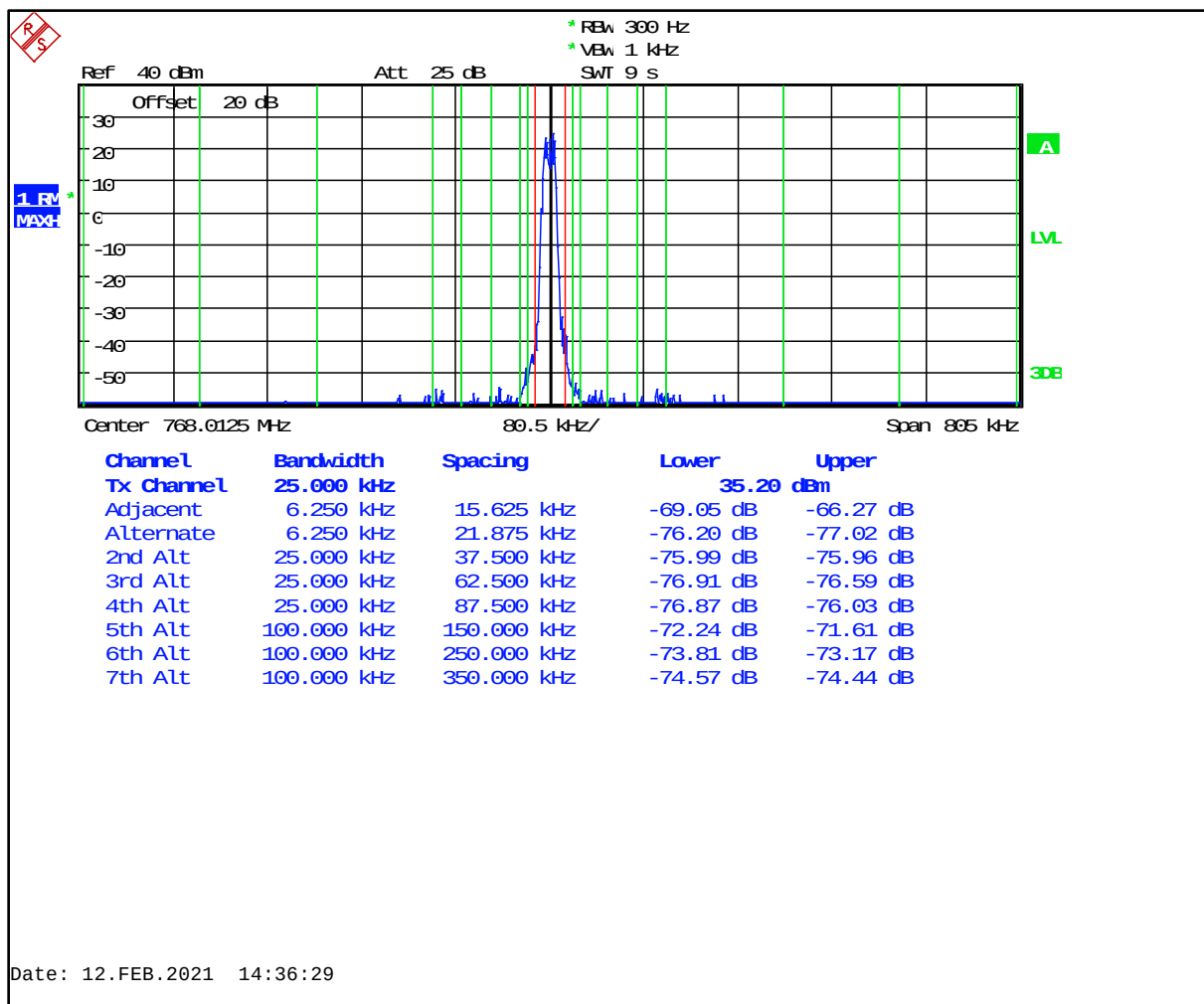
**Plot 6-10: Adjacent Channel Power – 805.9875 MHz; Analog; 12.5 kHz Channel Spacing**



**Table 6-10: Adjacent Channel Power – 805.9875 MHz; Analog; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -85.4         |
| In receive band                    | 30(s)                | -100          | -105.7        |

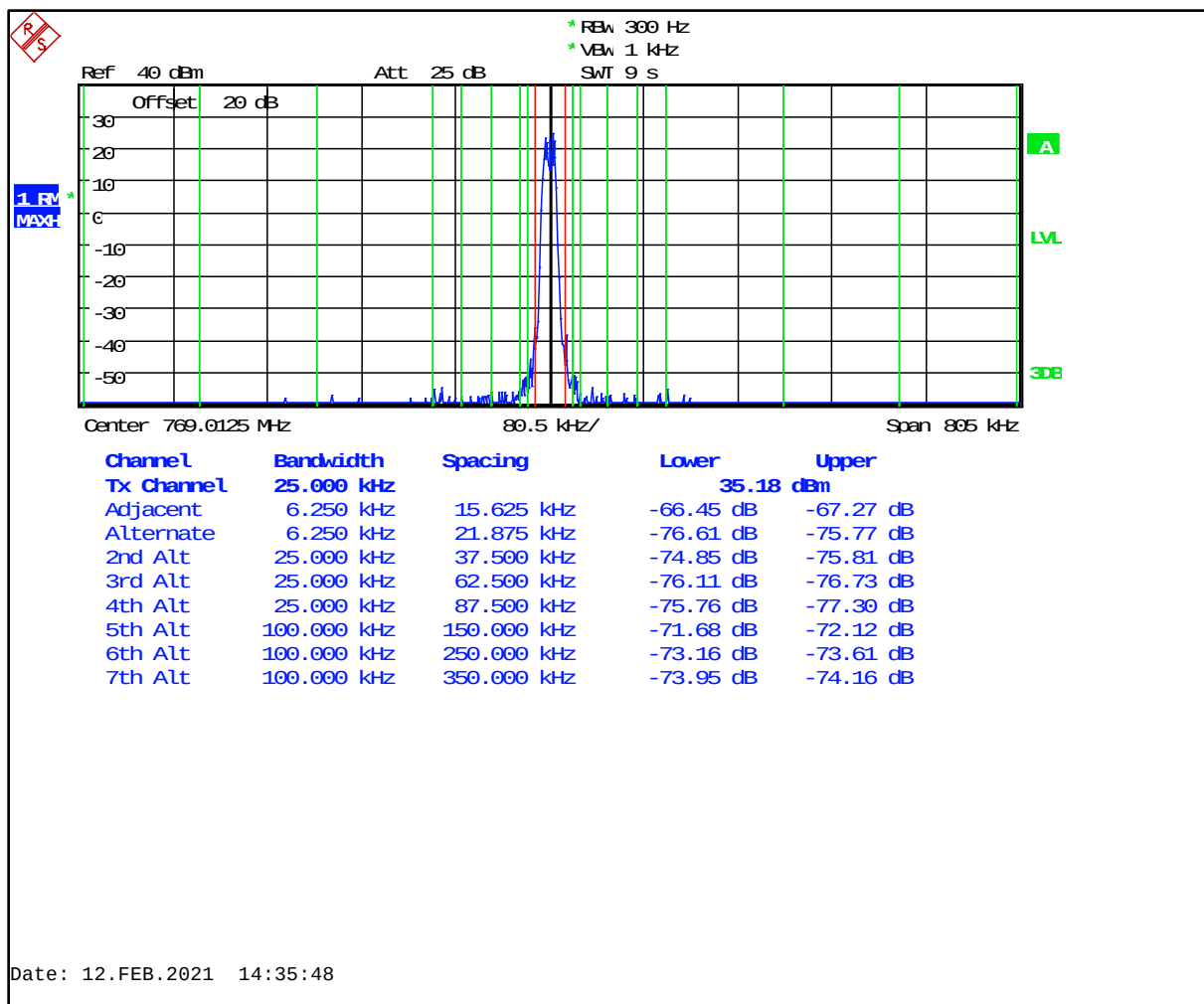
**Plot 6-11: Adjacent Channel Power - 768.0125 MHz; Analog; 25.0 kHz Channel Spacing**



**Table 6-11: Adjacent Channel Power - 768.0125 MHz; Analog; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -84.8         |
| 12 MHz to receive band             | 30(s)                | -75           | -89.0         |
| In receive band                    | 30(s)                | -100          | -108.3        |

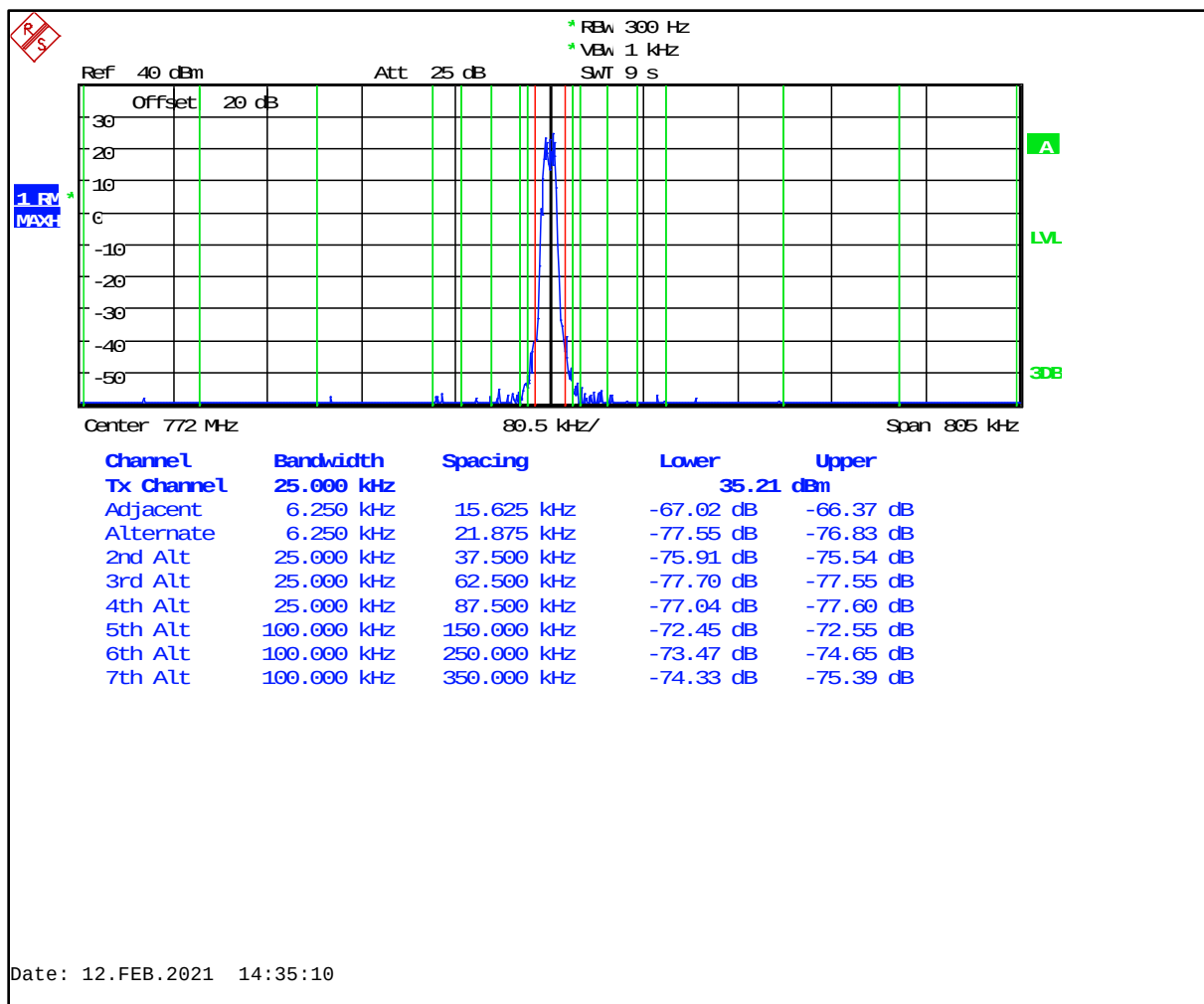
**Plot 6-12: Adjacent Channel Power - 769.0125 MHz; Analog; 25.0 kHz Channel Spacing**



**Table 6-12: Adjacent Channel Power - 769.0125 MHz; Analog; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.4         |
| 12 MHz to receive band             | 30(s)                | -75           | -89.3         |
| In receive band                    | 30(s)                | -100          | -111.3        |

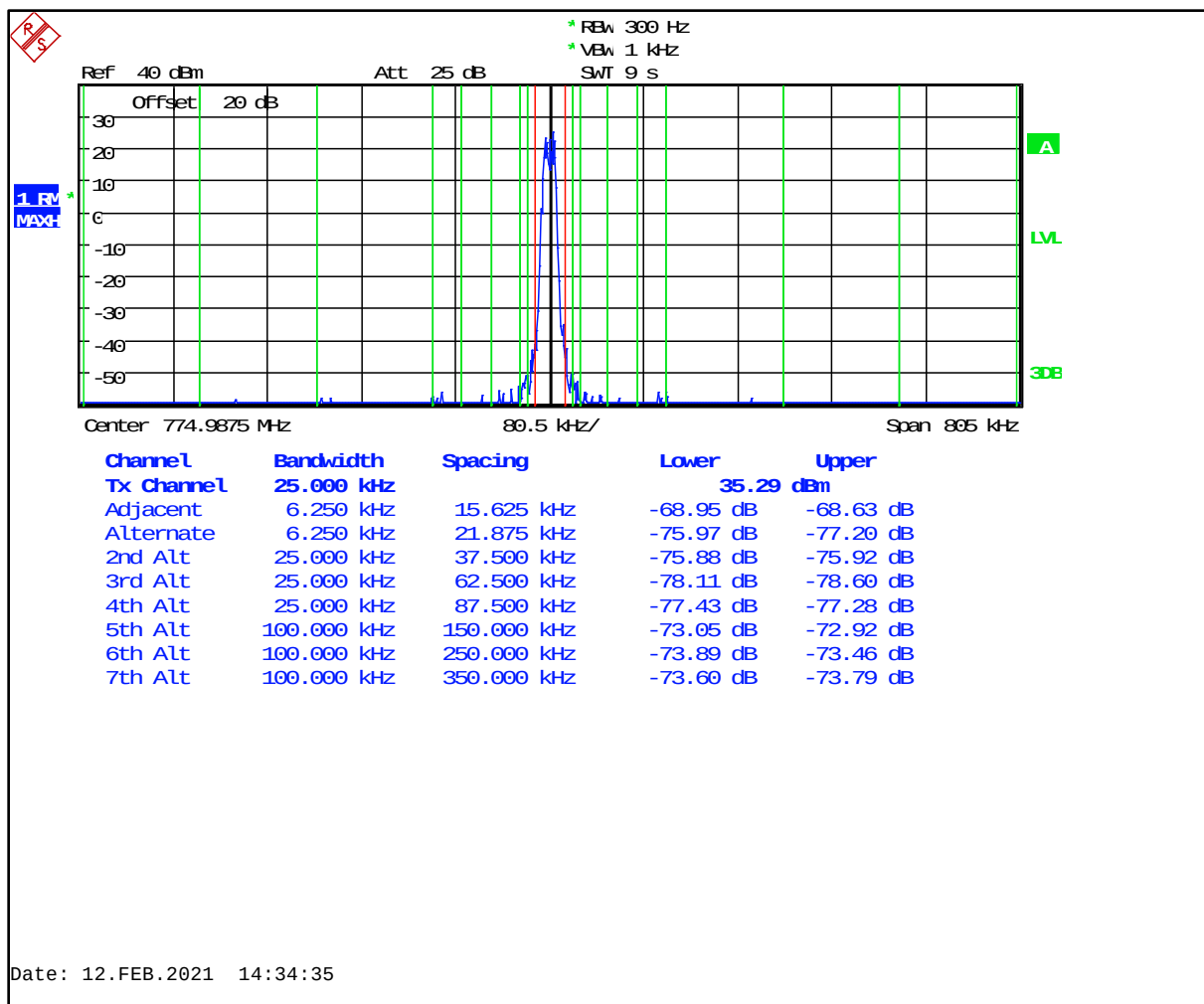
**Plot 6-13: Adjacent Channel Power - 772.0000 MHz; Analog; 25.0 kHz Channel Spacing**



**Table 6-13: Adjacent Channel Power - 772.0000 MHz; Analog; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -88.8         |
| In receive band                    | 30(s)                | -100          | -110.6        |

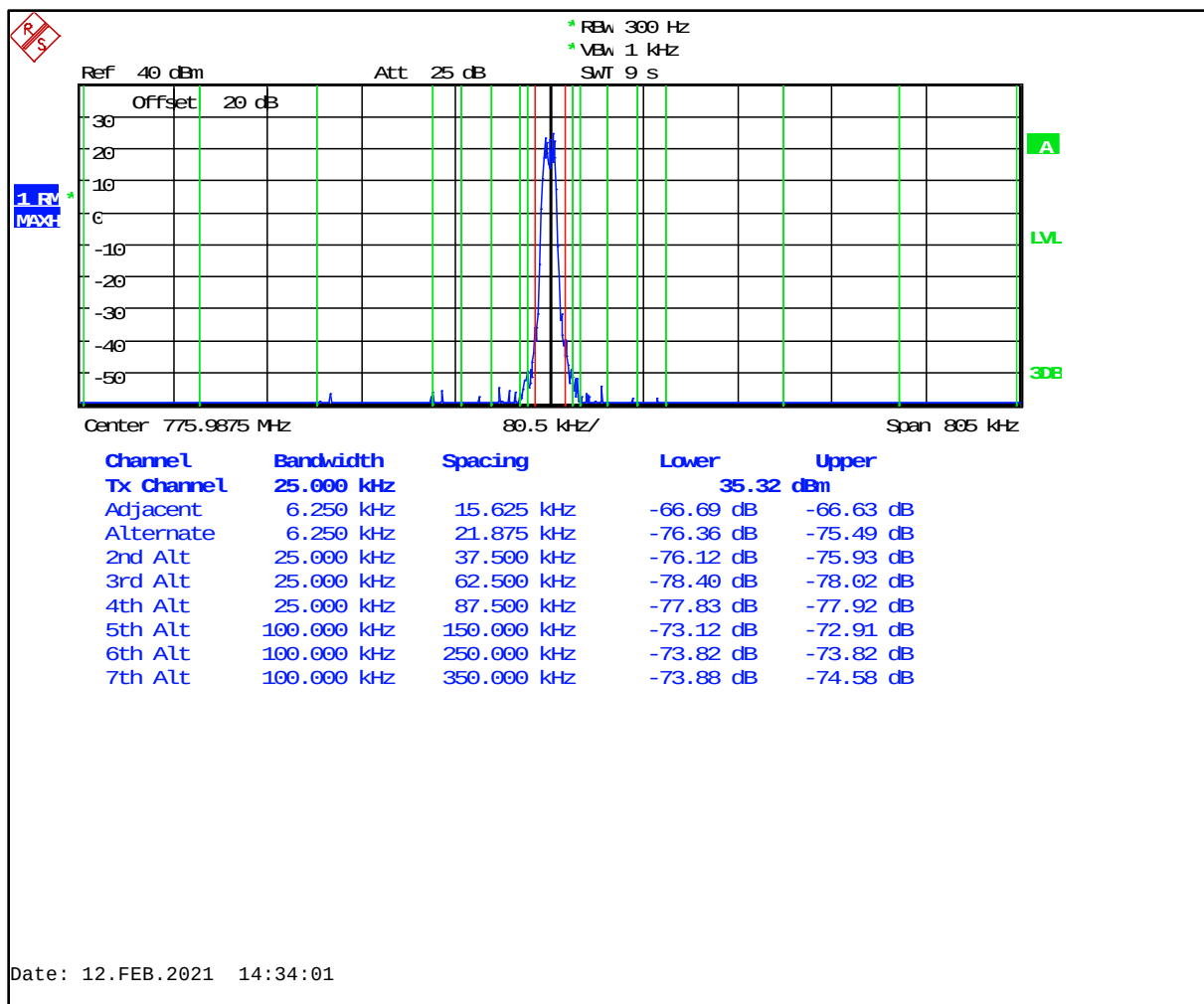
**Plot 6-14: Adjacent Channel Power - 774.9875 MHz; Analog; 25.0 kHz Channel Spacing**



**Table 6-14: Adjacent Channel Power - 774.9875 MHz; Analog; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -89.2         |
| In receive band                    | 30(s)                | -100          | -110.4        |

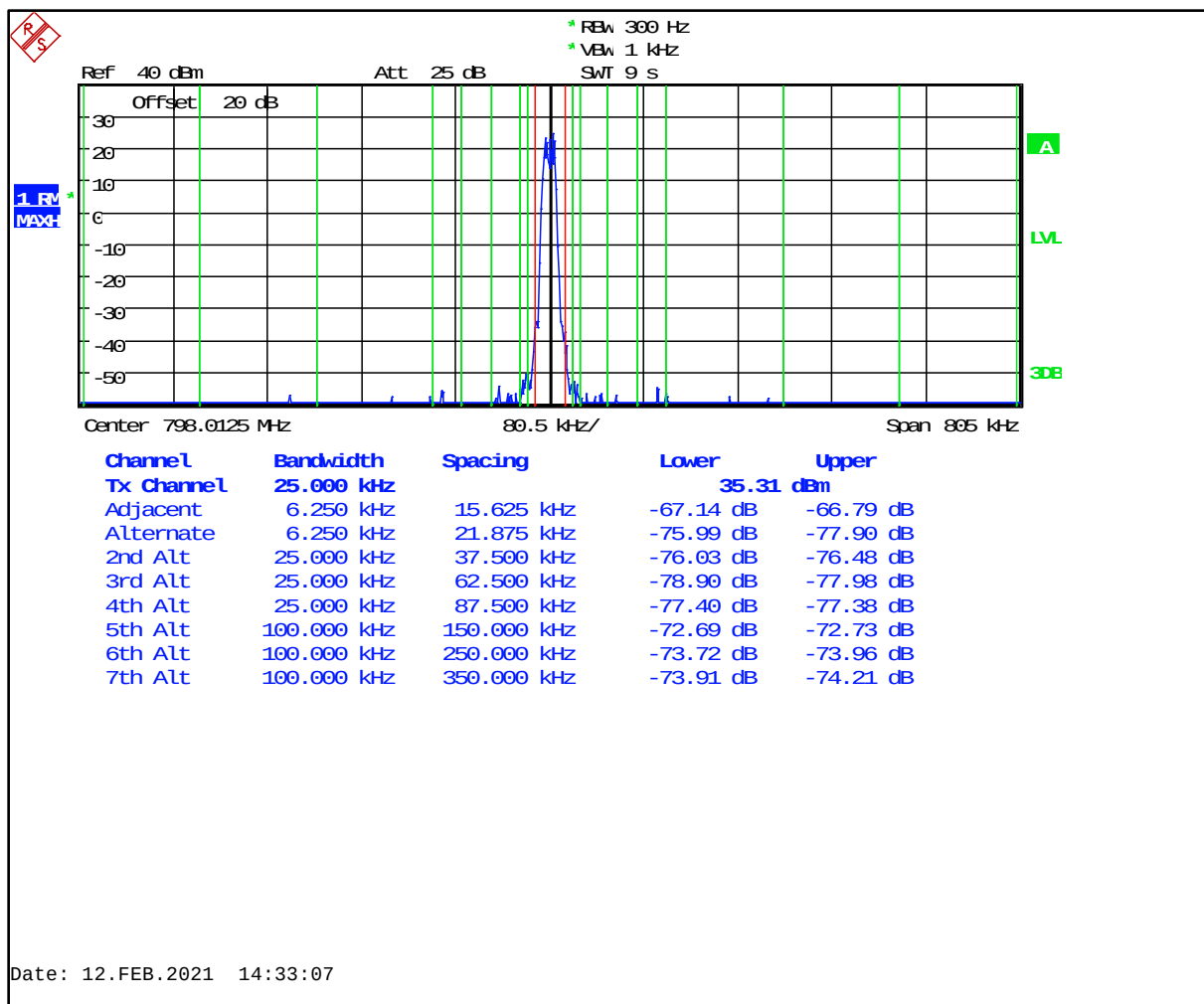
**Plot 6-15: Adjacent Channel Power - 775.9875 MHz; Analog; 25.0 kHz Channel Spacing**



**Table 6-15: Adjacent Channel Power - 775.9875 MHz; Analog; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -88.4         |
| In receive band                    | 30(s)                | -100          | -108.0        |

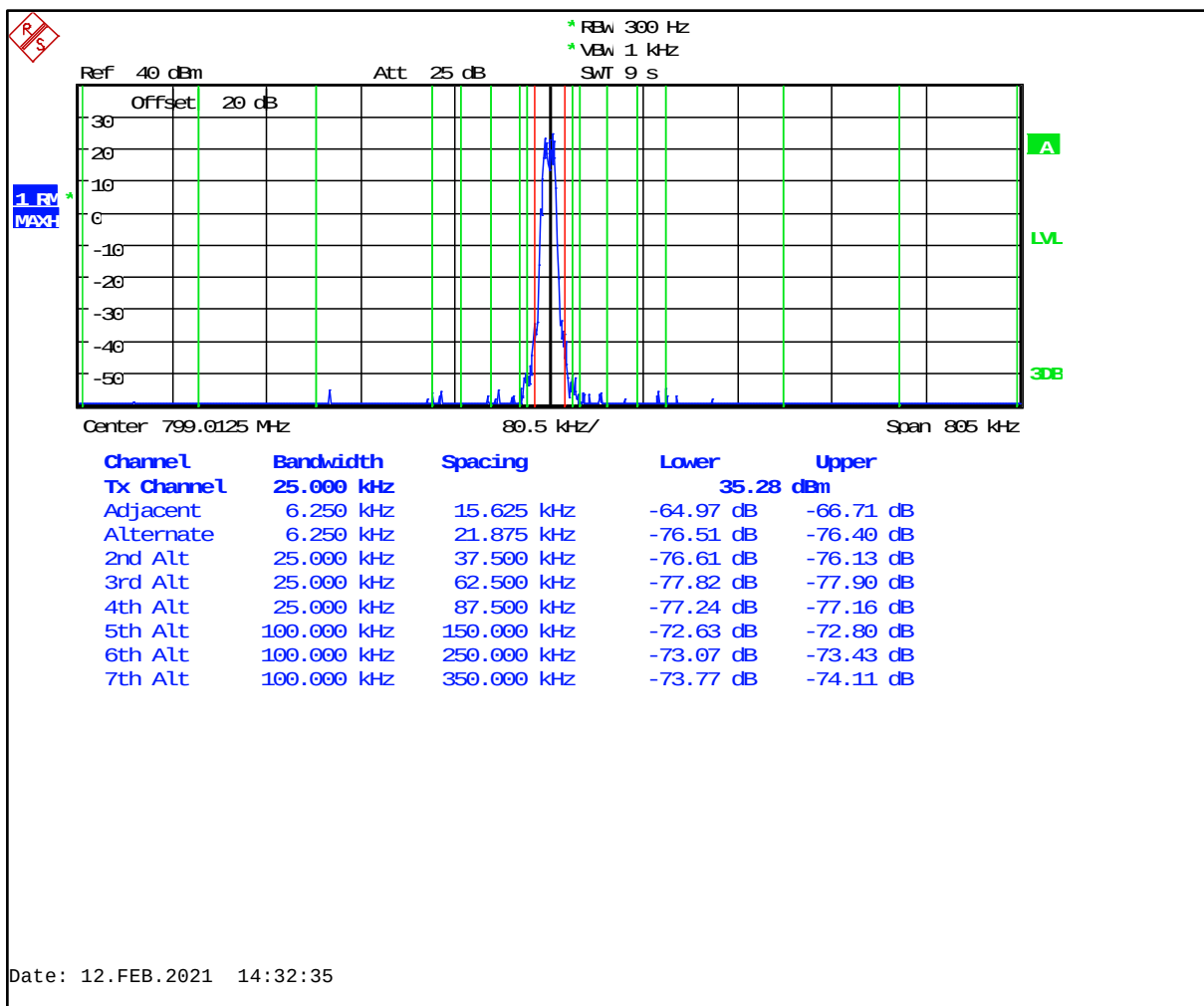
**Plot 6-16: Adjacent Channel Power - 798.0125 MHz; Analog; 25.0 kHz Channel Spacing**



**Table 6-16: Adjacent Channel Power - 798.0125 MHz; Analog; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.0         |
| 12 MHz to receive band             | 30(s)                | -75           | -96.6         |
| In receive band                    | 30(s)                | -100          | -104.0        |

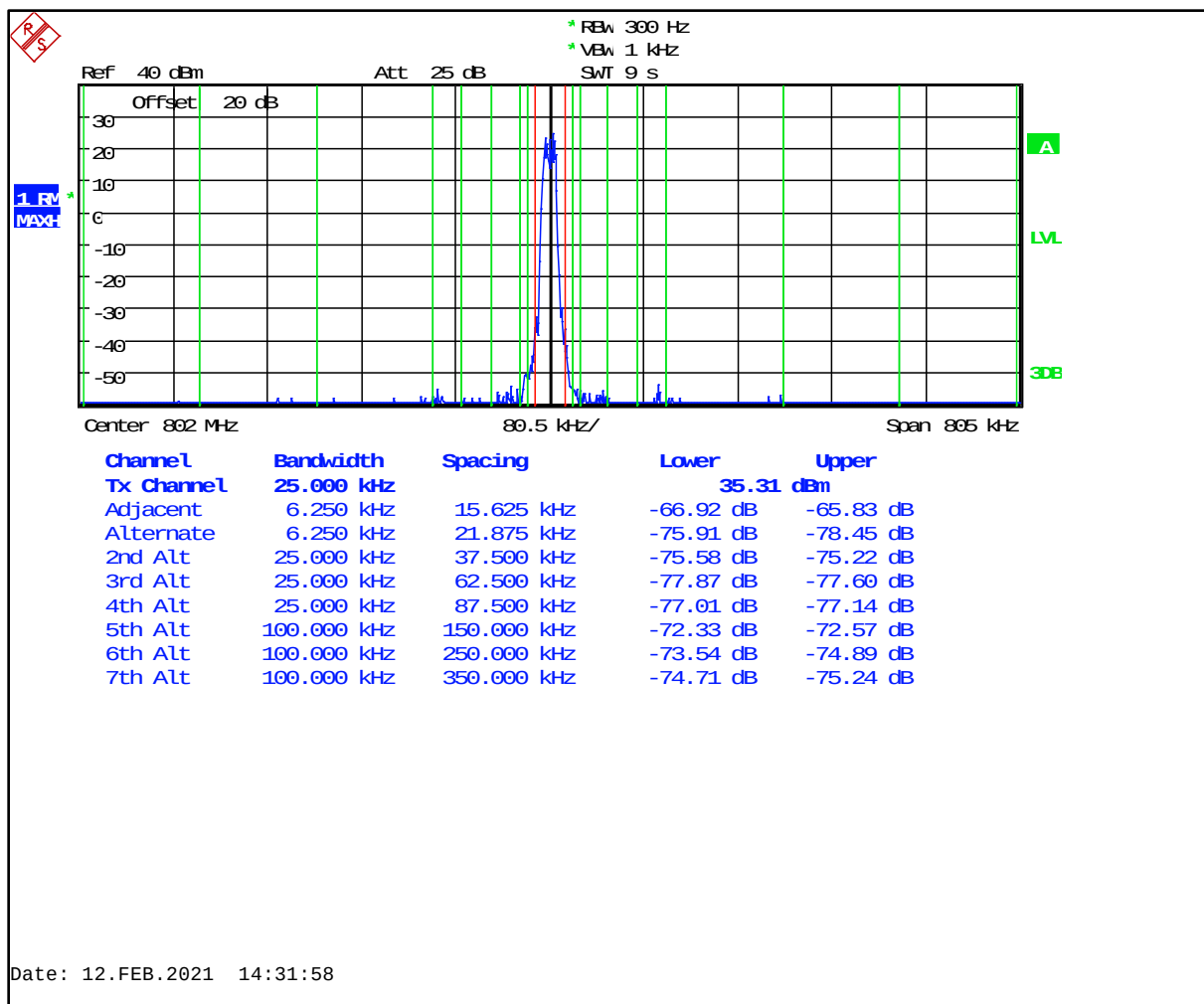
**Plot 6-17: Adjacent Channel Power - 799.0125 MHz; Analog; 25.0 kHz Channel Spacing**



**Table 6-17: Adjacent Channel Power - 799.0125 MHz; Analog; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -96.3         |
| In receive band                    | 30(s)                | -100          | -103.1        |

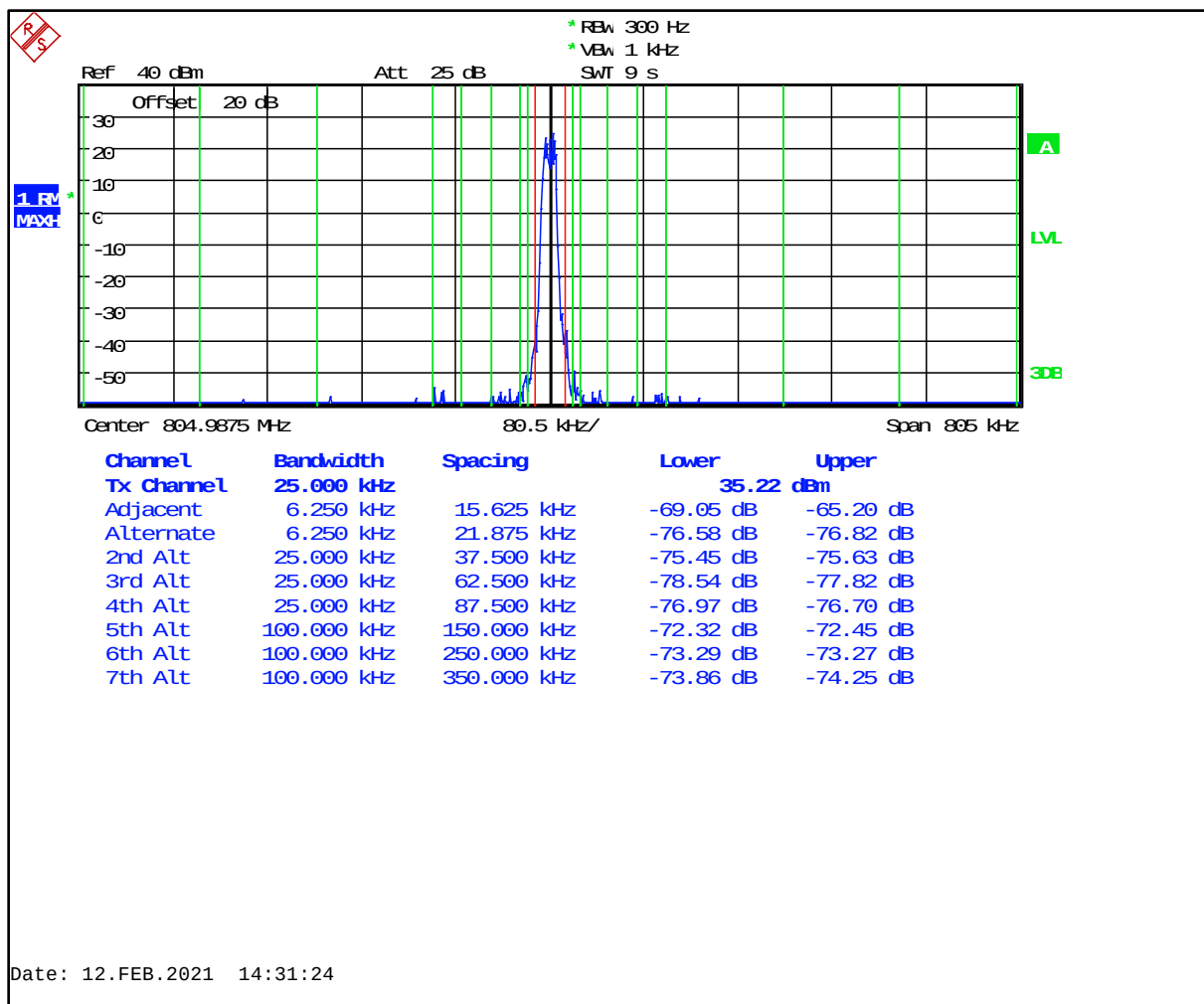
**Plot 6-18: Adjacent Channel Power - 802.0000 MHz; Analog; 25.0 kHz Channel Spacing**



**Table 6-18: Adjacent Channel Power - 802.0000 MHz; Analog; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.9         |
| 12 MHz to receive band             | 30(s)                | -75           | -91.9         |
| In receive band                    | 30(s)                | -100          | -107.0        |

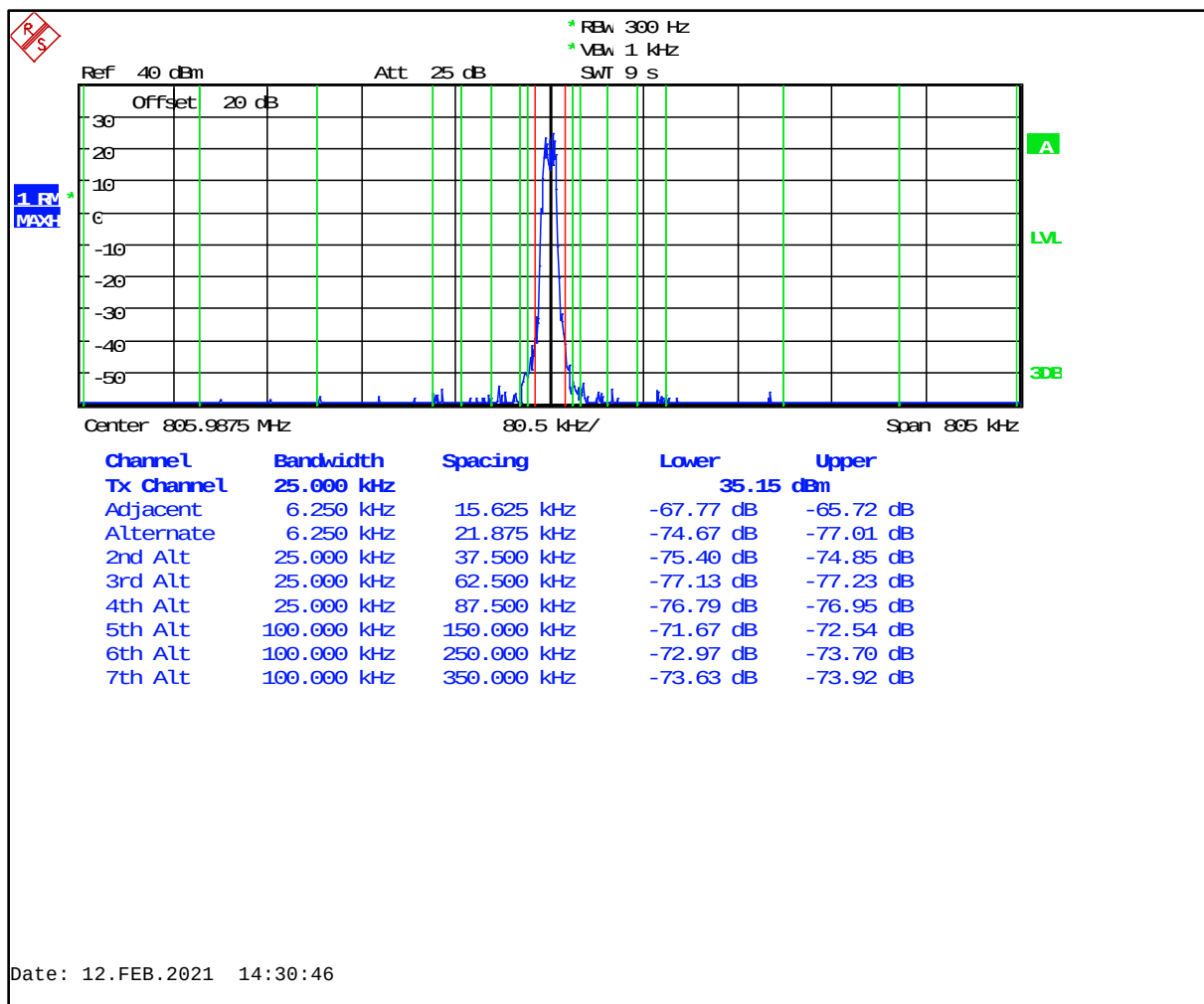
**Plot 6-19: Adjacent Channel Power – 804.9875 MHz; Analog; 25.0 kHz Channel Spacing**



**Table 6-19: Adjacent Channel Power – 804.9875 MHz; Analog; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -92.1         |
| In receive band                    | 30(s)                | -100          | -107.8        |

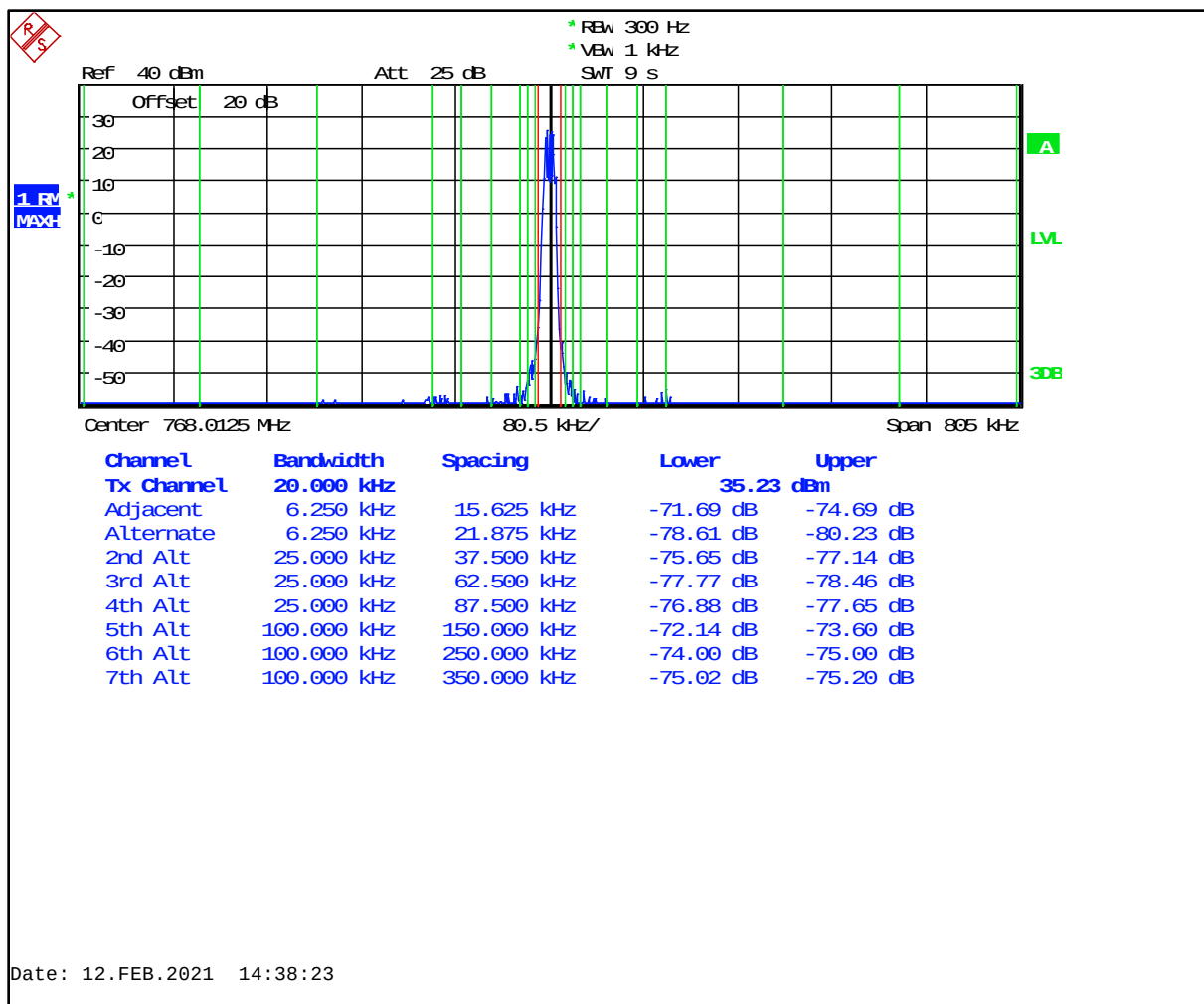
**Plot 6-20: Adjacent Channel Power – 805.9875 MHz; Analog; 25.0 kHz Channel Spacing**



**Table 6-20: Adjacent Channel Power – 805.9875 MHz; Analog; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -86.0         |
| In receive band                    | 30(s)                | -100          | -107.2        |

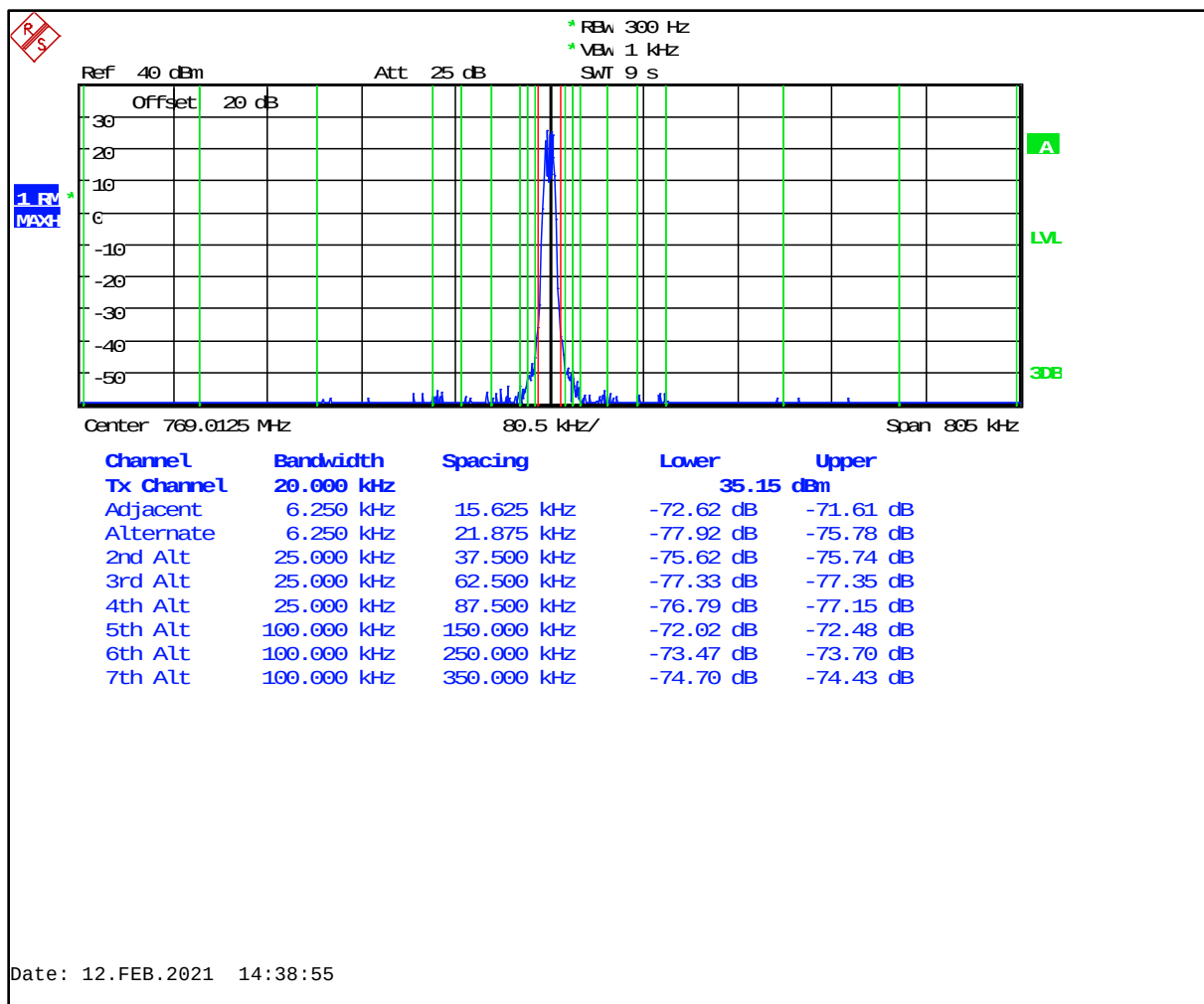
**Plot 6-21: Adjacent Channel Power - 768.0125 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**



**Table 6-21: Adjacent Channel Power - 768.0125 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -82.9         |
| 12 MHz to receive band             | 30(s)                | -75           | -89.1         |
| In receive band                    | 30(s)                | -100          | -108.2        |

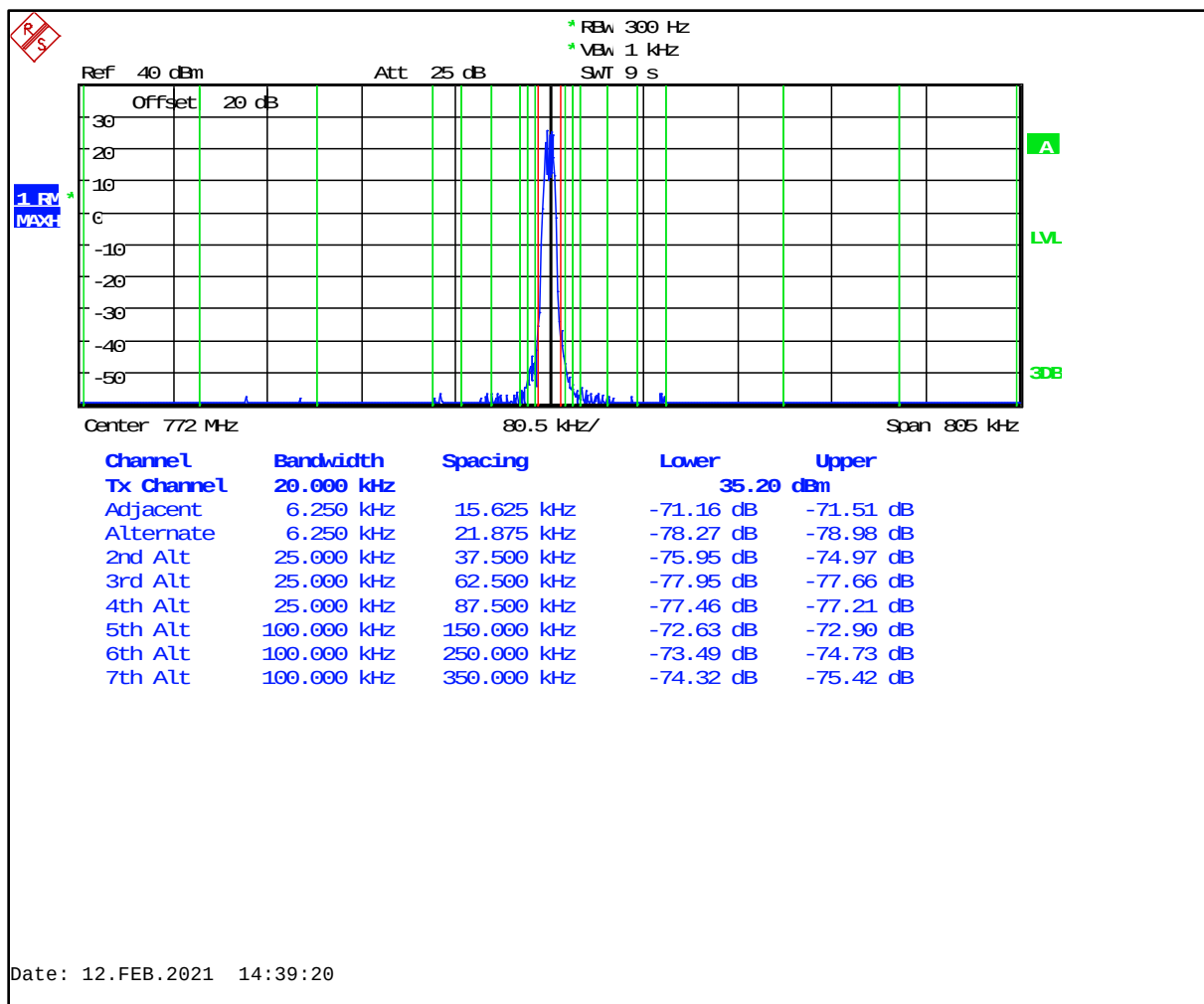
**Plot 6-22: Adjacent Channel Power - 769.0125 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**



**Table 6-22: Adjacent Channel Power - 769.0125 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.4         |
| 12 MHz to receive band             | 30(s)                | -75           | -89.7         |
| In receive band                    | 30(s)                | -100          | -111.6        |

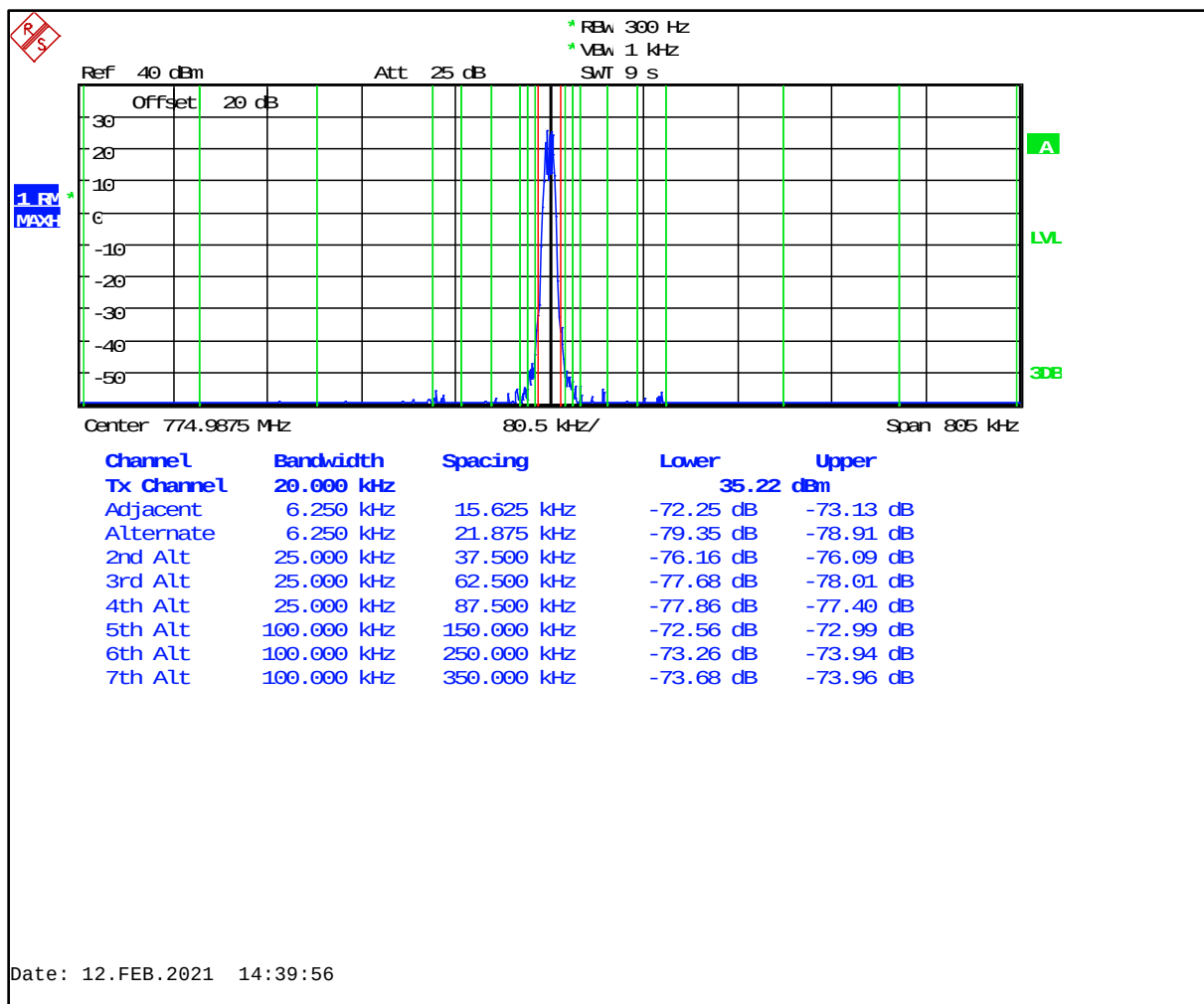
**Plot 6-23: Adjacent Channel Power - 772.0000 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**



**Table 6-23: Adjacent Channel Power - 772.0000 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.0         |
| 12 MHz to receive band             | 30(s)                | -75           | -90.2         |
| In receive band                    | 30(s)                | -100          | -110.8        |

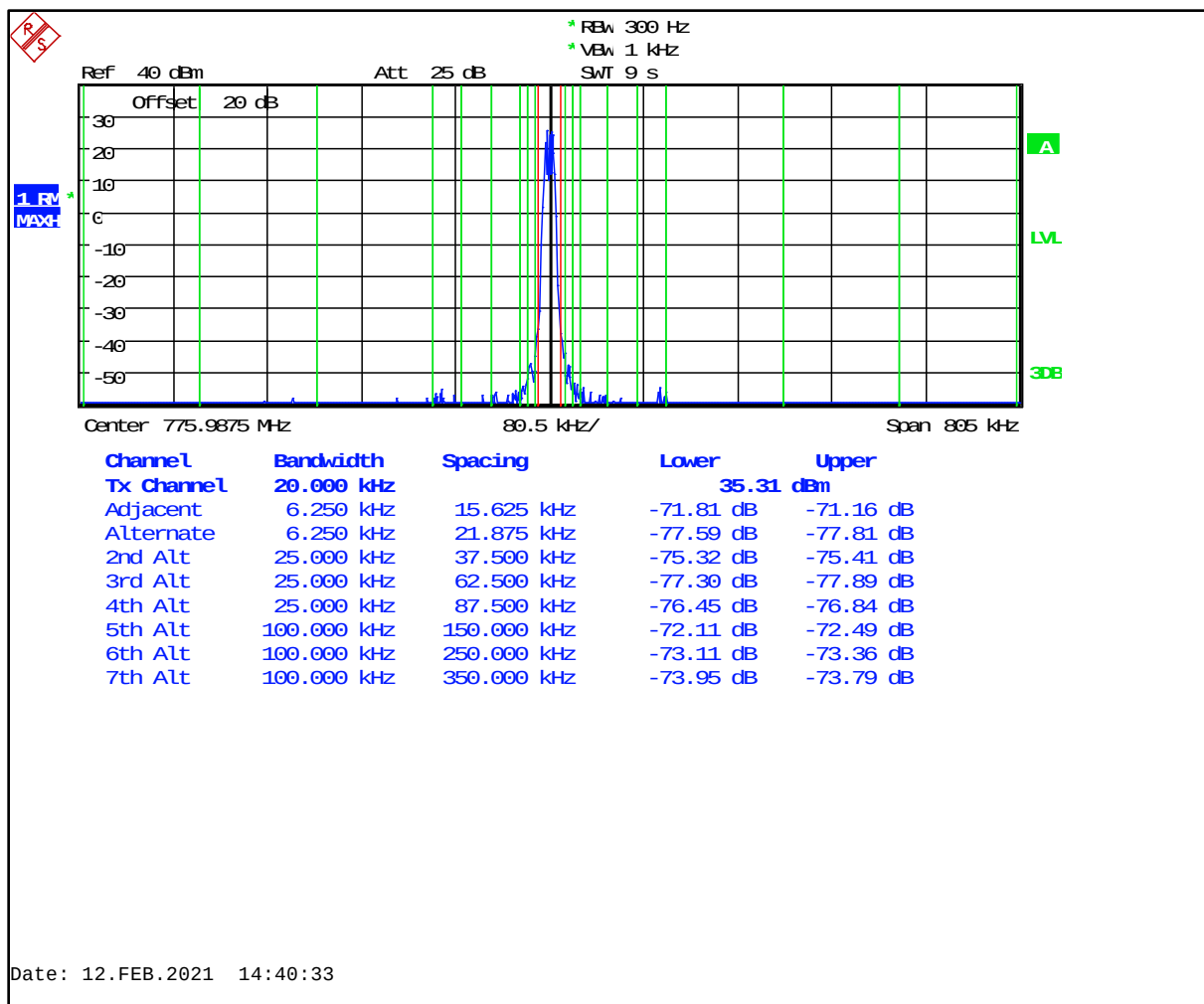
**Plot 6-24: Adjacent Channel Power - 774.9875 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**



**Table 6-24: Adjacent Channel Power - 774.9875 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.9         |
| 12 MHz to receive band             | 30(s)                | -75           | -88.9         |
| In receive band                    | 30(s)                | -100          | -110.8        |

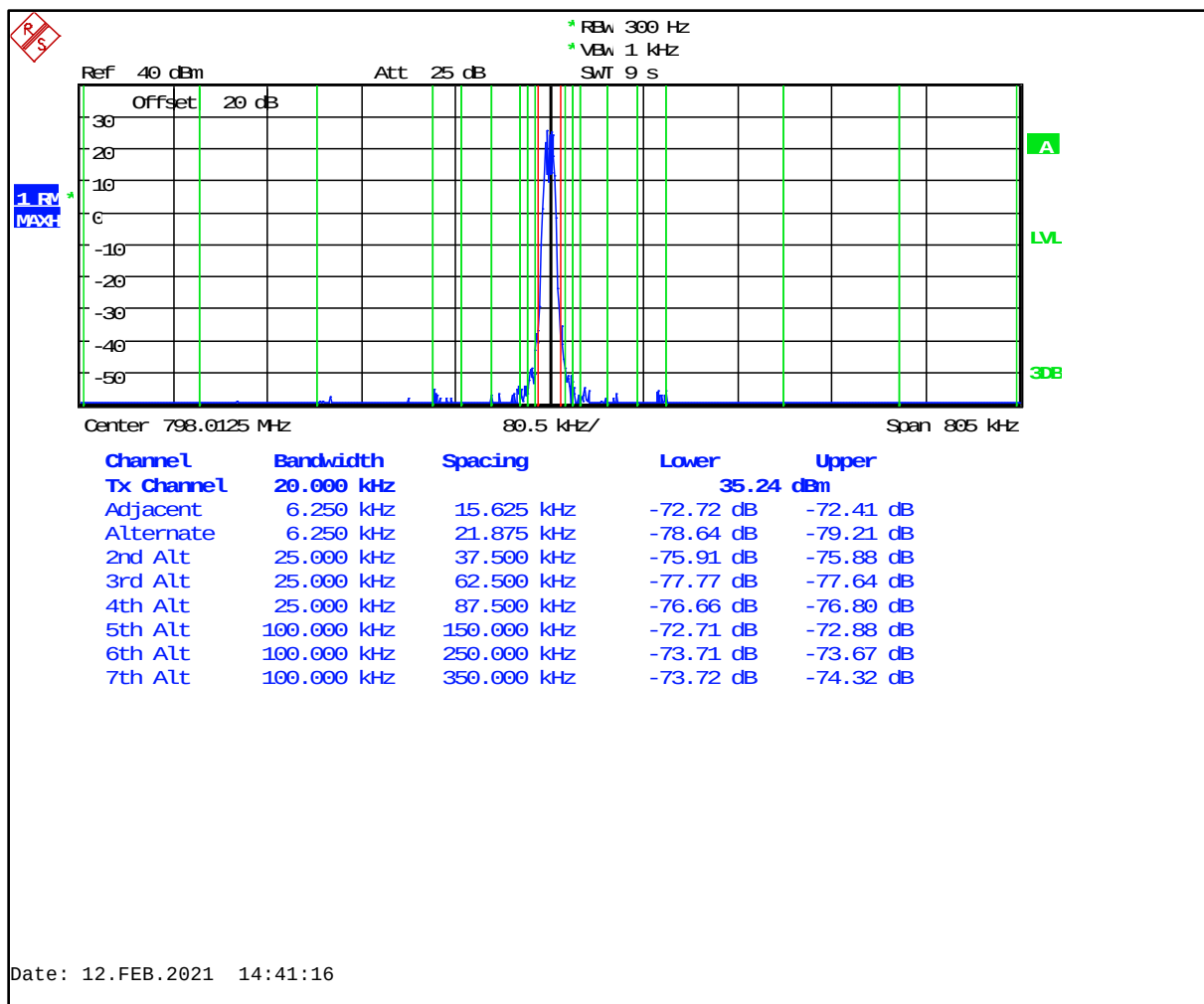
**Plot 6-25: Adjacent Channel Power - 775.9875 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**



**Table 6-25: Adjacent Channel Power - 775.9875 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -78.8         |
| 12 MHz to receive band             | 30(s)                | -75           | -88.6         |
| In receive band                    | 30(s)                | -100          | -110.1        |

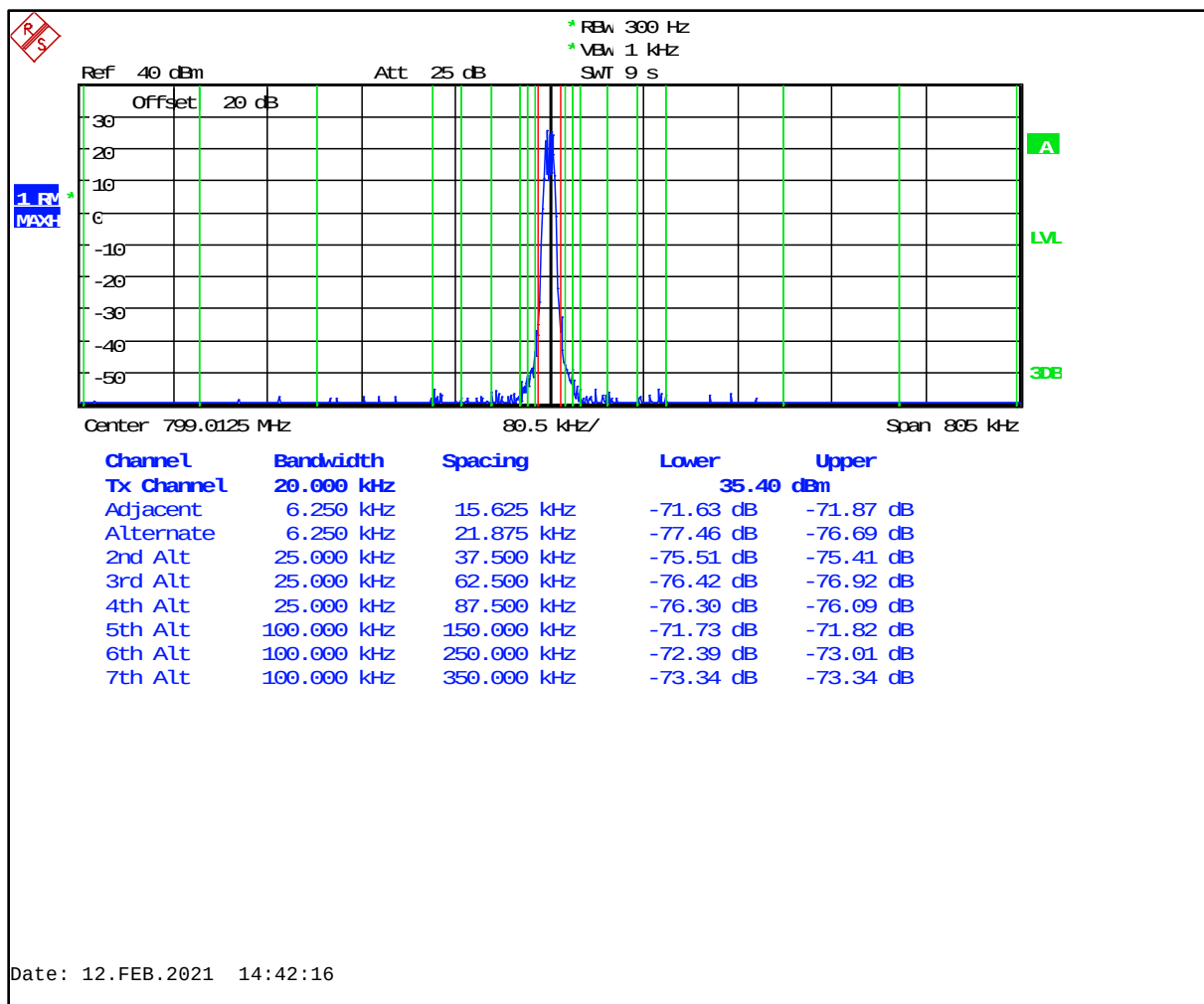
**Plot 6-26: Adjacent Channel Power - 798.0125 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**



**Table 6-26: Adjacent Channel Power - 798.0125 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -81.9         |
| 12 MHz to receive band             | 30(s)                | -75           | -96.7         |
| In receive band                    | 30(s)                | -100          | -104.1        |

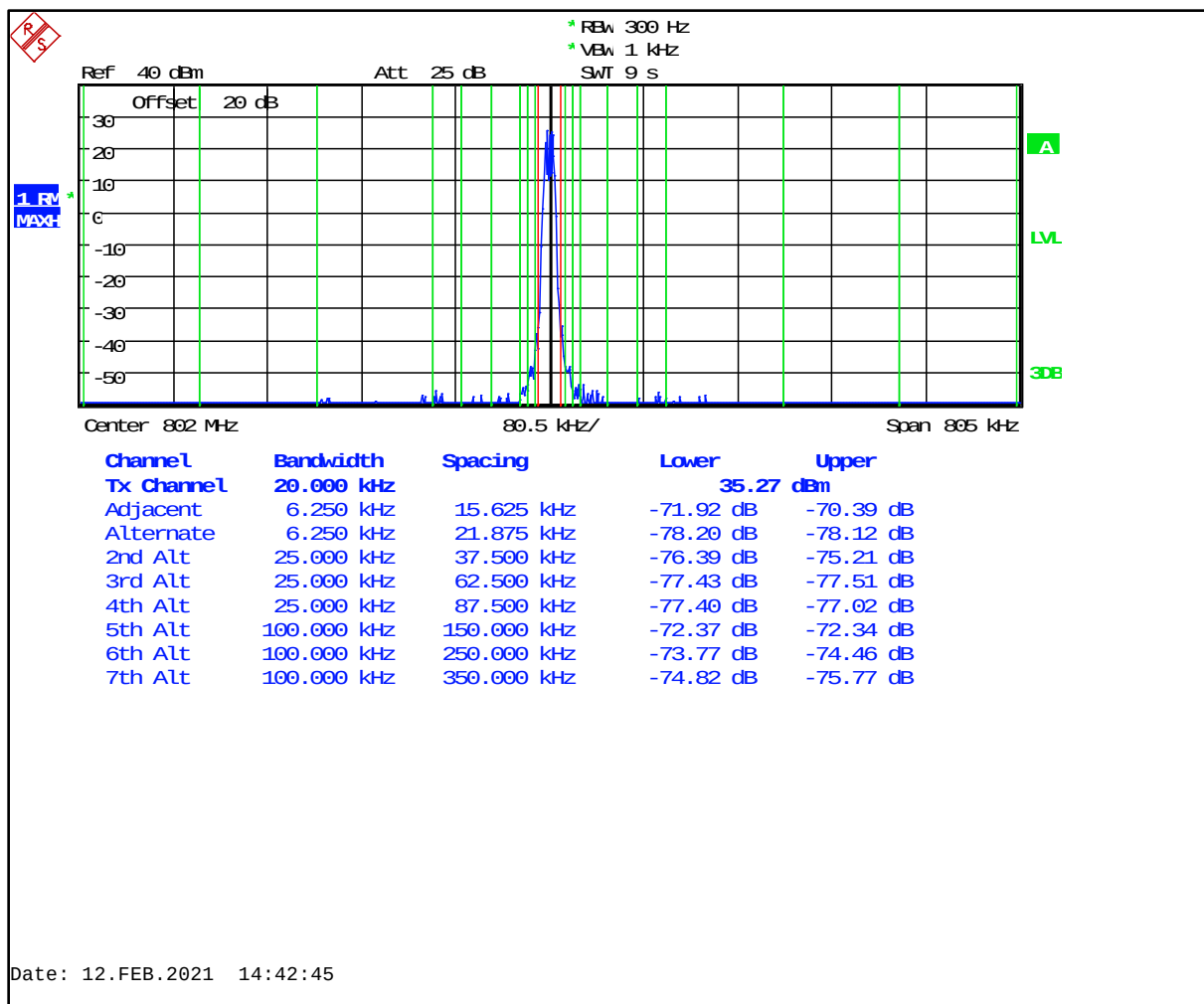
**Plot 6-27: Adjacent Channel Power - 799.0125 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**



**Table 6-27: Adjacent Channel Power - 799.0125 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.8         |
| 12 MHz to receive band             | 30(s)                | -75           | -95.9         |
| In receive band                    | 30(s)                | -100          | -103.4        |

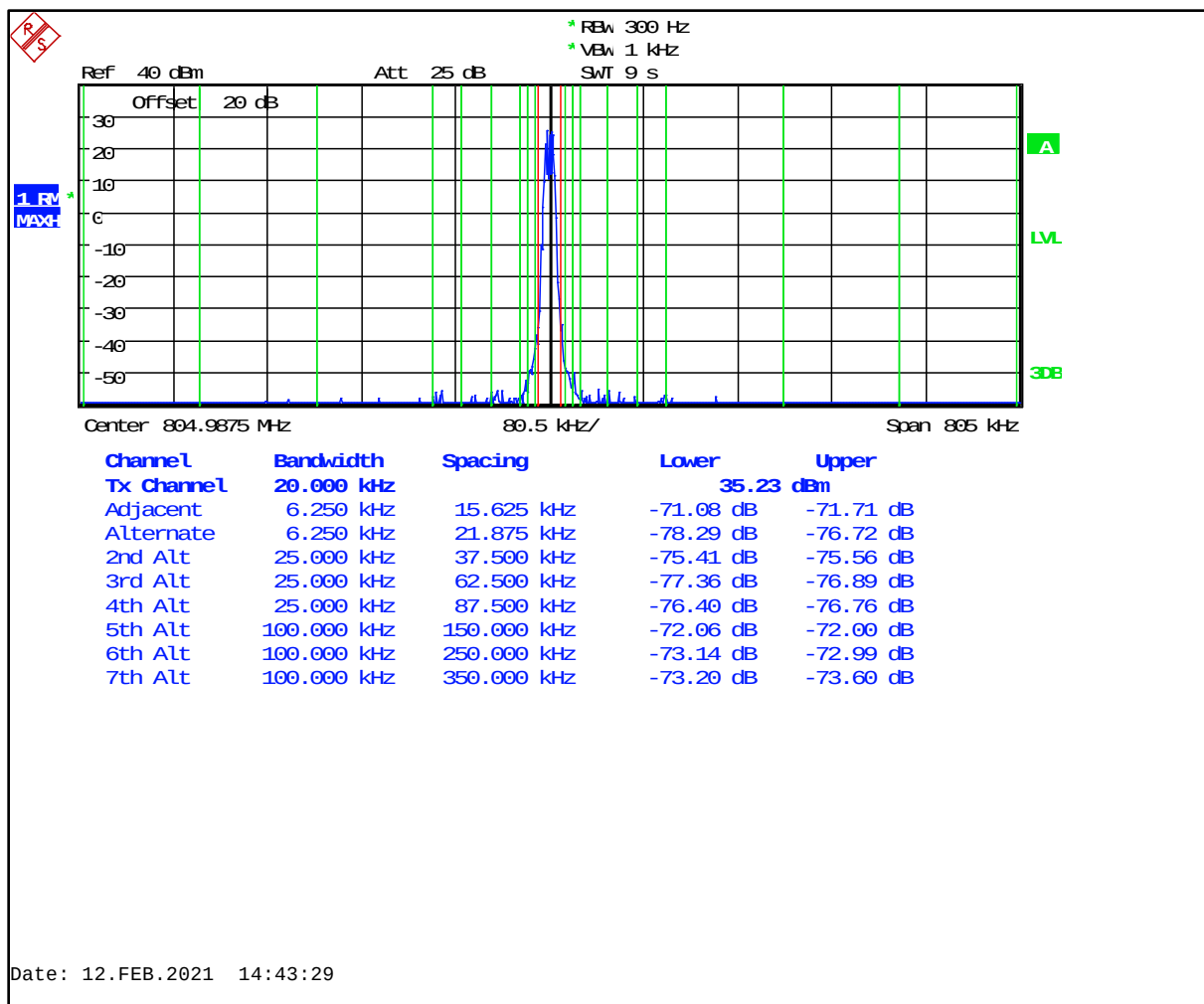
**Plot 6-28: Adjacent Channel Power - 802.0000 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**



**Table 6-28: Adjacent Channel Power - 802.0000 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -92.1         |
| In receive band                    | 30(s)                | -100          | -106.9        |

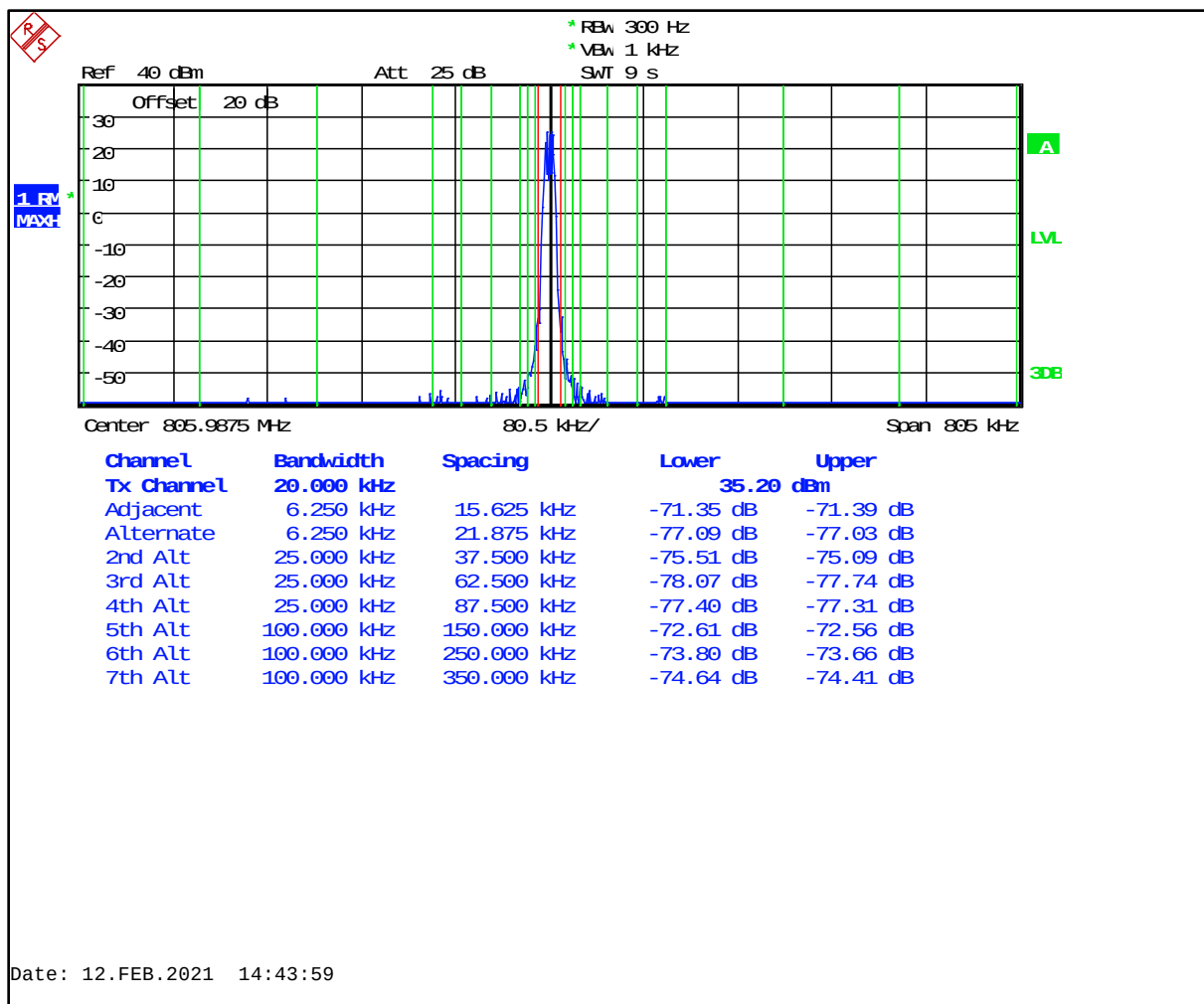
**Plot 6-29: Adjacent Channel Power – 804.9875 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**



**Table 6-29: Adjacent Channel Power – 804.9875 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -80.0         |
| 12 MHz to receive band             | 30(s)                | -75           | -97.0         |
| In receive band                    | 30(s)                | -100          | -105.2        |

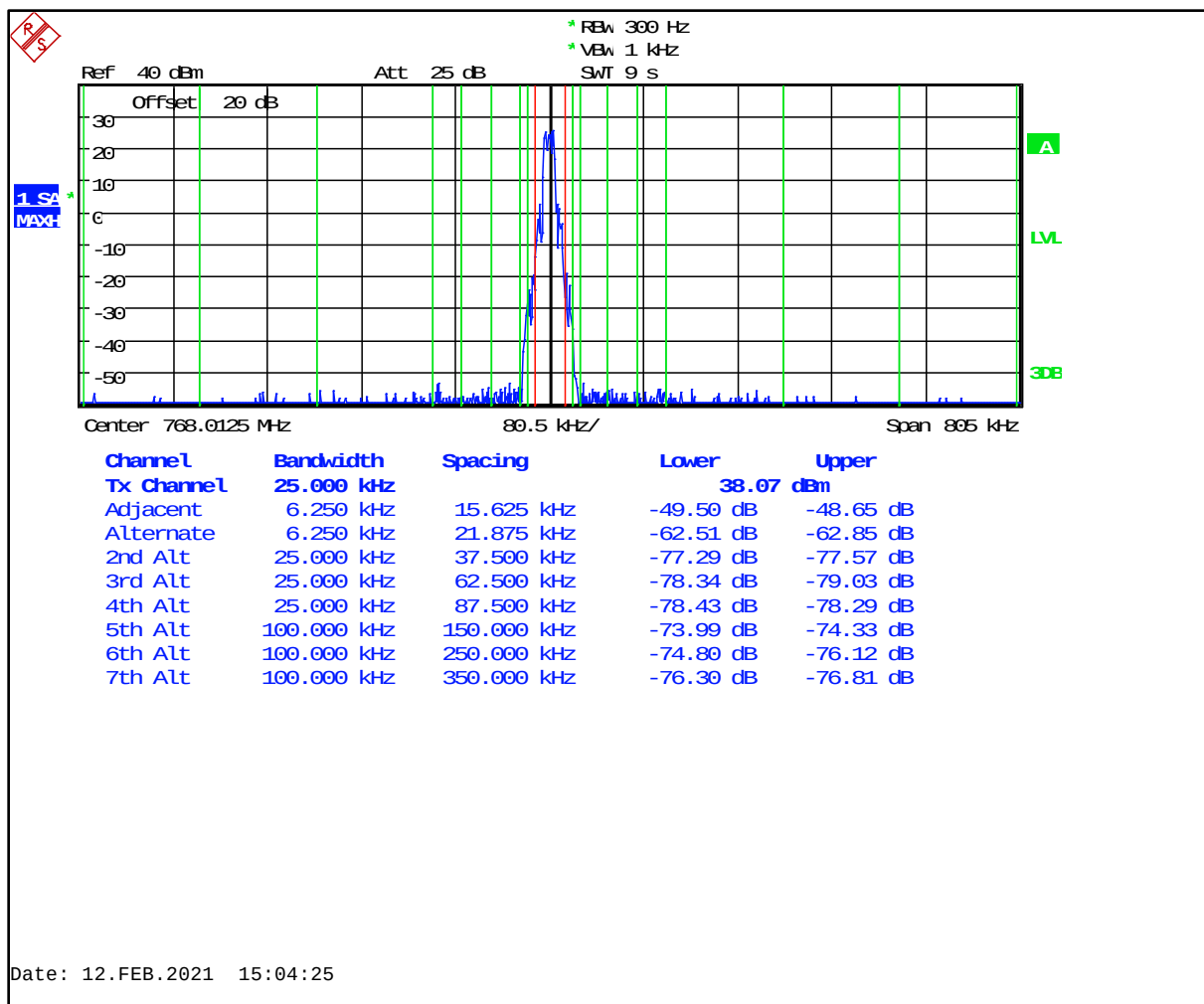
**Plot 6-30: Adjacent Channel Power – 805.9875 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**



**Table 6-30: Adjacent Channel Power – 805.9875 MHz; NPSPAC Analog; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -79.4         |
| 12 MHz to receive band             | 30(s)                | -75           | -86.8         |
| In receive band                    | 30(s)                | -100          | -108.0        |

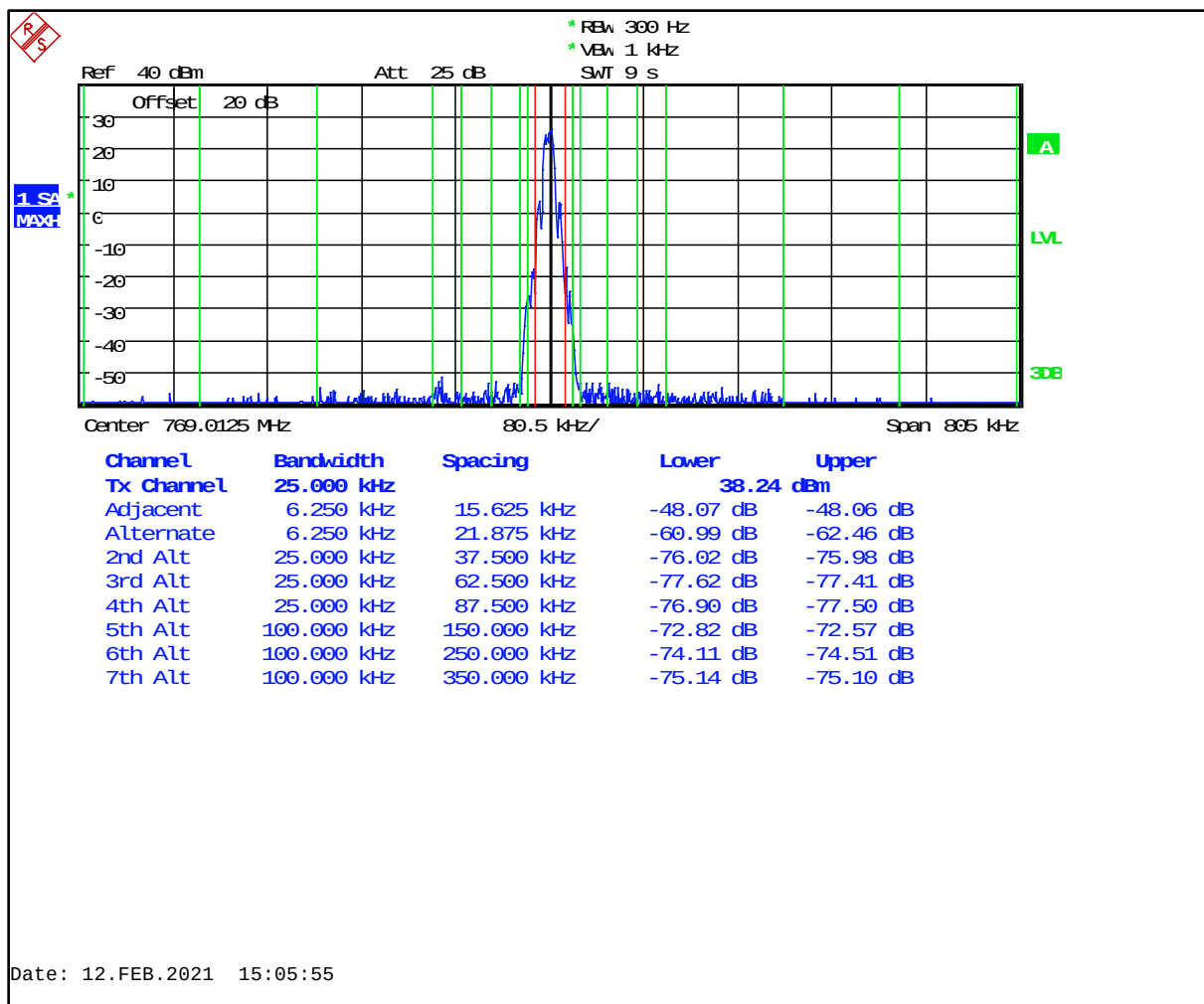
**Plot 6-31: Adjacent Channel Power - 768.0125 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**



**Table 6-31: Adjacent Channel Power - 768.0125 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -79.9         |
| 12 MHz to receive band             | 30(s)                | -75           | -98.0         |
| In receive band                    | 30(s)                | -100          | -118.4        |

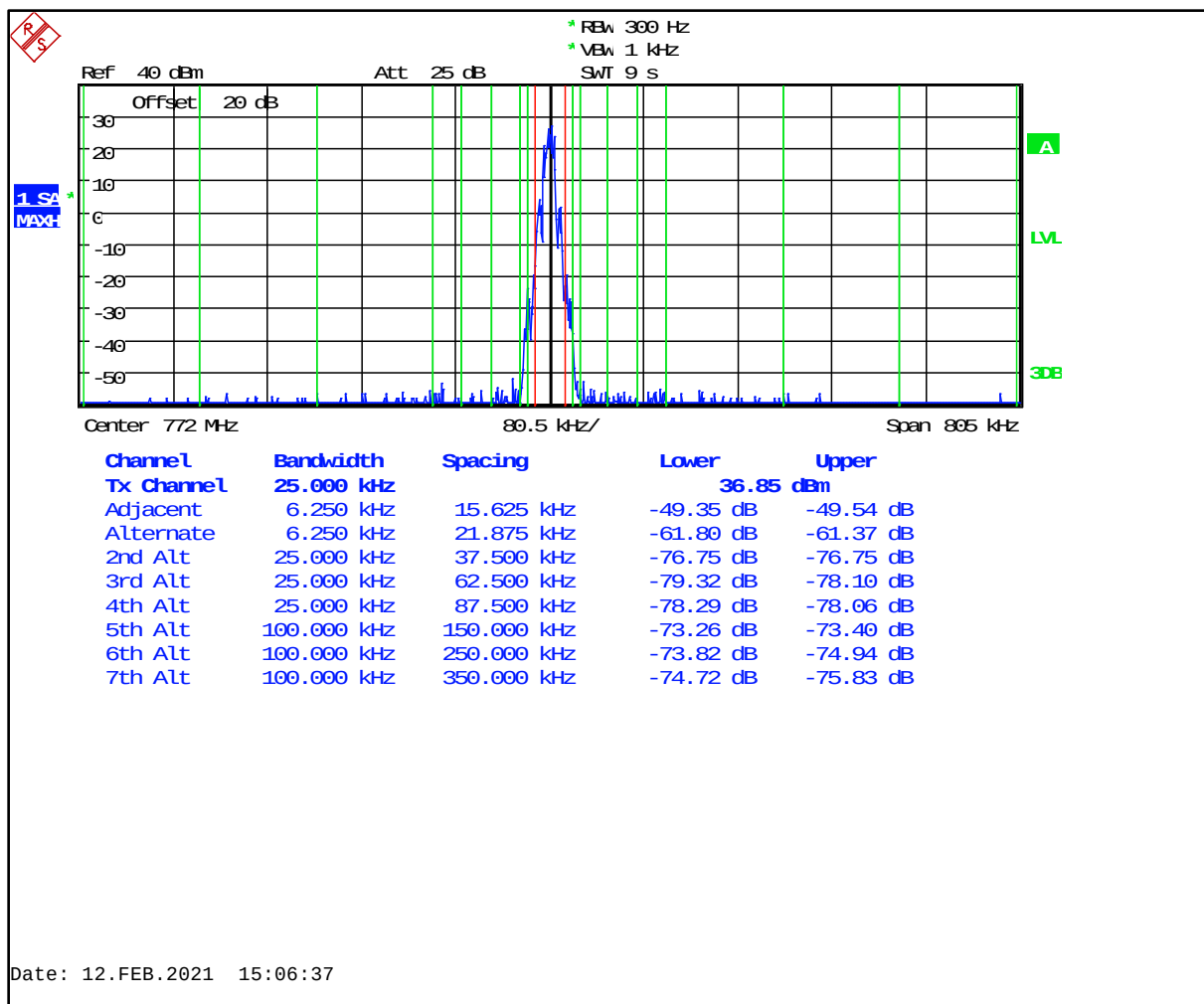
**Plot 6-32: Adjacent Channel Power - 769.0125 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**



**Table 6-32: Adjacent Channel Power - 769.0125 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -105.7        |
| In receive band                    | 30(s)                | -100          | -118.3        |

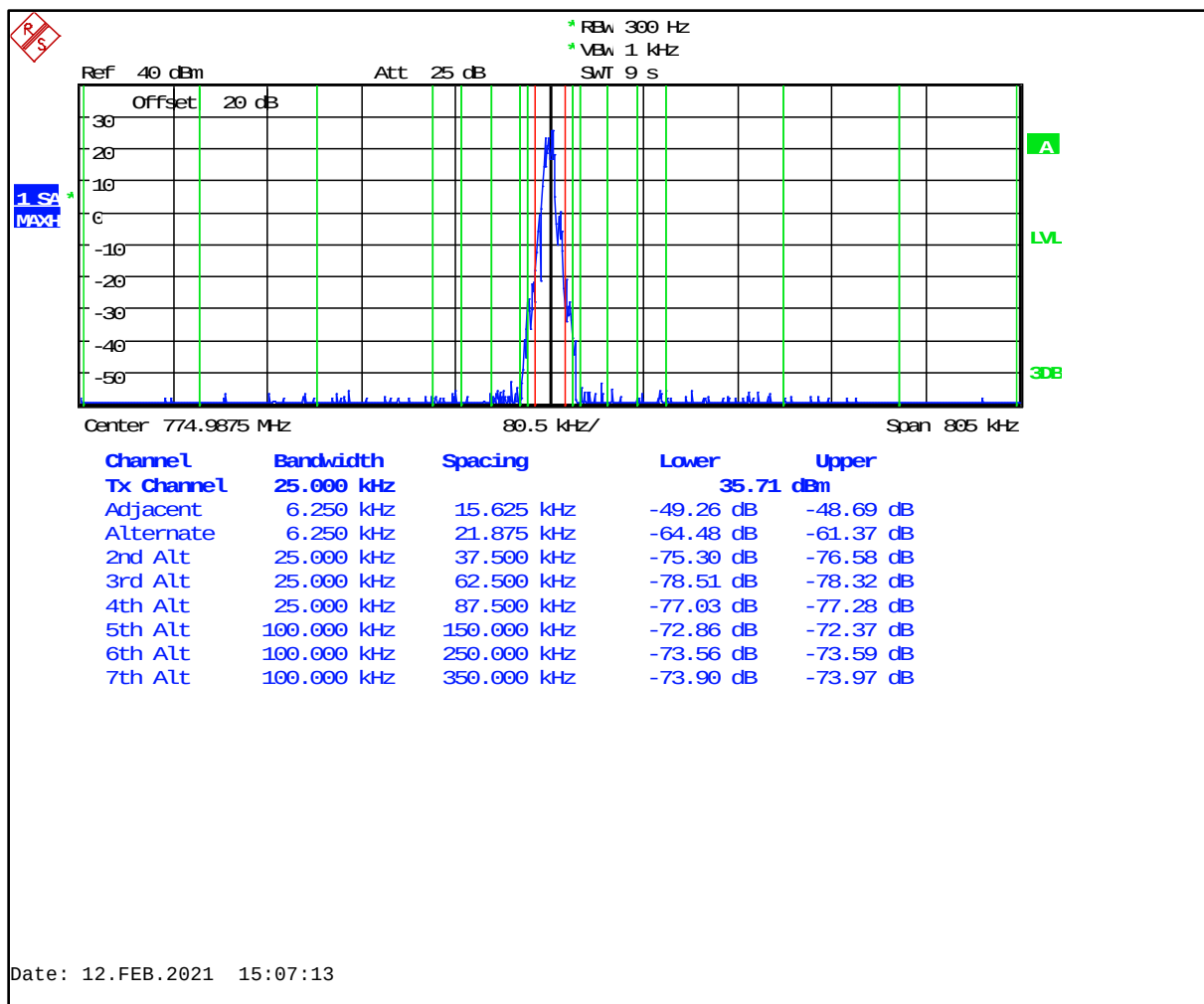
**Plot 6-33: Adjacent Channel Power - 772.0000 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**



**Table 6-33: Adjacent Channel Power - 772.0000 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.5        |
| In receive band                    | 30(s)                | -100          | -117.6        |

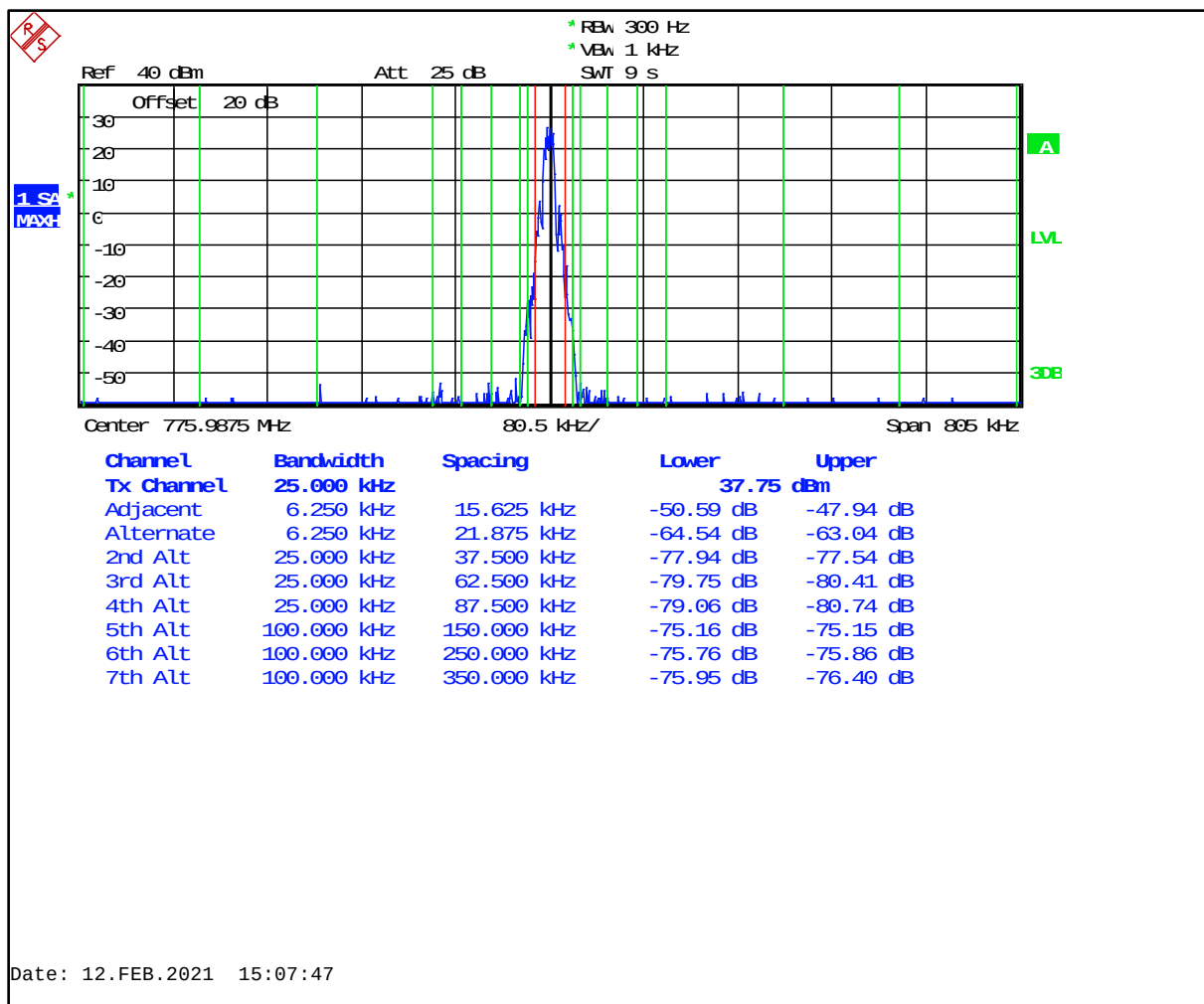
**Plot 6-34: Adjacent Channel Power - 774.9875 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**



**Table 6-34: Adjacent Channel Power - 774.9875 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -85.4         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.8        |
| In receive band                    | 30(s)                | -100          | -117.1        |

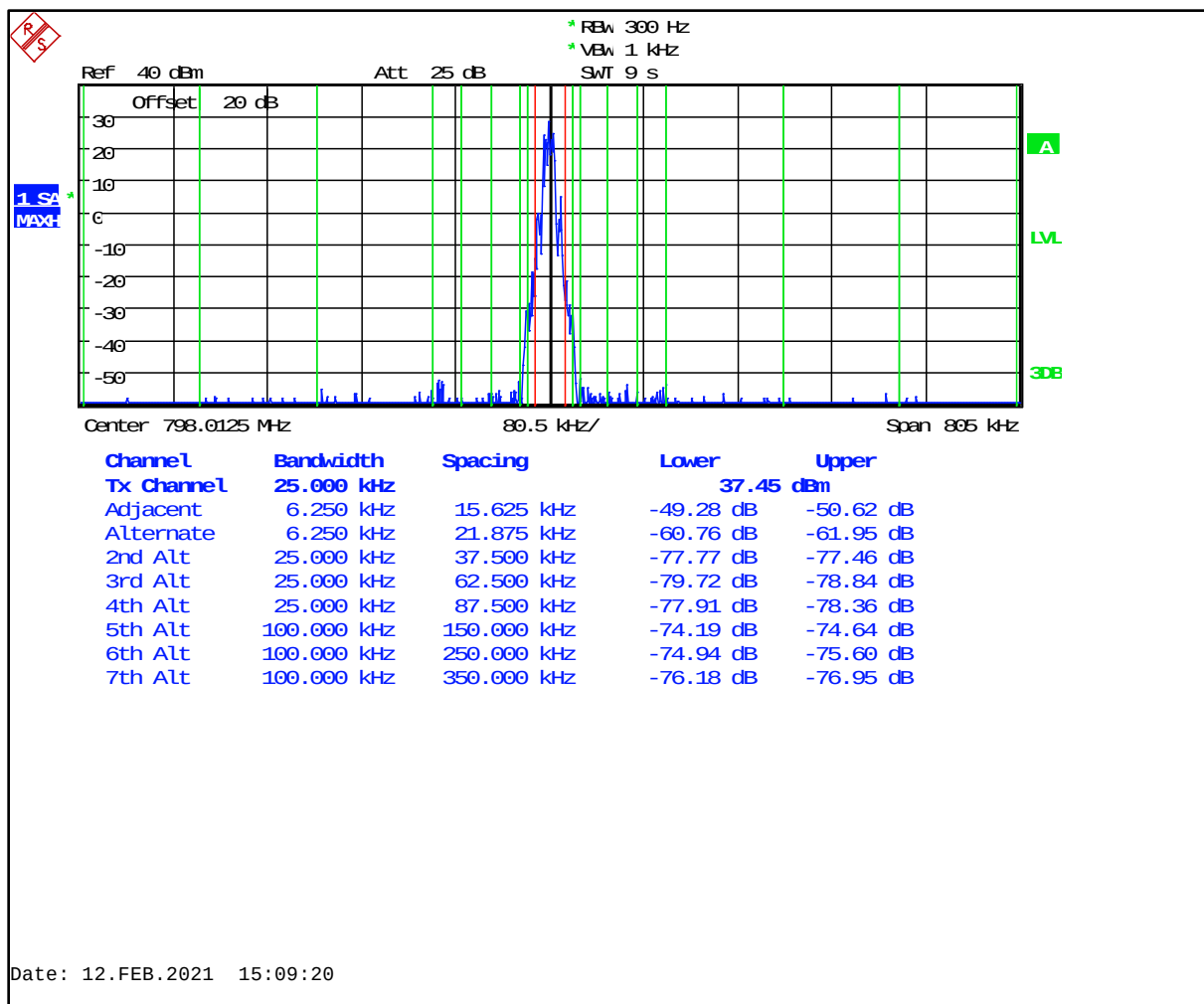
**Plot 6-35: Adjacent Channel Power - 775.9875 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**



**Table 6-35: Adjacent Channel Power - 775.9875 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.8         |
| 12 MHz to receive band             | 30(s)                | -75           | -105.5        |
| In receive band                    | 30(s)                | -100          | -117.2        |

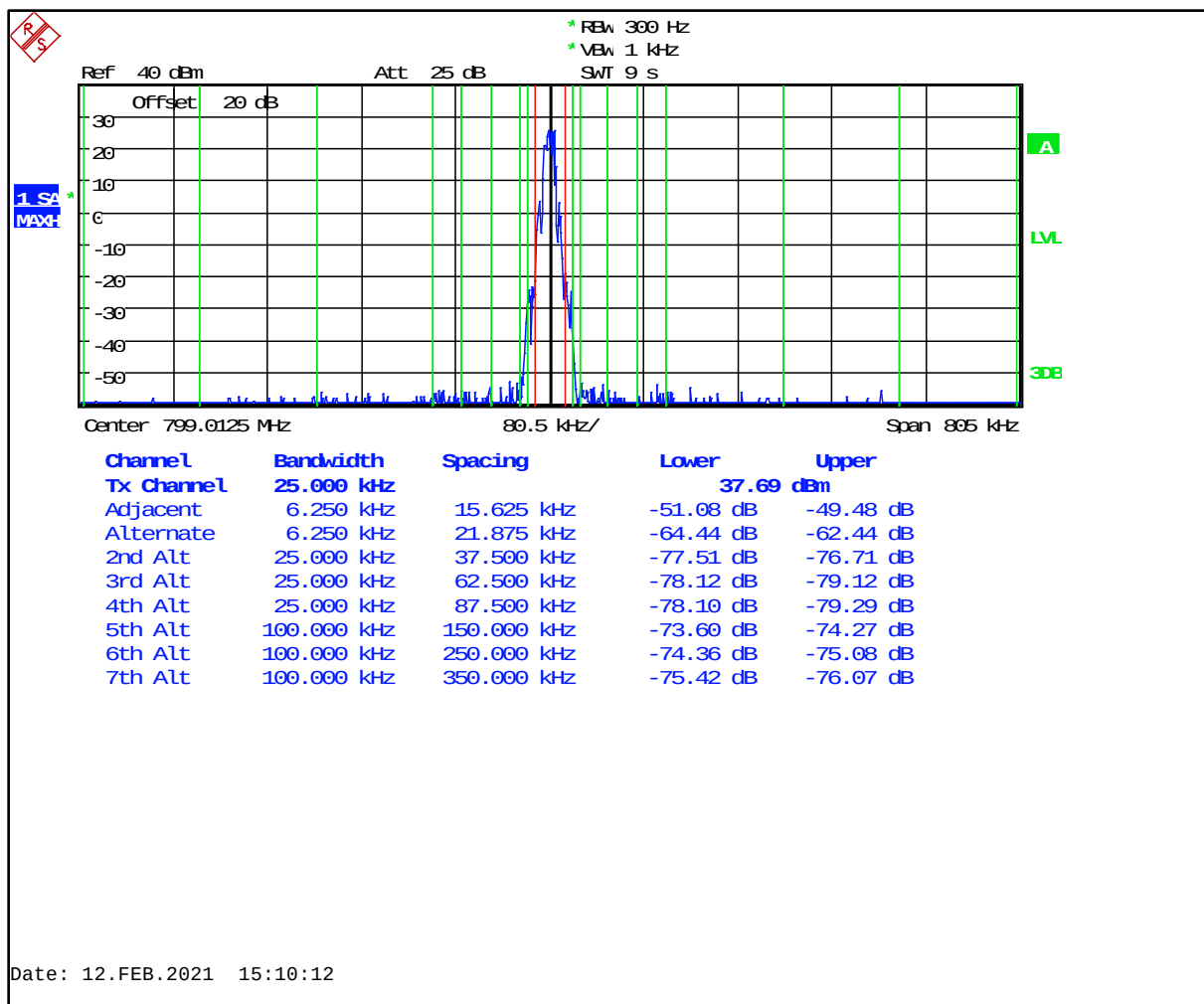
**Plot 6-36: Adjacent Channel Power - 798.0125 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**



**Table 6-36: Adjacent Channel Power - 798.0125 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.8         |
| 12 MHz to receive band             | 30(s)                | -75           | -101.6        |
| In receive band                    | 30(s)                | -100          | -104.1        |

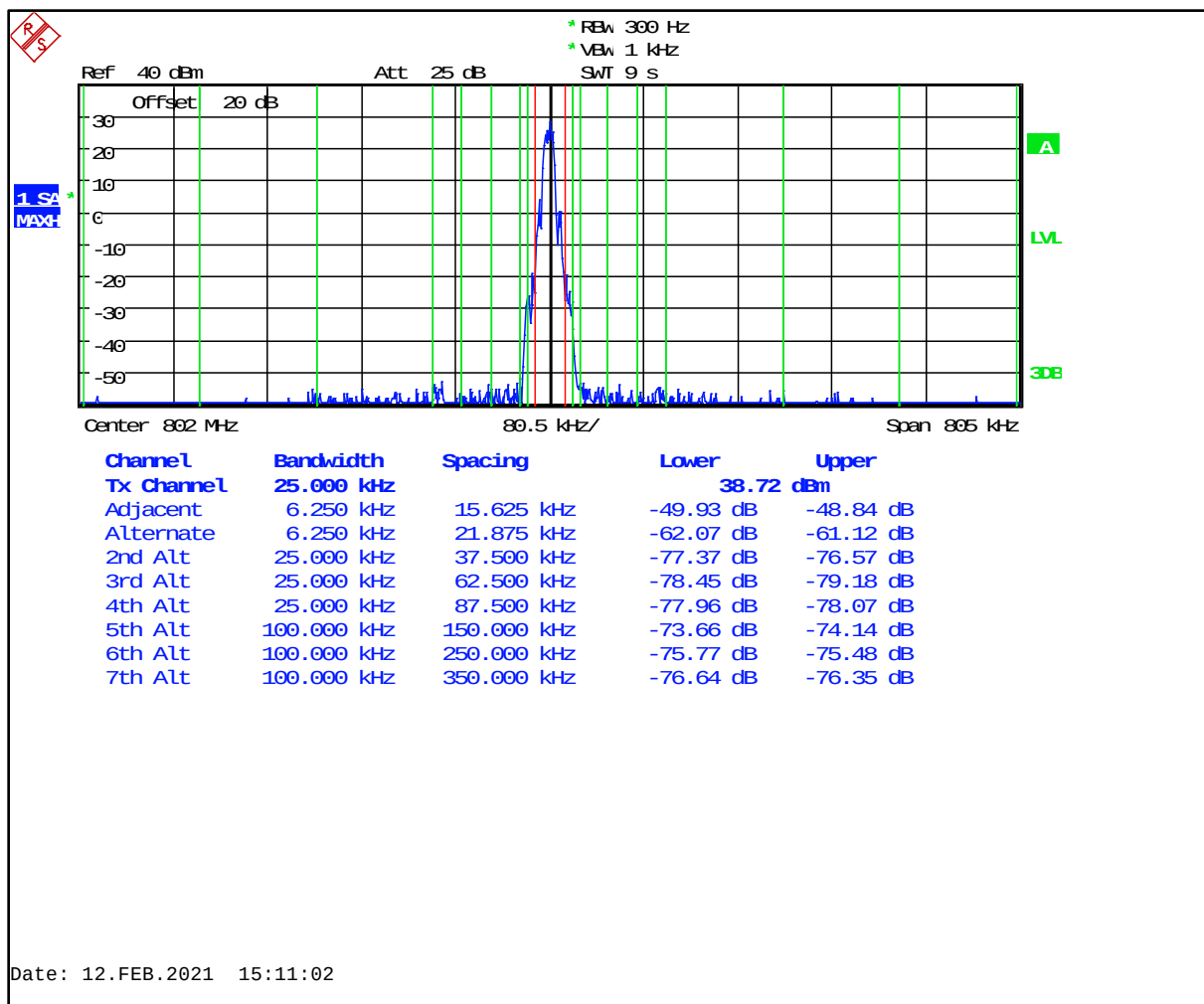
**Plot 6-37: Adjacent Channel Power - 799.0125 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**



**Table 6-37: Adjacent Channel Power - 799.0125 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.6         |
| 12 MHz to receive band             | 30(s)                | -75           | -98.4         |
| In receive band                    | 30(s)                | -100          | -106.6        |

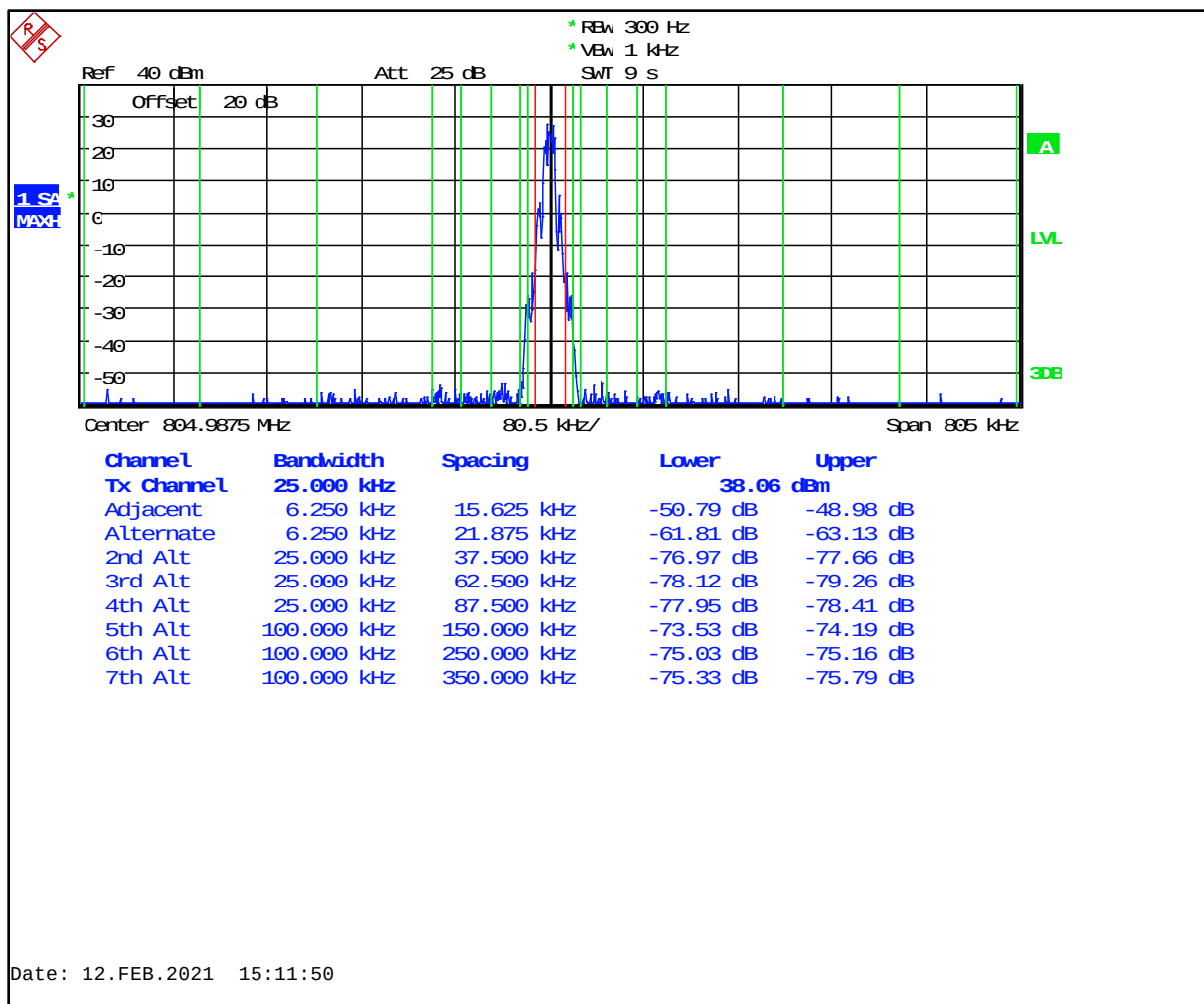
**Plot 6-38: Adjacent Channel Power - 802.0000 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**



**Table 6-38: Adjacent Channel Power - 802.0000 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.6         |
| 12 MHz to receive band             | 30(s)                | -75           | -98.4         |
| In receive band                    | 30(s)                | -100          | -106.6        |

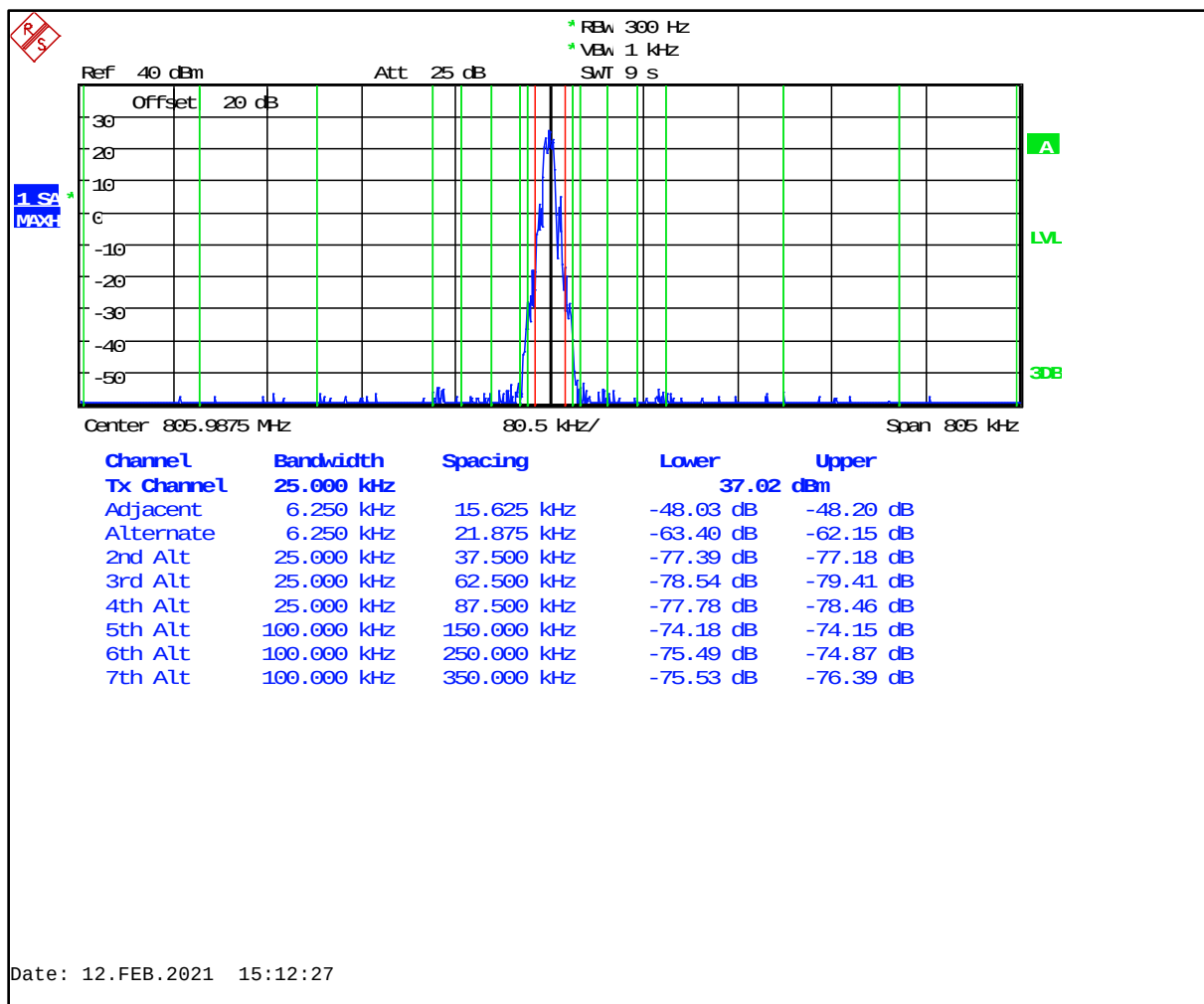
**Plot 6-39: Adjacent Channel Power – 804.9875 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**



**Table 6-39: Adjacent Channel Power – 804.9875 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.0         |
| 12 MHz to receive band             | 30(s)                | -75           | -96.6         |
| In receive band                    | 30(s)                | -100          | -110.8        |

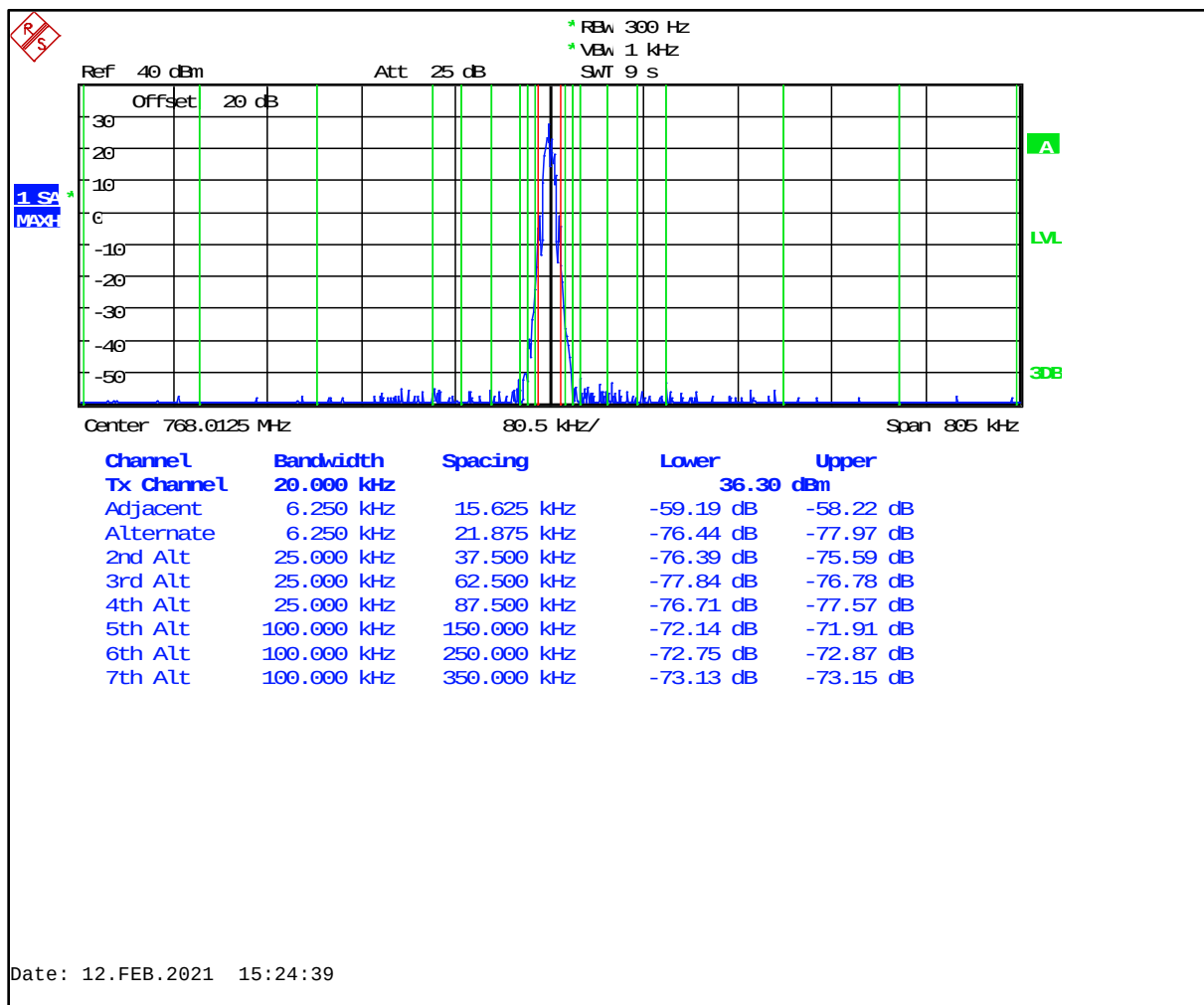
**Plot 6-40: Adjacent Channel Power – 805.9875 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**



**Table 6-40: Adjacent Channel Power – 805.9875 MHz; 2-level FSK 9600; 25.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -96.2         |
| In receive band                    | 30(s)                | -100          | -114.1        |

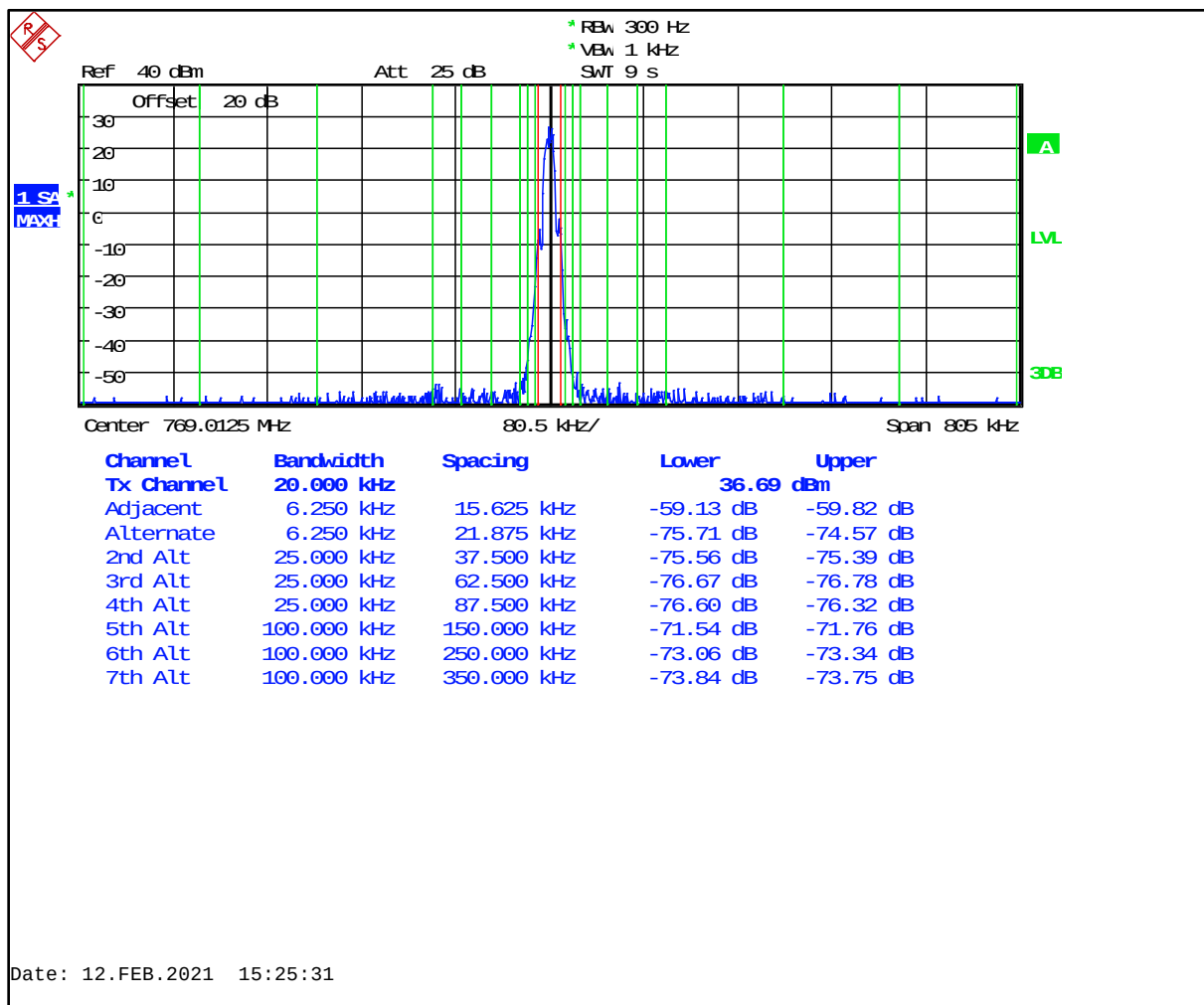
**Plot 6-41: Adjacent Channel Power - 768.0125 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**



**Table 6-41: Adjacent Channel Power - 768.0125 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -79.3         |
| 12 MHz to receive band             | 30(s)                | -75           | -97.6         |
| In receive band                    | 30(s)                | -100          | -118.9        |

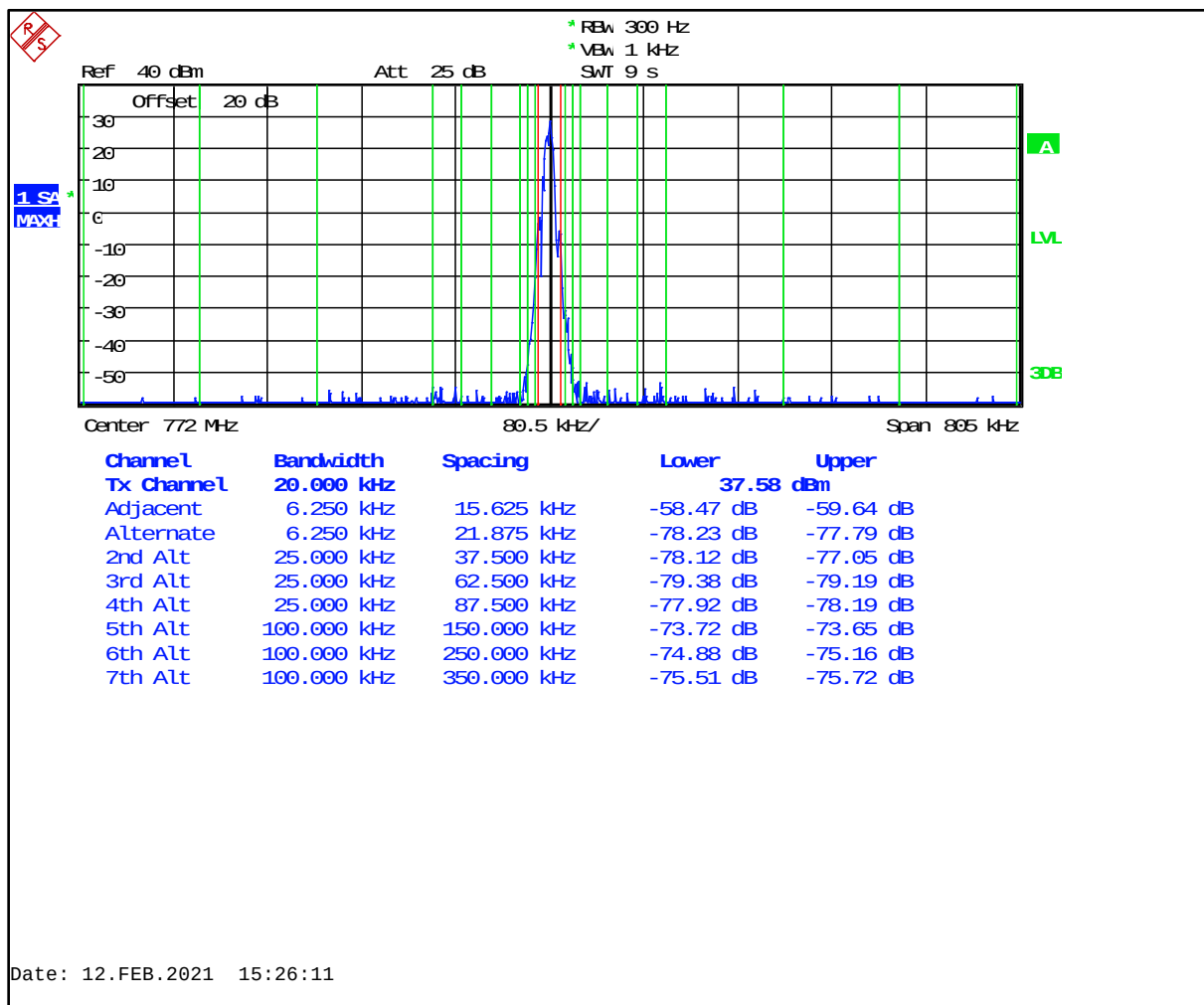
**Plot 6-42: Adjacent Channel Power - 769.0125 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**



**Table 6-42: Adjacent Channel Power - 769.0125 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.3         |
| 12 MHz to receive band             | 30(s)                | -75           | -104.8        |
| In receive band                    | 30(s)                | -100          | -117.7        |

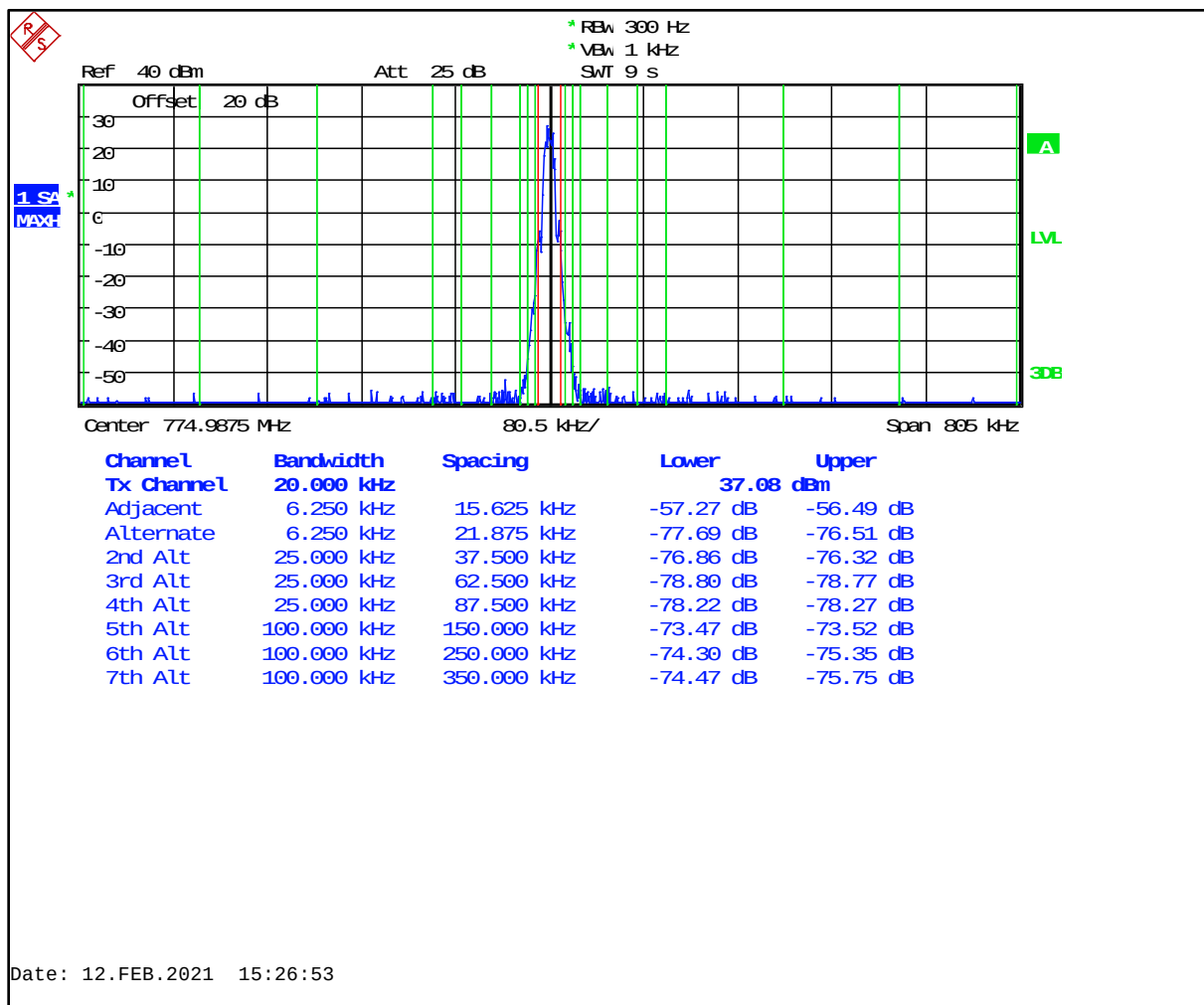
**Plot 6-43: Adjacent Channel Power - 772.0000 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**



**Table 6-43: Adjacent Channel Power - 772.0000 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -85.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.7        |
| In receive band                    | 30(s)                | -100          | -117.4        |

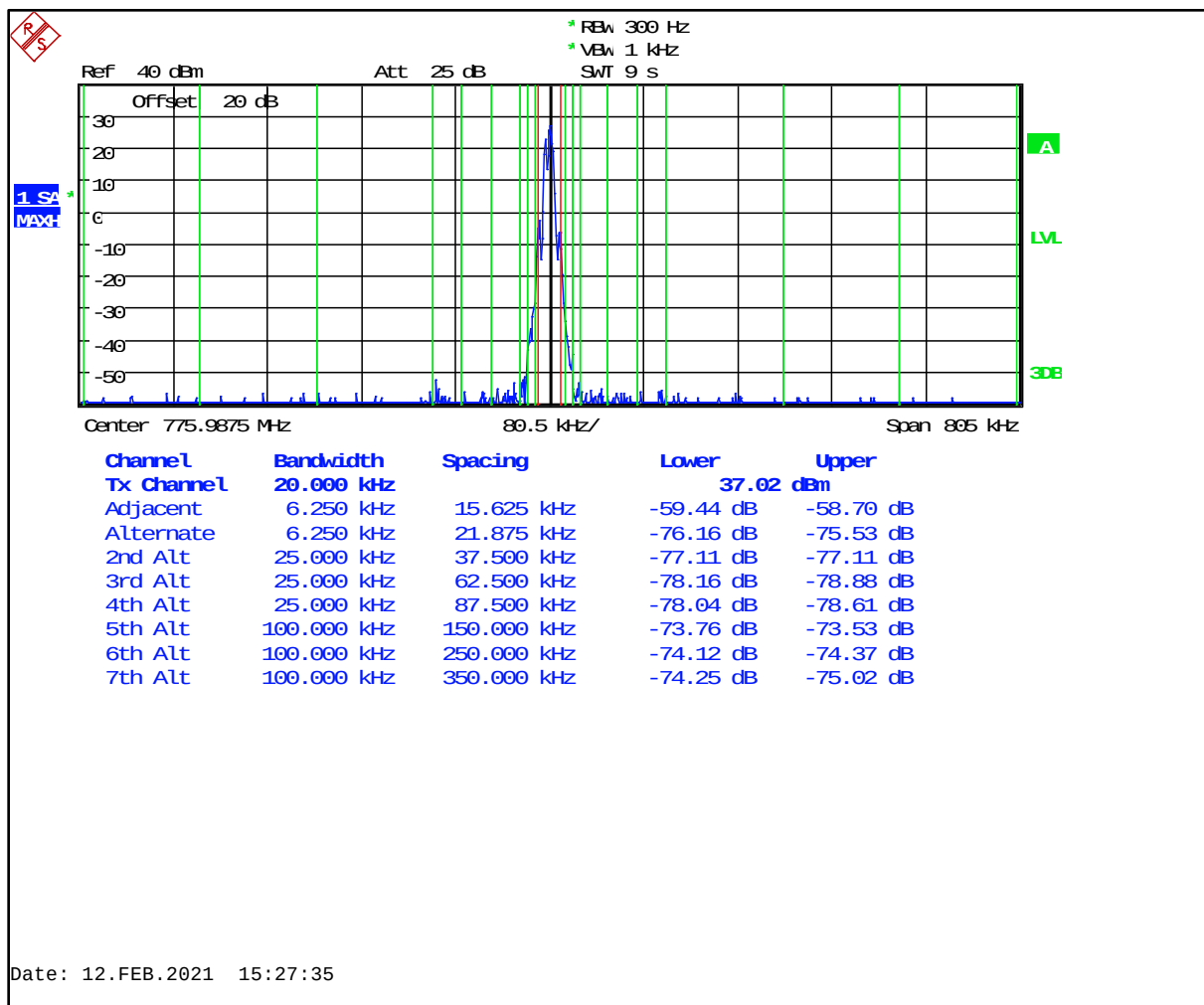
**Plot 6-44: Adjacent Channel Power - 774.9875 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**



**Table 6-44: Adjacent Channel Power - 774.9875 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.1         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.3        |
| In receive band                    | 30(s)                | -100          | -116.9        |

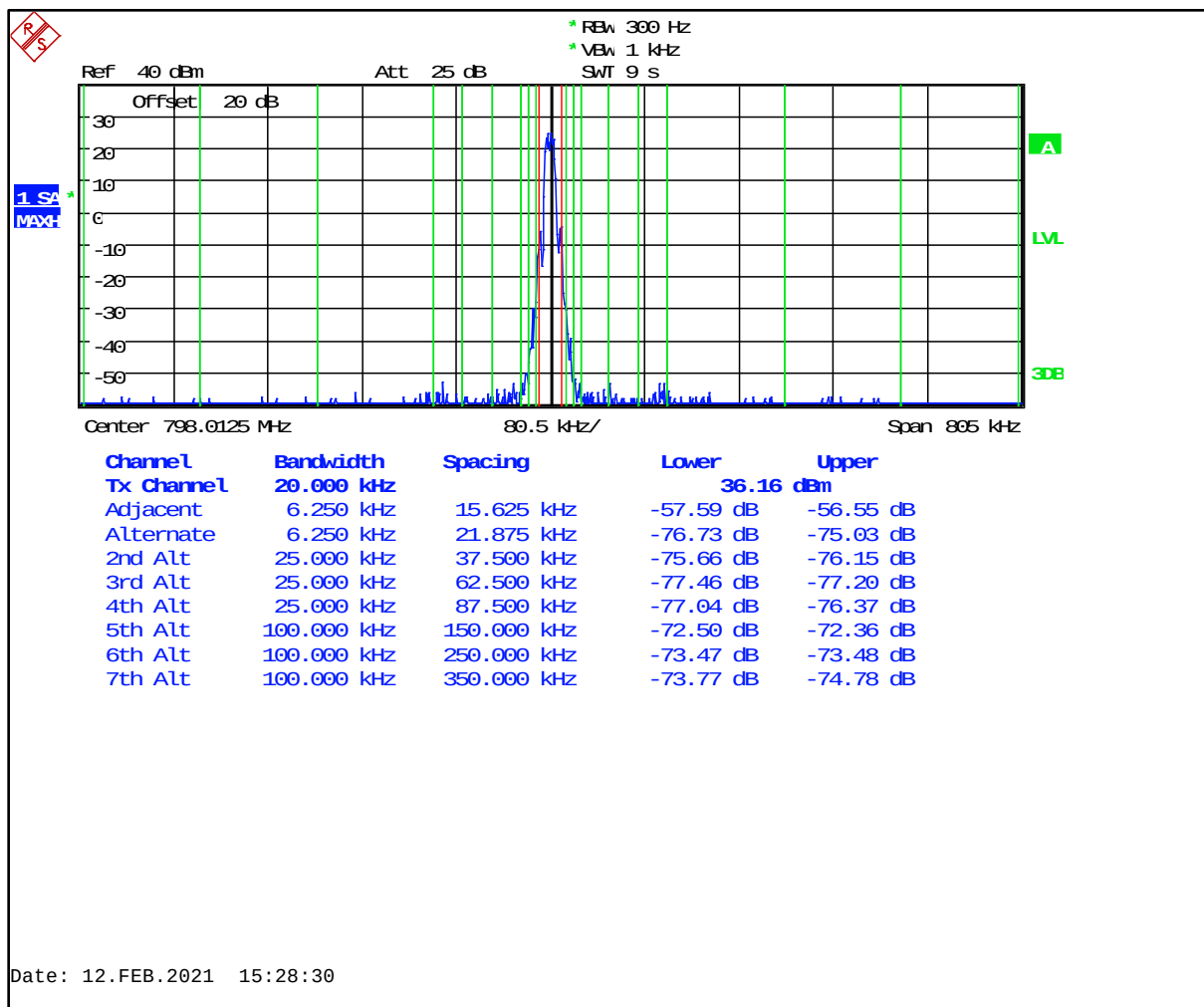
**Plot 6-45: Adjacent Channel Power - 775.9875 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**



**Table 6-45: Adjacent Channel Power - 775.9875 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.5         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.2        |
| In receive band                    | 30(s)                | -100          | -116.7        |

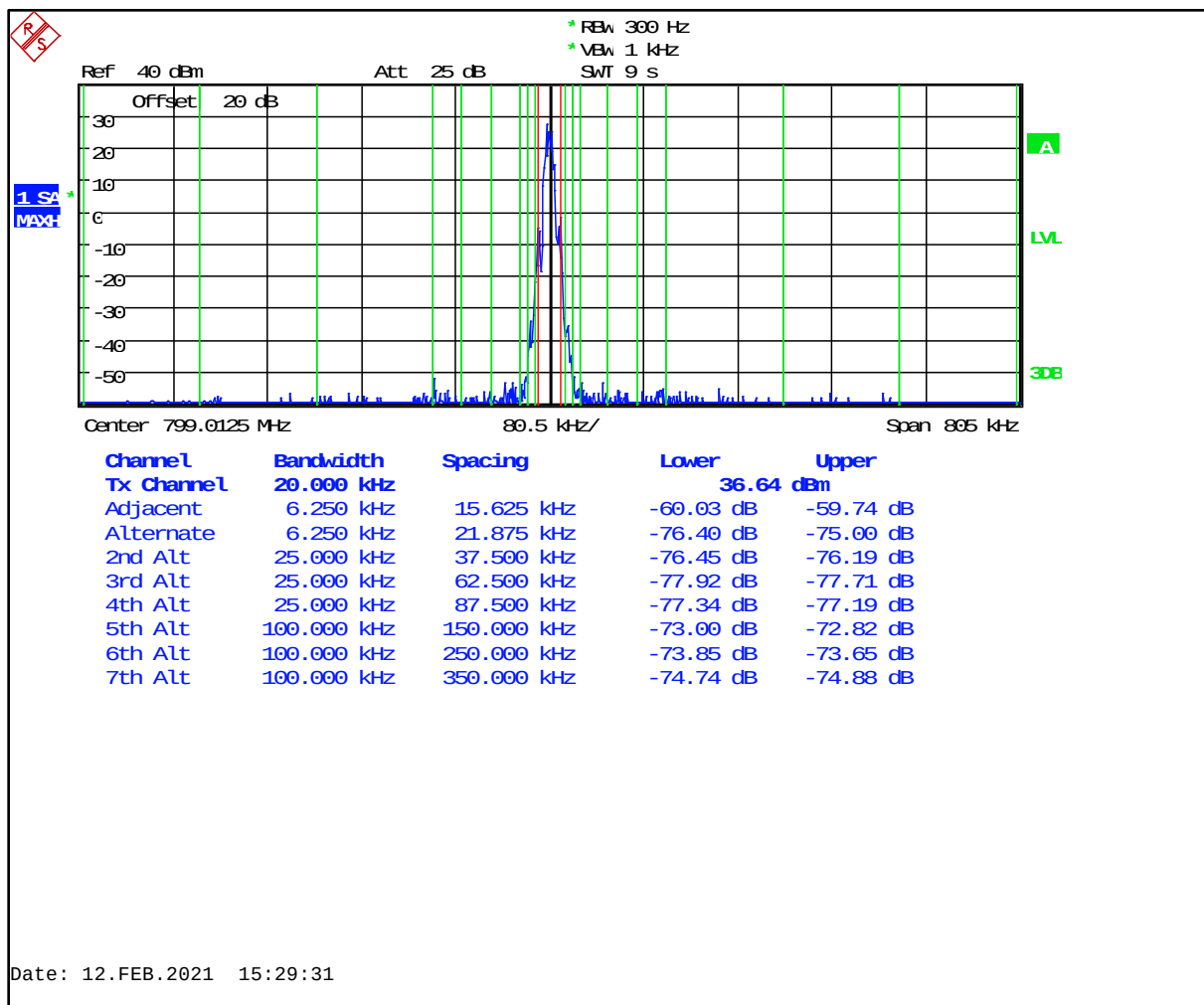
**Plot 6-46: Adjacent Channel Power - 798.0125 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**



**Table 6-46: Adjacent Channel Power - 798.0125 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -101.1        |
| In receive band                    | 30(s)                | -100          | -104.4        |

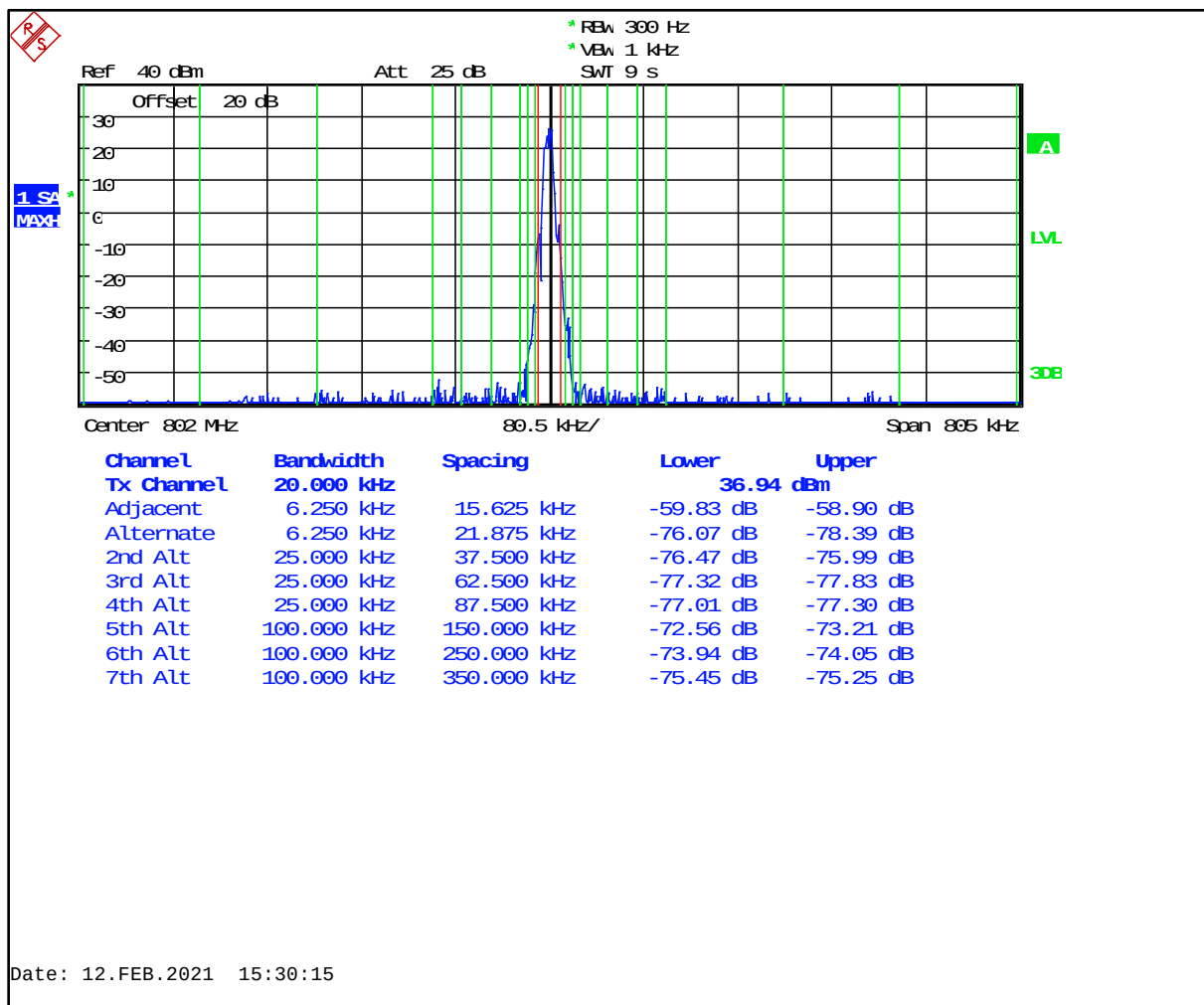
**Plot 6-47: Adjacent Channel Power - 799.0125 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**



**Table 6-47: Adjacent Channel Power - 799.0125 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.6         |
| 12 MHz to receive band             | 30(s)                | -75           | -99.2         |
| In receive band                    | 30(s)                | -100          | -106.1        |

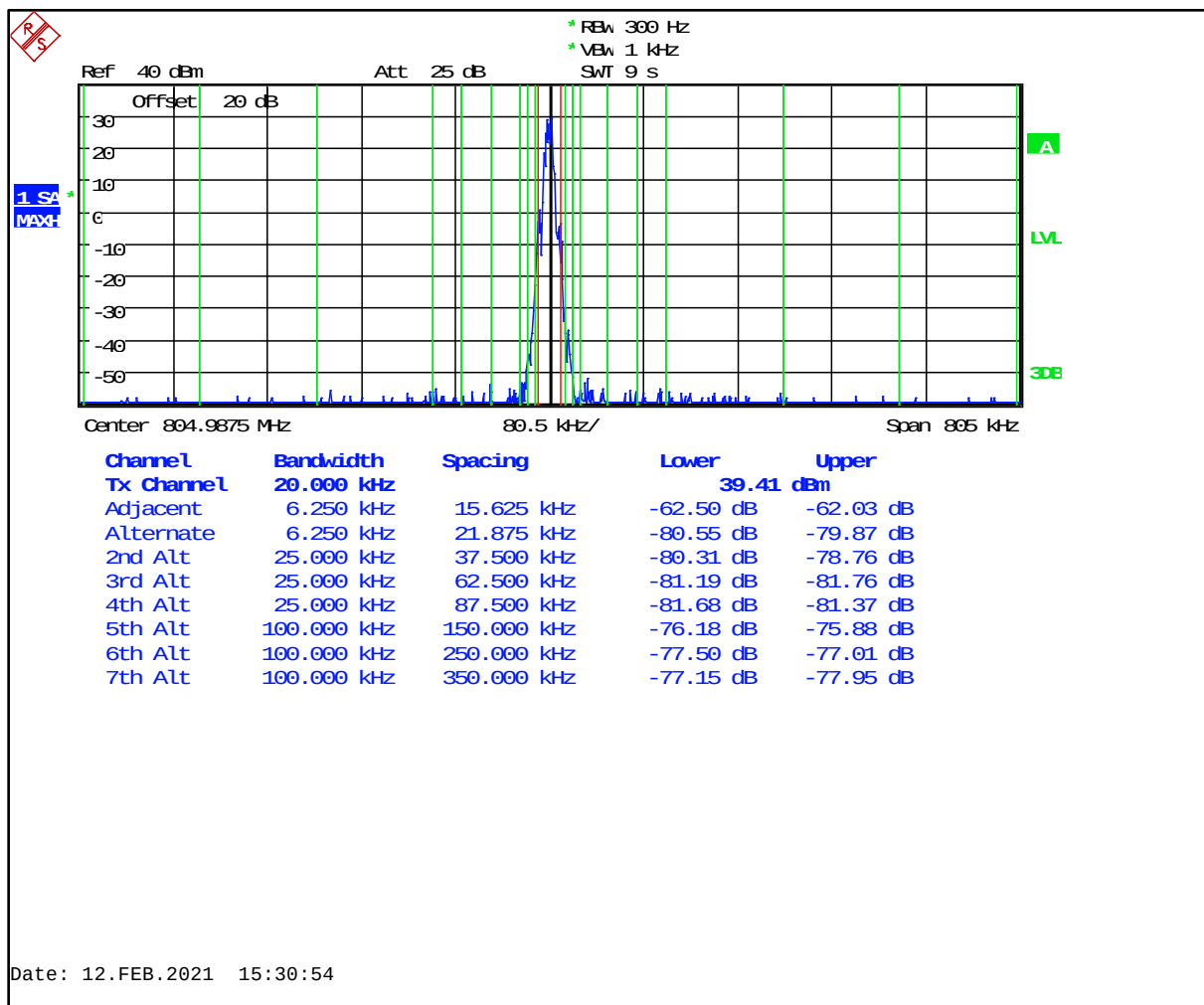
**Plot 6-48: Adjacent Channel Power - 802.0000 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**



**Table 6-48: Adjacent Channel Power - 802.0000 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -97.6         |
| In receive band                    | 30(s)                | -100          | -109.8        |

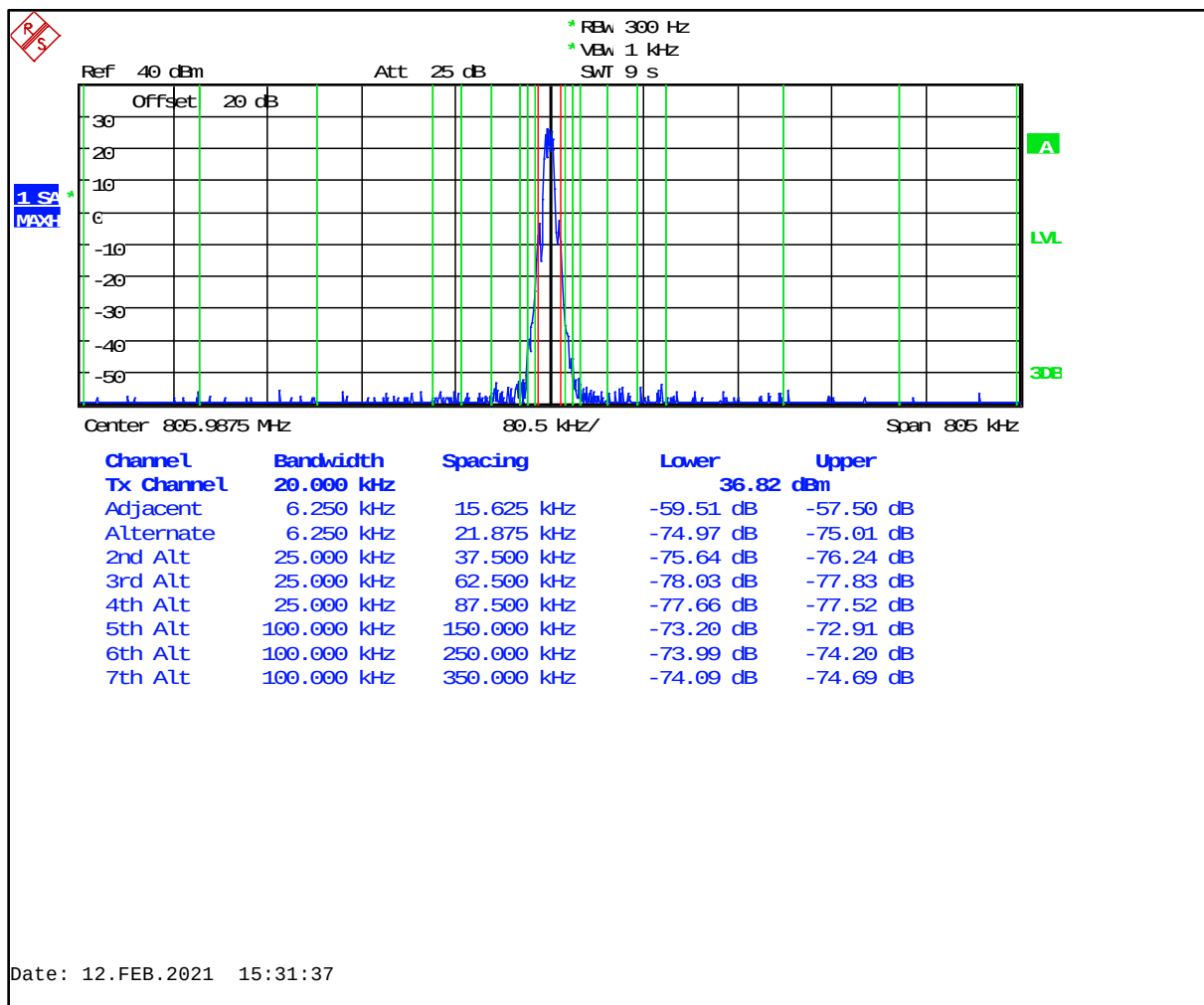
**Plot 6-49: Adjacent Channel Power – 804.9875 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**



**Table 6-49: Adjacent Channel Power – 804.9875 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -96.0         |
| In receive band                    | 30(s)                | -100          | -111.1        |

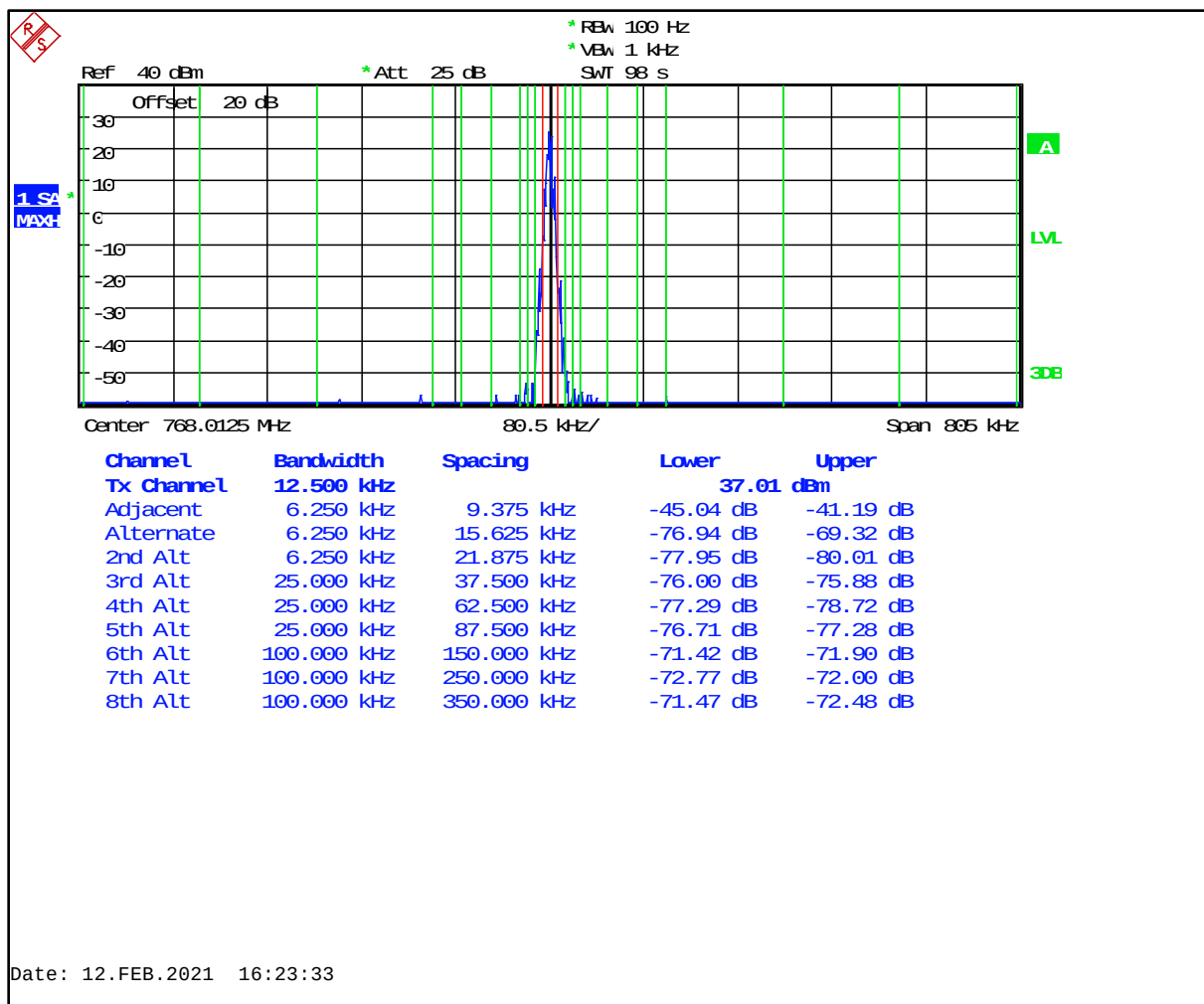
**Plot 6-50: Adjacent Channel Power – 805.9875 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**



**Table 6-50: Adjacent Channel Power – 805.9875 MHz; NPSPAC 2-level FSK 9600; 20.0 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.0         |
| 12 MHz to receive band             | 30(s)                | -75           | -96.9         |
| In receive band                    | 30(s)                | -100          | -114.2        |

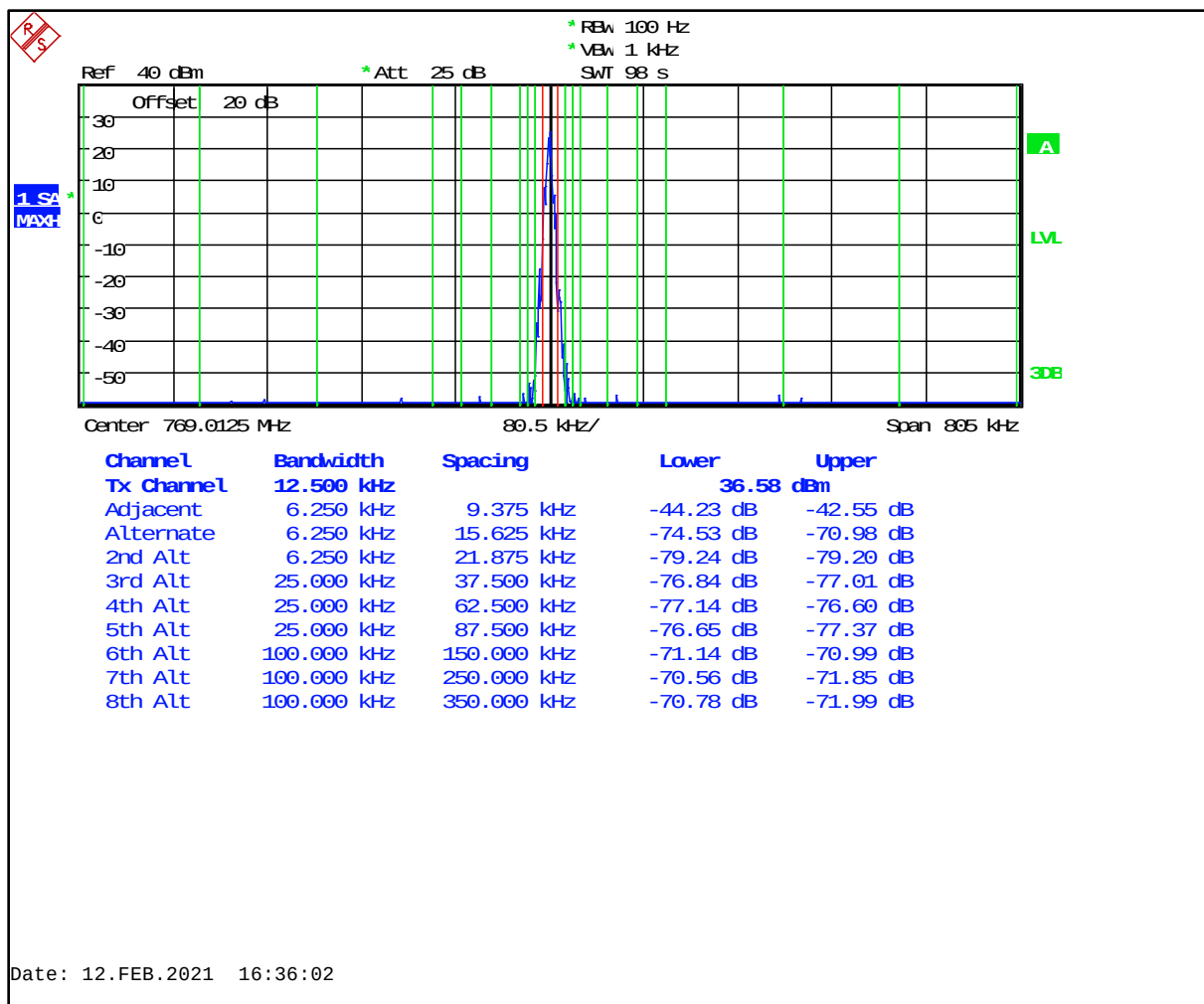
**Plot 6-51: Adjacent Channel Power - 768.0125 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing**



**Table 6-51: Adjacent Channel Power - 768.0125 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -79.4         |
| 12 MHz to receive band             | 30(s)                | -75           | -98.0         |
| In receive band                    | 30(s)                | -100          | -118.5        |

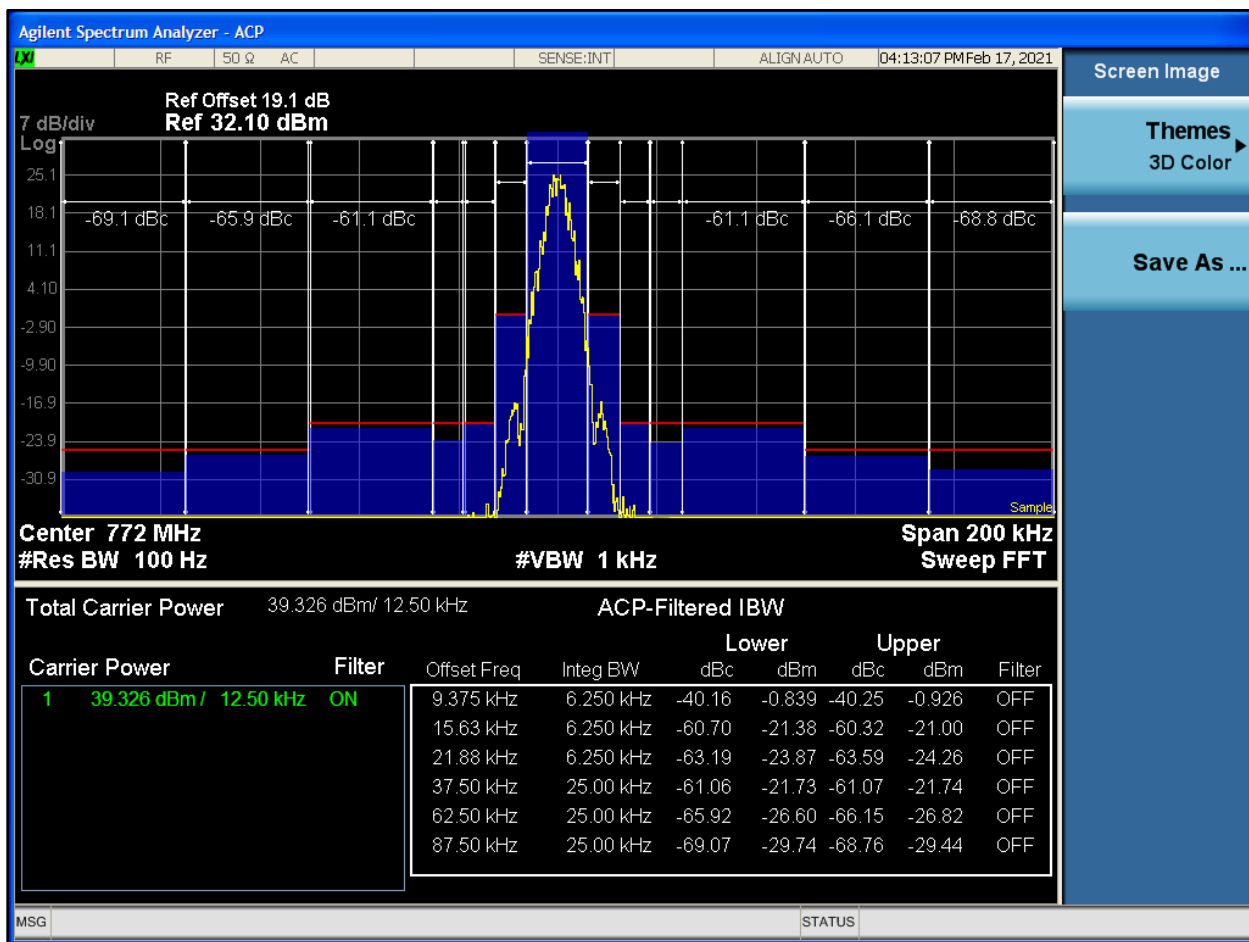
**Plot 6-52: Adjacent Channel Power - 769.0125 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing**



**Table 6-52: Adjacent Channel Power - 769.0125 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -105.3        |
| In receive band                    | 30(s)                | -100          | -117.7        |

**Plot 6-53: Adjacent Channel Power - 772.0000 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (9.375 kHz – 87.5 kHz)**



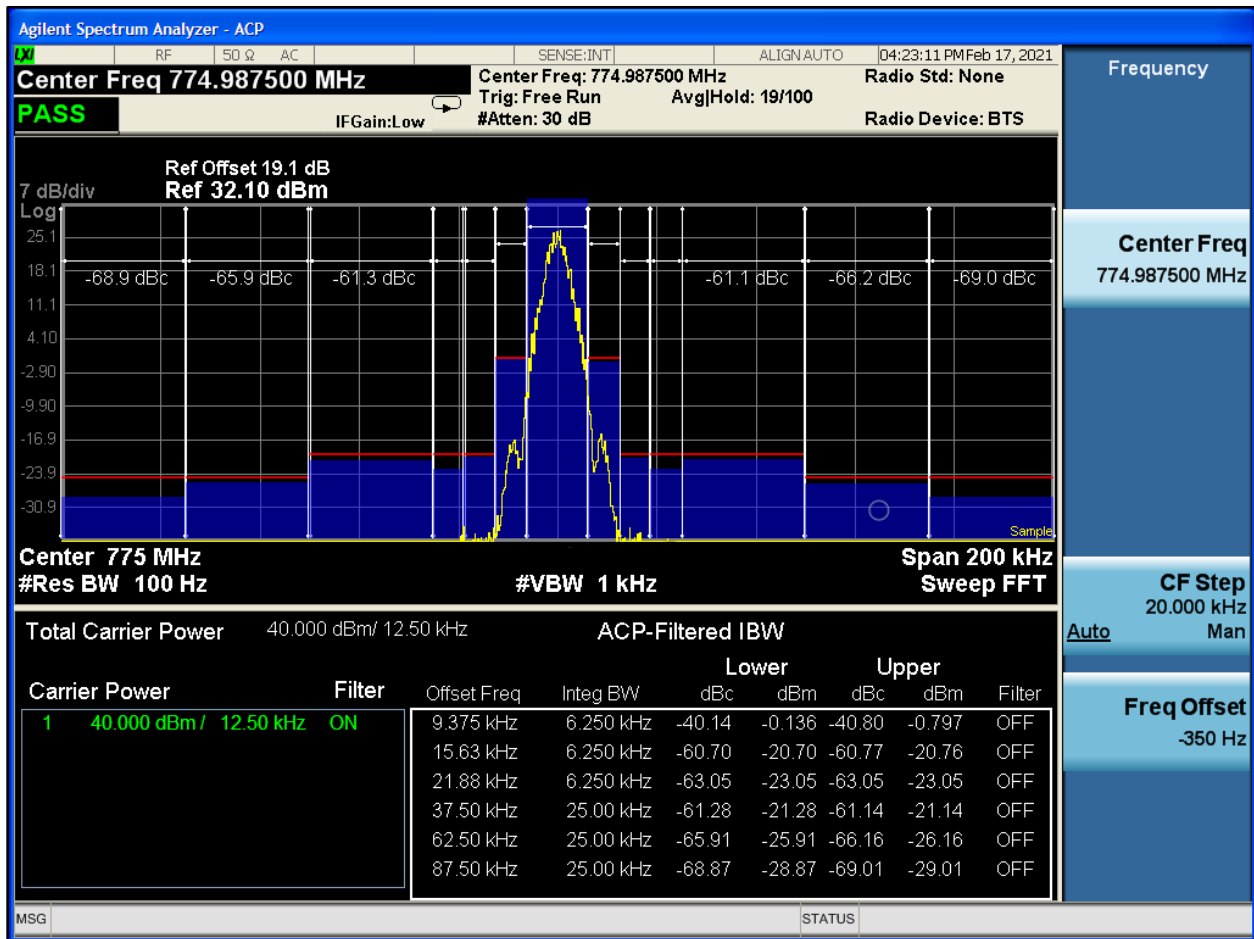
**Plot 6-54: Adjacent Channel Power - 772.0000 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (150 kHz – 350 kHz)**



**Table 6-53: Adjacent Channel Power - 772.0000 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.5         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.3        |
| In receive band                    | 30(s)                | -100          | -117.4        |

**Plot 6-55: Adjacent Channel Power - 774.9875 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (9.375 kHz – 87.5 kHz)**



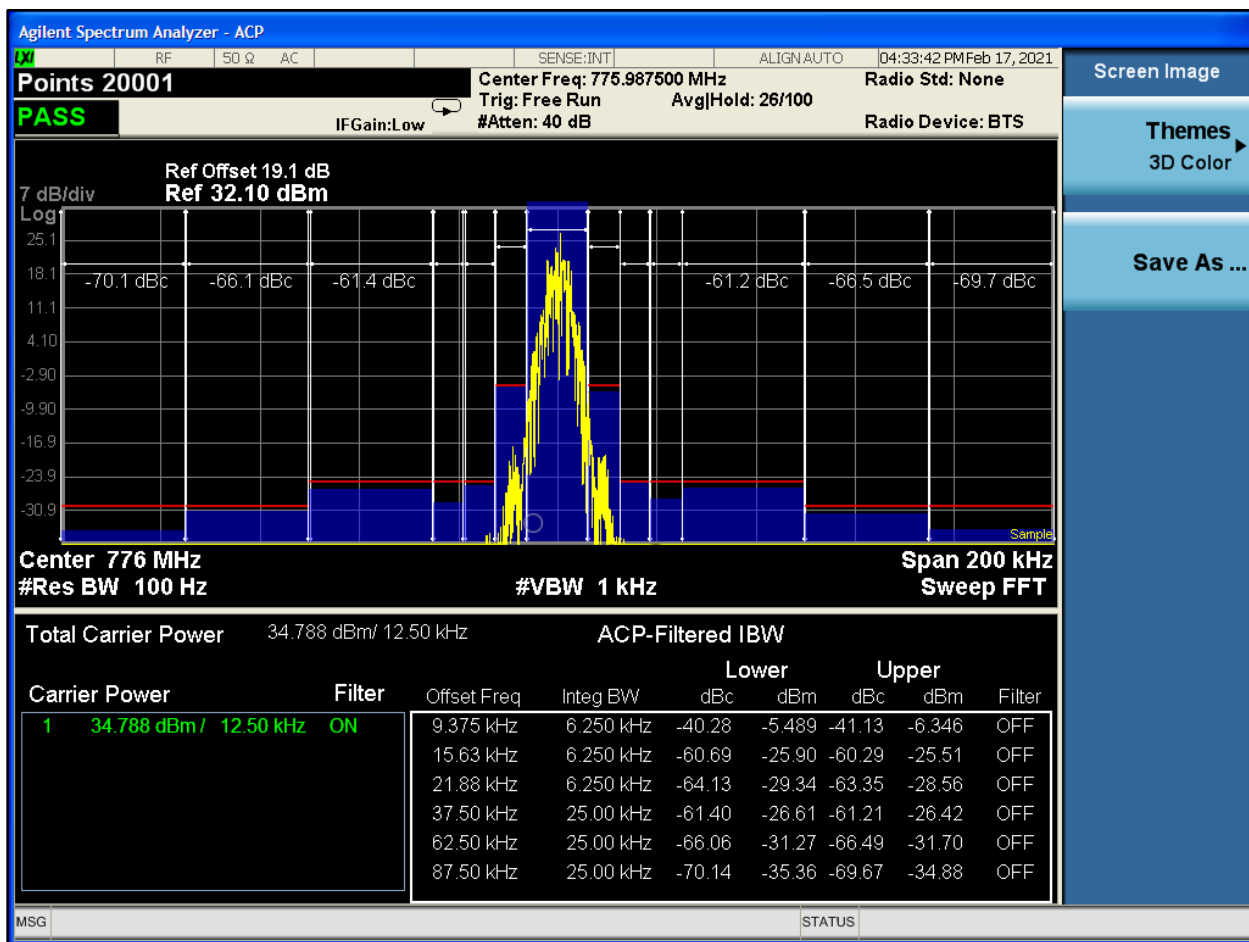
**Plot 6-56: Adjacent Channel Power - 774.9875 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (150 kHz – 350 kHz)**

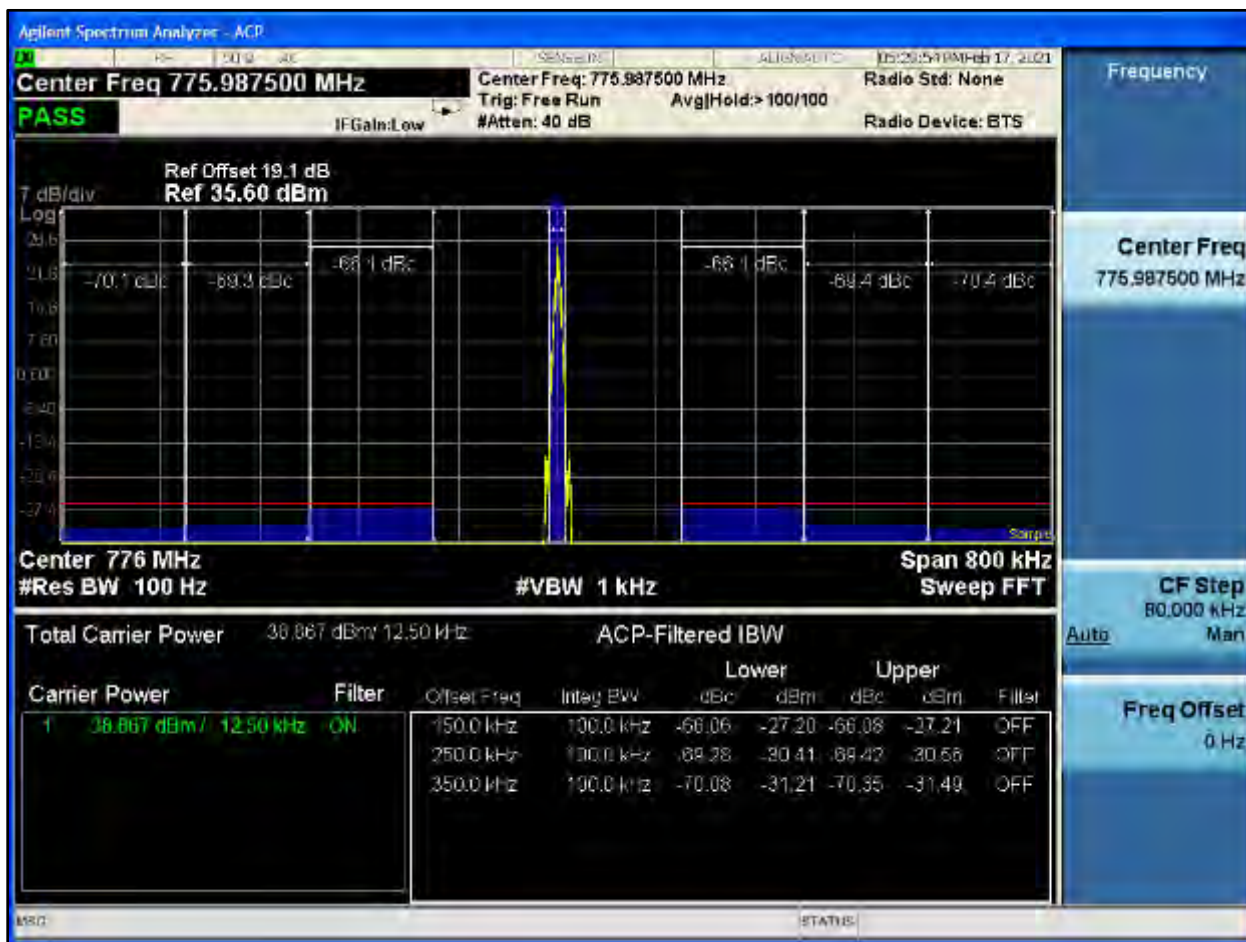


**Table 6-54: Adjacent Channel Power - 774.9875 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -85.9         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.4        |
| In receive band                    | 30(s)                | -100          | -117.2        |

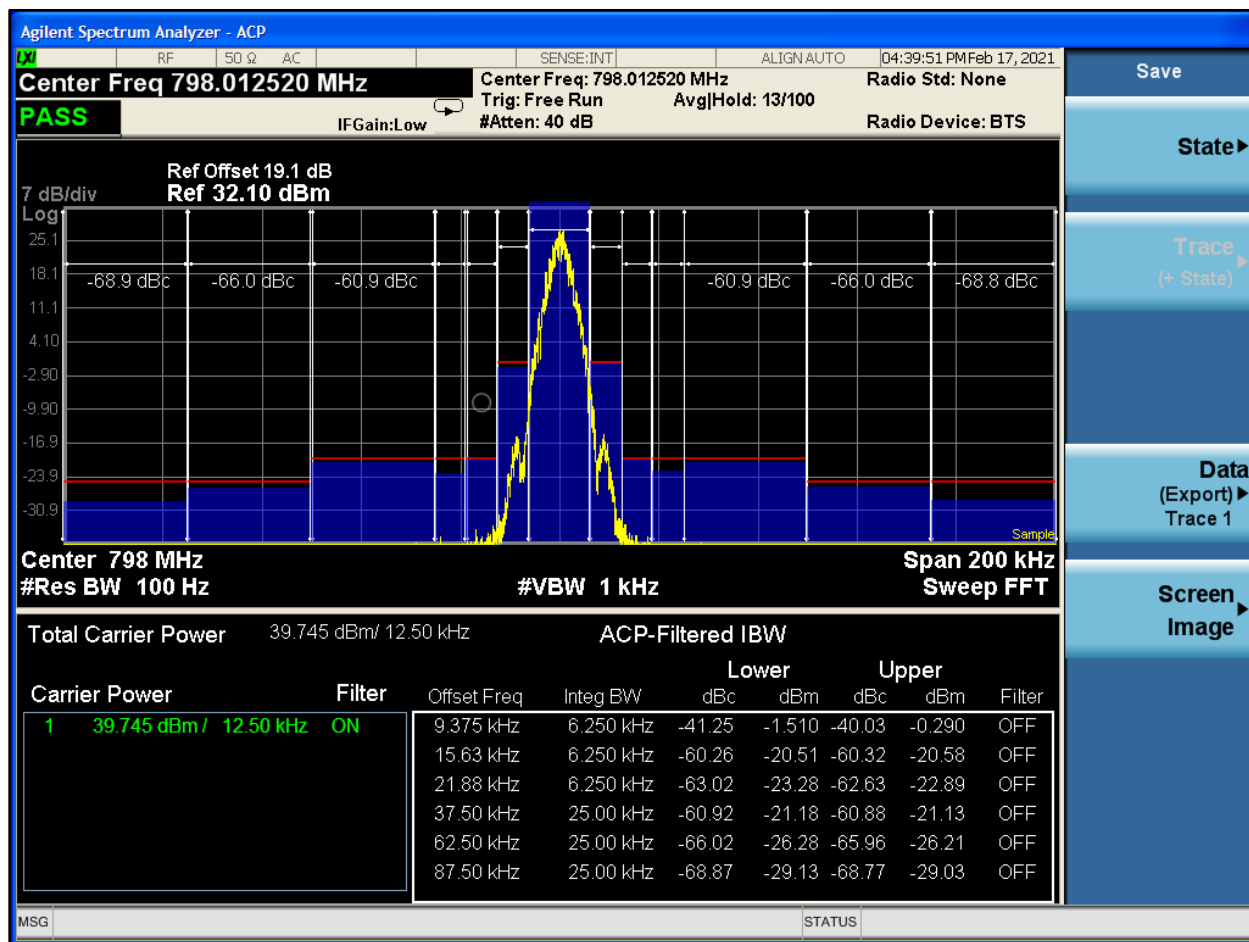
**Plot 6-57: Adjacent Channel Power - 775.9875 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (9.375 kHz – 87.5 kHz)**

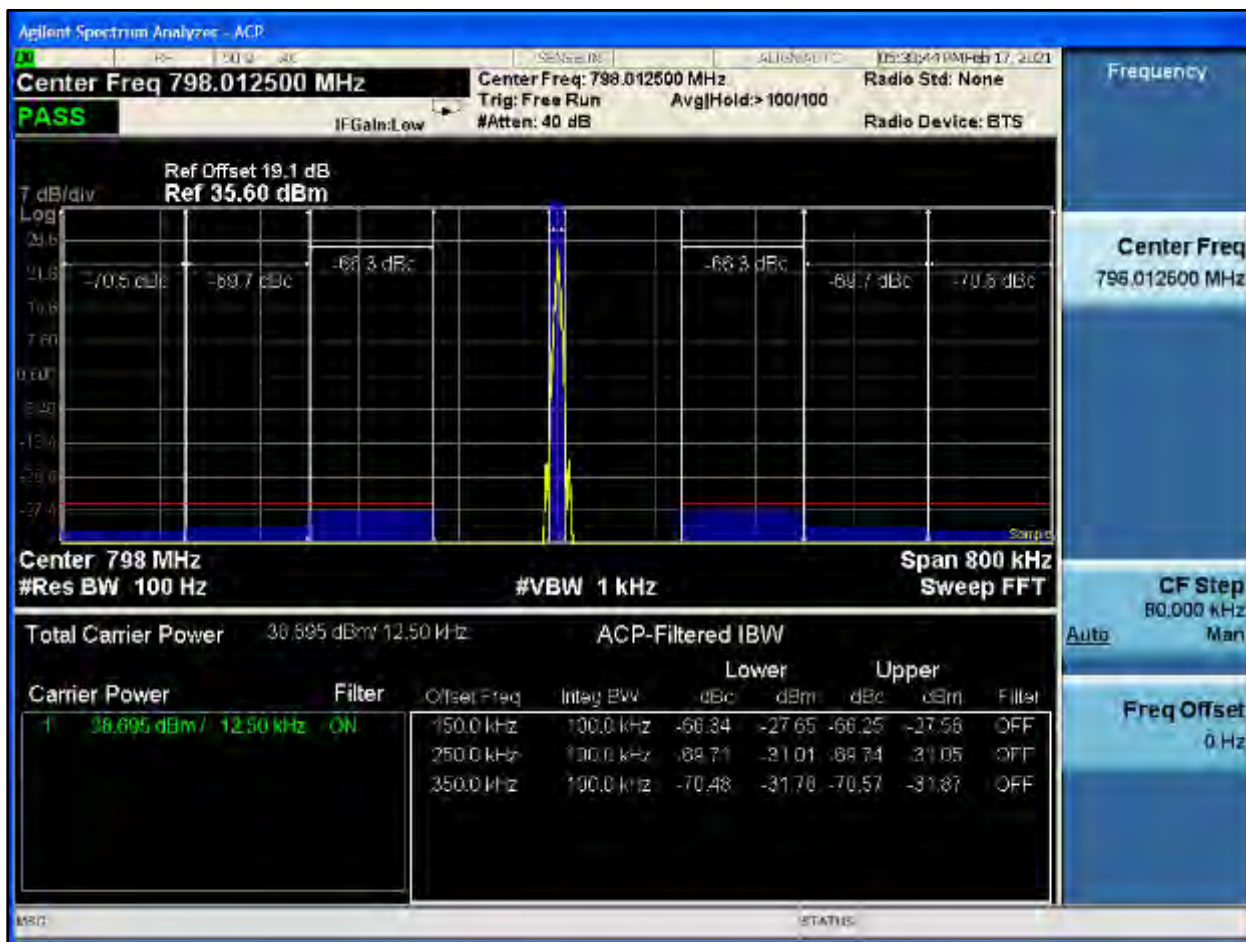




| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.1        |
| In receive band                    | 30(s)                | -100          | -117.0        |

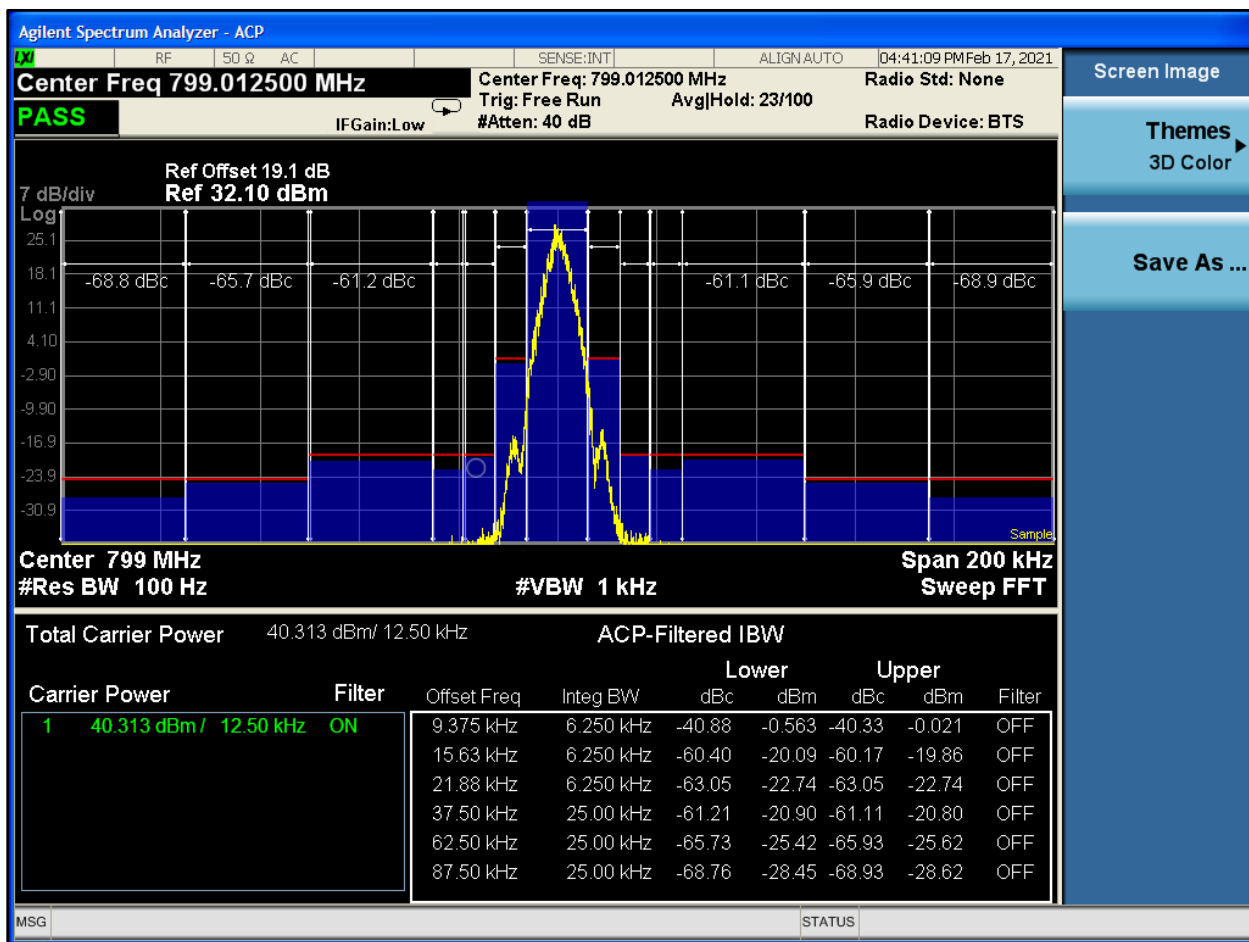
**Plot 6-59: Adjacent Channel Power - 798.0125 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (9.375 kHz – 87.5 kHz)**

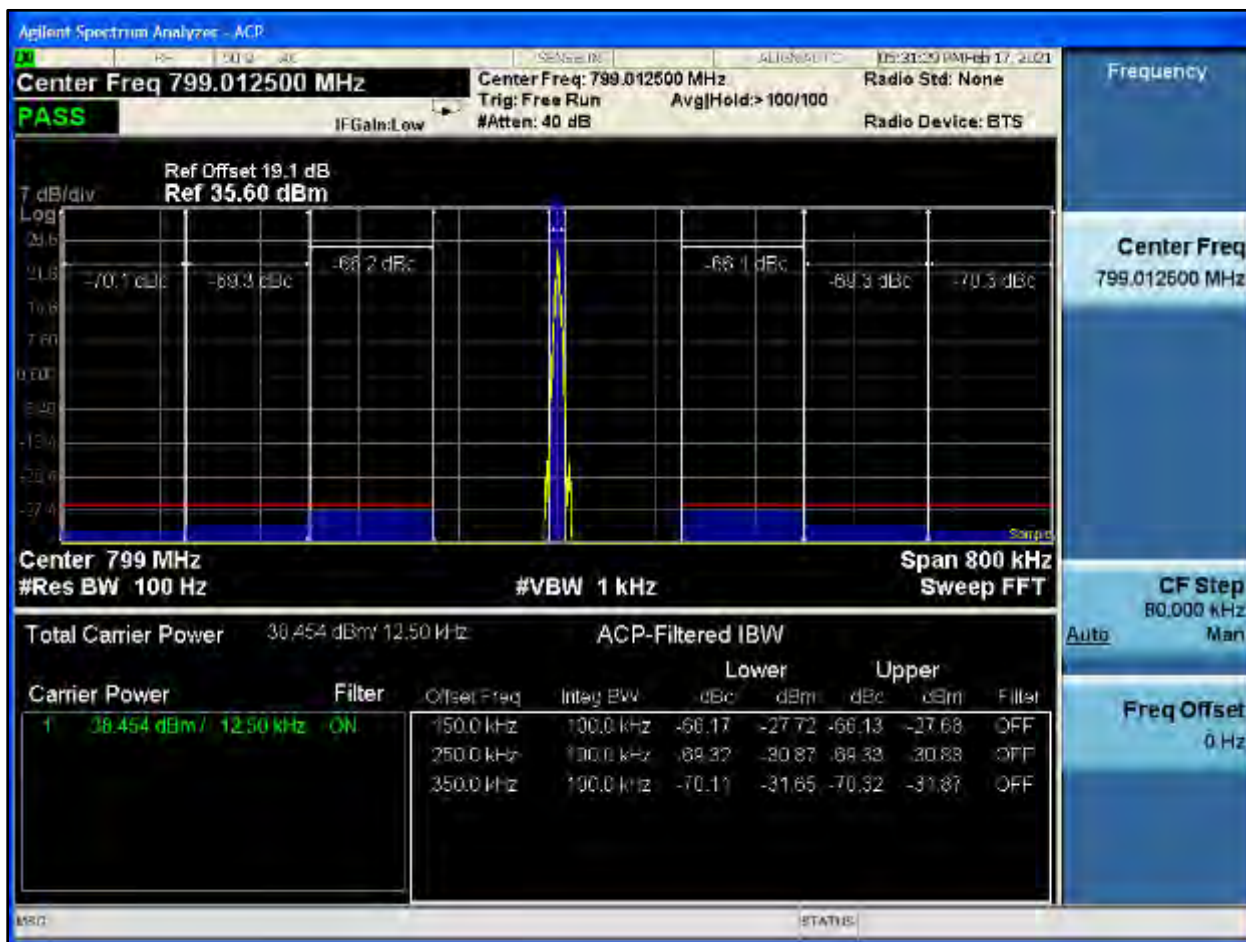




| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -101.8        |
| In receive band                    | 30(s)                | -100          | -103.8        |

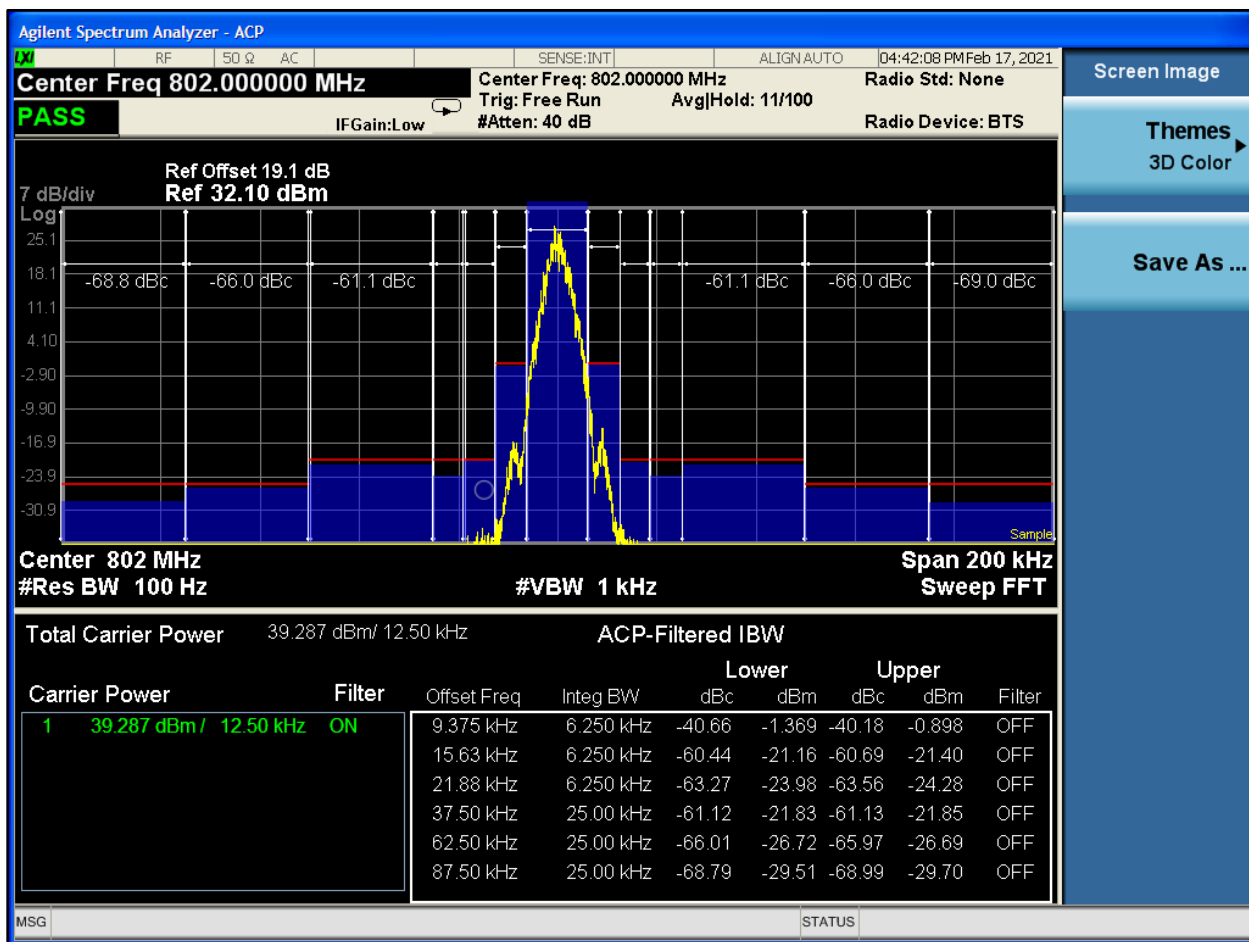
**Plot 6-61: Adjacent Channel Power - 799.0125 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (9.375 kHz – 87.5 kHz)**





| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -88.1         |
| 12 MHz to receive band             | 30(s)                | -75           | -99.5         |
| In receive band                    | 30(s)                | -100          | -106.5        |

**Plot 6-63: Adjacent Channel Power - 802.0000 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (9.375 kHz – 87.5 kHz)**



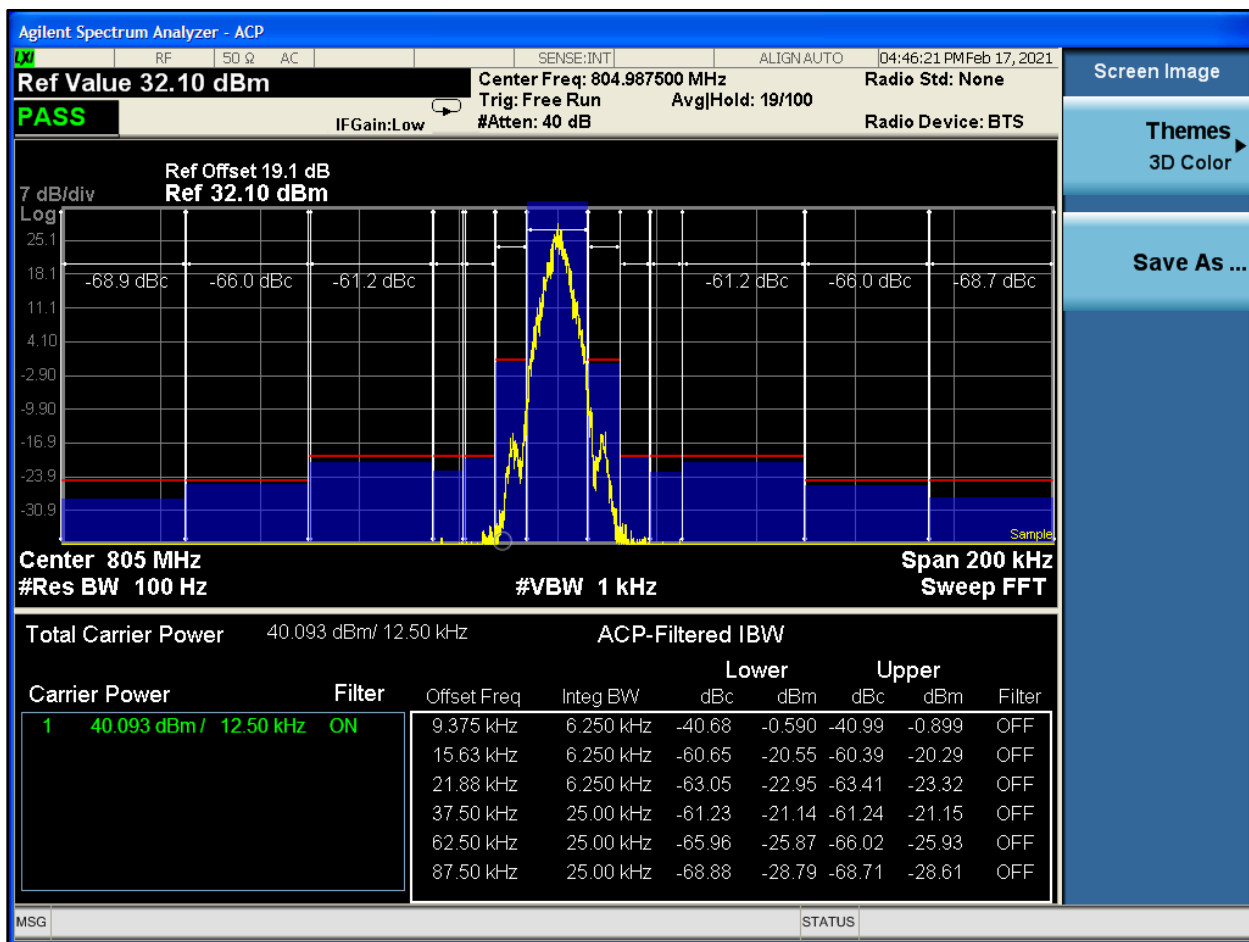
**Plot 6-64: Adjacent Channel Power - 802.0000 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (150 kHz – 350 kHz)**



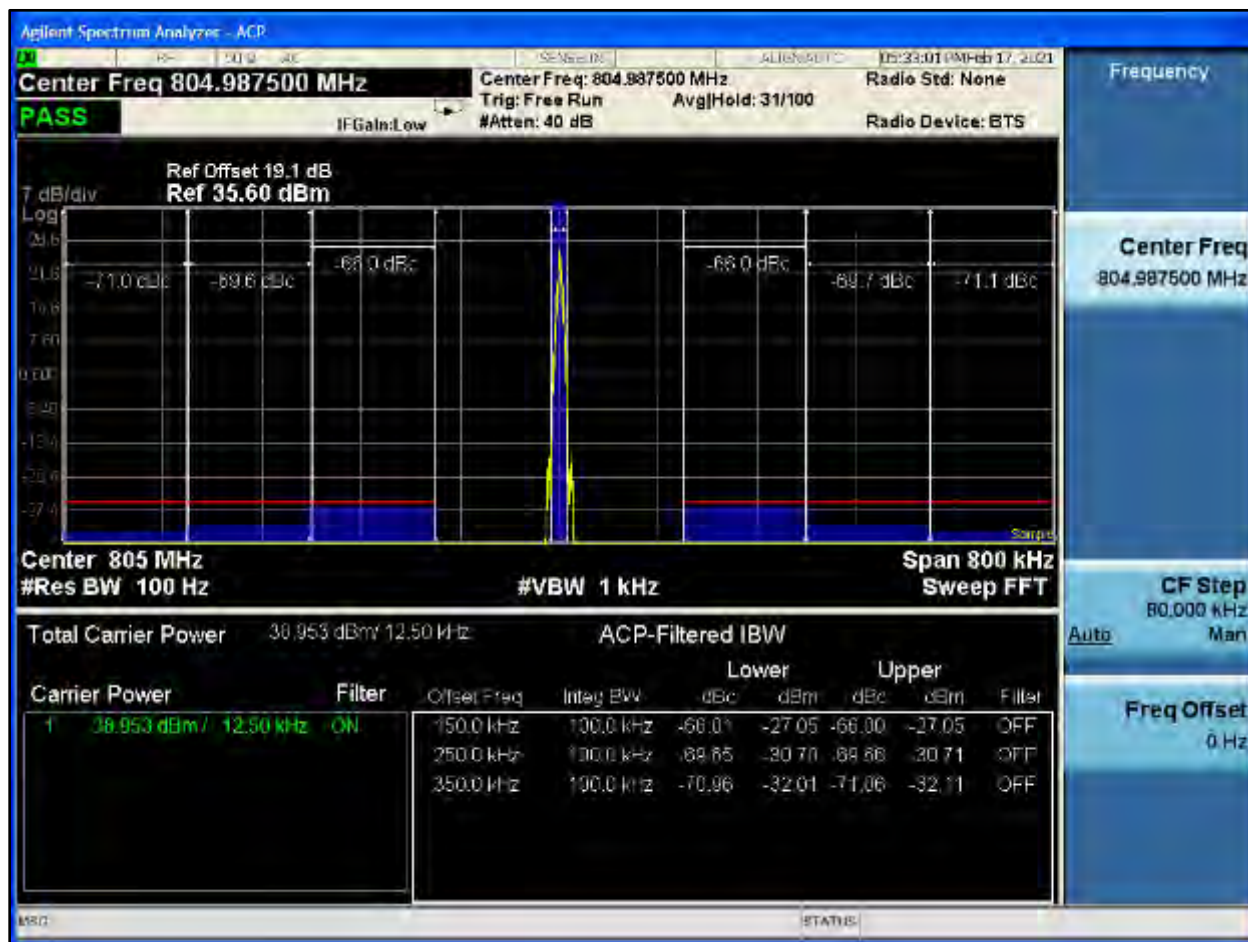
**Table 6-58: Adjacent Channel Power - 802.0000 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.0         |
| 12 MHz to receive band             | 30(s)                | -75           | -98.1         |
| In receive band                    | 30(s)                | -100          | -109.7        |

**Plot 6-65: Adjacent Channel Power – 804.9875 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (9.375 kHz – 87.5 kHz)**



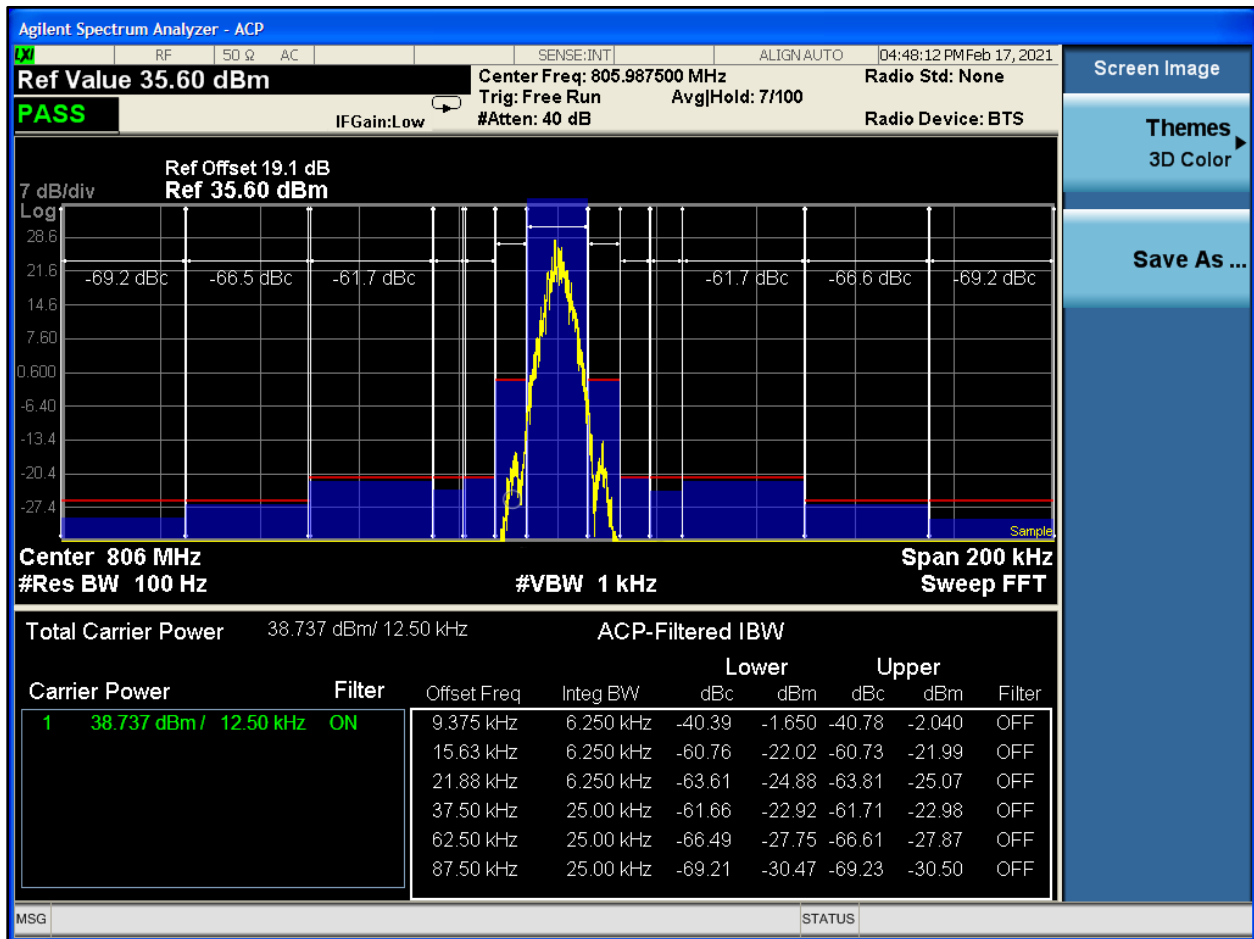
**Plot 6-66: Adjacent Channel Power – 804.9875 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (150 kHz – 350 kHz)**



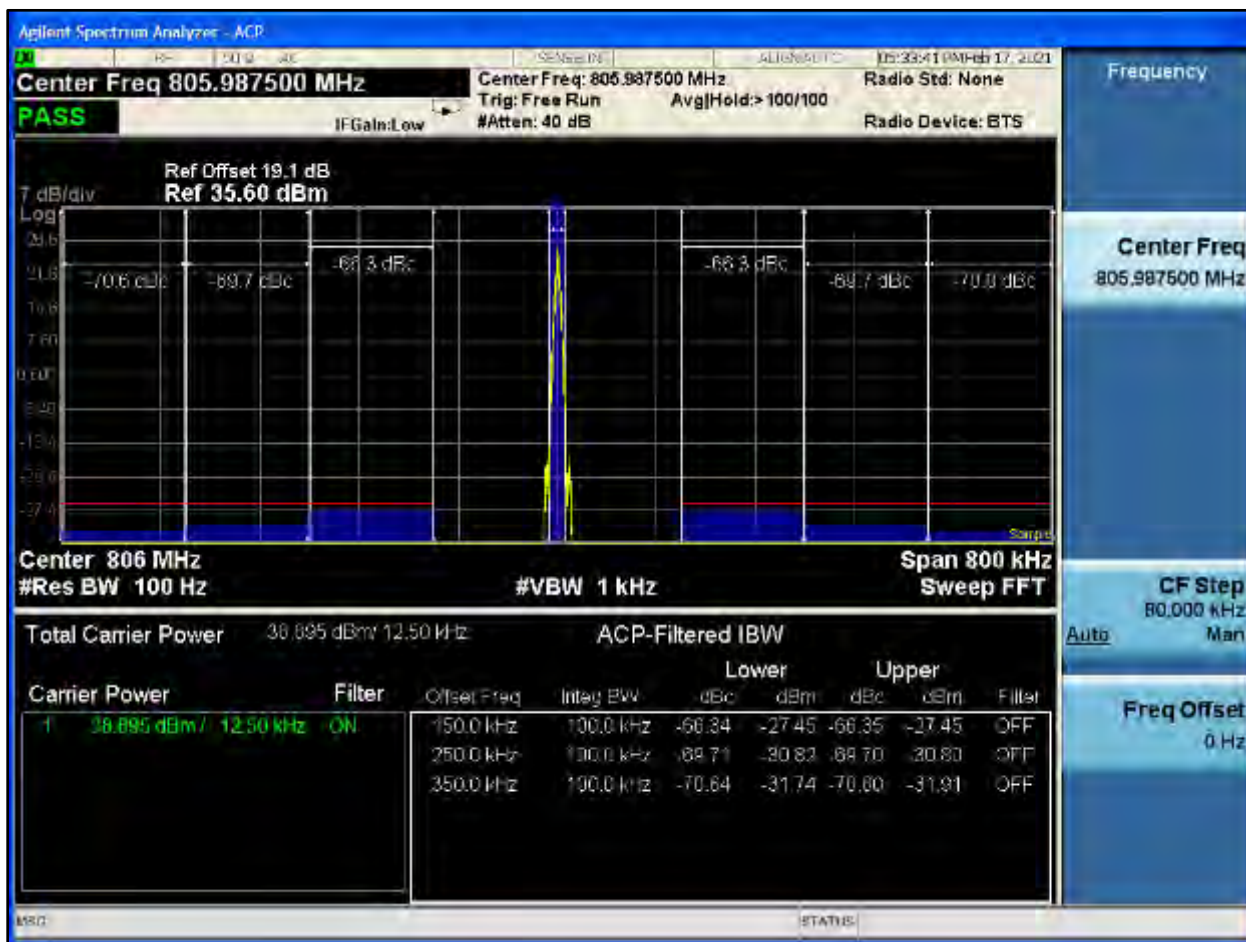
**Table 6-59: Adjacent Channel Power – 804.9875 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.3         |
| 12 MHz to receive band             | 30(s)                | -75           | -97.1         |
| In receive band                    | 30(s)                | -100          | -110.8        |

**Plot 6-67: Adjacent Channel Power – 805.9875 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (9.375 kHz – 87.5 kHz)**



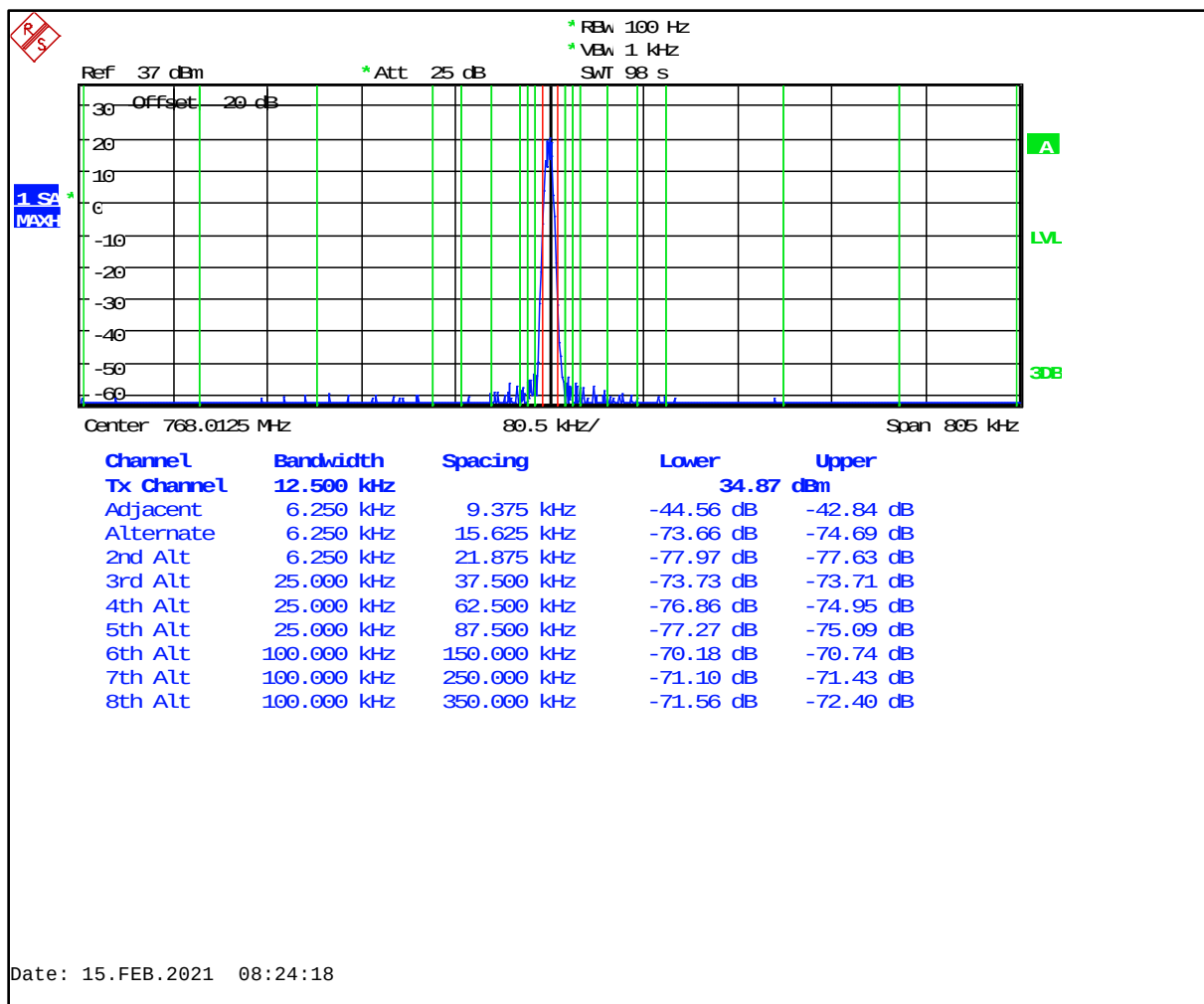
**Plot 6-68: Adjacent Channel Power – 805.9875 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing (150 kHz – 350 kHz)**



**Table 6-60: Adjacent Channel Power – 805.9875 MHz; 2-level FSK 9600; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.1         |
| 12 MHz to receive band             | 30(s)                | -75           | -96.6         |
| In receive band                    | 30(s)                | -100          | -113.4        |

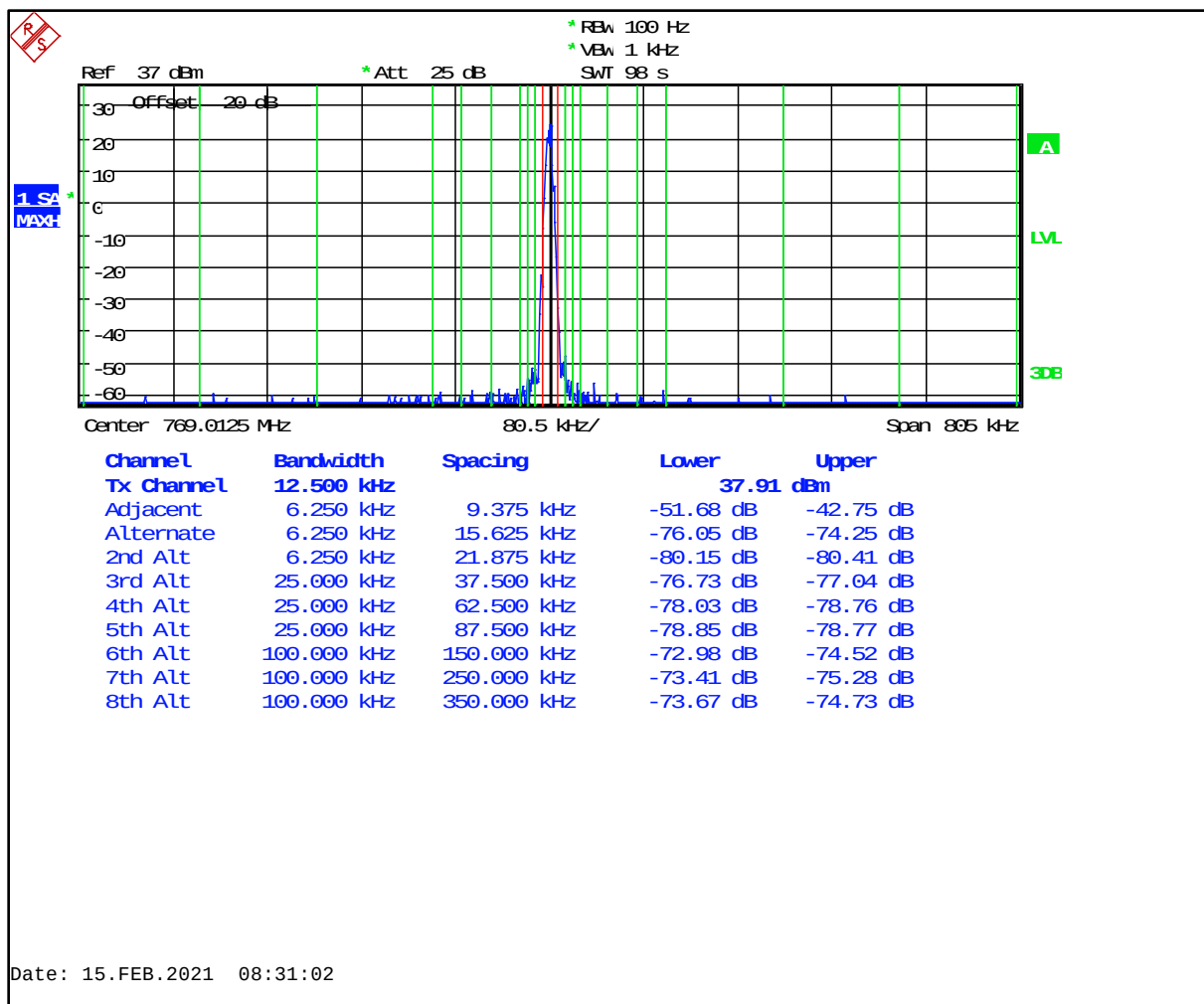
**Plot 6-69: Adjacent Channel Power - 768.0125 MHz; C4FM; 12.5 kHz Channel Spacing**



**Table 6-61: Adjacent Channel Power - 768.0125 MHz; C4FM; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -75.6         |
| 12 MHz to receive band             | 30(s)                | -75           | -98.8         |
| In receive band                    | 30(s)                | -100          | -118.3        |

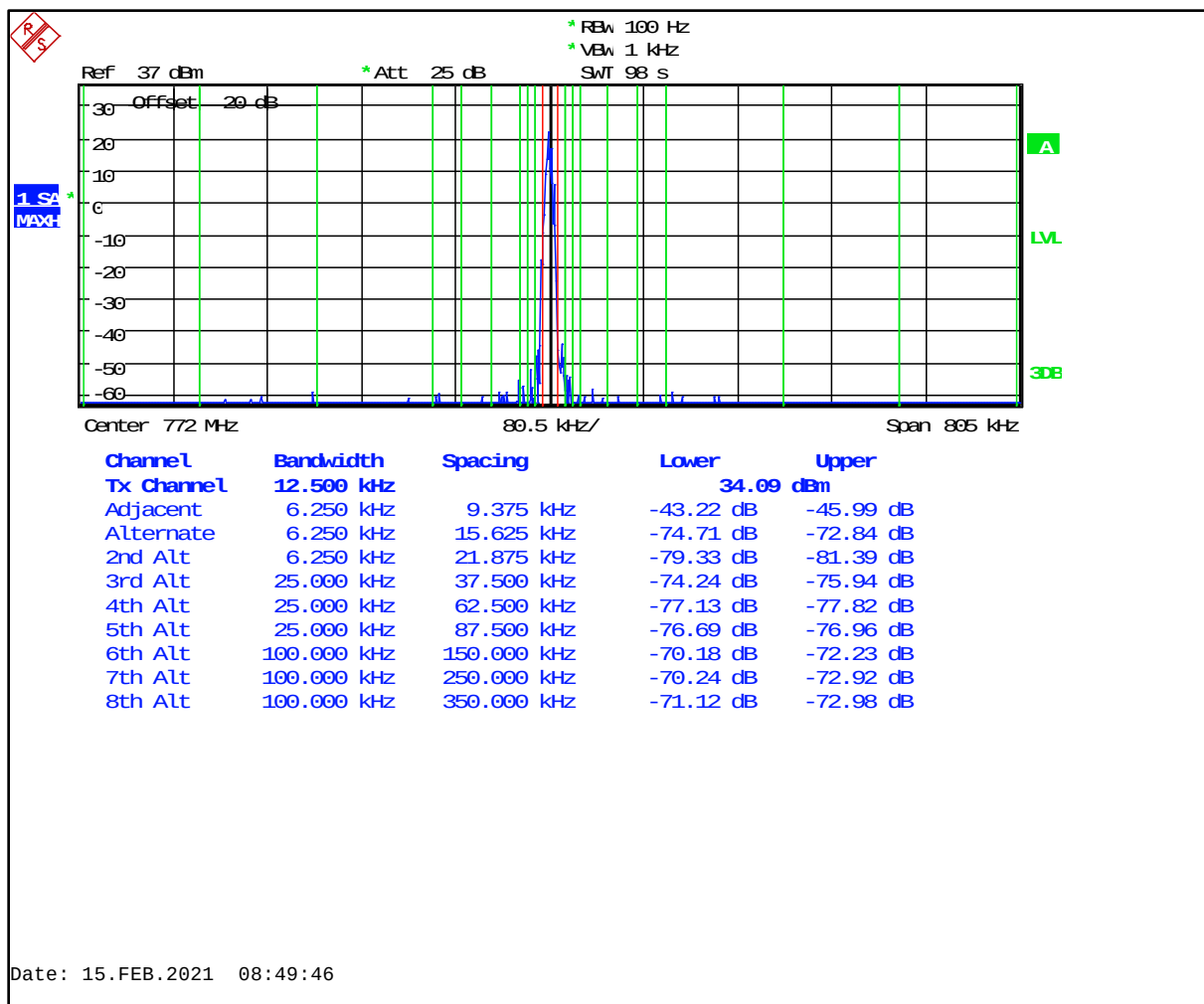
**Plot 6-70: Adjacent Channel Power - 769.0125 MHz; C4FM; 12.5 kHz Channel Spacing**



**Table 6-62: Adjacent Channel Power - 769.0125 MHz; C4FM; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -85.6         |
| 12 MHz to receive band             | 30(s)                | -75           | -103.9        |
| In receive band                    | 30(s)                | -100          | -118.3        |

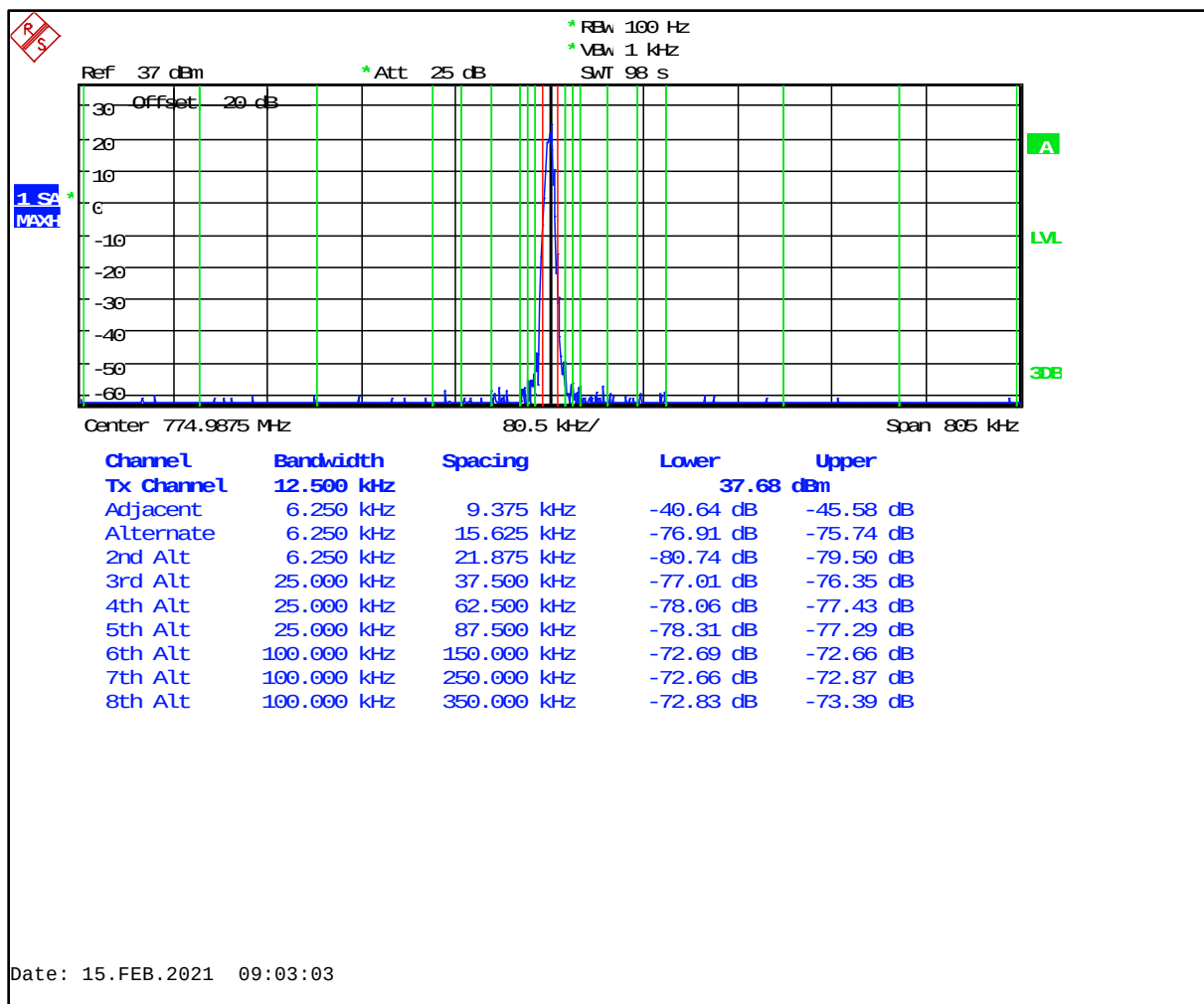
**Plot 6-71: Adjacent Channel Power - 772.0000 MHz; C4FM; 12.5 kHz Channel Spacing**



**Table 6-63: Adjacent Channel Power - 772.0000 MHz; C4FM; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.6         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.9        |
| In receive band                    | 30(s)                | -100          | -117.4        |

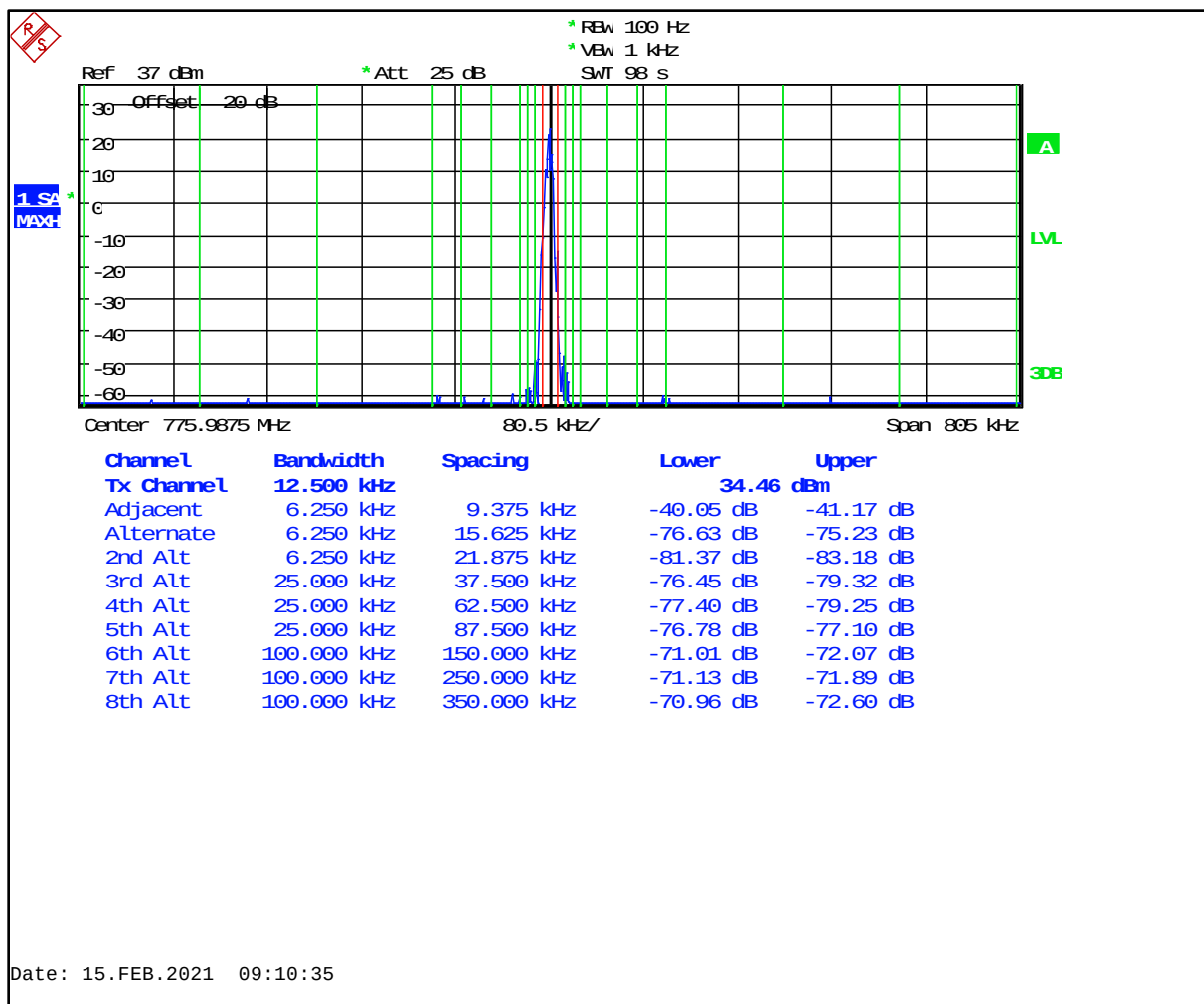
**Plot 6-72: Adjacent Channel Power - 774.9875 MHz; C4FM; 12.5 kHz Channel Spacing**



**Table 6-64: Adjacent Channel Power - 774.9875 MHz; C4FM; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.8        |
| In receive band                    | 30(s)                | -100          | -116.4        |

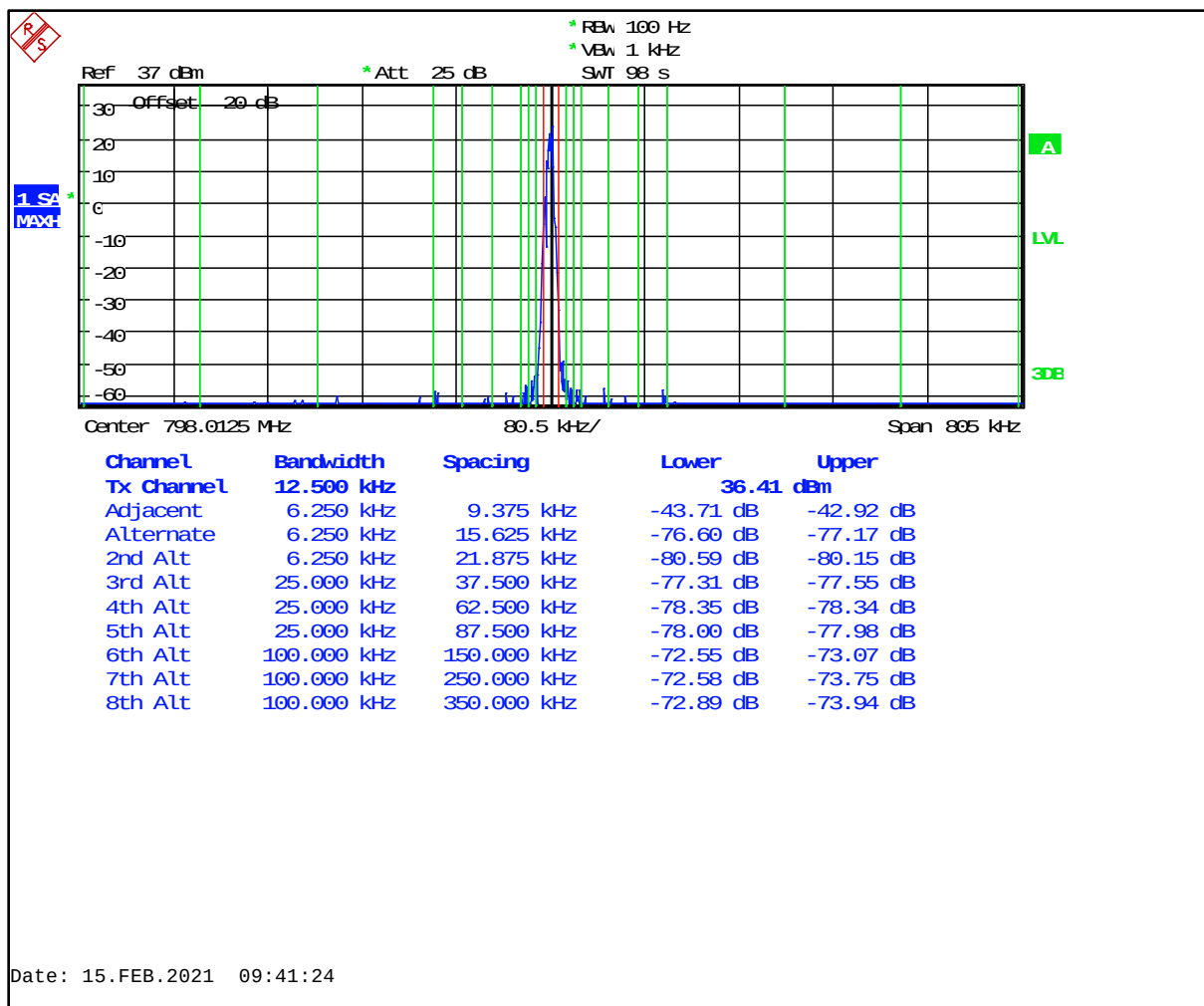
**Plot 6-73: Adjacent Channel Power - 775.9875 MHz; C4FM; 12.5 kHz Channel Spacing**



**Table 6-65: Adjacent Channel Power - 775.9875 MHz; C4FM; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -106.1        |
| In receive band                    | 30(s)                | -100          | -116.9        |

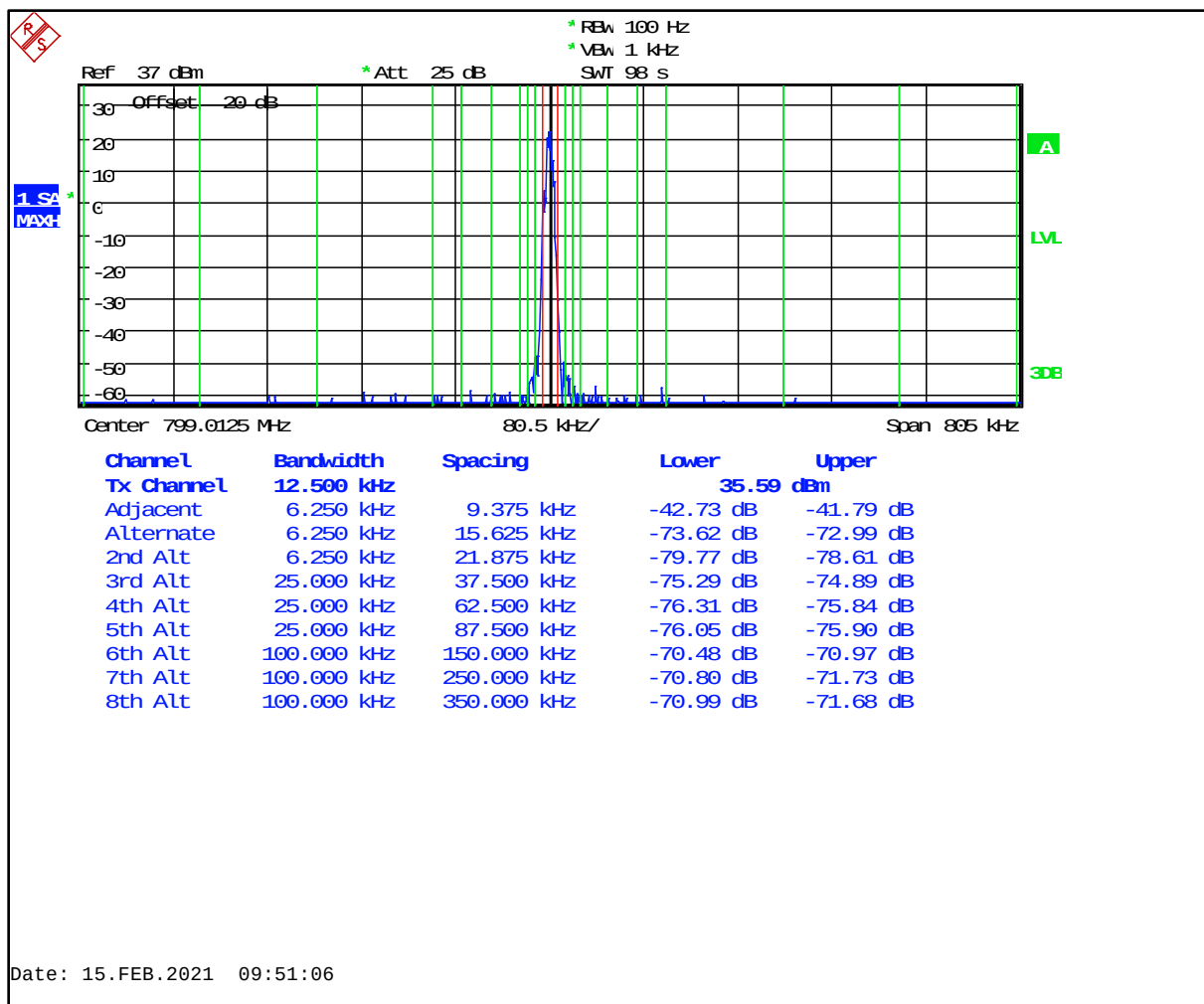
**Plot 6-74: Adjacent Channel Power - 798.0125 MHz; C4FM; 12.5 kHz Channel Spacing**



**Table 6-66: Adjacent Channel Power - 798.0125 MHz; C4FM; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.0         |
| 12 MHz to receive band             | 30(s)                | -75           | -75.4         |
| In receive band                    | 30(s)                | -100          | -103.6        |

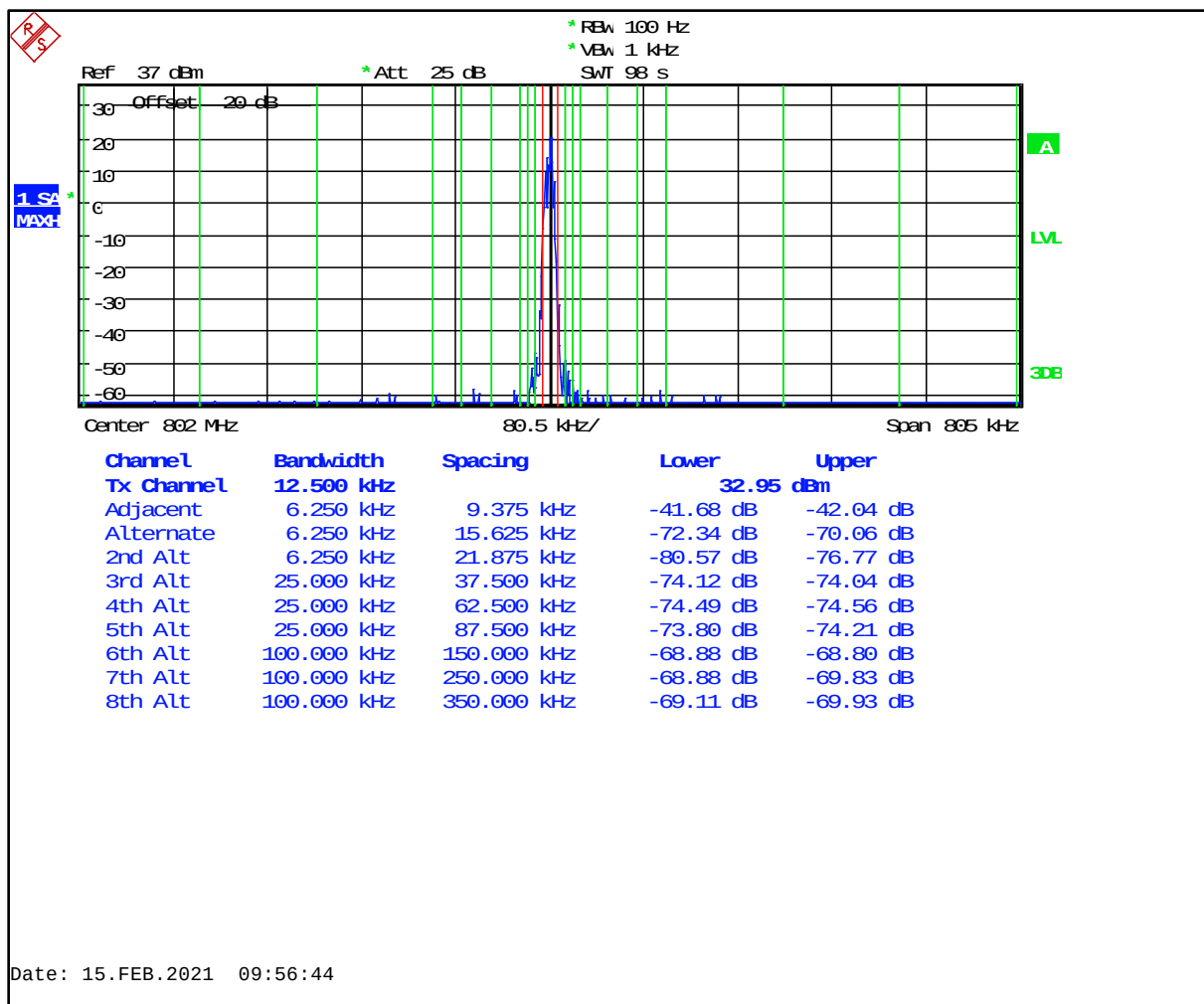
**Plot 6-75: Adjacent Channel Power - 799.0125 MHz; C4FM; 12.5 kHz Channel Spacing**



**Table 6-67: Adjacent Channel Power - 799.0125 MHz; C4FM; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.2         |
| 12 MHz to receive band             | 30(s)                | -75           | -100.5        |
| In receive band                    | 30(s)                | -100          | -105.6        |

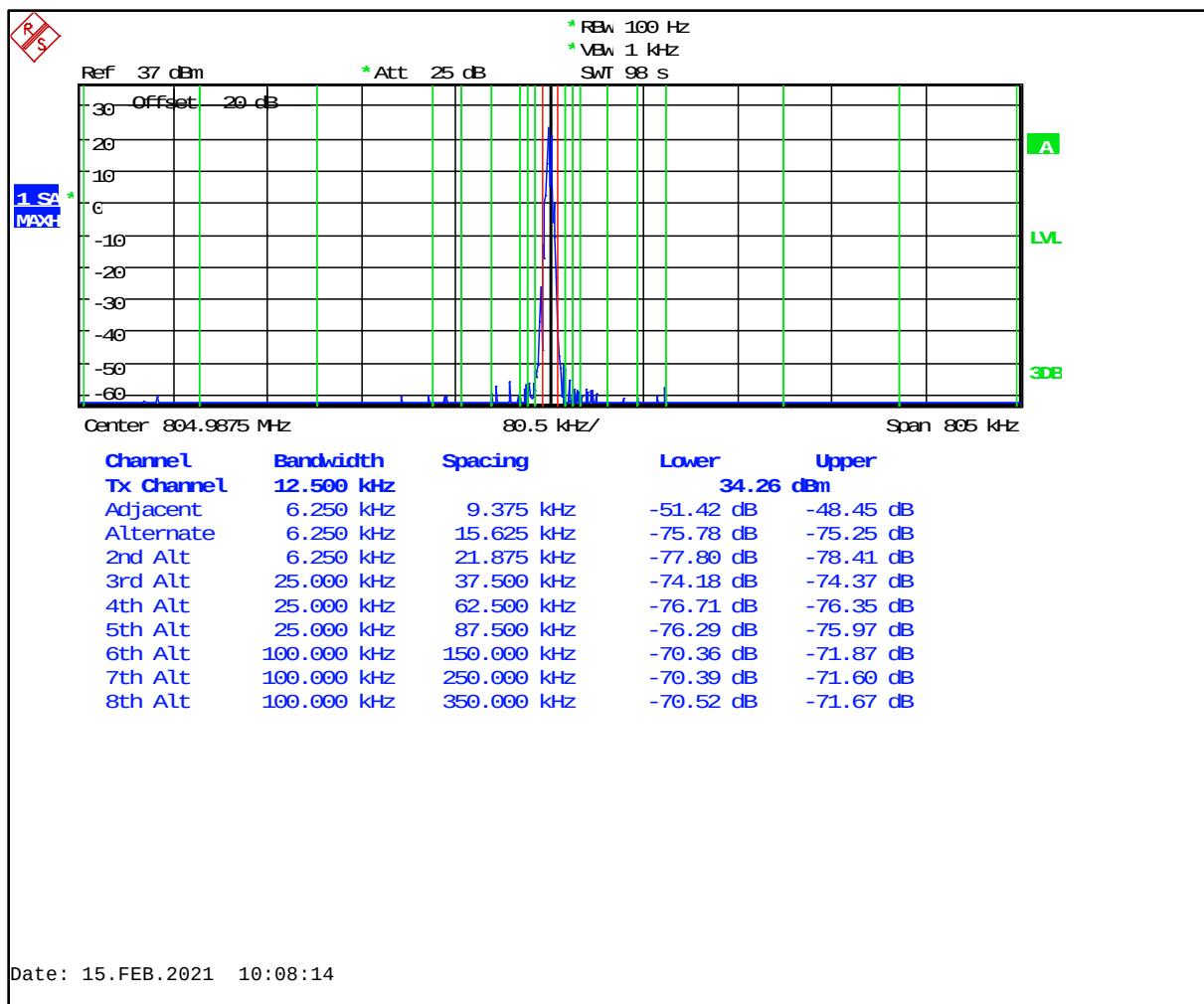
**Plot 6-76: Adjacent Channel Power - 802.0000 MHz; C4FM; 12.5 kHz Channel Spacing**



**Table 6-68: Adjacent Channel Power - 802.0000 MHz; C4FM; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.4         |
| 12 MHz to receive band             | 30(s)                | -75           | -98.0         |
| In receive band                    | 30(s)                | -100          | -110.0        |

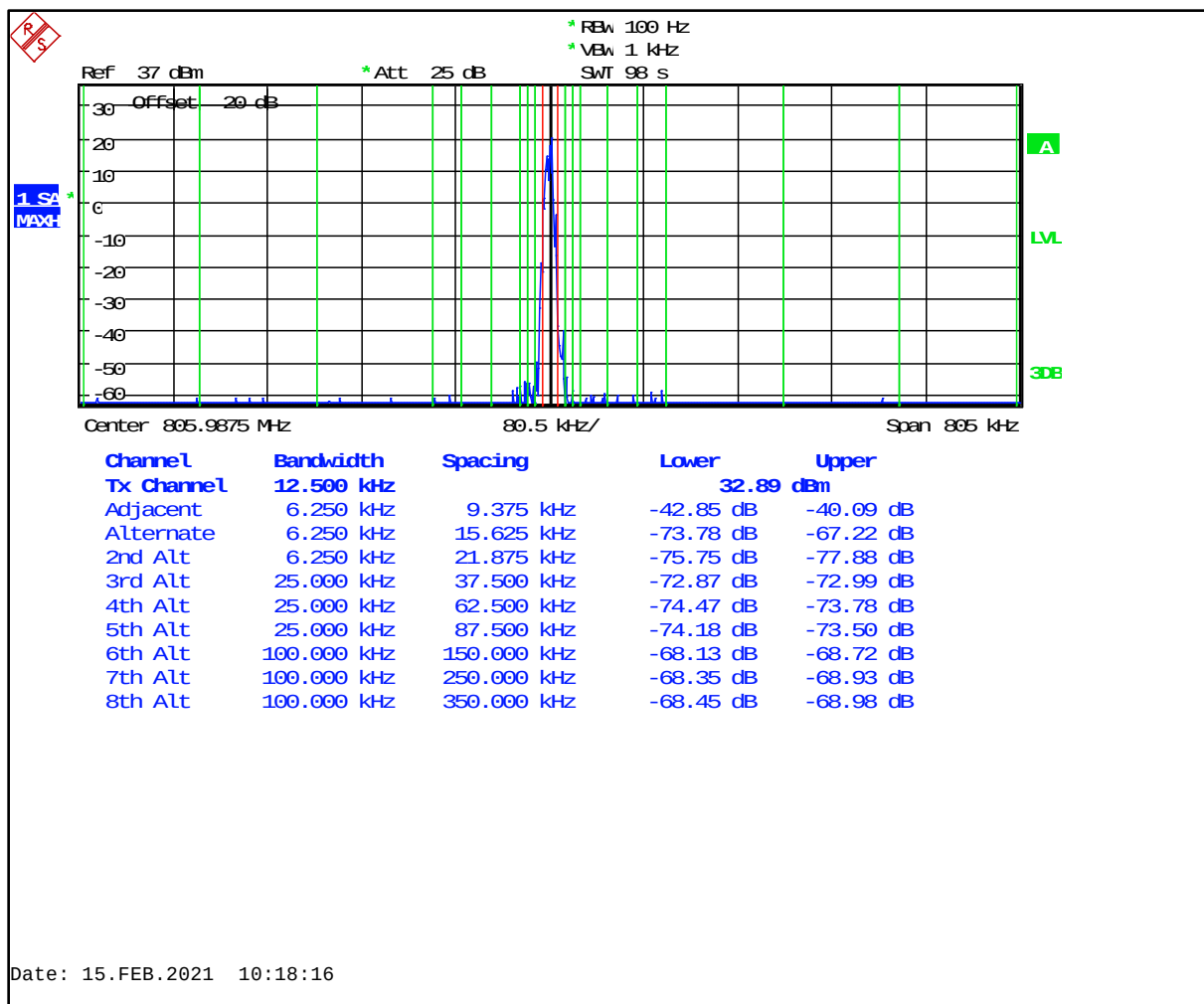
**Plot 6-77: Adjacent Channel Power – 804.9875 MHz; C4FM; 12.5 kHz Channel Spacing**



**Table 6-69: Adjacent Channel Power – 804.9875 MHz; C4FM; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.1         |
| 12 MHz to receive band             | 30(s)                | -75           | -97.2         |
| In receive band                    | 30(s)                | -100          | -110.7        |

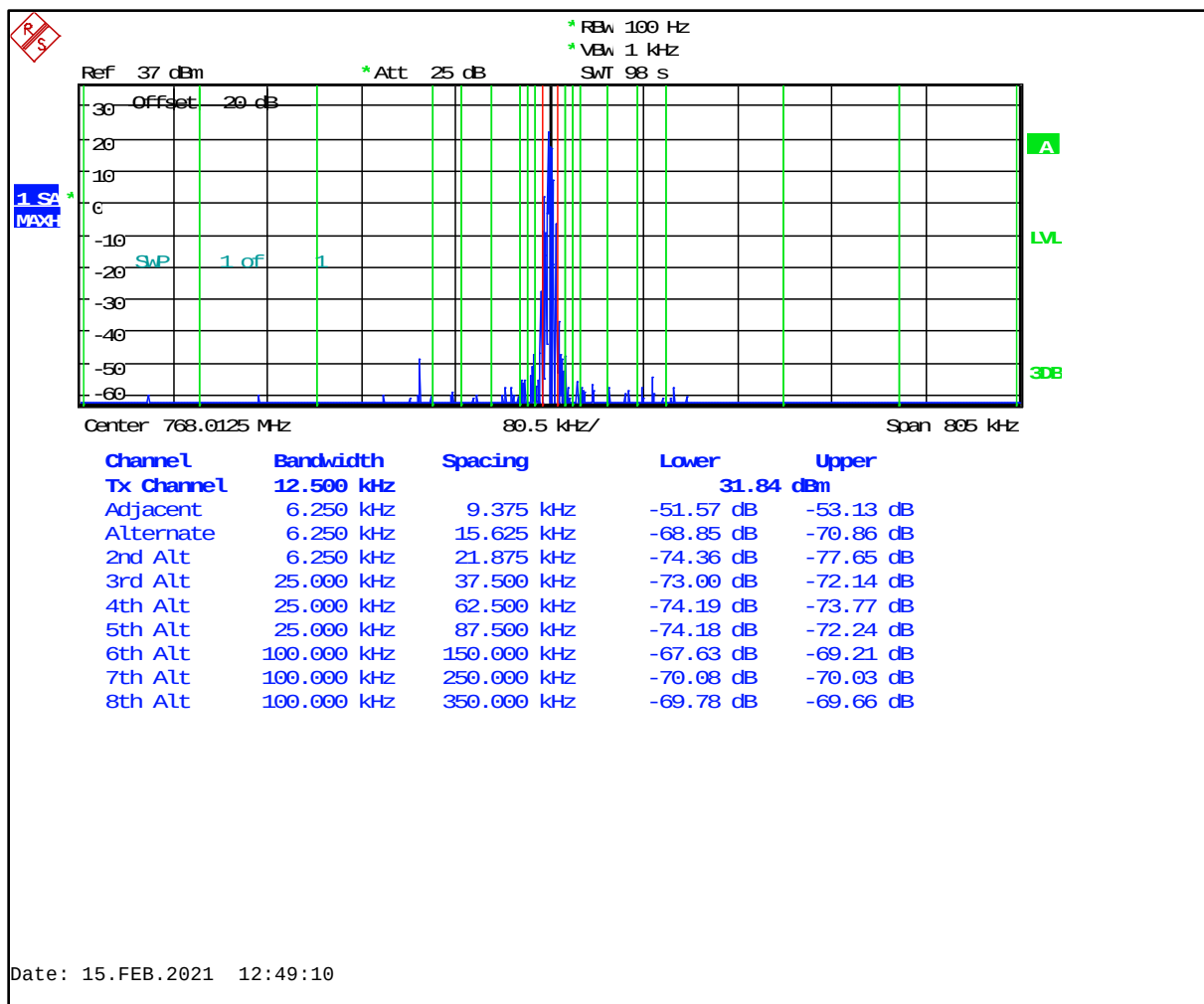
**Plot 6-78: Adjacent Channel Power – 805.9875 MHz; C4FM; 12.5 kHz Channel Spacing**



**Table 6-70: Adjacent Channel Power – 805.9875 MHz; C4FM; 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.4         |
| 12 MHz to receive band             | 30(s)                | -75           | -96.9         |
| In receive band                    | 30(s)                | -100          | -114.1        |

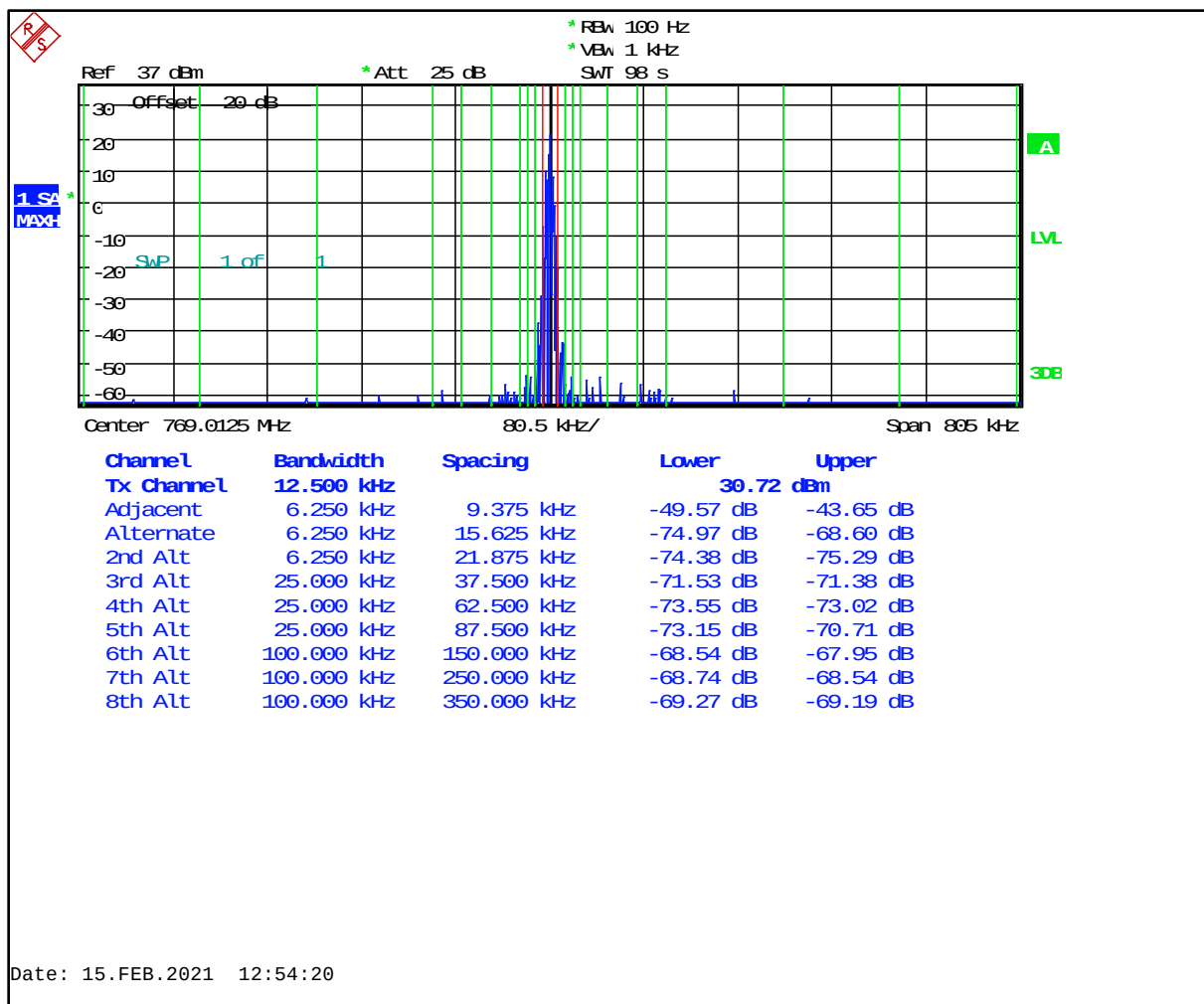
**Plot 6-79: Adjacent Channel Power - 768.0125 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**



**Table 6-71: Adjacent Channel Power - 768.0125 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -75.5         |
| 12 MHz to receive band             | 30(s)                | -75           | -98.4         |
| In receive band                    | 30(s)                | -100          | -118.2        |

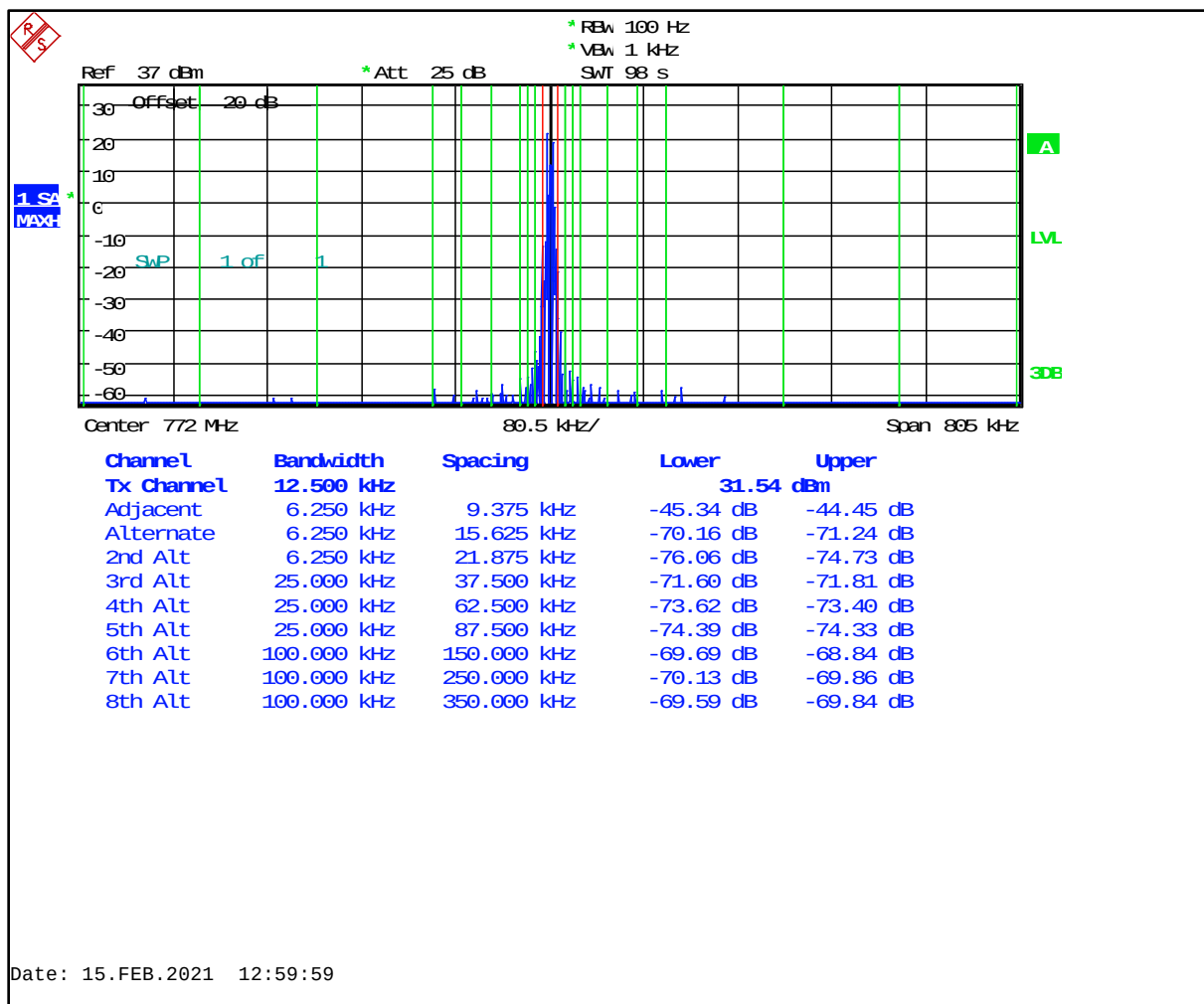
**Plot 6-80: Adjacent Channel Power - 769.0125 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**



**Table 6-72: Adjacent Channel Power - 769.0125 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -85.6         |
| 12 MHz to receive band             | 30(s)                | -75           | -105.1        |
| In receive band                    | 30(s)                | -100          | -118.4        |

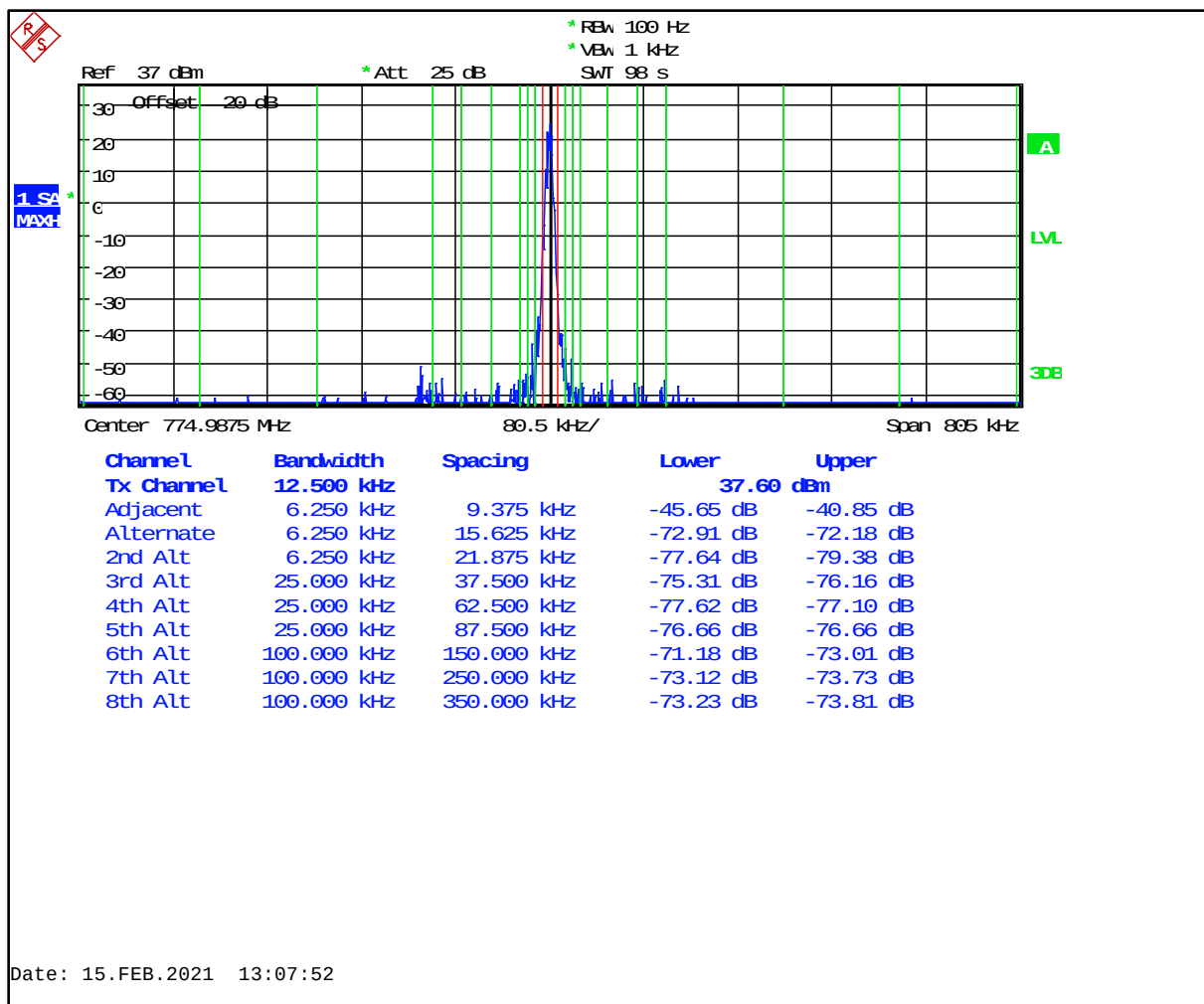
**Plot 6-81: Adjacent Channel Power - 772.0000 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**



**Table 6-73: Adjacent Channel Power - 772.0000 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.8         |
| 12 MHz to receive band             | 30(s)                | -75           | -103.3        |
| In receive band                    | 30(s)                | -100          | -117.1        |

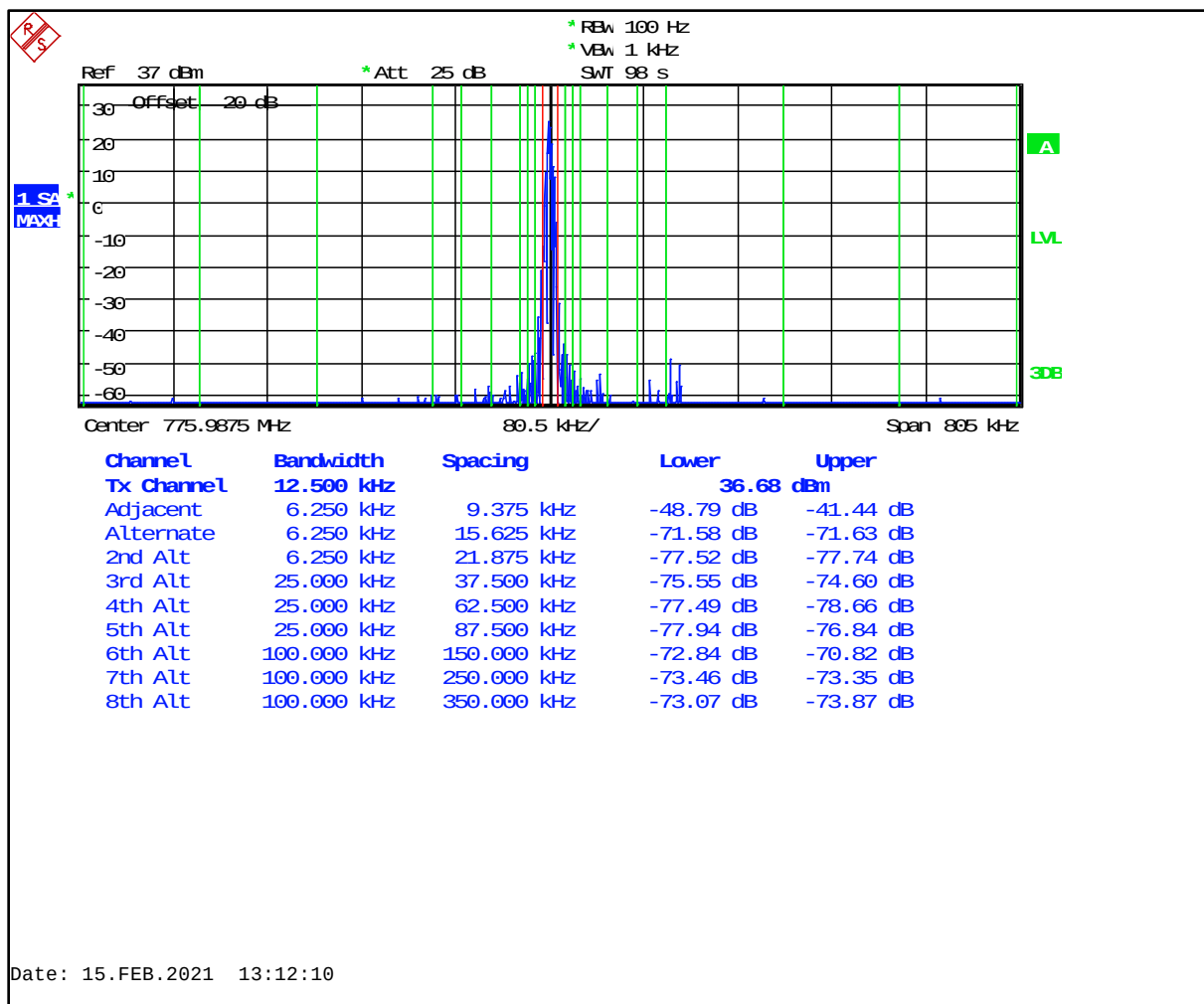
**Plot 6-82: Adjacent Channel Power - 774.9875 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**



**Table 6-74: Adjacent Channel Power - 774.9875 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -85.3         |
| 12 MHz to receive band             | 30(s)                | -75           | -103.2        |
| In receive band                    | 30(s)                | -100          | -117.0        |

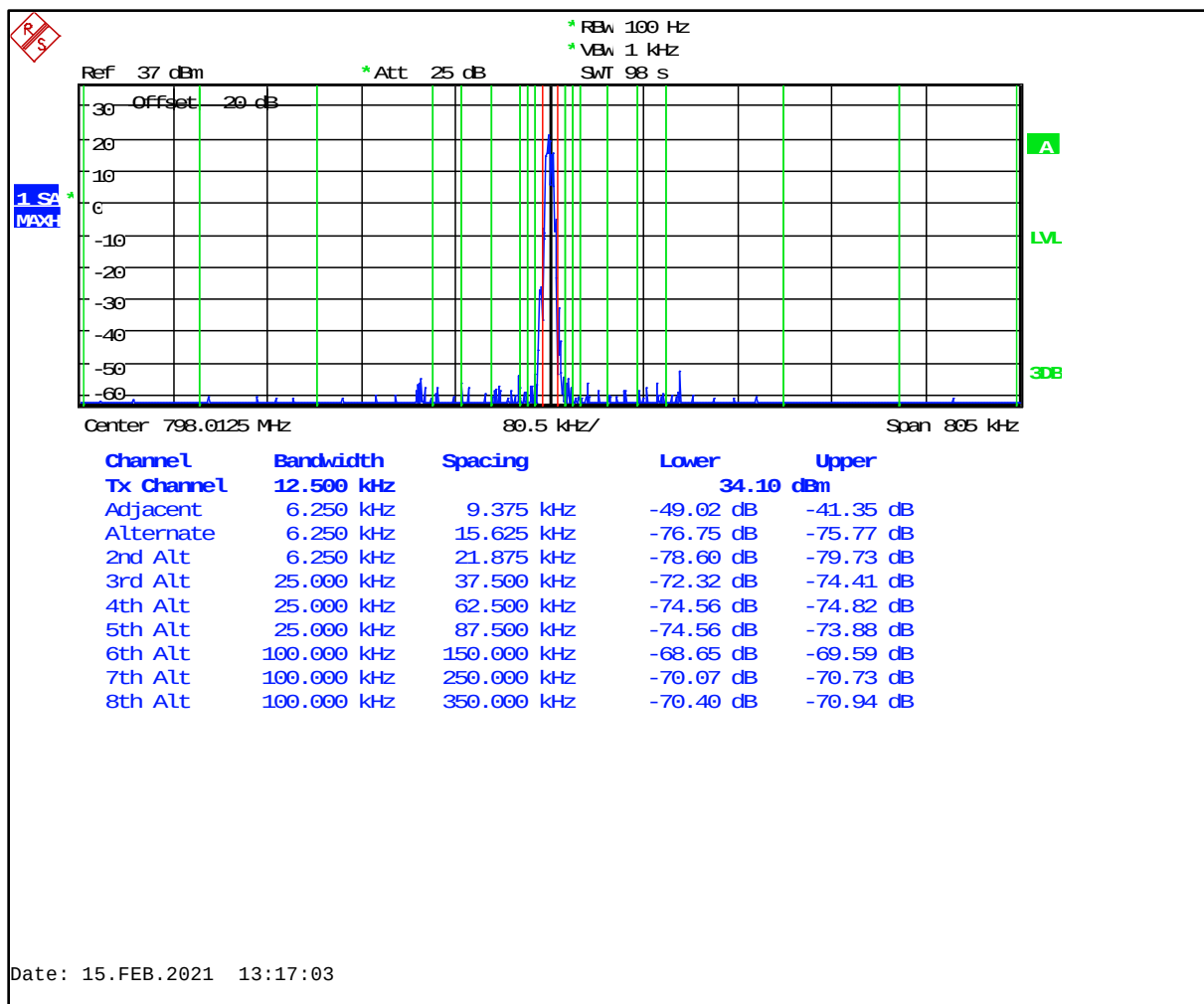
**Plot 6-83: Adjacent Channel Power - 775.9875 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**



**Table 6-75: Adjacent Channel Power - 775.9875 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -84.3         |
| 12 MHz to receive band             | 30(s)                | -75           | -102.1        |
| In receive band                    | 30(s)                | -100          | -117.2        |

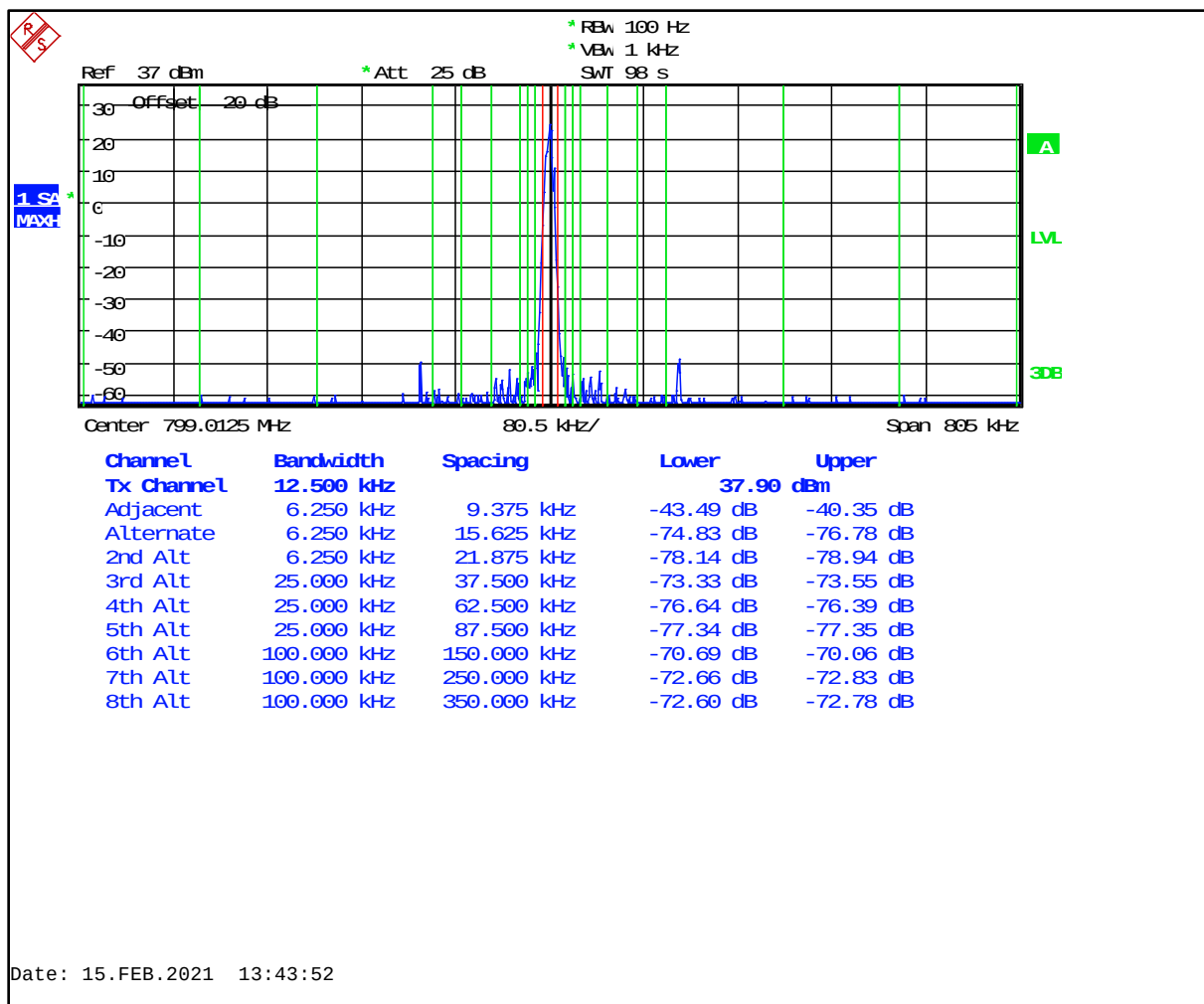
**Plot 6-84: Adjacent Channel Power - 798.0125 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**



**Table 6-76: Adjacent Channel Power - 798.0125 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.0         |
| 12 MHz to receive band             | 30(s)                | -75           | -79.2         |
| In receive band                    | 30(s)                | -100          | -103.9        |

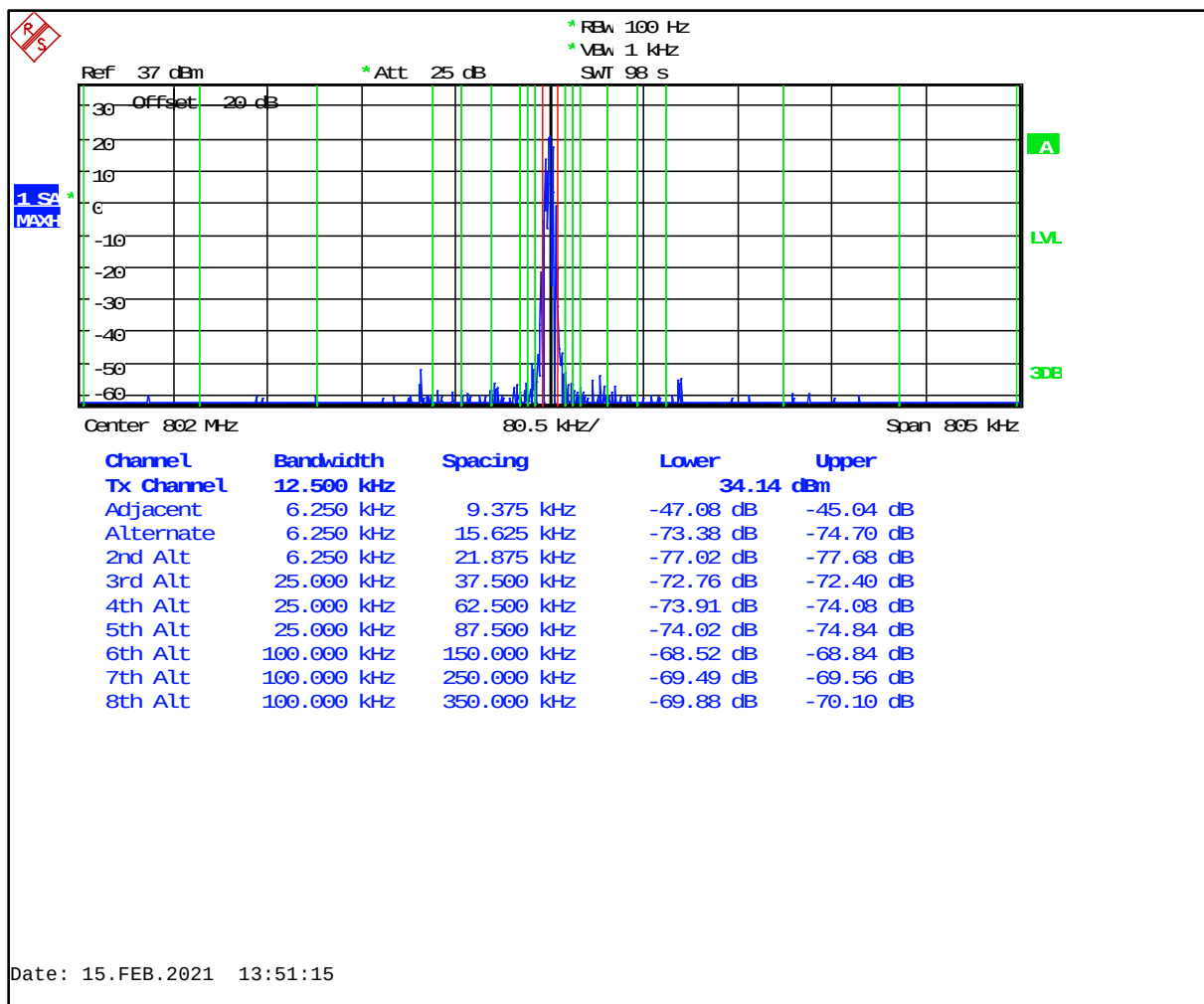
**Plot 6-85: Adjacent Channel Power - 799.0125 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**



**Table 6-77: Adjacent Channel Power - 799.0125 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.7         |
| 12 MHz to receive band             | 30(s)                | -75           | -100.5        |
| In receive band                    | 30(s)                | -100          | -105.6        |

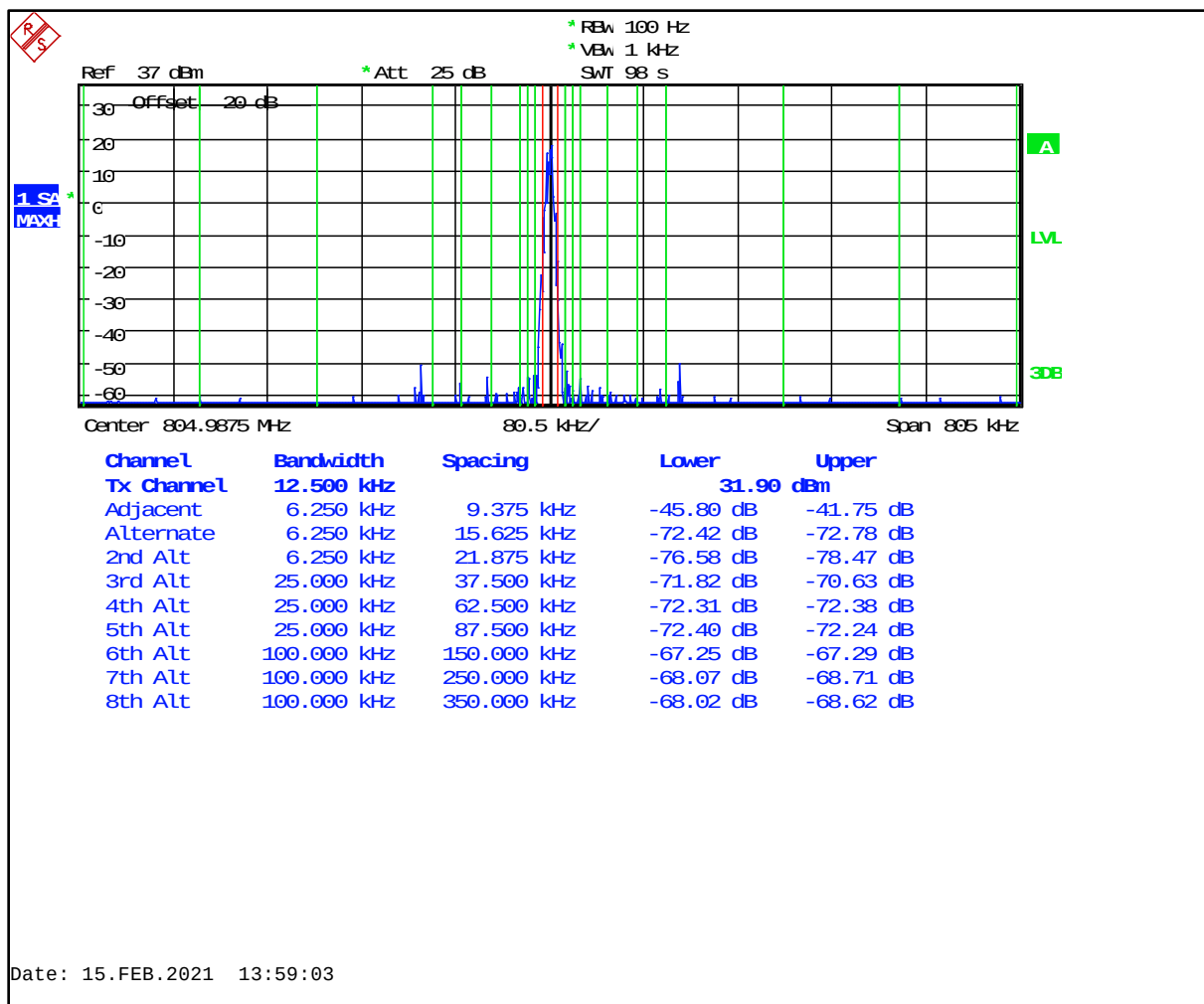
**Plot 6-86: Adjacent Channel Power - 802.0000 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**



**Table 6-78: Adjacent Channel Power - 802.0000 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -88.0         |
| 12 MHz to receive band             | 30(s)                | -75           | -98.3         |
| In receive band                    | 30(s)                | -100          | -109.8        |

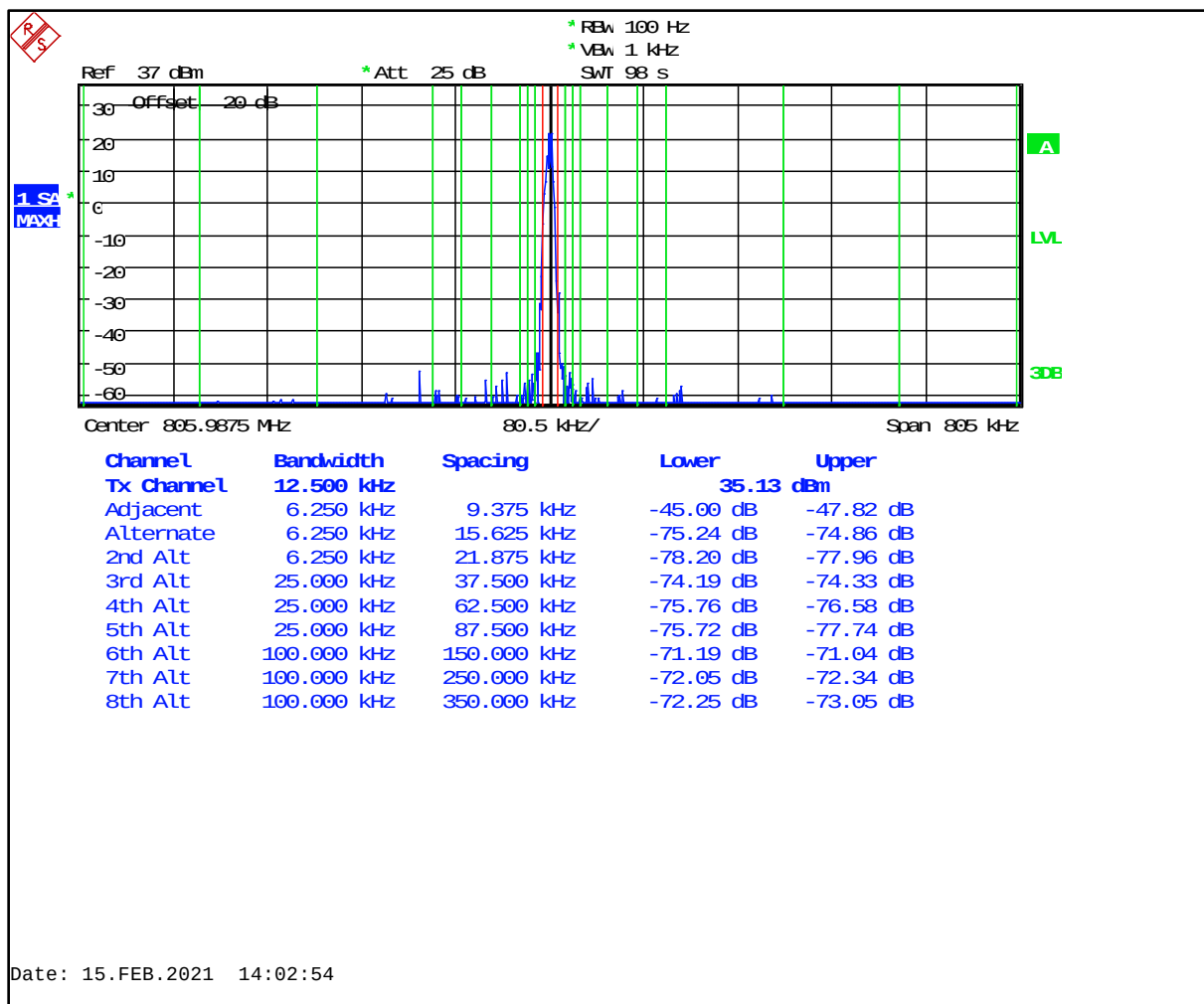
**Plot 6-87: Adjacent Channel Power – 804.9875 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**



**Table 6-79: Adjacent Channel Power – 804.9875 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -86.9         |
| 12 MHz to receive band             | 30(s)                | -75           | -97.2         |
| In receive band                    | 30(s)                | -100          | -110.9        |

**Plot 6-88: Adjacent Channel Power – 805.9875 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**



**Table 6-80: Adjacent Channel Power – 805.9875 MHz; H-CPM (TDMA); 12.5 kHz Channel Spacing**

| Offset from Center Frequency (kHz) | Measurement BW (kHz) | Max ACP (dBc) | Max ACP (dBc) |
|------------------------------------|----------------------|---------------|---------------|
| >400 to 12 MHz                     | 30(s)                | -75           | -87.5         |
| 12 MHz to receive band             | 30(s)                | -75           | -96.6         |
| In receive band                    | 30(s)                | -100          | -114.2        |

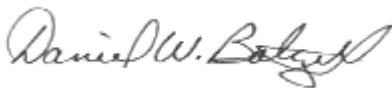
Measurement uncertainties shown for these tests are expanded uncertainties expressed at the 95% confidence level using a coverage factor K=2. Measurement uncertainty:  $\pm 0.5$  Hz/ $\pm 0.5$  dB

**Results: Pass**

**Table 6-81: Test Equipment Used For Testing ACP Requirements**

| RTL Asset # | Manufacturer        | Model    | Part Type               | Serial Number | Calibration Due Date |
|-------------|---------------------|----------|-------------------------|---------------|----------------------|
| 901581      | Rohde & Schwarz     | FSU      | Spectrum Analyzer       | 1166.1660.50  | 04/26/21             |
| 901139      | Weinschel Corp      | 48-20-34 | 20 dB Attenuator; 100 W | BK5859        | 05/04/21             |
| 901724      | API Weinschel, Inc. | 48-40-34 | 40 dB 100W Attenuator   | CJ8921        | 09/15/21             |

**Test Personnel:**

|                                                                                                                               |           |                                        |
|-------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------|
| <br>Daniel W. Baltzell<br>EMC Test Engineer | Signature | February 12-22, 2021<br>Dates of Tests |
|-------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------|

**7 FCC §2.1053(a): Field Strength of Spurious Radiation; §22.359: Emission Limitations; §80.211: Emission Limitations; §90.543(f)(3): Emission Limitations; ISED RSS-119 5.8.9.2: Out-of-band Emission Limit**

**7.1 Test Procedure**

**FCC 90.543(f) - ANSI C63.26-2015 section 6.5.2.7.4**

For emissions in the 1559-1610 band, Part 90.543(f) states: "For operations in the 763–775 MHz and 793–805 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

The GNSS data below is representative of the data which was not attenuated more than 20 dB below the worst case limits (narrowband); per FCC 2.1057(c), all other data need not be reported. It is narrowband data compared to wideband limits.

Analog Modulation: The transmitter is terminated with a 50  $\Omega$  load and is modulated with a 2,500 Hz sine wave at an input level 16 dB greater than that required to produce 50% of the rated system deviation at 1,000 Hz.

Device with digital modulation: Modulated to its maximum extent using a pseudo-random data sequence – 19,200 bps for OTP and 9,600 bps for P25.

**FCC 2.1053 - ANSI C63.26-2015 section 5.5.3**

Additionally, radiated emissions were investigated with the licensed and unlicensed (DSS, DTS, NII) transmitters transmitting simultaneously. No non-compliances were found.

## 7.2 Test Data

### 7.2.1 §90.543(f) Requirements

Limit: -70 dBW EIRP Broadband >700 Hz; No Narrowband emissions found.

**Table 7-1: GNSS Band Spurious Radiation – NB Analog**

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Signal Generator Level (dBm) | Cable Loss 3(dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBW) | Margin (dB) |
|-----------------|-------------------------------|------------------------------|------------------|--------------------|----------------------------------------|-------------|
| 1596.025        | -82.9                         | -57.4                        | 1.1              | 1.5                | -87.0                                  | -17.0       |
| 1598.025        | -83.9                         | -63.8                        | 1.1              | 1.5                | -93.4                                  | -23.4       |
| 1604.025        | -79.4                         | -60.6                        | 1.1              | 1.5                | -90.2                                  | -20.2       |
| 1609.975        | -86.3                         | -63.9                        | 1.1              | 1.5                | -93.5                                  | -23.5       |

**Table 7-2: GNSS Band Spurious Radiation – WB Analog**

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Signal Generator Level (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBW) | Margin (dB) |
|-----------------|-------------------------------|------------------------------|-----------------|--------------------|----------------------------------------|-------------|
| 1596.025        | -88.8                         | -68.6                        | 1.1             | 1.5                | -98.2                                  | -28.2       |
| 1598.025        | -87.9                         | -67.8                        | 1.1             | 1.5                | -97.4                                  | -27.4       |
| 1604.025        | -91.3                         | -72.5                        | 1.1             | 1.5                | -102.1                                 | -32.1       |
| 1609.975        | -88.8                         | -66.4                        | 1.1             | 1.5                | -96.0                                  | -26.0       |

**Table 7-3: GNSS Band Spurious Radiation – NPSPAC Analog**

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Signal Generator Level (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBW) | Margin (dB) |
|-----------------|-------------------------------|------------------------------|-----------------|--------------------|----------------------------------------|-------------|
| 1596.025        | -88.9                         | -68.7                        | 1.1             | 1.5                | -98.3                                  | -28.3       |
| 1598.025        | -86.6                         | -66.5                        | 1.1             | 1.5                | -96.1                                  | -26.1       |
| 1604.025        | -93.7                         | -72.2                        | 1.1             | 1.5                | -101.8                                 | -31.8       |
| 1609.975        | -81.5                         | -59.1                        | 1.1             | 1.5                | -88.7                                  | -18.7       |

**Table 7-4: GNSS Band Spurious Radiation – C4FM**

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Signal Generator Level (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBW) | Margin (dB) |
|-----------------|-------------------------------|------------------------------|-----------------|--------------------|----------------------------------------|-------------|
| 1596.025        | -77.7                         | -57.8                        | 1.1             | 1.5                | -87.4                                  | -17.4       |
| 1598.025        | -78.5                         | -56.9                        | 1.1             | 1.5                | -86.5                                  | -16.5       |
| 1604.025        | -76.0                         | -55.8                        | 1.1             | 1.5                | -85.4                                  | -15.4       |
| 1609.975        | -80.4                         | -58.2                        | 1.1             | 1.5                | -87.8                                  | -17.8       |

**Table 7-5: GNSS Band Spurious Radiation – H-CPM TDMA**

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Signal Generator Level (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBW) | Margin (dB) |
|-----------------|-------------------------------|------------------------------|-----------------|--------------------|----------------------------------------|-------------|
| 1596.025        | -78.1                         | -57.9                        | 1.1             | 1.5                | -87.5                                  | -17.5       |
| 1598.025        | -79.1                         | -59.0                        | 1.1             | 1.5                | -88.6                                  | -18.6       |
| 1604.025        | -78.9                         | -60.1                        | 1.1             | 1.5                | -89.7                                  | -19.7       |
| 1609.975        | -79.0                         | -56.6                        | 1.1             | 1.5                | -86.2                                  | -16.2       |

**Table 7-6: GNSS Band Spurious Radiation - HVD**

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Signal Generator Level (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBW) | Margin (dB) |
|-----------------|-------------------------------|------------------------------|-----------------|--------------------|----------------------------------------|-------------|
| 1596.025        | -77.6                         | -57.3                        | 1.1             | 1.5                | -86.9                                  | -16.9       |
| 1598.025        | -78.8                         | -58.7                        | 1.1             | 1.5                | -88.3                                  | -18.3       |
| 1604.025        | -78.2                         | -59.4                        | 1.1             | 1.5                | -89.0                                  | -19.0       |
| 1609.975        | -84.5                         | -62.1                        | 1.1             | 1.5                | -91.7                                  | -21.7       |

**Table 7-7: GNSS Band Spurious Radiation – HVD NPSPAC**

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Signal Generator Level (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBW) | Margin (dB) |
|-----------------|-------------------------------|------------------------------|-----------------|--------------------|----------------------------------------|-------------|
| 1596.025        | -77.7                         | -57.4                        | 1.1             | 1.5                | -87.0                                  | -17.0       |
| 1598.025        | -78.9                         | -58.9                        | 1.1             | 1.5                | -88.5                                  | -18.5       |
| 1604.025        | -77.7                         | -58.8                        | 1.1             | 1.5                | -88.4                                  | -18.4       |
| 1609.975        | -78.9                         | -56.5                        | 1.1             | 1.5                | -86.1                                  | -16.1       |

**Table 7-8: GNSS Band Spurious Radiation - WB 2-level FSK**

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Signal Generator Level (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBW) | Margin (dB) |
|-----------------|-------------------------------|------------------------------|-----------------|--------------------|----------------------------------------|-------------|
| 1596.025        | -77.6                         | -57.3                        | 1.1             | 1.5                | -86.9                                  | -16.9       |
| 1598.025        | -78.6                         | -58.5                        | 1.1             | 1.5                | -88.1                                  | -18.1       |
| 1604.025        | -77.9                         | -59.1                        | 1.1             | 1.5                | -88.7                                  | -18.7       |
| 1609.975        | -79.9                         | -57.5                        | 1.1             | 1.5                | -87.1                                  | -17.1       |

**Table 7-9: GNSS Band Spurious Radiation - NB 2-level FSK**

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Signal Generator Level (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBW) | Margin (dB) |
|-----------------|-------------------------------|------------------------------|-----------------|--------------------|----------------------------------------|-------------|
| 1596.025        | -77.6                         | -57.4                        | 1.1             | 1.5                | -87.0                                  | -17.0       |
| 1598.025        | -78.5                         | -58.4                        | 1.1             | 1.5                | -88.0                                  | -18.0       |
| 1604.025        | -78.2                         | -59.3                        | 1.1             | 1.5                | -88.9                                  | -18.9       |
| 1609.975        | -79.6                         | -57.2                        | 1.1             | 1.5                | -86.8                                  | -16.8       |

**Table 7-10: GNSS Band Spurious Radiation - NPSPAC 2-level FSK**

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Signal Generator Level (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBW) | Margin (dB) |
|-----------------|-------------------------------|------------------------------|-----------------|--------------------|----------------------------------------|-------------|
| 1596.025        | -77.6                         | -57.4                        | 1.1             | 1.5                | -87.0                                  | -17.0       |
| 1598.025        | -78.6                         | -58.5                        | 1.1             | 1.5                | -88.1                                  | -18.1       |
| 1604.025        | -78.1                         | -59.2                        | 1.1             | 1.5                | -88.8                                  | -18.8       |
| 1609.975        | -79.3                         | -56.9                        | 1.1             | 1.5                | -86.5                                  | -16.5       |

Measurement uncertainties shown for these tests are expanded uncertainties expressed at the 95% confidence level using a coverage factor K=2. Measurement uncertainty:  $\pm 0.5$  dB

**Results: Pass**

### 7.3 Test Data

#### 7.3.1 §2.1053 Requirements

Limit: 50+10LogP narrowband limit used as worst case limit.

**Table 7-11: Field Strength of Spurious Radiation; 136.0125 MHz**

**Fundamental Power Measured = 38.2 dBm; 6.5 W; Limit = 58.1 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 272.0250        | 46.0                           | -33.7                        | 0.2                                 | -0.5               | 72.5                                   | -14.4       |
| 408.0375        | 44.6                           | -36.2                        | 0.2                                 | -0.4               | 75.0                                   | -16.9       |
| 544.0500        | 27.9                           | -51.9                        | 0.2                                 | -0.7               | 91.0                                   | -32.9       |
| 680.0625        | 23.7                           | -52.3                        | 0.2                                 | -0.9               | 91.7                                   | -33.5       |
| 816.0750        | 21.6                           | -56.3                        | 0.3                                 | -1.5               | 96.2                                   | -38.1       |
| 952.0875        | 19.0                           | -54.2                        | 0.3                                 | -0.9               | 93.7                                   | -35.5       |
| 1088.1000       | 16.5                           | -59.0                        | 0.3                                 | 4.6                | 92.9                                   | -34.8       |
| 1224.1125       | 15.4                           | -59.4                        | 0.3                                 | 4.8                | 93.1                                   | -35.0       |
| 1360.1250       | -3.4                           | -78.3                        | 0.4                                 | 5.6                | 111.2                                  | -53.1       |

**Table 7-12: Field Strength of Spurious Radiation; 138.0125 MHz**

**Fundamental Power Measured = 38.1 dBm; 6.5 W; Limit = 58.1 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 276.0250        | 53.4                           | -31.6                        | 0.2                                 | -0.5               | 70.3                                   | -12.2       |
| 414.0375        | 47.2                           | -32.5                        | 0.2                                 | -0.4               | 71.2                                   | -13.1       |
| 552.0500        | 25.6                           | -54.1                        | 0.2                                 | -0.7               | 93.2                                   | -35.1       |
| 690.0625        | 20.7                           | -54.2                        | 0.2                                 | -0.9               | 93.4                                   | -35.3       |
| 828.0750        | 20.9                           | -56.9                        | 0.3                                 | -1.4               | 96.7                                   | -38.6       |
| 966.0875        | 16.9                           | -57.2                        | 0.3                                 | -0.9               | 96.5                                   | -38.4       |
| 1104.1000       | 12.3                           | -63.2                        | 0.3                                 | 4.6                | 97.0                                   | -38.8       |
| 1242.1125       | 10.0                           | -65.3                        | 0.3                                 | 4.9                | 98.8                                   | -40.7       |
| 1380.1250       | -1.3                           | -75.4                        | 0.4                                 | 5.8                | 108.0                                  | -49.9       |

**Table 7-13: Field Strength of Spurious Radiation; 141.0125 MHz**

**Fundamental Power Measured = 38 dBm; 6.4 W; Limit = 58.1 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 282.0250        | 43.8                           | -37.8                        | 0.2                                 | -0.6               | 76.5                                   | -18.5       |
| 423.0375        | 43.5                           | -35.8                        | 0.2                                 | -0.4               | 74.4                                   | -16.4       |
| 564.0500        | 26.7                           | -53.6                        | 0.2                                 | -0.8               | 92.6                                   | -34.6       |
| 705.0625        | 20.7                           | -55.2                        | 0.2                                 | -1.0               | 94.4                                   | -36.4       |
| 846.0750        | 19.0                           | -59.5                        | 0.3                                 | -1.4               | 99.2                                   | -41.2       |
| 987.0875        | 10.6                           | -62.3                        | 0.3                                 | -0.7               | 101.3                                  | -43.2       |
| 1128.1000       | 9.7                            | -66.1                        | 0.3                                 | 4.6                | 99.8                                   | -41.7       |
| 1269.1125       | 1.7                            | -73.9                        | 0.3                                 | 5.0                | 107.3                                  | -49.2       |
| 1410.1250       | 2.0                            | -72.6                        | 0.4                                 | 6.0                | 105.0                                  | -46.9       |

**Table 7-14: Field Strength of Spurious Radiation; 143.9875 MHz**

**Fundamental Power Measured = 38.1 dBm; 6.5 W; Limit = 58.1 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 287.9750        | 33.0                           | -52.3                        | 0.2                                 | -0.6               | 91.2                                   | -33.1       |
| 431.9625        | 27.5                           | -52.1                        | 0.2                                 | -0.4               | 90.8                                   | -32.7       |
| 575.9500        | 13.7                           | -66.7                        | 0.2                                 | -0.8               | 105.9                                  | -47.8       |
| 719.9375        | 0.9                            | -78.0                        | 0.2                                 | -1.0               | 117.4                                  | -59.3       |
| 863.9250        | 3.0                            | -74.3                        | 0.3                                 | -1.4               | 114.1                                  | -55.9       |
| 1007.9125       | -2.6                           | -78.1                        | 0.3                                 | 4.4                | 112.1                                  | -54.0       |
| 1151.9000       | -3.9                           | -79.4                        | 0.3                                 | 4.7                | 113.1                                  | -55.0       |
| 1295.8875       | 0.7                            | -75.1                        | 0.3                                 | 5.1                | 108.4                                  | -50.3       |
| 1439.8750       | -6.6                           | -81.2                        | 0.4                                 | 6.1                | 113.5                                  | -55.4       |

**Table 7-15: Field Strength of Spurious Radiation; 148.0125 MHz**

**Fundamental Power Measured = 38.2 dBm; 6.6 W; Limit = 58.2 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 296.0250        | 39.2                           | -45.3                        | 0.2                                 | -0.7               | 84.4                                   | -26.2       |
| 444.0375        | 36.7                           | -45.8                        | 0.2                                 | -0.4               | 84.6                                   | -26.4       |
| 592.0500        | 14.5                           | -65.7                        | 0.2                                 | -0.8               | 105.0                                  | -46.8       |
| 740.0625        | 14.4                           | -65.4                        | 0.2                                 | -1.2               | 105.0                                  | -46.8       |
| 888.0750        | 16.7                           | -57.2                        | 0.3                                 | -1.3               | 96.9                                   | -38.7       |
| 1036.0875       | 0.6                            | -75.6                        | 0.3                                 | 4.4                | 109.7                                  | -51.5       |
| 1184.1000       | -8.5                           | -83.8                        | 0.3                                 | 4.7                | 117.6                                  | -59.5       |
| 1332.1125       | -5.8                           | -81.2                        | 0.4                                 | 5.4                | 114.3                                  | -56.1       |
| 1480.1250       | -11.7                          | -86.4                        | 0.4                                 | 6.3                | 118.6                                  | -60.4       |

**Table 7-16: Field Strength of Spurious Radiation; 150.0125 MHz**

**Fundamental Power Measured = 38.2 dBm; 6.6 W; Limit = 58.2 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 300.0250        | 35.5                           | -49.1                        | 0.2                                 | -0.7               | 88.2                                   | -30.0       |
| 450.0375        | 34.9                           | -47.4                        | 0.2                                 | -0.4               | 86.2                                   | -28.0       |
| 600.0500        | 11.9                           | -68.3                        | 0.2                                 | -0.8               | 107.6                                  | -49.4       |
| 750.0625        | 5.1                            | -71.9                        | 0.2                                 | -1.2               | 111.6                                  | -53.4       |
| 900.0750        | -6.3                           | -80.6                        | 0.3                                 | -1.2               | 120.4                                  | -62.2       |
| 1050.0875       | -1.5                           | -77.6                        | 0.3                                 | 4.5                | 111.7                                  | -53.5       |
| 1200.1000       | -2.9                           | -78.0                        | 0.3                                 | 4.7                | 111.8                                  | -53.6       |
| 1350.1125       | -11.8                          | -86.9                        | 0.4                                 | 5.6                | 119.9                                  | -61.7       |
| 1500.1250       | -14.5                          | -88.1                        | 0.4                                 | 6.4                | 120.2                                  | -62.0       |

**Table 7-17: Field Strength of Spurious Radiation; 156.8000 MHz**

**Fundamental Power Measured = 38.2 dBm; 6.7 W; Limit = 58.3 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 313.6000        | 35.6                           | -46.6                        | 0.2                                 | -0.6               | 85.6                                   | -27.3       |
| 470.4000        | 36.5                           | -43.9                        | 0.2                                 | -0.5               | 82.8                                   | -24.5       |
| 627.2000        | 27.4                           | -53.1                        | 0.2                                 | -0.8               | 92.3                                   | -34.1       |
| 784.0000        | 18.4                           | -61.0                        | 0.3                                 | -1.4               | 100.9                                  | -42.6       |
| 940.8000        | 0.1                            | -74.7                        | 0.3                                 | -1.0               | 114.2                                  | -55.9       |
| 1097.6000       | 2.3                            | -73.9                        | 0.3                                 | 4.6                | 107.8                                  | -49.6       |
| 1254.4000       | -3.3                           | -78.8                        | 0.3                                 | 4.9                | 112.4                                  | -54.2       |
| 1411.2000       | -8.5                           | -83.1                        | 0.4                                 | 6.0                | 115.7                                  | -57.4       |
| 1568.0000       | -8.4                           | -83.2                        | 0.4                                 | 6.7                | 115.1                                  | -56.9       |

**Table 7-18: Field Strength of Spurious Radiation; 162.0125 MHz**

**Fundamental Power Measured = 38.3 dBm; 6.7 W; Limit = 58.3 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 324.0250        | 36.1                           | -46.6                        | 0.2                                 | -0.6               | 85.6                                   | -27.4       |
| 486.0375        | 40.4                           | -39.6                        | 0.2                                 | -0.6               | 78.7                                   | -20.4       |
| 648.0500        | 22.1                           | -58.1                        | 0.2                                 | -0.8               | 97.5                                   | -39.3       |
| 810.0625        | 22.7                           | -52.6                        | 0.3                                 | -1.5               | 92.7                                   | -34.4       |
| 972.0750        | 11.1                           | -62.2                        | 0.3                                 | -0.9               | 101.6                                  | -43.3       |
| 1134.0875       | 19.6                           | -56.2                        | 0.3                                 | 4.7                | 90.2                                   | -31.9       |
| 1296.1000       | -2.6                           | -78.4                        | 0.3                                 | 5.1                | 111.9                                  | -53.7       |
| 1458.1125       | -11.2                          | -84.9                        | 0.4                                 | 6.2                | 117.4                                  | -59.1       |
| 1620.1250       | -12.0                          | -86.5                        | 0.4                                 | 6.7                | 118.5                                  | -60.3       |

**Table 7-19: Field Strength of Spurious Radiation; 173.9875 MHz**

**Fundamental Power Measured = 38.1 dBm; 6.5 W; Limit = 58.1 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 347.9750        | 29.6                           | -53.2                        | 0.2                                 | -0.5               | 92.0                                   | -33.8       |
| 521.9625        | 33.0                           | -48.0                        | 0.2                                 | -0.6               | 86.9                                   | -28.8       |
| 695.9500        | 7.4                            | -67.8                        | 0.2                                 | -0.9               | 107.0                                  | -48.9       |
| 869.9375        | -0.1                           | -78.0                        | 0.3                                 | -1.4               | 117.7                                  | -59.6       |
| 1043.9250       | -7.9                           | -83.9                        | 0.3                                 | 4.5                | 117.9                                  | -59.7       |
| 1217.9125       | -12.9                          | -87.7                        | 0.3                                 | 4.8                | 121.3                                  | -63.2       |
| 1391.9000       | -15.1                          | -90.0                        | 0.4                                 | 5.9                | 122.6                                  | -64.5       |
| 1565.8875       | -15.4                          | -89.6                        | 0.4                                 | 6.7                | 121.4                                  | -63.3       |
| 1739.8750       | -15.6                          | -89.9                        | 0.4                                 | 6.5                | 122.0                                  | -63.8       |

**Table 7-20: Field Strength of Spurious Radiation; 378.0125 MHz**

**Fundamental Power Measured = 37.3 dBm; 5.4 W; Limit = 57.3 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 756.0250        | 24.5                           | -52.2                        | 0.2                                 | -1.3               | 91.0                                   | -33.7       |
| 1134.0375       | 22.4                           | -53.4                        | 0.3                                 | 4.7                | 86.4                                   | -29.0       |
| 1512.0500       | 12.3                           | -62.5                        | 0.4                                 | 6.5                | 93.7                                   | -36.4       |
| 1890.0625       | 10.7                           | -63.6                        | 0.5                                 | 6.3                | 95.0                                   | -37.7       |
| 2268.0750       | -1.0                           | -75.1                        | 0.5                                 | 7.2                | 105.8                                  | -48.4       |
| 2646.0875       | -2.4                           | -77.3                        | 0.6                                 | 7.6                | 107.6                                  | -50.3       |
| 3024.1000       | -5.1                           | -78.9                        | 0.7                                 | 7.3                | 109.6                                  | -52.2       |
| 3402.1125       | -9.4                           | -83.0                        | 0.7                                 | 7.6                | 113.5                                  | -56.2       |
| 3780.1250       | -13.2                          | -86.7                        | 0.8                                 | 7.0                | 117.8                                  | -60.5       |

**Table 7-21: Field Strength of Spurious Radiation; 406.1125 MHz**

**Fundamental Power Measured = 37.5 dBm; 5.6 W; Limit = 57.5 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 812.2250        | 44.7                           | -33.5                        | 0.3                                 | -1.5               | 72.7                                   | -15.3       |
| 1218.3375       | 37.9                           | -36.9                        | 0.3                                 | 4.8                | 69.9                                   | -12.4       |
| 1624.4500       | 20.2                           | -54.3                        | 0.4                                 | 6.7                | 85.5                                   | -28.0       |
| 2030.5625       | 23.6                           | -50.6                        | 0.5                                 | 6.7                | 81.9                                   | -24.5       |
| 2436.6750       | 5.8                            | -68.2                        | 0.6                                 | -2.1               | 108.4                                  | -51.0       |
| 2842.7875       | 13.6                           | -61.2                        | 0.6                                 | 7.8                | 91.5                                   | -34.0       |
| 3248.9000       | 4.6                            | -69.1                        | 0.7                                 | 7.1                | 100.2                                  | -42.7       |
| 3655.0125       | 5.2                            | -68.3                        | 0.8                                 | 7.4                | 99.2                                   | -41.7       |
| 4061.1250       | 6.5                            | -64.4                        | 0.8                                 | 7.8                | 94.9                                   | -37.5       |

**Table 7-22: Field Strength of Spurious Radiation; 418.0000 MHz**

**Fundamental Power Measured = 37.4 dBm; 5.5 W; Limit = 57.4 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 836.0000        | 38.7                           | -36.0                        | 0.3                                 | -1.4               | 75.1                                   | -17.7       |
| 1254.0000       | 33.9                           | -41.0                        | 0.3                                 | 4.9                | 73.8                                   | -16.4       |
| 1672.0000       | 14.0                           | -60.4                        | 0.4                                 | 6.5                | 91.8                                   | -34.4       |
| 2090.0000       | 15.7                           | -58.5                        | 0.5                                 | 6.4                | 90.0                                   | -32.6       |
| 2508.0000       | -2.9                           | -76.9                        | 0.6                                 | 7.4                | 107.5                                  | -50.1       |
| 2926.0000       | 5.1                            | -68.7                        | 0.6                                 | 7.6                | 99.1                                   | -41.7       |
| 3344.0000       | -3.9                           | -77.6                        | 0.7                                 | 7.3                | 108.4                                  | -51.0       |
| 3762.0000       | 1.5                            | -72.0                        | 0.8                                 | 7.0                | 103.1                                  | -45.7       |
| 4180.0000       | -8.4                           | -79.4                        | 0.9                                 | 8.4                | 109.3                                  | -51.9       |

**Table 7-23: Field Strength of Spurious Radiation; 429.9875 MHz**

**Fundamental Power Measured = 37.4 dBm; 5.5 W; Limit = 57.4 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 859.9750        | 28.8                           | -45.2                        | 0.3                                 | -1.4               | 84.2                                   | -26.8       |
| 1289.9625       | 22.8                           | -52.1                        | 0.3                                 | 5.1                | 84.8                                   | -27.4       |
| 1719.9500       | 23.6                           | -51.6                        | 0.4                                 | 6.4                | 83.0                                   | -25.6       |
| 2149.9375       | 20.0                           | -54.2                        | 0.5                                 | 6.6                | 85.5                                   | -28.1       |
| 2579.9250       | 7.0                            | -67.0                        | 0.6                                 | 7.4                | 97.5                                   | -40.1       |
| 3009.9125       | -9.1                           | -82.9                        | 0.7                                 | 7.3                | 113.6                                  | -56.2       |
| 3439.9000       | -8.4                           | -82.0                        | 0.7                                 | 7.6                | 112.6                                  | -55.2       |
| 3869.8875       | -16.5                          | -90.0                        | 0.8                                 | 7.0                | 121.2                                  | -63.8       |
| 4299.8750       | -18.7                          | -89.8                        | 0.9                                 | 8.7                | 119.4                                  | -62.0       |

**Table 7-24: Field Strength of Spurious Radiation; 450.0125 MHz**

**Fundamental Power Measured = 37.4 dBm; 5.5 W; Limit = 57.4 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 900.0250        | 31.5                           | -44.6                        | 0.3                                 | -1.2               | 83.5                                   | -26.1       |
| 1350.0375       | 16.9                           | -58.2                        | 0.4                                 | 5.6                | 90.4                                   | -33.0       |
| 1800.0500       | 12.7                           | -62.5                        | 0.4                                 | 6.7                | 93.7                                   | -36.3       |
| 2250.0625       | -3.6                           | -77.7                        | 0.5                                 | 7.1                | 108.6                                  | -51.2       |
| 2700.0750       | -7.4                           | -81.3                        | 0.6                                 | 7.7                | 111.6                                  | -54.2       |
| 3150.0875       | -14.0                          | -87.7                        | 0.7                                 | 7.1                | 118.8                                  | -61.4       |
| 3600.1000       | -13.0                          | -86.6                        | 0.8                                 | 7.6                | 117.1                                  | -59.7       |
| 4050.1125       | -17.2                          | -88.4                        | 0.8                                 | 7.8                | 118.9                                  | -61.5       |
| 4500.1250       | -15.5                          | -86.8                        | 0.9                                 | 8.8                | 116.3                                  | -58.9       |

**Table 7-25: Field Strength of Spurious Radiation; 453.8750 MHz**

**Fundamental Power Measured = 37.4 dBm; 5.5 W; Limit = 57.4 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 907.9750        | 28.5                           | -45.8                        | 0.3                                 | -1.2               | 84.7                                   | -27.3       |
| 1361.9625       | 27.3                           | -48.2                        | 0.4                                 | 5.7                | 80.3                                   | -22.9       |
| 1815.9500       | 8.9                            | -65.4                        | 0.4                                 | 6.6                | 96.6                                   | -39.2       |
| 2269.9375       | 4.8                            | -70.2                        | 0.5                                 | 7.2                | 101.0                                  | -43.6       |
| 2723.9250       | -7.5                           | -81.4                        | 0.6                                 | 7.8                | 111.7                                  | -54.3       |
| 3177.9125       | -13.1                          | -86.8                        | 0.7                                 | 7.1                | 117.9                                  | -60.5       |
| 3631.9000       | -11.3                          | -84.9                        | 0.8                                 | 7.5                | 115.5                                  | -58.1       |
| 4085.8875       | -13.8                          | -84.8                        | 0.8                                 | 8.0                | 115.0                                  | -57.6       |
| 4539.8750       | -14.9                          | -86.5                        | 0.9                                 | 8.8                | 116.0                                  | -58.6       |

**Table 7-26: Field Strength of Spurious Radiation; 456.0125 MHz**

**Fundamental Power Measured = 37.4 dBm; 5.6 W; Limit = 57.5 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 912.0250        | 30.7                           | -45.0                        | 0.3                                 | -1.2               | 83.9                                   | -26.4       |
| 1368.0375       | 19.4                           | -55.9                        | 0.4                                 | 5.7                | 87.9                                   | -30.4       |
| 1824.0500       | 14.5                           | -60.7                        | 0.4                                 | 6.6                | 92.0                                   | -34.5       |
| 2280.0625       | -5.1                           | -79.2                        | 0.5                                 | 7.2                | 109.9                                  | -52.4       |
| 2736.0750       | -11.7                          | -86.6                        | 0.6                                 | 7.8                | 116.8                                  | -59.3       |
| 3192.0875       | -13.2                          | -86.9                        | 0.7                                 | 7.0                | 118.0                                  | -60.5       |
| 3648.1000       | -11.4                          | -84.9                        | 0.8                                 | 7.4                | 115.7                                  | -58.2       |
| 4104.1125       | -13.0                          | -84.0                        | 0.8                                 | 8.1                | 114.2                                  | -56.7       |
| 4560.1250       | -16.4                          | -87.8                        | 0.9                                 | 8.9                | 117.2                                  | -59.7       |

**Table 7-27: Field Strength of Spurious Radiation; 459.0250 MHz**

**Fundamental Power Measured = 37.4 dBm; 5.6 W; Limit = 57.5 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 918.0500        | 26.0                           | -48.2                        | 0.3                                 | -1.2               | 87.0                                   | -29.6       |
| 1377.0750       | 20.0                           | -54.2                        | 0.4                                 | 5.8                | 86.2                                   | -28.7       |
| 1836.1000       | 12.6                           | -61.7                        | 0.4                                 | 6.5                | 93.0                                   | -35.5       |
| 2295.1250       | -2.3                           | -77.3                        | 0.5                                 | 7.3                | 107.9                                  | -50.4       |
| 2754.1500       | -6.5                           | -80.4                        | 0.6                                 | 7.8                | 110.6                                  | -53.1       |
| 3213.1750       | -11.4                          | -85.1                        | 0.7                                 | 7.1                | 116.2                                  | -58.7       |
| 3672.2000       | -11.4                          | -84.9                        | 0.8                                 | 7.3                | 115.8                                  | -58.3       |
| 4131.2250       | -11.4                          | -82.4                        | 0.8                                 | 8.2                | 112.5                                  | -55.0       |
| 4590.2500       | 11.4                           | -60.0                        | 0.9                                 | 8.9                | 89.4                                   | -31.9       |

**Table 7-28: Field Strength of Spurious Radiation; 459.9750 MHz**

**Fundamental Power Measured = 37.5 dBm; 5.6 W; Limit = 57.5 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 919.9500        | 30.2                           | -45.2                        | 0.3                                 | -1.2               | 84.2                                   | -26.7       |
| 1379.9250       | 17.9                           | -56.2                        | 0.4                                 | 5.8                | 88.2                                   | -30.8       |
| 1839.9000       | 12.8                           | -61.5                        | 0.4                                 | 6.5                | 92.9                                   | -35.4       |
| 2299.8750       | -3.2                           | -77.3                        | 0.5                                 | 7.3                | 108.0                                  | -50.5       |
| 2759.8500       | -8.5                           | -83.3                        | 0.6                                 | 7.8                | 113.6                                  | -56.1       |
| 3219.8250       | -11.2                          | -84.9                        | 0.7                                 | 7.1                | 116.1                                  | -58.6       |
| 3679.8000       | -13.0                          | -86.5                        | 0.8                                 | 7.3                | 117.5                                  | -60.0       |
| 4139.7750       | -16.6                          | -87.6                        | 0.8                                 | 8.2                | 117.7                                  | -60.3       |
| 4599.7500       | -15.4                          | -86.8                        | 0.9                                 | 8.9                | 116.3                                  | -58.8       |

**Table 7-29: Field Strength of Spurious Radiation; 469.9875 MHz**

**Fundamental Power Measured = 37.5 dBm; 5.7 W; Limit = 57.6 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 939.9750        | 24.5                           | -49.5                        | 0.3                                 | -1.0               | 88.3                                   | -30.8       |
| 1409.9625       | 18.4                           | -57.1                        | 0.4                                 | 6.0                | 88.9                                   | -31.4       |
| 1879.9500       | 3.1                            | -72.1                        | 0.5                                 | 6.3                | 103.7                                  | -46.1       |
| 2349.9375       | -2.0                           | -76.1                        | 0.5                                 | 7.3                | 106.8                                  | -49.2       |
| 2819.9250       | -9.7                           | -84.5                        | 0.6                                 | 7.9                | 114.8                                  | -57.2       |
| 3289.9125       | 16.7                           | -58.0                        | 0.7                                 | 7.1                | 89.1                                   | -31.5       |
| 3759.9000       | -14.2                          | -87.7                        | 0.8                                 | 7.0                | 118.9                                  | -61.4       |
| 4229.8875       | -17.6                          | -89.0                        | 0.9                                 | 8.6                | 118.8                                  | -61.2       |
| 4699.8750       | -18.8                          | -90.6                        | 0.9                                 | 9.0                | 120.0                                  | -62.5       |

**Table 7-30: Field Strength of Spurious Radiation; 511.9875 MHz**

**Fundamental Power Measured = 37.2 dBm; 5.3 W; Limit = 57.2 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1023.9750       | 26.6                           | -49.3                        | 0.3                                 | 4.4                | 82.4                                   | -25.1       |
| 1535.9625       | 13.8                           | -60.1                        | 0.4                                 | 6.5                | 91.2                                   | -33.9       |
| 2047.9500       | -1.6                           | -75.8                        | 0.5                                 | 6.6                | 106.9                                  | -49.7       |
| 2559.9375       | 11.4                           | -63.5                        | 0.6                                 | 7.4                | 93.9                                   | -36.7       |
| 3071.9250       | -14.5                          | -88.3                        | 0.7                                 | 7.2                | 119.0                                  | -61.7       |
| 3583.9125       | -12.4                          | -86.0                        | 0.8                                 | 7.6                | 116.3                                  | -59.1       |
| 4095.9000       | -14.8                          | -85.8                        | 0.8                                 | 8.0                | 115.8                                  | -58.6       |
| 4607.8875       | -17.2                          | -88.9                        | 0.9                                 | 8.9                | 118.1                                  | -60.9       |
| 5119.8750       | -13.0                          | -84.6                        | 1.0                                 | 8.7                | 114.1                                  | -56.9       |

**Table 7-31: Field Strength of Spurious Radiation; 521.9875 MHz**

**Fundamental Power Measured = 37.2 dBm; 5.2 W; Limit = 57.2 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1043.9750       | 17.1                           | -57.3                        | 0.3                                 | 4.5                | 90.4                                   | -33.2       |
| 1565.9625       | 14.4                           | -59.8                        | 0.4                                 | 6.7                | 90.7                                   | -33.6       |
| 2087.9500       | -2.7                           | -76.9                        | 0.5                                 | 6.4                | 108.2                                  | -51.0       |
| 2609.9375       | -4.3                           | -78.3                        | 0.6                                 | 7.5                | 108.6                                  | -51.4       |
| 3131.9250       | -9.8                           | -83.6                        | 0.7                                 | 7.1                | 114.4                                  | -57.2       |
| 3653.9125       | -11.5                          | -85.0                        | 0.8                                 | 7.4                | 115.6                                  | -58.5       |
| 4175.9000       | -14.4                          | -85.7                        | 0.9                                 | 8.4                | 115.4                                  | -58.3       |
| 4697.8875       | -14.4                          | -86.2                        | 0.9                                 | 9.0                | 115.3                                  | -58.2       |
| 5219.8750       | -14.1                          | -86.1                        | 1.0                                 | 8.6                | 115.7                                  | -58.5       |

**Table 7-32: Field Strength of Spurious Radiation; 763.0000 MHz**

**Fundamental Power Measured = 34.3 dBm; 2.7 W; Limit = 54.3 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1526.0000       | 16.2                           | -58.6                        | 0.4                                 | 6.5                | 86.8                                   | -32.5       |
| 2289.0000       | 2.3                            | -71.8                        | 0.5                                 | 7.3                | 99.3                                   | -45.0       |
| 3052.0000       | -8.7                           | -82.5                        | 0.7                                 | 7.2                | 110.2                                  | -55.9       |
| 3815.0000       | -13.1                          | -86.6                        | 0.8                                 | 7.0                | 114.7                                  | -60.4       |
| 4578.0000       | -13.0                          | -84.7                        | 0.9                                 | 8.9                | 111.0                                  | -56.7       |
| 5341.0000       | -16.9                          | -88.3                        | 1.0                                 | 8.6                | 115.0                                  | -60.7       |
| 6104.0000       | -10.0                          | -81.0                        | 1.2                                 | 9.2                | 107.2                                  | -52.9       |
| 6867.0000       | -18.1                          | -88.0                        | 1.3                                 | 9.5                | 114.1                                  | -59.8       |
| 7630.0000       | -19.2                          | -88.1                        | 1.4                                 | 9.1                | 114.6                                  | -60.3       |

**Table 7-33: Field Strength of Spurious Radiation; 768.0125 MHz**

**Fundamental Power Measured = 34.3 dBm; 2.7 W; Limit = 54.3 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1536.0250       | 14.0                           | -60.9                        | 0.4                                 | 6.5                | 89.0                                   | -34.7       |
| 2304.0375       | 6.4                            | -67.7                        | 0.5                                 | 7.3                | 95.2                                   | -40.9       |
| 3072.0500       | -2.4                           | -76.2                        | 0.7                                 | 7.2                | 104.0                                  | -49.7       |
| 3840.0625       | -13.1                          | -86.6                        | 0.8                                 | 7.0                | 114.7                                  | -60.4       |
| 4608.0750       | -15.9                          | -87.6                        | 0.9                                 | 8.9                | 113.9                                  | -59.6       |
| 5376.0875       | -18.0                          | -89.4                        | 1.0                                 | 8.5                | 116.2                                  | -61.9       |
| 6144.1000       | -10.6                          | -81.6                        | 1.2                                 | 9.2                | 107.9                                  | -53.6       |
| 6912.1125       | -20.4                          | -90.3                        | 1.3                                 | 9.5                | 116.4                                  | -62.1       |
| 7680.1250       | -19.1                          | -87.9                        | 1.4                                 | 9.2                | 114.4                                  | -60.1       |

**Table 7-34: Field Strength of Spurious Radiation; 769.0125 MHz**

**Fundamental Power Measured = 34.4 dBm; 2.7 W; Limit = 54.3 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1538.0250       | 17.2                           | -57.7                        | 0.4                                 | 6.6                | 85.9                                   | -31.6       |
| 2307.0375       | 5.1                            | -69.9                        | 0.5                                 | 7.3                | 97.5                                   | -43.2       |
| 3076.0500       | -11.9                          | -85.7                        | 0.7                                 | 7.1                | 113.6                                  | -59.3       |
| 3845.0625       | -12.7                          | -86.2                        | 0.8                                 | 7.0                | 114.4                                  | -60.1       |
| 4614.0750       | -15.0                          | -86.7                        | 0.9                                 | 8.9                | 113.1                                  | -58.8       |
| 5383.0875       | -18.7                          | -90.1                        | 1.0                                 | 8.5                | 117.0                                  | -62.7       |
| 6152.1000       | -11.2                          | -82.2                        | 1.2                                 | 9.2                | 108.6                                  | -54.3       |
| 6921.1125       | -19.3                          | -89.4                        | 1.3                                 | 9.5                | 115.6                                  | -61.3       |
| 7690.1250       | -19.7                          | -89.0                        | 1.4                                 | 9.2                | 115.6                                  | -61.3       |

**Table 7-35: Field Strength of Spurious Radiation; 772.0000 MHz**

**Fundamental Power Measured = 34.4 dBm; 2.8 W; Limit = 54.5 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1544.0000       | 16.4                           | -57.6                        | 0.4                                 | 6.6                | 85.8                                   | -31.3       |
| 2316.0000       | 11.1                           | -63.9                        | 0.5                                 | 7.3                | 91.5                                   | -37.0       |
| 3088.0000       | -12.7                          | -86.5                        | 0.7                                 | 7.1                | 114.4                                  | -60.0       |
| 3860.0000       | -12.9                          | -87.4                        | 0.8                                 | 7.0                | 115.6                                  | -61.1       |
| 4632.0000       | -13.9                          | -85.6                        | 0.9                                 | 8.9                | 112.0                                  | -57.6       |
| 5404.0000       | -14.6                          | -86.0                        | 1.0                                 | 8.5                | 112.9                                  | -58.4       |
| 6176.0000       | -10.9                          | -81.8                        | 1.2                                 | 9.1                | 108.3                                  | -53.8       |
| 6948.0000       | -20.3                          | -90.4                        | 1.3                                 | 9.5                | 116.6                                  | -62.1       |
| 7720.0000       | -19.2                          | -88.0                        | 1.4                                 | 9.3                | 114.5                                  | -60.1       |

**Table 7-36: Field Strength of Spurious Radiation; 774.9875 MHz**

**Fundamental Power Measured = 34.5 dBm; 2.8 W; Limit = 54.5 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1549.9750       | 18.0                           | -56.9                        | 0.4                                 | 6.6                | 85.2                                   | -30.7       |
| 2324.9625       | 1.3                            | -73.7                        | 0.5                                 | 7.3                | 101.4                                  | -46.9       |
| 3099.9500       | -12.2                          | -86.0                        | 0.7                                 | 7.1                | 114.1                                  | -59.6       |
| 3874.9375       | -14.5                          | -88.0                        | 0.8                                 | 7.0                | 116.3                                  | -61.8       |
| 4649.9250       | -15.6                          | -87.3                        | 0.9                                 | 8.9                | 113.8                                  | -59.4       |
| 5424.9125       | -18.0                          | -89.3                        | 1.1                                 | 8.5                | 116.4                                  | -61.9       |
| 6199.9000       | -11.0                          | -81.9                        | 1.2                                 | 9.1                | 108.5                                  | -54.0       |
| 6974.8875       | -19.6                          | -89.4                        | 1.3                                 | 9.5                | 115.7                                  | -61.2       |
| 7749.8750       | -18.6                          | -87.4                        | 1.4                                 | 9.3                | 114.0                                  | -59.5       |

**Table 7-37: Field Strength of Spurious Radiation; 775.9875 MHz**

**Fundamental Power Measured = 34.5 dBm; 2.8 W; Limit = 54.5 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1551.9750       | 17.5                           | -57.4                        | 0.4                                 | 6.6                | 85.7                                   | -31.2       |
| 2327.9625       | 1.6                            | -73.4                        | 0.5                                 | 7.3                | 101.1                                  | -46.6       |
| 3103.9500       | -11.7                          | -86.4                        | 0.7                                 | 7.1                | 114.5                                  | -60.0       |
| 3879.9375       | -16.0                          | -89.4                        | 0.8                                 | 7.0                | 117.8                                  | -63.3       |
| 4655.9250       | -17.6                          | -89.3                        | 0.9                                 | 8.9                | 115.8                                  | -61.4       |
| 5431.9125       | -15.2                          | -86.5                        | 1.1                                 | 8.5                | 113.6                                  | -59.1       |
| 6207.9000       | -8.3                           | -79.2                        | 1.2                                 | 9.1                | 105.8                                  | -51.3       |
| 6983.8875       | -19.6                          | -89.4                        | 1.3                                 | 9.5                | 115.7                                  | -61.2       |
| 7759.8750       | -18.5                          | -87.3                        | 1.4                                 | 9.3                | 113.9                                  | -59.4       |

**Table 7-38: Field Strength of Spurious Radiation; 793.0125 MHz**

**Fundamental Power Measured = 34.4 dBm; 2.7 W; Limit = 54.3 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1586.0250       | 14.2                           | -60.7                        | 0.4                                 | 6.7                | 88.8                                   | -34.4       |
| 2379.0375       | 5.2                            | -69.8                        | 0.5                                 | 7.3                | 97.4                                   | -43.1       |
| 3172.0500       | -10.9                          | -84.6                        | 0.7                                 | 7.1                | 112.7                                  | -58.4       |
| 3965.0625       | -11.8                          | -86.2                        | 0.8                                 | 7.3                | 114.1                                  | -59.8       |
| 4758.0750       | -16.4                          | -87.9                        | 0.9                                 | 8.9                | 114.3                                  | -60.0       |
| 5551.0875       | -19.5                          | -90.7                        | 1.1                                 | 8.6                | 117.5                                  | -63.2       |
| 6344.1000       | -11.4                          | -82.2                        | 1.2                                 | 9.4                | 108.4                                  | -54.1       |
| 7137.1125       | -19.0                          | -88.9                        | 1.3                                 | 9.4                | 115.2                                  | -60.9       |
| 7930.1250       | -18.7                          | -87.3                        | 1.4                                 | 9.3                | 113.9                                  | -59.6       |

**Table 7-39: Field Strength of Spurious Radiation; 798.0125 MHz**

**Fundamental Power Measured = 34.3 dBm; 2.7 W; Limit = 54.3 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1596.0250       | 13.9                           | -61.0                        | 0.4                                 | 6.8                | 89.0                                   | -34.7       |
| 2394.0375       | 6.3                            | -68.7                        | 0.5                                 | 7.3                | 96.2                                   | -41.9       |
| 3192.0500       | -4.6                           | -78.3                        | 0.7                                 | 7.0                | 106.3                                  | -52.0       |
| 3990.0625       | -8.6                           | -82.0                        | 0.8                                 | 7.5                | 109.7                                  | -55.4       |
| 4788.0750       | -16.5                          | -88.0                        | 0.9                                 | 8.9                | 114.4                                  | -60.1       |
| 5586.0875       | -17.8                          | -89.4                        | 1.1                                 | 8.7                | 116.1                                  | -61.8       |
| 6384.1000       | -10.9                          | -81.6                        | 1.2                                 | 9.5                | 107.6                                  | -53.3       |
| 7182.1125       | -18.3                          | -87.9                        | 1.3                                 | 9.2                | 114.3                                  | -60.0       |
| 7980.1250       | -18.1                          | -86.7                        | 1.4                                 | 9.2                | 113.2                                  | -58.9       |

**Table 7-40: Field Strength of Spurious Radiation; 799.0125 MHz**

**Fundamental Power Measured = 34.3 dBm; 2.7 W; Limit = 54.3 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1598.0250       | 13.4                           | -61.6                        | 0.4                                 | 6.8                | 89.5                                   | -35.2       |
| 2397.0375       | 7.6                            | -67.4                        | 0.5                                 | 7.3                | 94.9                                   | -40.6       |
| 3196.0500       | -9.9                           | -83.6                        | 0.7                                 | 7.0                | 111.6                                  | -57.3       |
| 3995.0625       | -13.8                          | -87.2                        | 0.8                                 | 7.5                | 114.8                                  | -60.5       |
| 4794.0750       | -15.6                          | -87.4                        | 1.0                                 | 8.9                | 113.8                                  | -59.5       |
| 5593.0875       | -18.2                          | -89.4                        | 1.1                                 | 8.7                | 116.0                                  | -61.7       |
| 6392.1000       | -11.5                          | -82.2                        | 1.2                                 | 9.5                | 108.2                                  | -53.9       |
| 7191.1125       | -20.4                          | -90.0                        | 1.3                                 | 9.2                | 116.4                                  | -62.1       |
| 7990.1250       | -18.1                          | -86.7                        | 1.4                                 | 9.2                | 113.2                                  | -58.9       |

**Table 7-41: Field Strength of Spurious Radiation; 802.0125 MHz**

**Fundamental Power Measured = 34.3 dBm; 2.7 W; Limit = 54.3 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1604.0250       | 13.9                           | -61.1                        | 0.4                                 | 6.8                | 89.0                                   | -34.7       |
| 2406.0375       | 4.6                            | -70.4                        | 0.6                                 | -2.1               | 107.4                                  | -53.1       |
| 3208.0500       | 6.0                            | -68.7                        | 0.7                                 | 7.0                | 96.6                                   | -42.3       |
| 4010.0625       | -10.3                          | -81.2                        | 0.8                                 | 7.6                | 108.8                                  | -54.5       |
| 4812.0750       | -4.1                           | -76.0                        | 1.0                                 | 8.9                | 102.3                                  | -48.0       |
| 5614.0875       | -17.3                          | -88.9                        | 1.1                                 | 8.8                | 115.5                                  | -61.2       |
| 6416.1000       | -12.2                          | -82.9                        | 1.2                                 | 9.6                | 108.8                                  | -54.5       |
| 7218.1125       | -21.7                          | -91.3                        | 1.3                                 | 9.1                | 117.8                                  | -63.5       |
| 8020.1250       | -19.6                          | -87.4                        | 1.4                                 | 9.2                | 113.9                                  | -59.6       |

**Table 7-42: Field Strength of Spurious Radiation; 804.9875 MHz**

**Fundamental Power Measured = 34.2 dBm; 2.6 W; Limit = 54.1 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 2414.9625       | 5.9                            | -69.1                        | 0.6                                 | -2.1               | 106.0                                  | -51.8       |
| 3219.9500       | -12.2                          | -85.9                        | 0.7                                 | 7.1                | 113.8                                  | -59.6       |
| 4024.9375       | -16.2                          | -87.4                        | 0.8                                 | 7.6                | 114.8                                  | -60.7       |
| 4829.9250       | -16.4                          | -88.0                        | 1.0                                 | 8.9                | 114.3                                  | -60.1       |
| 5634.9125       | -16.1                          | -87.2                        | 1.1                                 | 8.8                | 113.7                                  | -59.6       |
| 6439.9000       | -13.6                          | -83.9                        | 1.2                                 | 9.6                | 109.7                                  | -55.6       |
| 7244.8875       | -20.1                          | -89.7                        | 1.3                                 | 9.0                | 116.2                                  | -62.1       |
| 8049.8750       | -20.0                          | -86.5                        | 1.5                                 | 9.2                | 113.0                                  | -58.8       |
| 2414.9625       | 5.9                            | -69.1                        | 0.6                                 | -2.1               | 106.0                                  | -51.8       |

**Table 7-43: Field Strength of Spurious Radiation; 805.9875 MHz**

**Fundamental Power Measured = 34.2 dBm; 2.6 W; Limit = 54.1 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1611.9750       | 13.3                           | -61.2                        | 0.4                                 | 6.7                | 89.0                                   | -34.9       |
| 2417.9625       | 4.9                            | -69.2                        | 0.6                                 | -2.1               | 106.0                                  | -51.9       |
| 3223.9500       | -11.6                          | -85.3                        | 0.7                                 | 7.1                | 113.2                                  | -59.0       |
| 4029.9375       | -16.5                          | -87.7                        | 0.8                                 | 7.7                | 115.1                                  | -60.9       |
| 4835.9250       | -17.0                          | -88.6                        | 1.0                                 | 8.9                | 114.9                                  | -60.7       |
| 5641.9125       | -17.5                          | -88.6                        | 1.1                                 | 8.8                | 115.1                                  | -60.9       |
| 6447.9000       | -13.0                          | -83.3                        | 1.2                                 | 9.7                | 109.1                                  | -54.9       |
| 7253.8875       | -21.5                          | -91.1                        | 1.3                                 | 8.9                | 117.7                                  | -63.5       |
| 8059.8750       | -19.5                          | -85.6                        | 1.5                                 | 9.2                | 112.1                                  | -57.9       |

**Table 7-44: Field Strength of Spurious Radiation; 806.0125 MHz**

**Fundamental Power Measured = 35.2 dBm; 3.3 W; Limit = 55.2 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1612.0250       | 15.3                           | -59.7                        | 0.4                                 | 6.7                | 88.6                                   | -33.4       |
| 2418.0375       | 8.4                            | -66.6                        | 0.6                                 | -2.1               | 104.5                                  | -49.3       |
| 3224.0500       | -13.1                          | -86.8                        | 0.7                                 | 7.1                | 115.7                                  | -60.5       |
| 4030.0625       | -13.7                          | -84.9                        | 0.8                                 | 7.7                | 113.3                                  | -58.1       |
| 4836.0750       | -10.8                          | -82.7                        | 1.0                                 | 8.9                | 110.0                                  | -54.8       |
| 5642.0875       | -16.7                          | -87.8                        | 1.1                                 | 8.8                | 115.3                                  | -60.1       |
| 6448.1000       | -6.3                           | -76.6                        | 1.2                                 | 9.7                | 103.4                                  | -48.2       |
| 7254.1125       | -16.9                          | -86.4                        | 1.3                                 | 8.9                | 114.1                                  | -58.9       |
| 8060.1250       | -18.3                          | -84.4                        | 1.5                                 | 9.2                | 111.9                                  | -56.7       |

**Table 7-45: Field Strength of Spurious Radiation; 815.0000 MHz**

**Fundamental Power Measured = 35.2 dBm; 3.3 W; Limit = 55.2 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1630.0000       | 14.8                           | -60.3                        | 0.4                                 | 6.7                | 89.2                                   | -34.0       |
| 2445.0000       | 9.6                            | -65.4                        | 0.6                                 | -2.1               | 103.3                                  | -48.1       |
| 3260.0000       | -7.3                           | -81.0                        | 0.7                                 | 7.1                | 109.8                                  | -54.6       |
| 4075.0000       | -6.7                           | -78.0                        | 0.8                                 | 7.9                | 106.1                                  | -50.9       |
| 4890.0000       | 4.4                            | -67.6                        | 1.0                                 | 8.8                | 94.9                                   | -39.7       |
| 5705.0000       | -16.9                          | -88.0                        | 1.1                                 | 9.0                | 115.3                                  | -60.1       |
| 6520.0000       | -0.8                           | -71.4                        | 1.2                                 | 9.7                | 98.1                                   | -42.9       |
| 7335.0000       | 12.7                           | -56.9                        | 1.3                                 | 8.7                | 84.7                                   | -29.5       |
| 8150.0000       | -6.2                           | -68.6                        | 1.5                                 | 9.3                | 96.0                                   | -40.8       |

**Table 7-46: Field Strength of Spurious Radiation; 823.9875 MHz**

**Fundamental Power Measured = 35.2 dBm; 3.3 W; Limit = 55.2 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1647.9750       | 14.5                           | -60.6                        | 0.4                                 | 6.6                | 89.6                                   | -34.4       |
| 2471.9625       | 6.0                            | -69.0                        | 0.6                                 | -2.1               | 106.9                                  | -51.7       |
| 3295.9500       | 6.4                            | -68.3                        | 0.7                                 | 7.1                | 97.1                                   | -41.9       |
| 4119.9375       | -8.3                           | -79.6                        | 0.8                                 | 8.1                | 107.5                                  | -52.3       |
| 4943.9250       | 9.2                            | -62.6                        | 1.0                                 | 8.8                | 89.9                                   | -34.7       |
| 5767.9125       | -15.6                          | -86.6                        | 1.1                                 | 9.3                | 113.7                                  | -58.5       |
| 6591.9000       | -3.7                           | -74.2                        | 1.2                                 | 9.7                | 101.0                                  | -45.8       |
| 7415.8875       | 7.3                            | -62.0                        | 1.4                                 | 8.7                | 89.8                                   | -34.6       |
| 8239.8750       | -6.3                           | -66.7                        | 1.5                                 | 9.3                | 94.1                                   | -38.9       |

**Table 7-47: Field Strength of Spurious Radiation; 824.9875 MHz**

**Fundamental Power Measured = 35.2 dBm; 3.3 W; Limit = 55.2 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1649.9750       | 12.5                           | -62.6                        | 0.4                                 | 6.6                | 91.6                                   | -36.5       |
| 2474.9625       | 7.2                            | -66.8                        | 0.6                                 | -2.1               | 104.7                                  | -49.5       |
| 3299.9500       | -5.3                           | -79.0                        | 0.7                                 | 7.1                | 107.8                                  | -52.6       |
| 4124.9375       | -7.4                           | -78.7                        | 0.8                                 | 8.2                | 106.6                                  | -51.4       |
| 4949.9250       | 7.4                            | -64.4                        | 1.0                                 | 8.8                | 91.7                                   | -36.5       |
| 5774.9125       | -17.6                          | -89.0                        | 1.1                                 | 9.3                | 116.0                                  | -60.8       |
| 6599.9000       | -4.3                           | -74.8                        | 1.2                                 | 9.7                | 101.6                                  | -46.4       |
| 7424.8875       | -2.3                           | -71.6                        | 1.4                                 | 8.7                | 99.4                                   | -44.2       |
| 8249.8750       | -11.7                          | -72.1                        | 1.5                                 | 9.3                | 99.5                                   | -44.3       |

**Table 7-48: Field Strength of Spurious Radiation; 851.0125 MHz**

**Fundamental Power Measured = 35.4 dBm; 3.5 W; Limit = 55.4 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1702.0250       | 12.2                           | -63.0                        | 0.4                                 | 6.4                | 92.4                                   | -37.0       |
| 2553.0375       | 6.7                            | -68.2                        | 0.6                                 | 7.4                | 96.8                                   | -41.4       |
| 3404.0500       | -6.5                           | -80.1                        | 0.7                                 | 7.6                | 108.7                                  | -53.3       |
| 4255.0625       | -15.2                          | -86.6                        | 0.9                                 | 8.6                | 114.2                                  | -58.8       |
| 5106.0750       | -5.3                           | -77.0                        | 1.0                                 | 8.7                | 104.6                                  | -49.2       |
| 5957.0875       | -16.7                          | -87.5                        | 1.1                                 | 9.6                | 114.4                                  | -59.0       |
| 6808.1000       | -9.2                           | -79.4                        | 1.3                                 | 9.5                | 106.6                                  | -51.2       |
| 7659.1125       | -15.6                          | -84.4                        | 1.4                                 | 9.2                | 112.0                                  | -56.6       |
| 8510.1250       | -17.0                          | -78.1                        | 1.5                                 | 9.4                | 105.6                                  | -50.2       |

**Table 7-49: Field Strength of Spurious Radiation; 860.0000 MHz**

**Fundamental Power Measured = 35.5 dBm; 3.5 W; Limit = 55.4 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1720.0000       | 9.7                            | -65.5                        | 0.4                                 | 6.4                | 95.0                                   | -39.5       |
| 2580.0000       | 9.1                            | -65.8                        | 0.6                                 | 7.4                | 94.5                                   | -39.0       |
| 3440.0000       | -6.6                           | -80.2                        | 0.7                                 | 7.6                | 108.9                                  | -53.4       |
| 4300.0000       | -11.5                          | -82.9                        | 0.9                                 | 8.7                | 110.6                                  | -55.1       |
| 5160.0000       | 0.8                            | -71.3                        | 1.0                                 | 8.6                | 99.1                                   | -43.7       |
| 6020.0000       | -11.9                          | -83.0                        | 1.1                                 | 9.4                | 110.2                                  | -54.8       |
| 6880.0000       | -14.2                          | -84.4                        | 1.3                                 | 9.5                | 111.7                                  | -56.2       |
| 7740.0000       | -16.0                          | -84.8                        | 1.4                                 | 9.3                | 112.4                                  | -57.0       |
| 8600.0000       | -17.8                          | -79.1                        | 1.5                                 | 9.6                | 106.6                                  | -51.2       |

**Table 7-50: Field Strength of Spurious Radiation; 868.9875 MHz**

**Fundamental Power Measured = 35.4 dBm; 3.5 W; Limit = 55.4 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1737.9750       | 9.5                            | -64.8                        | 0.4                                 | 6.5                | 94.2                                   | -38.7       |
| 2606.9625       | 2.0                            | -72.9                        | 0.6                                 | 7.4                | 101.4                                  | -46.0       |
| 3475.9500       | -4.2                           | -77.8                        | 0.7                                 | 7.6                | 106.4                                  | -50.9       |
| 4344.9375       | -1.4                           | -72.9                        | 0.9                                 | 8.8                | 100.4                                  | -45.0       |
| 5213.9250       | 9.5                            | -62.1                        | 1.0                                 | 8.6                | 89.9                                   | -34.4       |
| 6082.9125       | -0.3                           | -71.4                        | 1.2                                 | 9.3                | 98.6                                   | -43.2       |
| 6951.9000       | -5.5                           | -75.3                        | 1.3                                 | 9.5                | 102.5                                  | -47.1       |
| 7820.8875       | -4.3                           | -73.0                        | 1.4                                 | 9.3                | 100.5                                  | -45.1       |
| 8689.8750       | -18.4                          | -80.0                        | 1.5                                 | 9.5                | 107.5                                  | -52.0       |

**Table 7-51: Field Strength of Spurious Radiation; 869.9875 MHz**

**Fundamental Power Measured = 35.4 dBm; 3.5 W; Limit = 55.4 dBc**

| Frequency (MHz) | Spectrum Analyzer Level (dBuV) | Signal Generator Level (dBm) | Cable Loss to Transmit Antenna (dB) | Antenna Gain (dBi) | Corrected Signal Generator Level (dBc) | Margin (dB) |
|-----------------|--------------------------------|------------------------------|-------------------------------------|--------------------|----------------------------------------|-------------|
| 1739.9750       | 9.0                            | -65.3                        | 0.4                                 | 6.5                | 94.7                                   | -39.2       |
| 2609.9625       | 2.9                            | -72.0                        | 0.6                                 | 7.5                | 100.5                                  | -45.1       |
| 3479.9500       | -0.8                           | -74.4                        | 0.7                                 | 7.6                | 103.0                                  | -47.5       |
| 4349.9375       | -1.4                           | -72.9                        | 0.9                                 | 8.8                | 100.4                                  | -45.0       |
| 5219.9250       | 8.5                            | -63.0                        | 1.0                                 | 8.6                | 90.8                                   | -35.4       |
| 6089.9125       | 4.4                            | -66.6                        | 1.2                                 | 9.3                | 93.9                                   | -38.5       |
| 6959.9000       | -0.1                           | -70.2                        | 1.3                                 | 9.5                | 97.3                                   | -41.9       |
| 7829.8875       | -4.6                           | -73.3                        | 1.4                                 | 9.3                | 100.8                                  | -45.4       |
| 8699.8750       | -16.9                          | -78.5                        | 1.6                                 | 9.4                | 106.0                                  | -50.6       |

### 7.3.2 Digital/Receiver Radiated Emissions

**Table 7-52: Digital/Receiver Radiated Emissions**

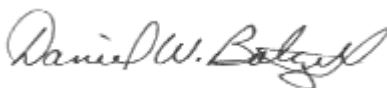
| Emission Frequency (MHz) | Analyzer Reading (dBuV) | Site Correction Factor (dB/m) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Pass/Fail |
|--------------------------|-------------------------|-------------------------------|-------------------------|----------------|-------------|-----------|
| 37.634                   | 0.8                     | 17.2                          | 18.0                    | 40.0           | -22.0       | Pass      |
| 38.244                   | 0.9                     | 16.8                          | 17.7                    | 40.0           | -22.3       | Pass      |
| 50.135                   | 1.5                     | 11.3                          | 12.8                    | 40.0           | -27.2       | Pass      |
| 51.006                   | 2.5                     | 11.1                          | 13.6                    | 40.0           | -26.4       | Pass      |
| 137.596                  | 0.9                     | 14.5                          | 15.4                    | 43.5           | -28.1       | Pass      |
| 487.500                  | -2.5                    | 25.2                          | 22.7                    | 46.0           | -23.3       | Pass      |
| 585.000                  | 1.0                     | 27.2                          | 28.2                    | 46.0           | -17.8       | Pass      |
| 682.500                  | -2.8                    | 29.7                          | 26.9                    | 46.0           | -19.1       | Pass      |
| 780.000                  | 0.4                     | 29.4                          | 29.8                    | 46.0           | -16.2       | Pass      |
| 975.000                  | -2.9                    | 31.4                          | 28.5                    | 54.0           | -25.5       | Pass      |
| 1072.500                 | 2.7                     | 33.2                          | 35.9                    | 54.0           | -18.1       | Pass      |
| 1170.000                 | 4.7                     | 32.3                          | 37.0                    | 54.0           | -17.0       | Pass      |
| 1267.500                 | 2.8                     | 33.1                          | 35.9                    | 54.0           | -18.1       | Pass      |
| 1365.000                 | 4.4                     | 34.6                          | 39.0                    | 54.0           | -15.0       | Pass      |

**Table 7-53: Test Equipment Used For Testing Field Strength of Spurious Radiation**

| RTL Asset # | Manufacturer            | Model             | Part Type                             | Serial Number | Calibration Due Date |
|-------------|-------------------------|-------------------|---------------------------------------|---------------|----------------------|
| 900878      | Rhein Tech Laboratories | AM3-1197-0005     | 3 meter antenna mast, polarizing      | OATS1         | N/A                  |
| 901729      | Insulated Wire Inc.     | KPS-1503-3150-KPR | SMK RF Cables 20'                     | NA            | 10/29/21             |
| 901242      | Rhein Tech Laboratories | WRT-000-0003      | Wood rotating table                   | N/A           | N/A                  |
| 901581      | Rohde & Schwarz         | FSU               | Spectrum Analyzer                     | 1166.1660.50  | 4/26/21              |
| 901582      | Rohde & Schwarz         | 1167.0000.02      | Signal Generator                      | 101903        | 4/24/21              |
| 901669      | ETS-Lindgren            | 3142E             | Biconilog Antenna (30 MHz – 6000 MHz) | 00166065      | 4/24/22              |
| 900321      | EMCO                    | 3161-03           | Horn Antennas (4 – 8 GHz)             | 9508-1020     | 5/17/21              |
| 900323      | EMCO                    | 3160-07           | Horn Antennas (8.2 – 12 GHz)          | 9605-1054     | 5/17/21              |
| 900772      | EMCO                    | 3161-02           | Horn Antenna (2 - 4 GHz)              | 9804-1044     | 5/17/21              |
| 901128      | Par Electronics         | 806-902 (25W)     | UHF Notch Filter                      | N/A           | 9/14/21              |
| 901129      | Par Electronics         | 188-174 (25W)     | VHF Notch Filters                     | N/A           | 9/14/21              |
| 901135      | Par Electronics         | 400-512 (25W)     | UHF Notch Filter                      | N/A           | 9/14/21              |

**Test Personnel:**

Daniel W. Baltzell  
 Test Engineer



Signature

February 28, 2021  
 Date of Tests

**8 FCC Part 2.1049(c)(1): Occupied Bandwidth; Part 90.210 Authorized Bandwidth; Part 74.462: Authorized Bandwidth and Emissions; Part 80.205: Bandwidths; §80.211: Emission Limitations; ISED RSS-119 5.5: Channel Bandwidth, Authorized Bandwidth, Occupied Bandwidth and Spectrum Masks**

**8.1 Test Procedure**

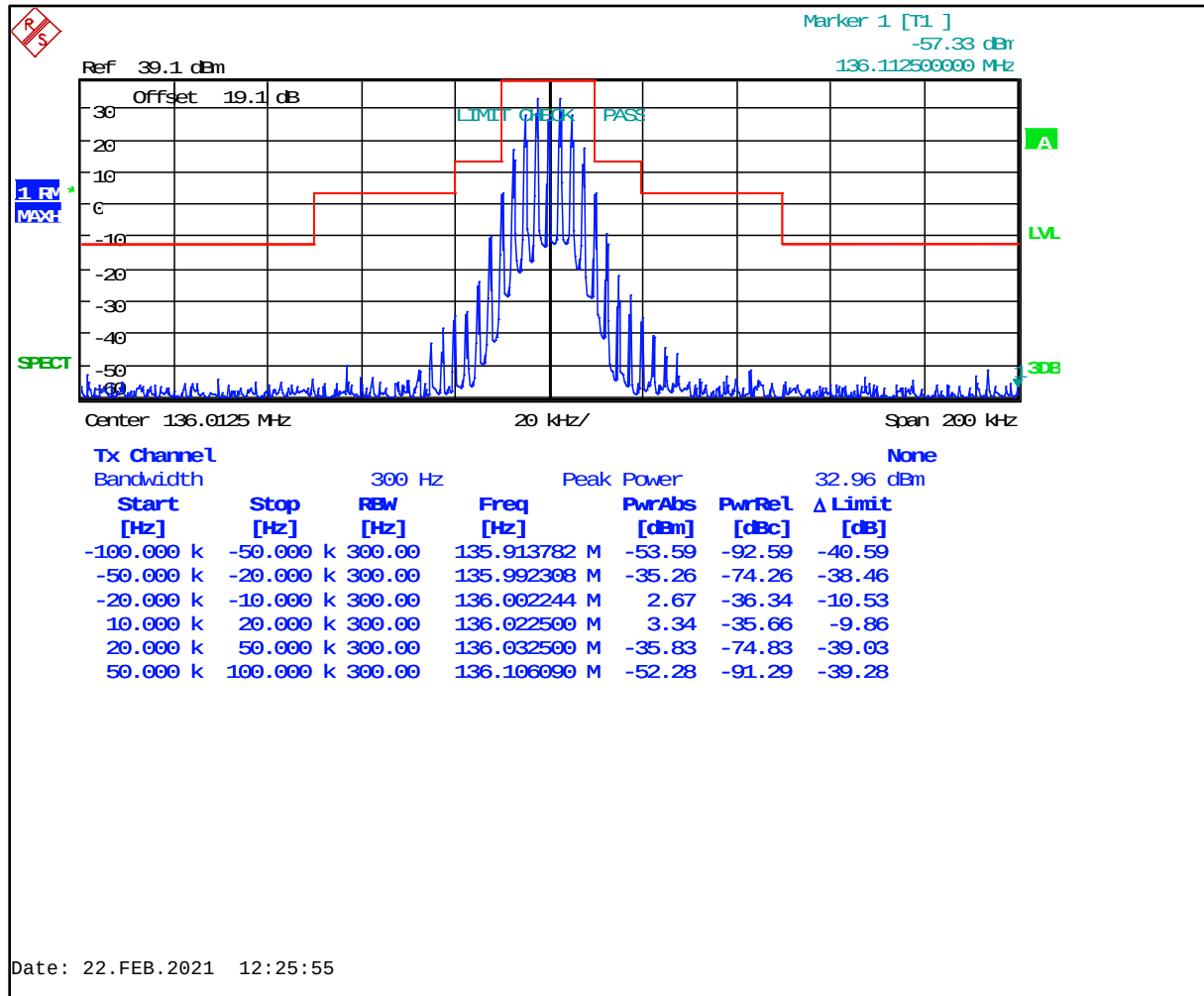
ANSI C63.26 5.4

Device with digital modulation: Modulated to its maximum extent using a pseudo-random data sequence.

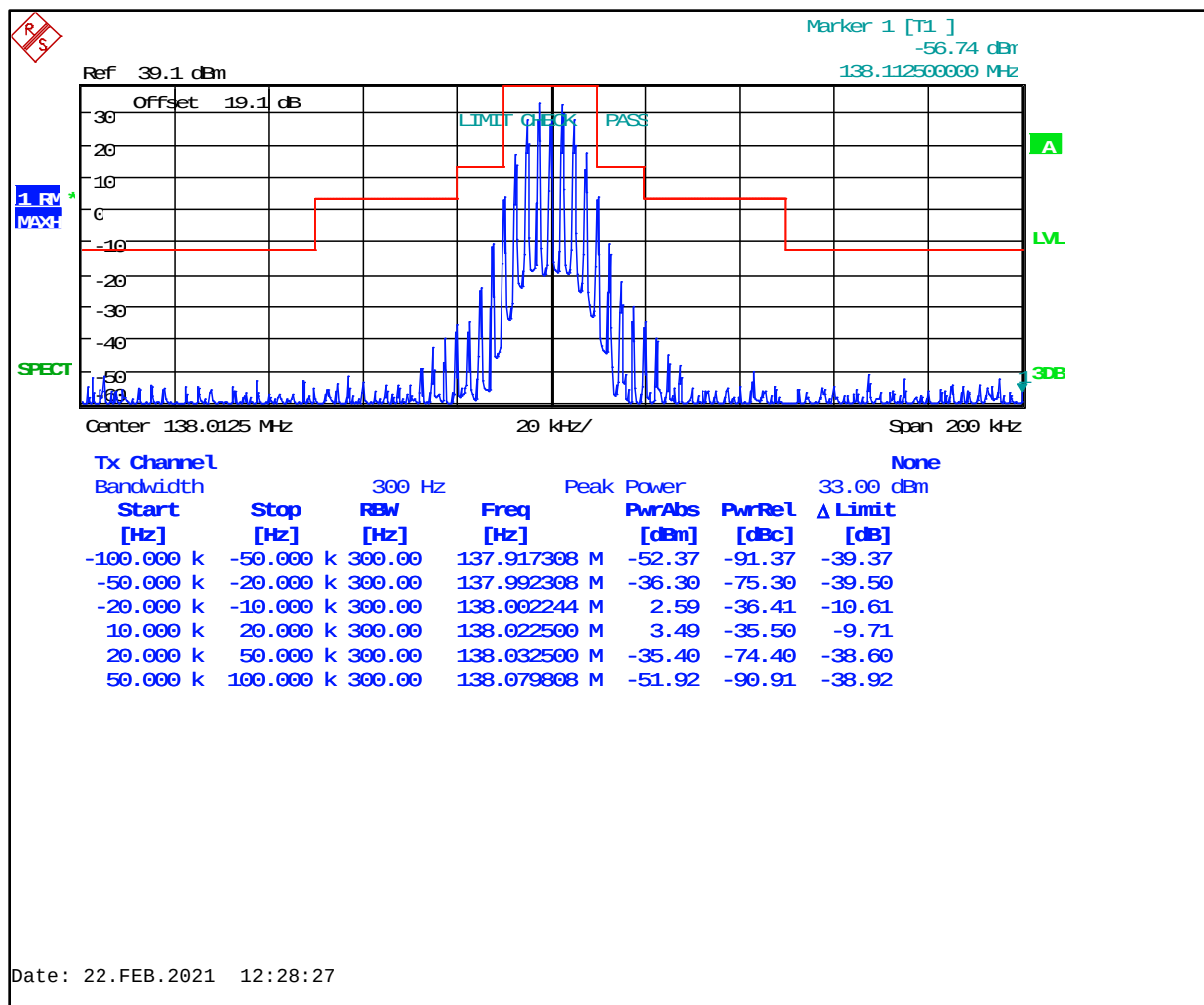
| Applicable FCC Emission Masks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                               |                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------|
| Frequency Band (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mask for Equipment with Audio Low Pass Filter | Mask for Equipment Without Audio Low Pass Filter |
| Below 25 <sup>1</sup> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A or B                                        | A or C                                           |
| 25–50.....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B                                             | C                                                |
| 72–76.....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B                                             | C                                                |
| 150–174 <sup>2</sup> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B, D, or E                                    | C, D, or E                                       |
| 150 Paging-only .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                                             | C                                                |
| 220–222 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | F                                             | F                                                |
| 421–512 <sup>2</sup> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B, D, or E                                    | C, D, or E                                       |
| 450 Paging-only .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                                             | G                                                |
| 806–809/851–854 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B                                             | H                                                |
| 809–824/854–869 <sup>3</sup> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B                                             | G                                                |
| 896–901/935–940 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | I                                             | J                                                |
| 902–928 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | K                                             | K                                                |
| 929–930 .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | B                                             | G                                                |
| 4940–4990 MHz .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | L or M                                        | L or M                                           |
| 5850–5925 <sup>4</sup> .....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                               |                                                  |
| All other bands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | B                                             | C                                                |
| <p>1 Equipment using single sideband J3E emission must meet the requirements of Emission Mask A. Equipment using other emissions must meet the requirements of Emission Mask B or C, as applicable.</p> <p>2 Equipment designed to operate with a 25 kHz channel bandwidth must meet the requirements of Emission Mask B or C, as applicable. Equipment designed to operate with a 12.5 kHz channel bandwidth must meet the requirements of Emission Mask D, and equipment designed to operate with a 6.25 kHz channel bandwidth must meet the requirements of Emission Mask E.</p> <p>3 Equipment used in this licensed to EA or non-EA systems shall comply with the emission mask provisions of § 90.691.</p> <p>4 DSRCS Roadside Units equipment in the 5850–5925 MHz band is governed under subpart M of this part.</p> |                                               |                                                  |

## 8.2 Test Data

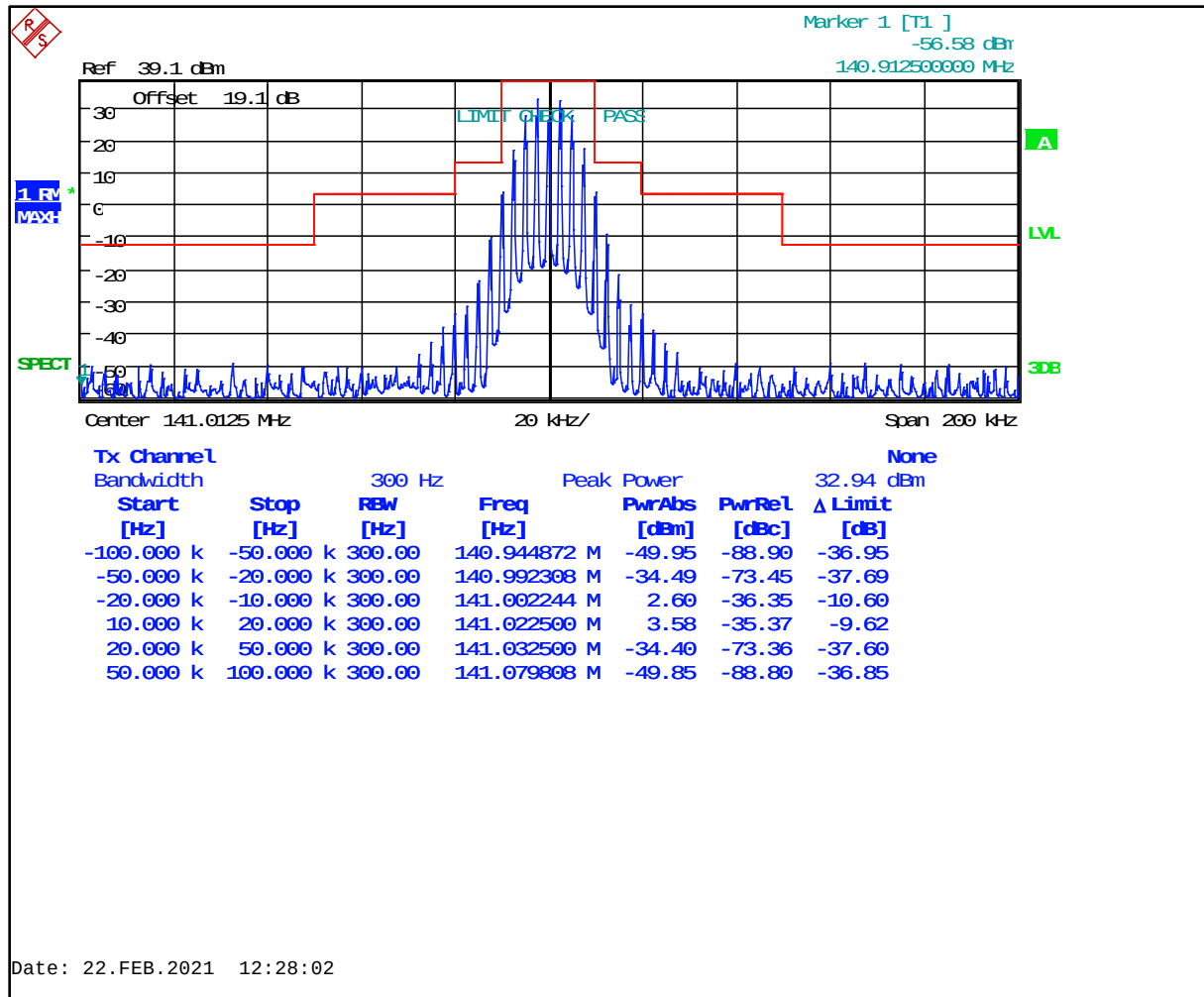
Plot 8-1: Occupied Bandwidth – 136.0125 MHz; Wideband Analog; Mask B



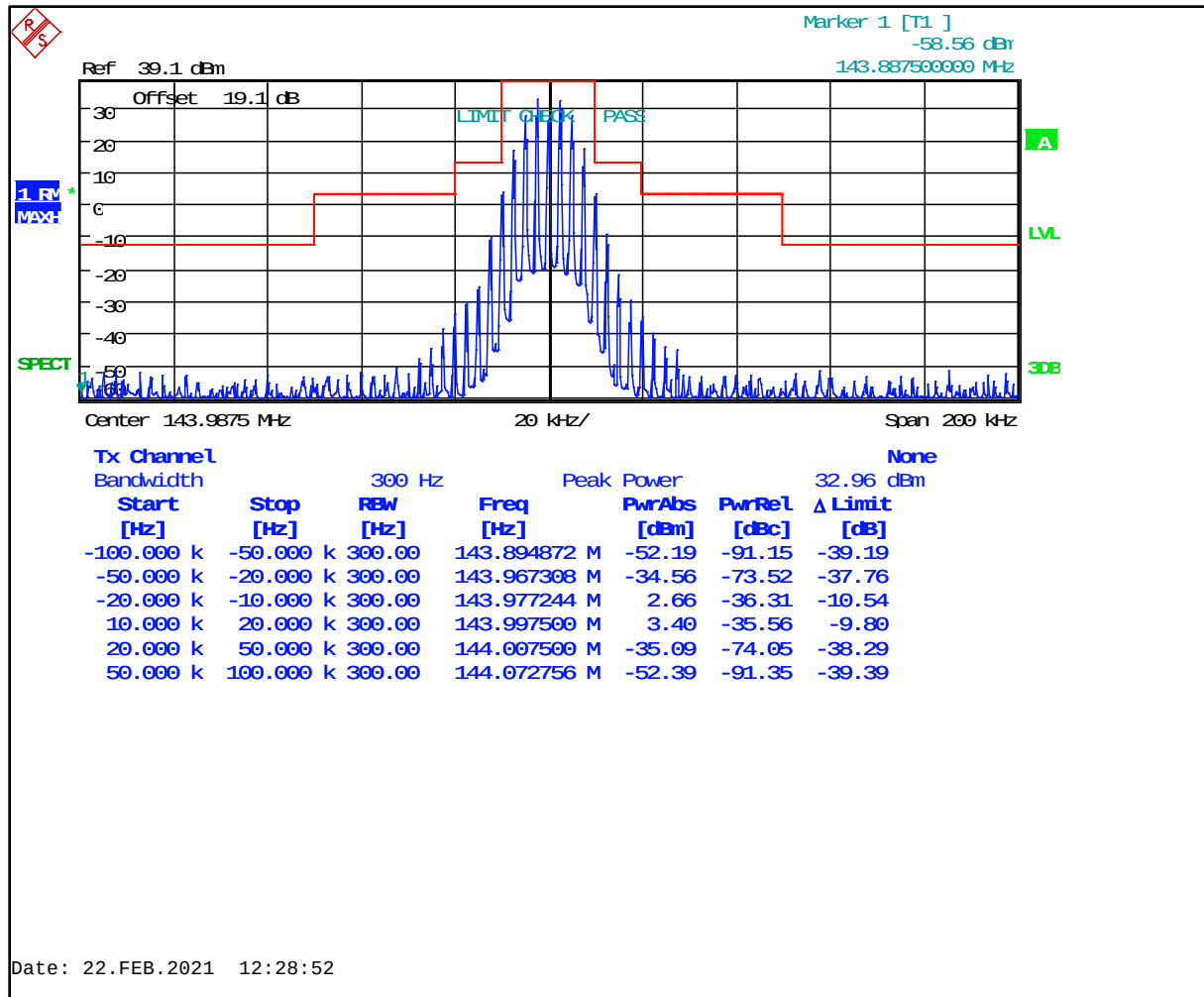
**Plot 8-2: Occupied Bandwidth – 138.0125 MHz; Wideband Analog; Mask B**



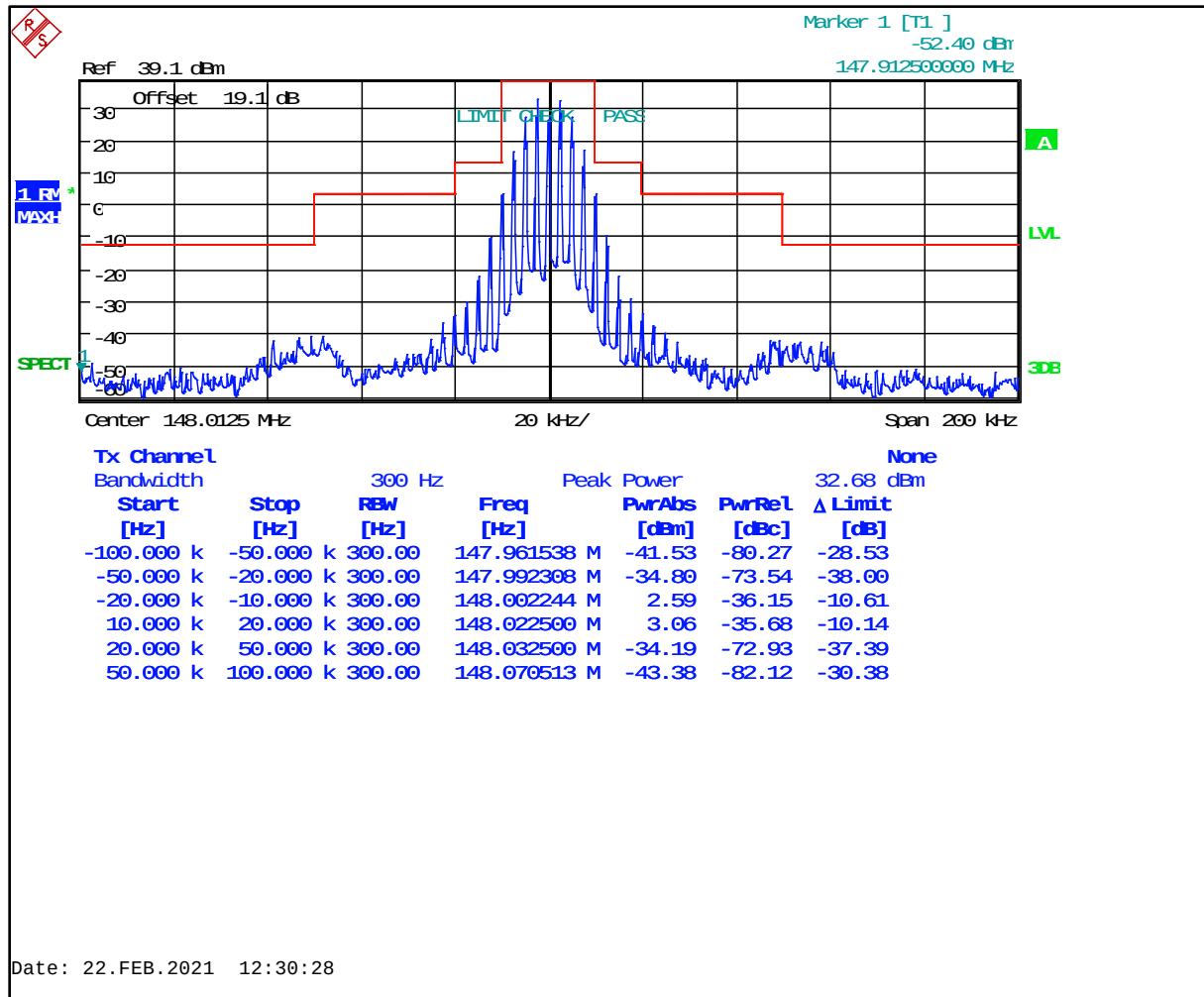
**Plot 8-3: Occupied Bandwidth – 141.0125 MHz; Wideband Analog; Mask B**



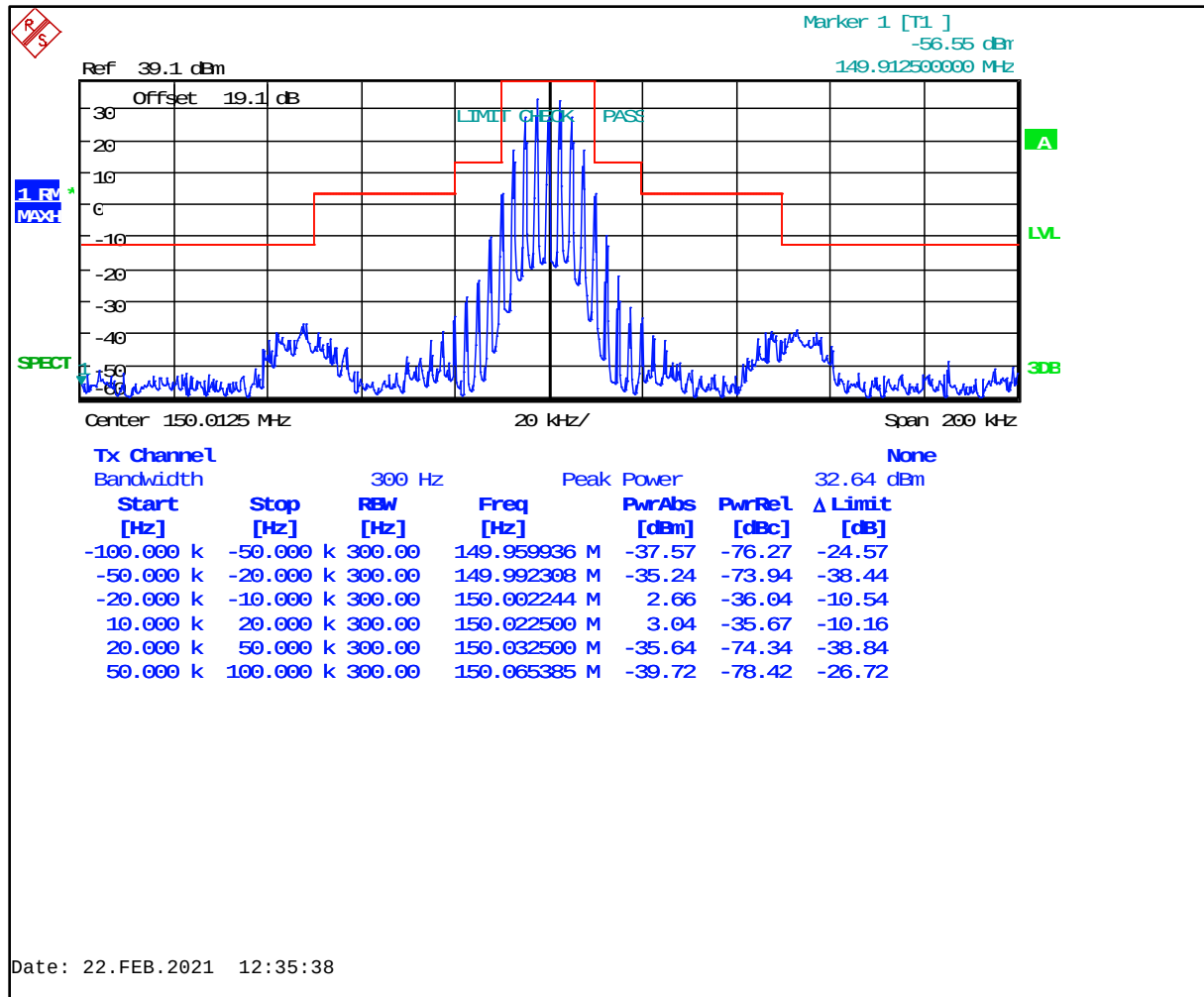
**Plot 8-4: Occupied Bandwidth – 143.9875 MHz; Wideband Analog; Mask B**



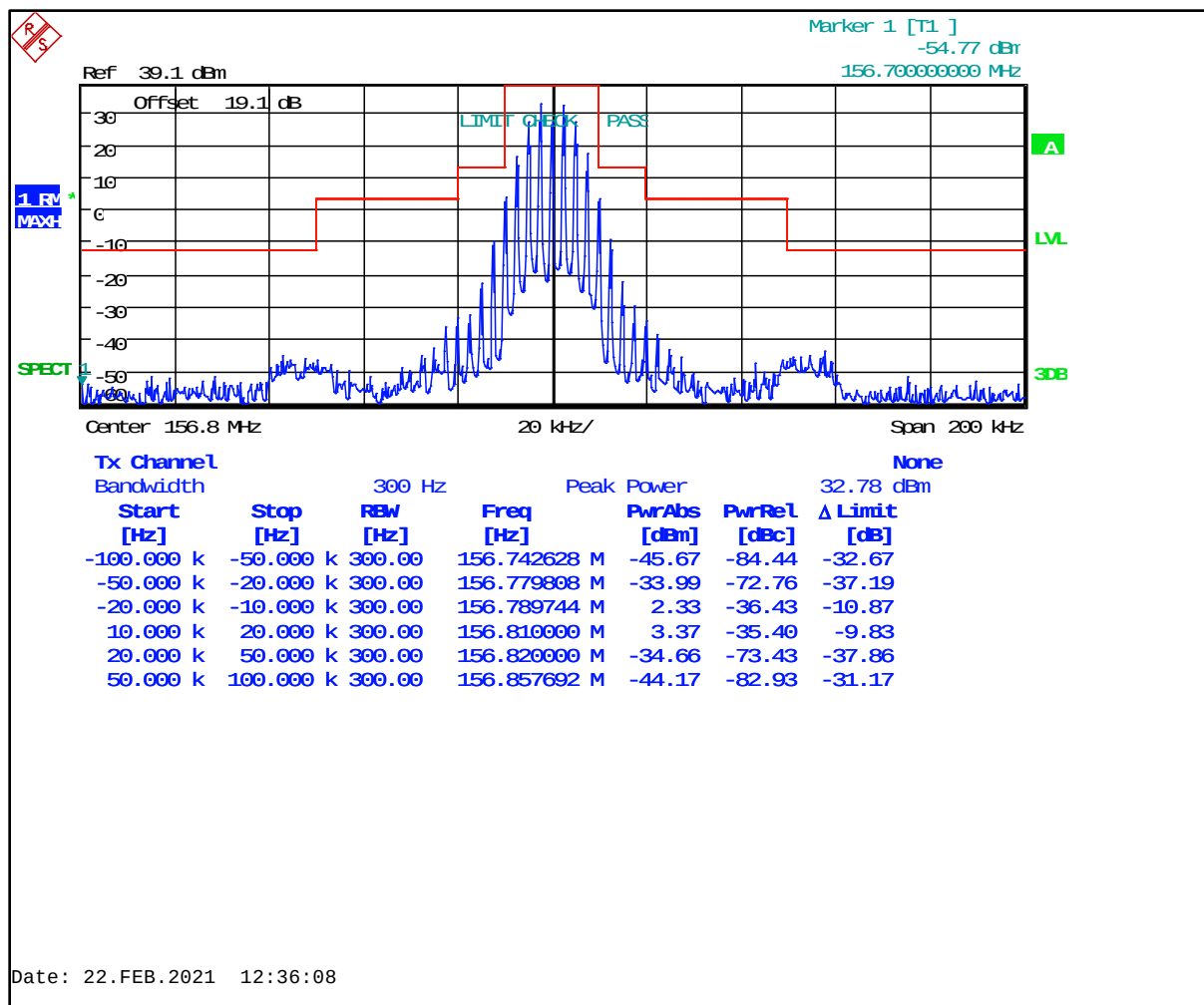
**Plot 8-5: Occupied Bandwidth – 148.0125 MHz; Wideband Analog; Mask B**



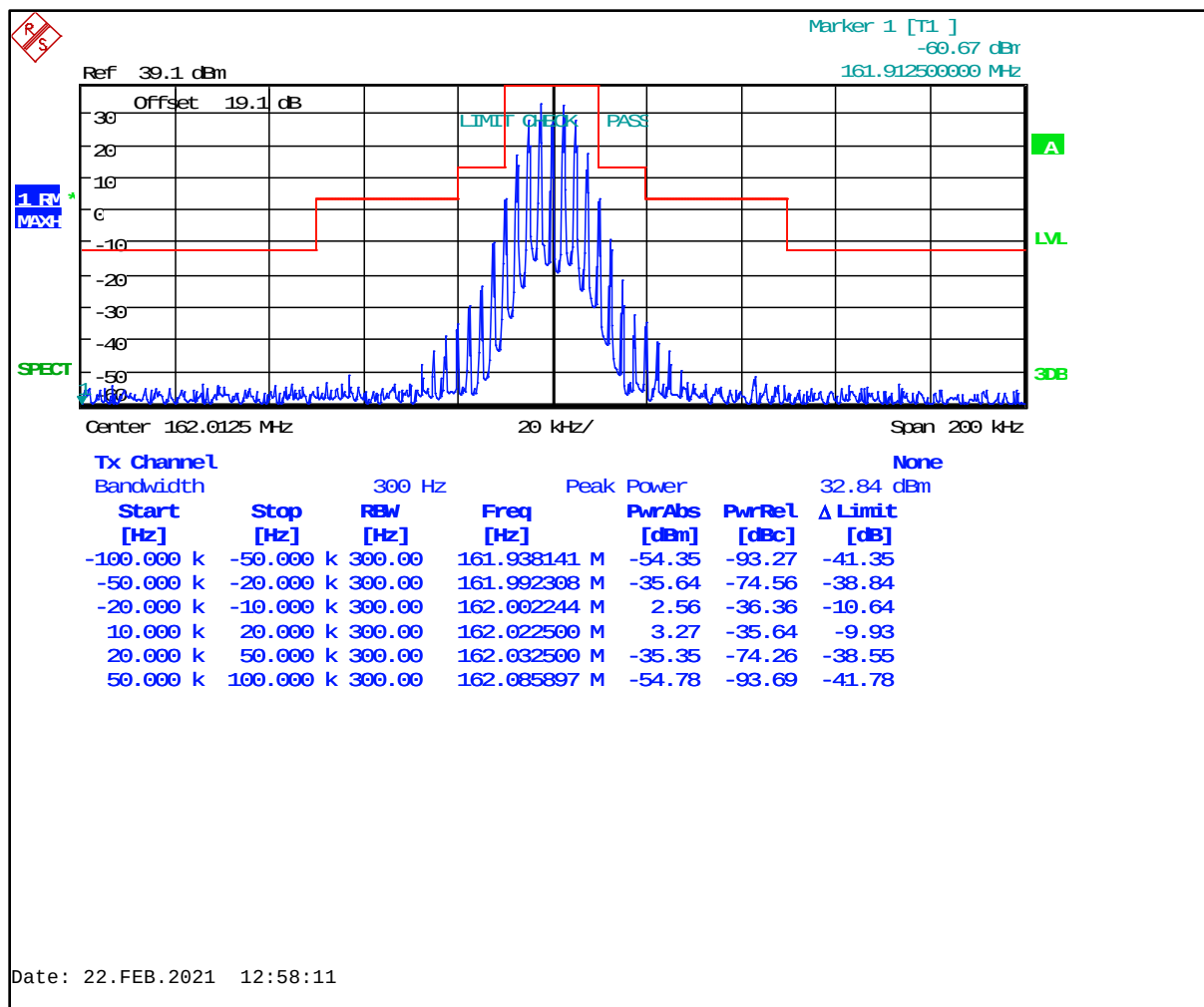
**Plot 8-6: Occupied Bandwidth – 150.0125 MHz; Wideband Analog; Mask B**



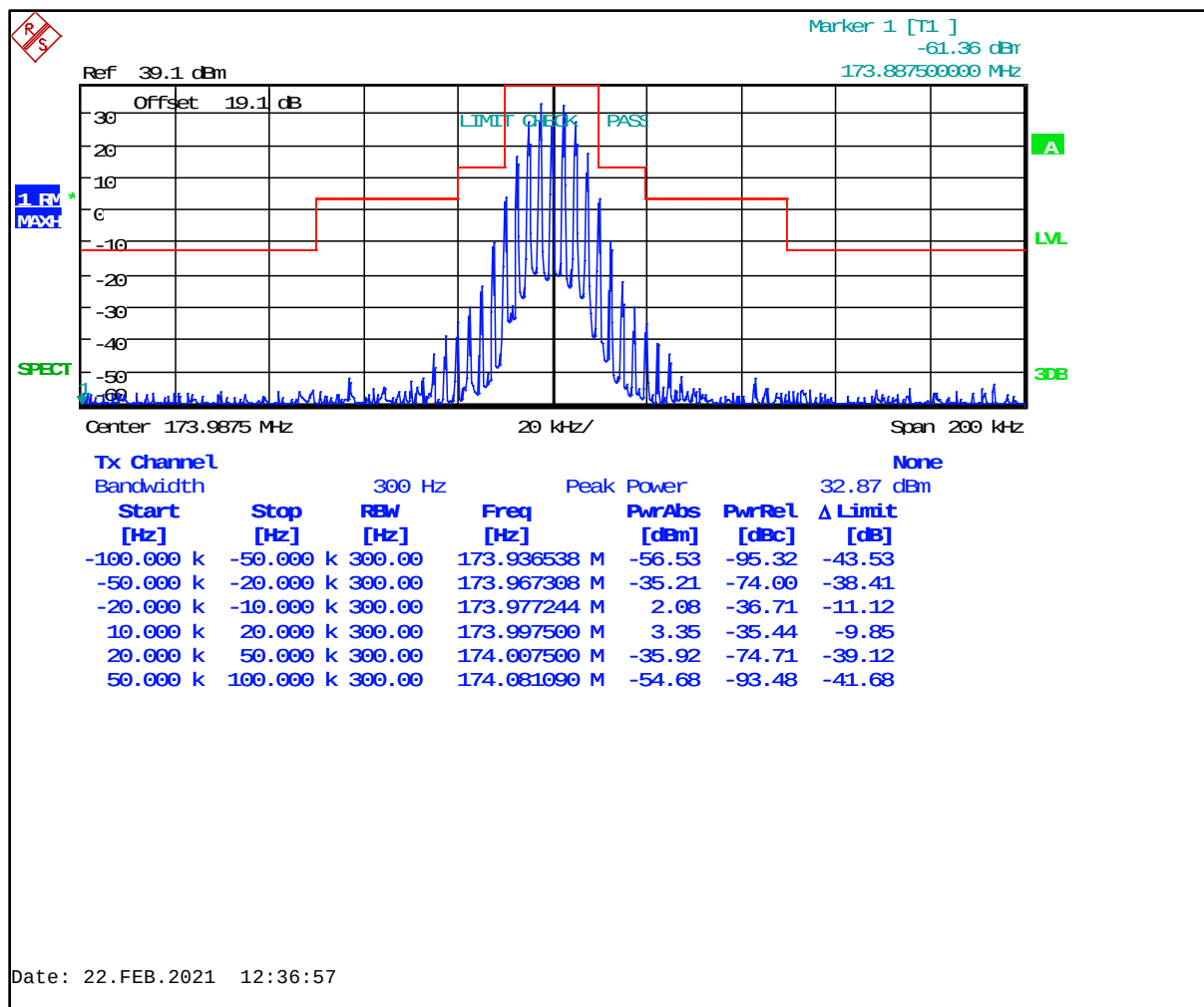
**Plot 8-7: Occupied Bandwidth – 156.8000 MHz; Wideband Analog; Mask B**



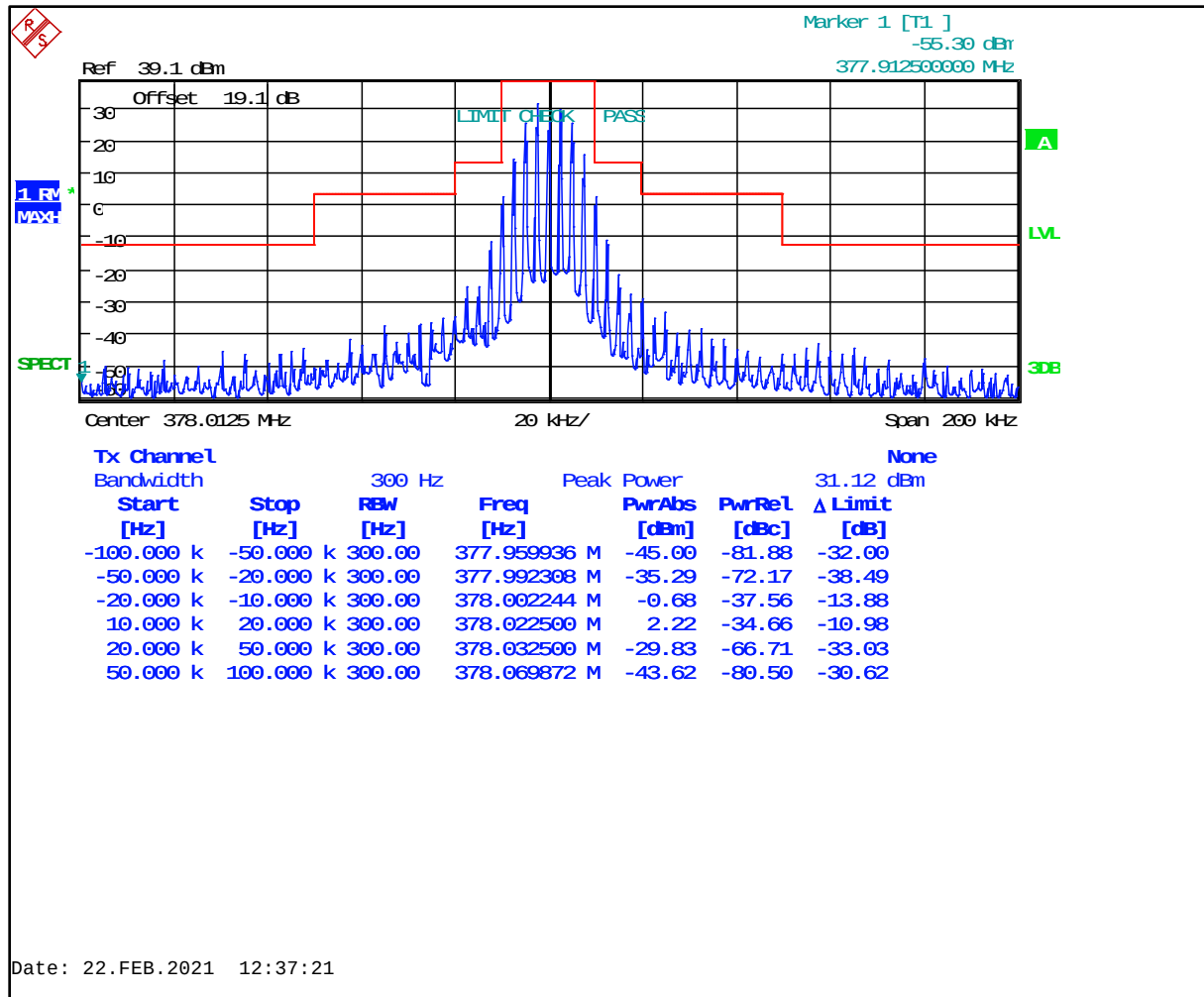
**Plot 8-8: Occupied Bandwidth – 162.0125 MHz; Wideband Analog; Mask B**



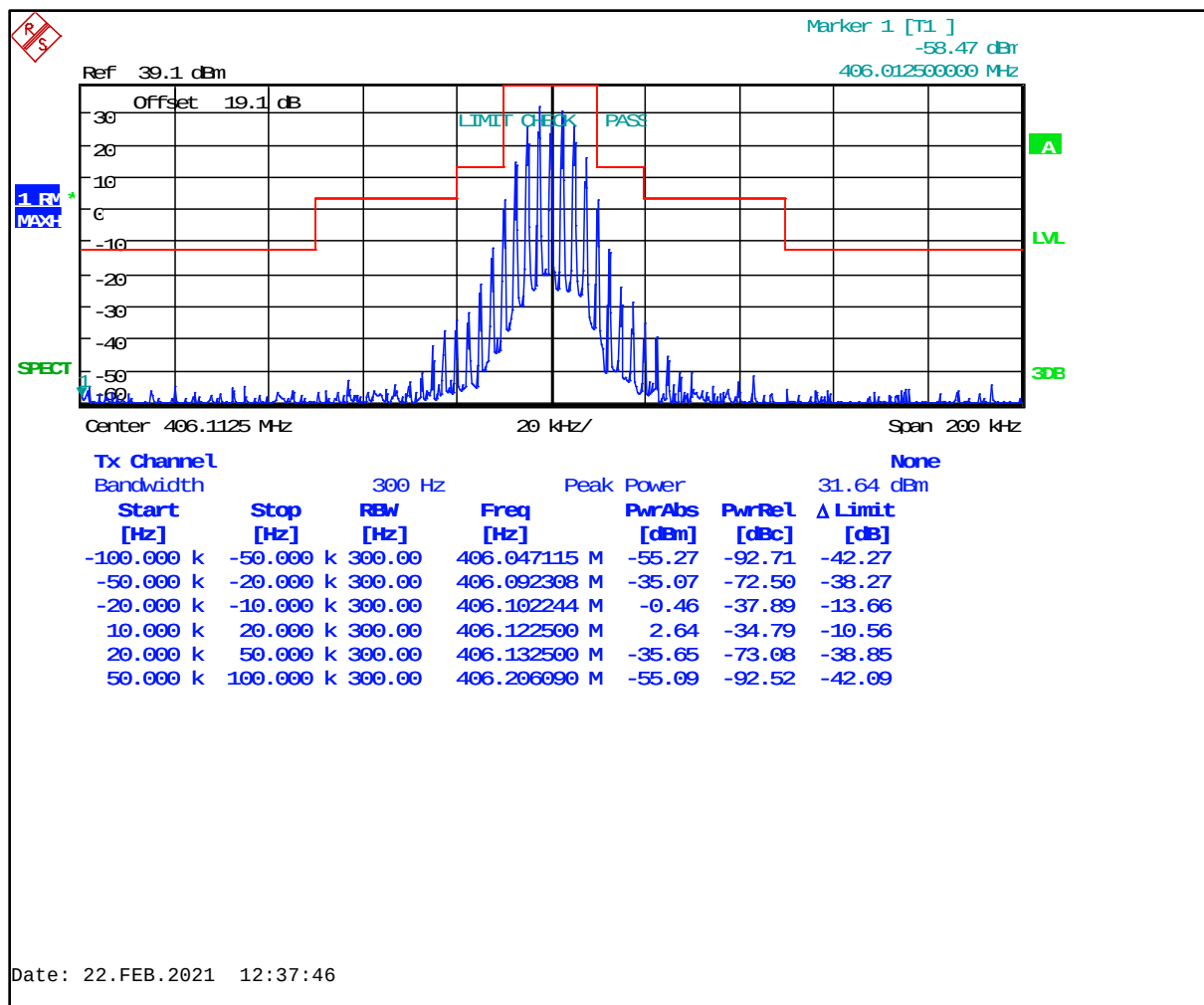
**Plot 8-9: Occupied Bandwidth – 173.9875 MHz; Wideband Analog; Mask B**



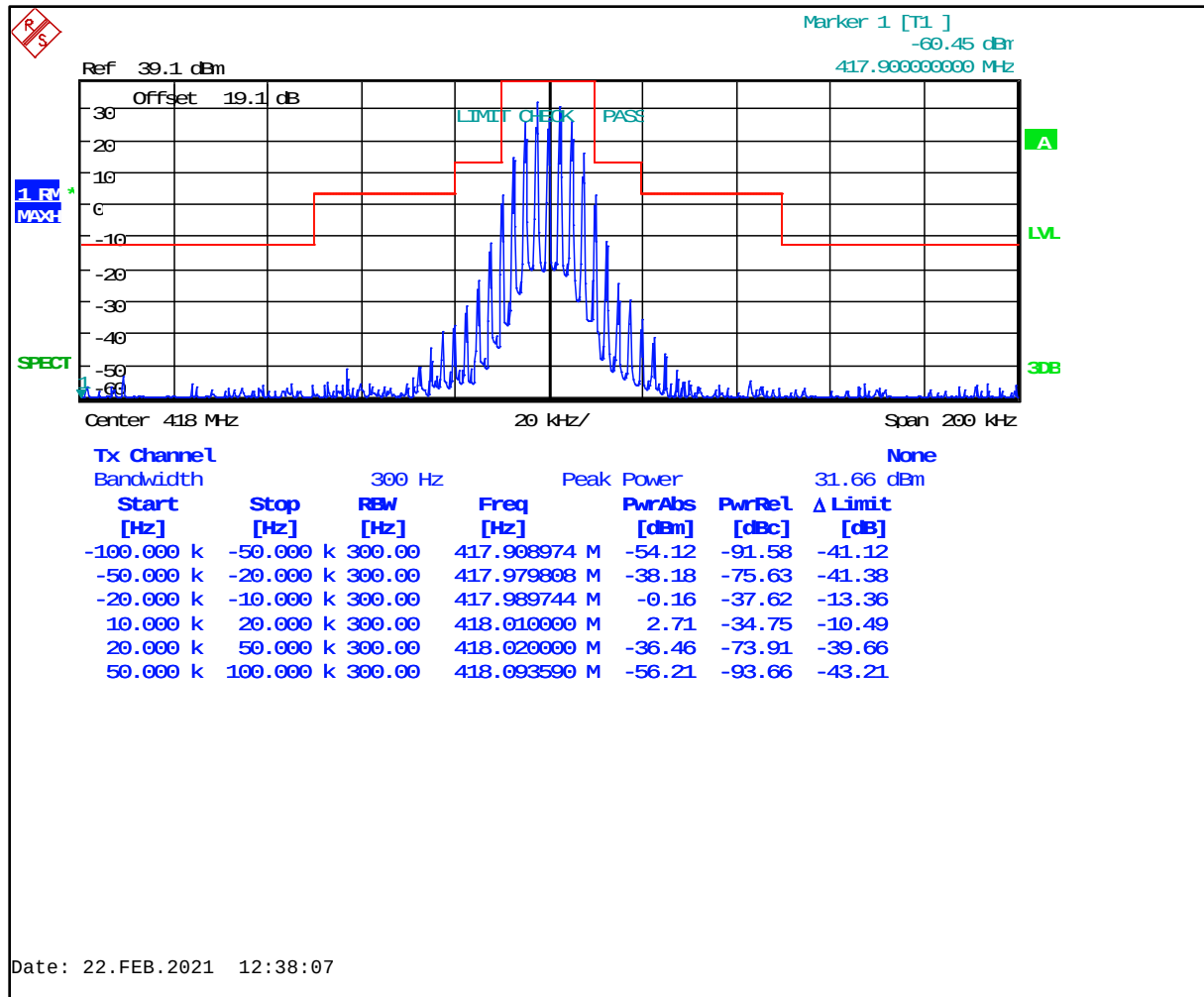
**Plot 8-10: Occupied Bandwidth – 378.0125 MHz; Wideband Analog; Mask B**



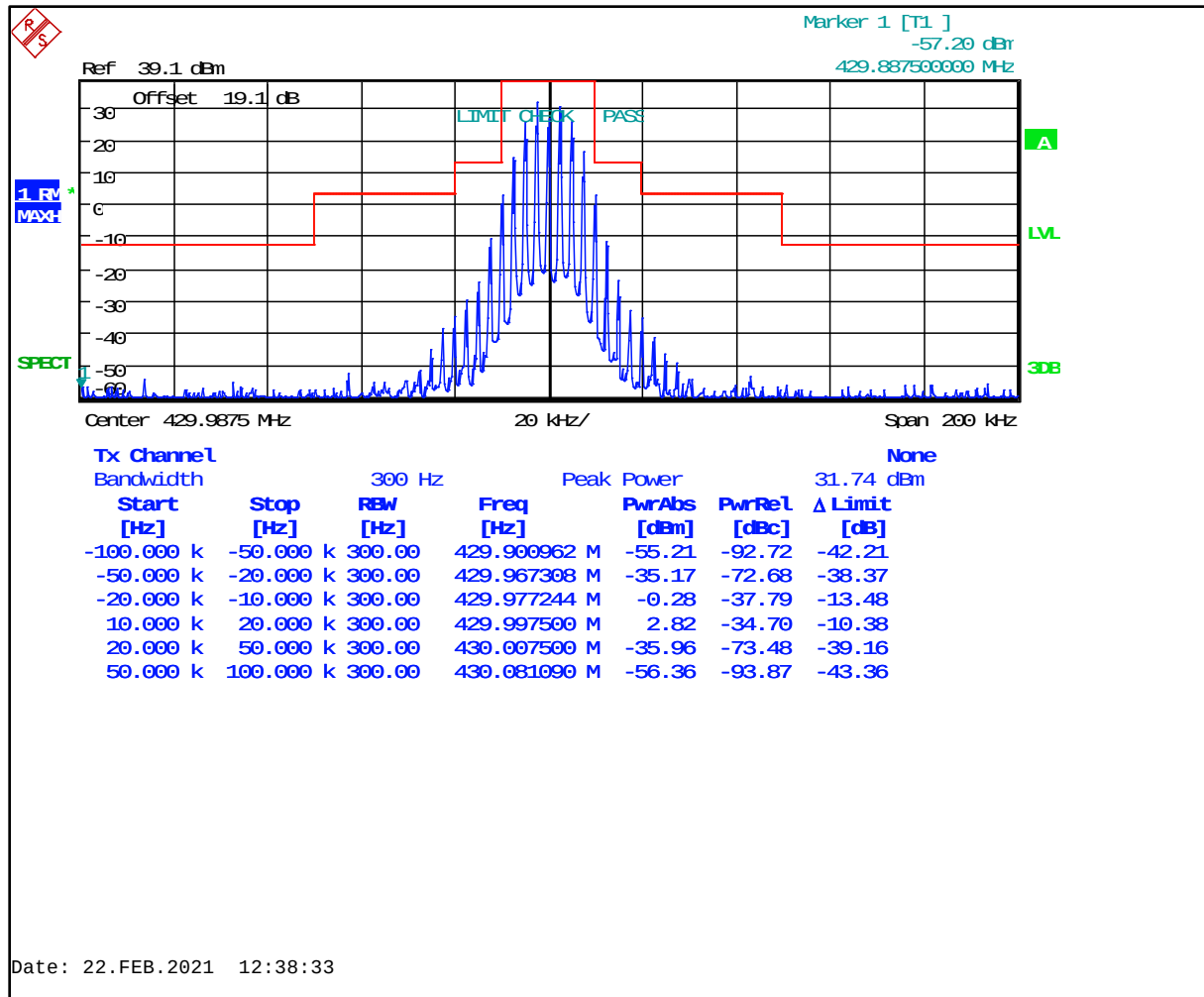
**Plot 8-11: Occupied Bandwidth – 406.1125 MHz; Wideband Analog; Mask B**



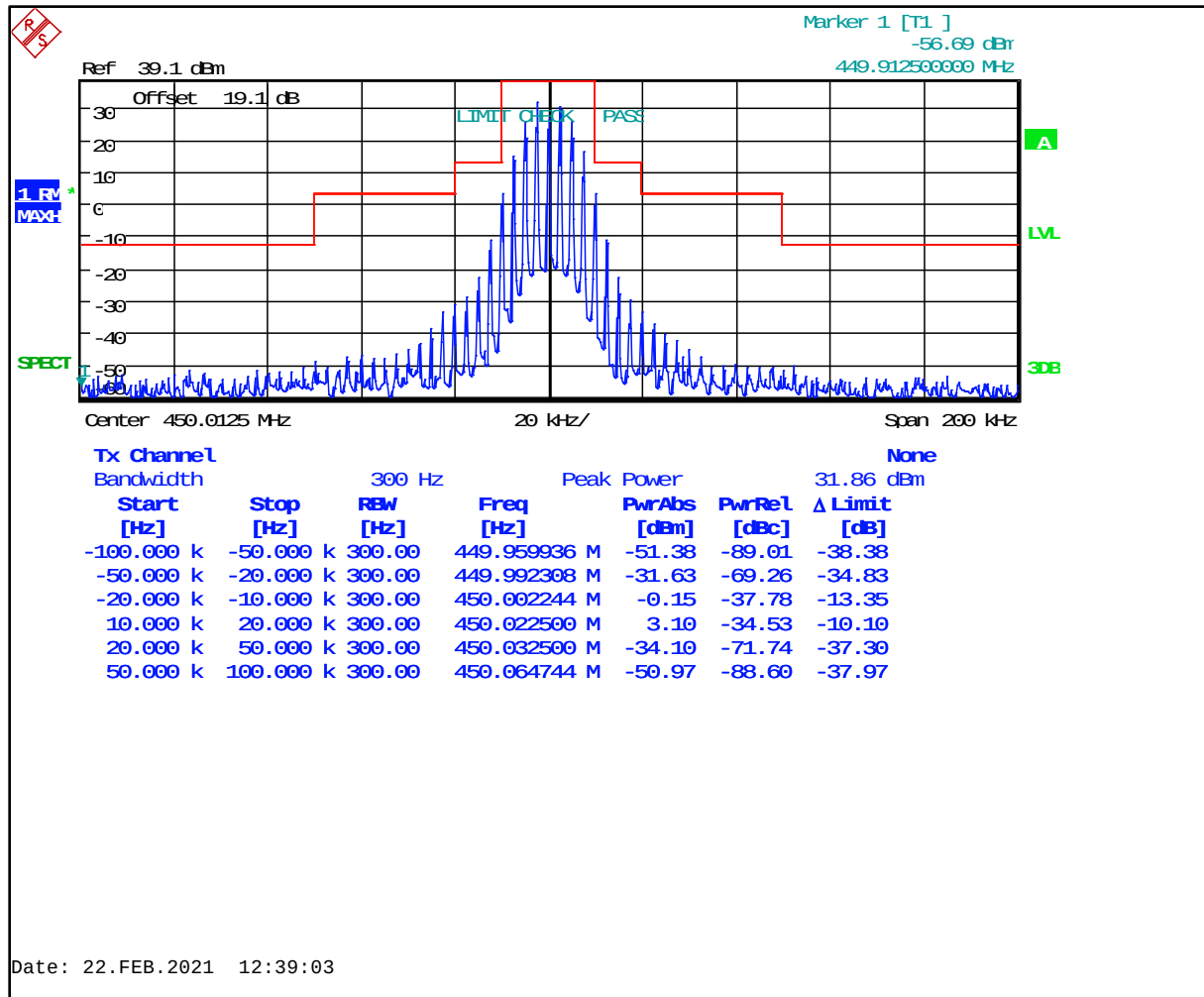
**Plot 8-12: Occupied Bandwidth – 418.0000 MHz; Wideband Analog; Mask B**



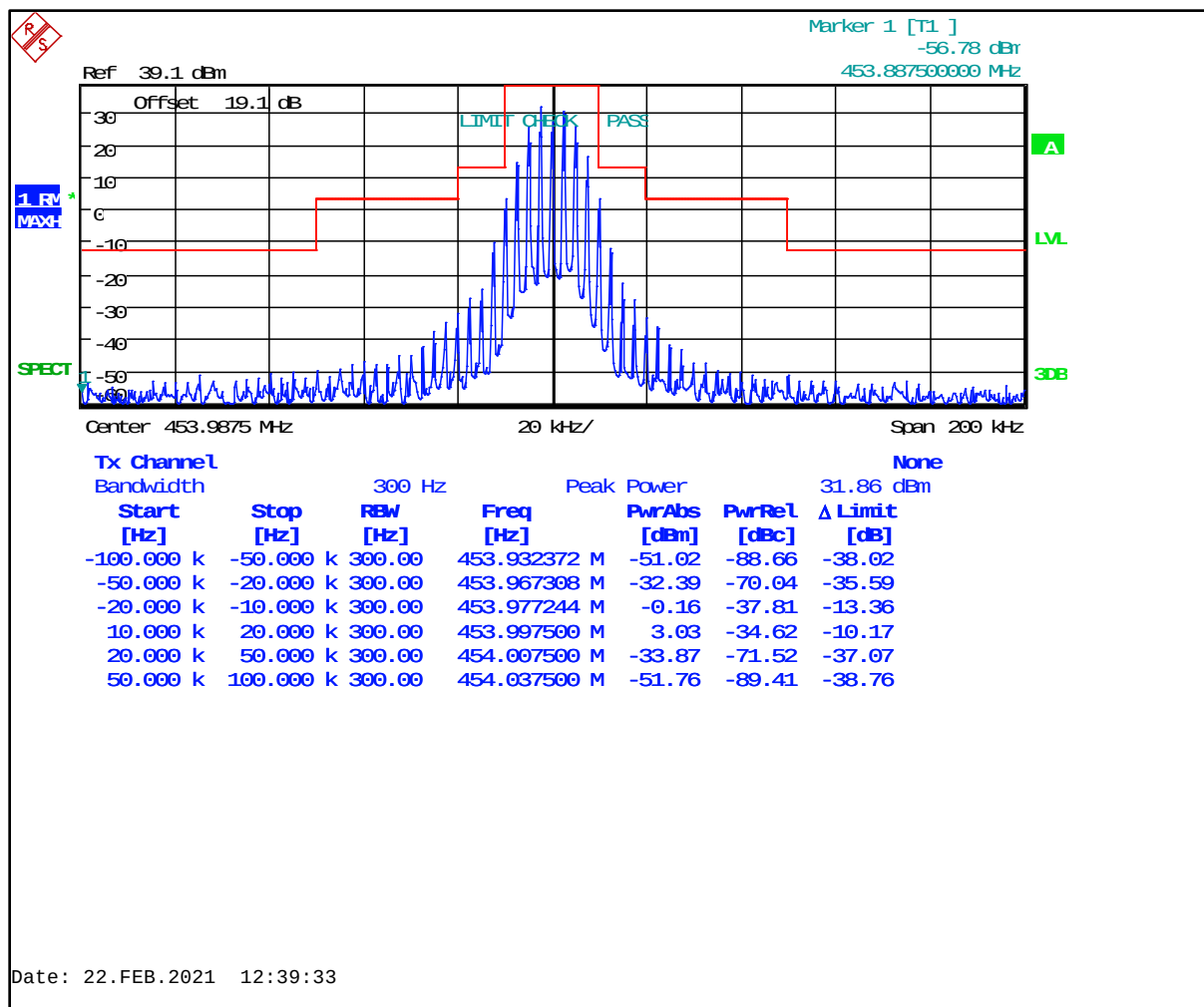
**Plot 8-13: Occupied Bandwidth – 429.9875 MHz; Wideband Analog; Mask B**



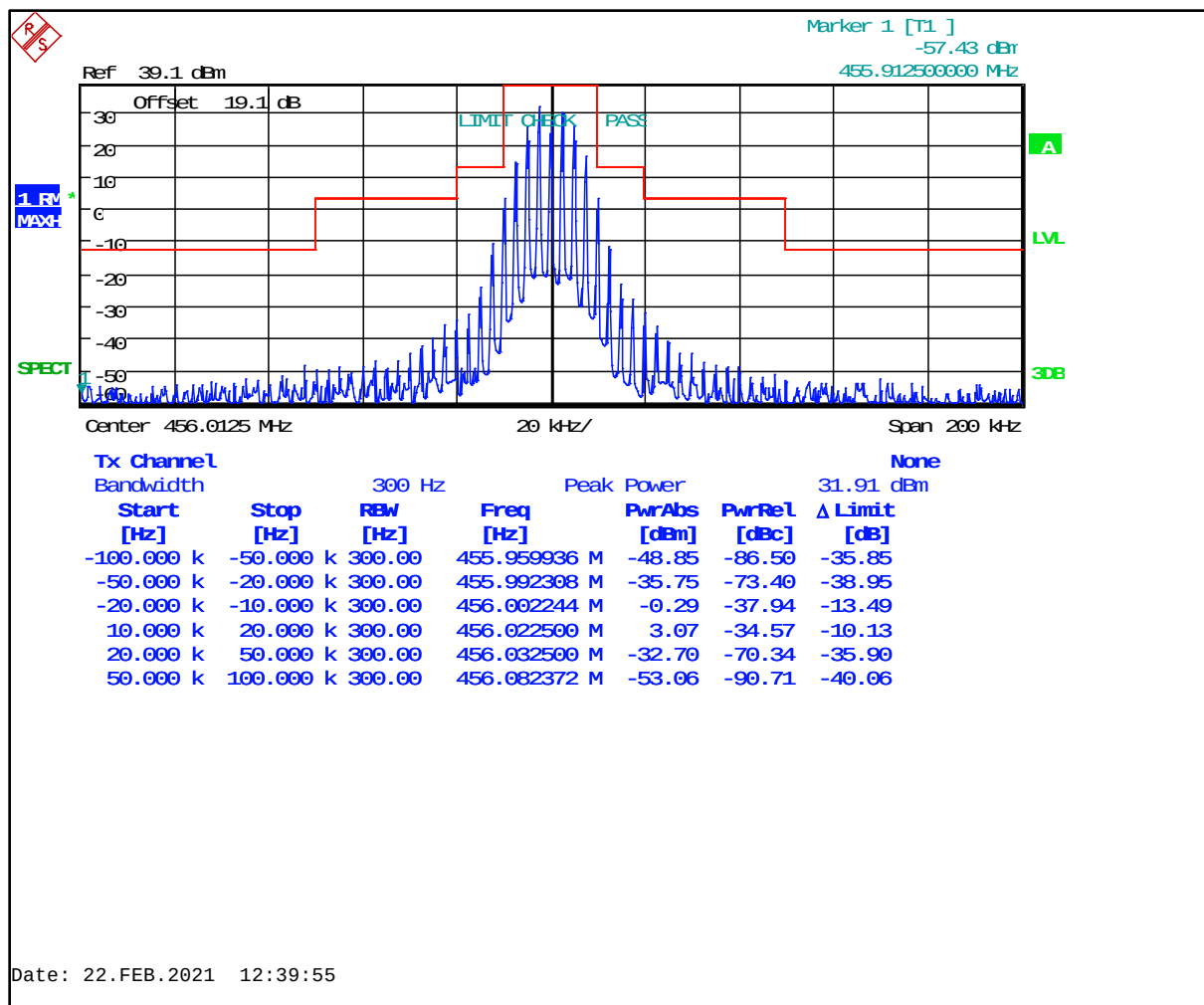
**Plot 8-14: Occupied Bandwidth – 450.0125 MHz; Wideband Analog; Mask B**



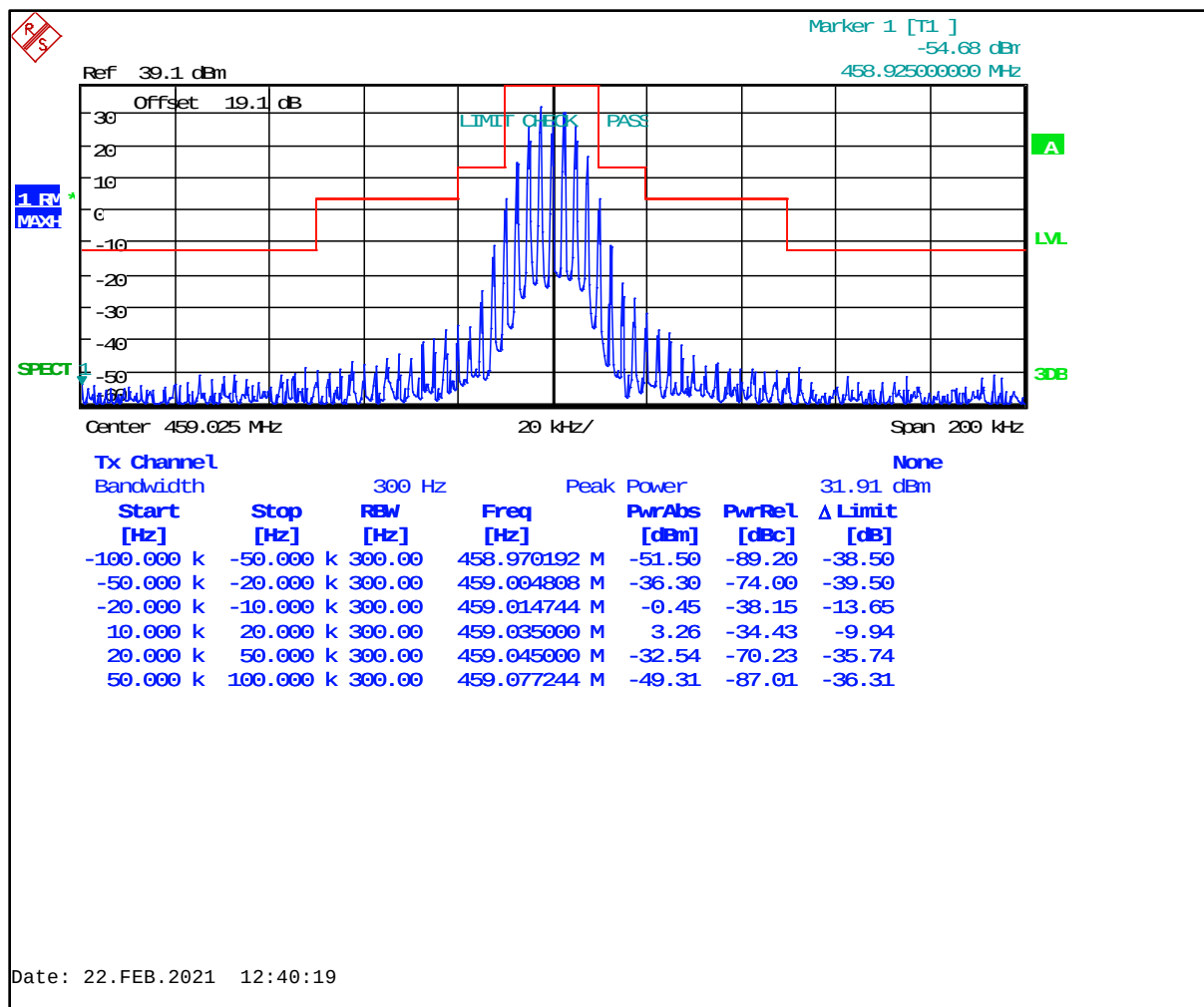
**Plot 8-15: Occupied Bandwidth – 453.9875 MHz; Wideband Analog; Mask B**



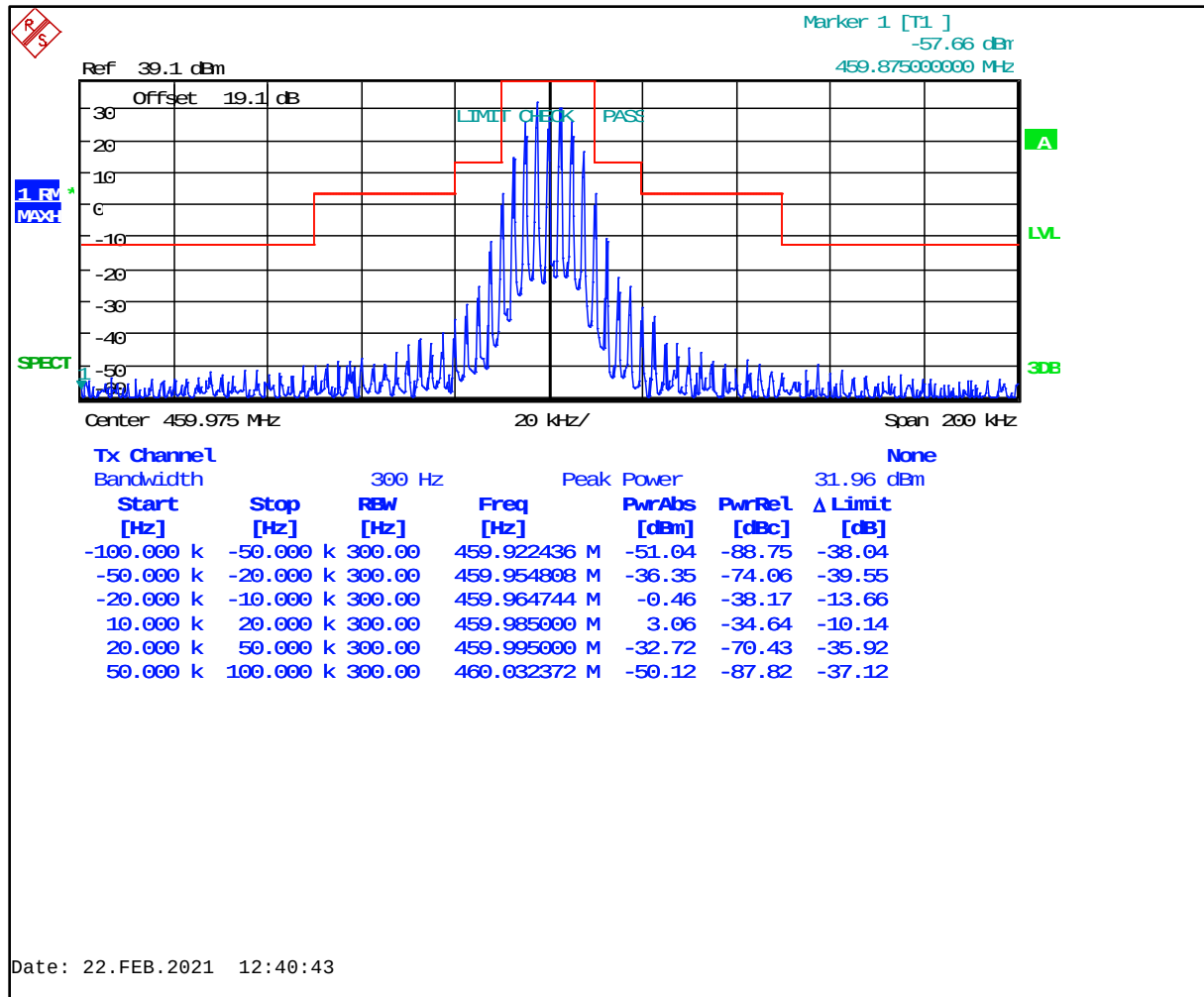
**Plot 8-16: Occupied Bandwidth – 456.0125 MHz; Wideband Analog; Mask B**



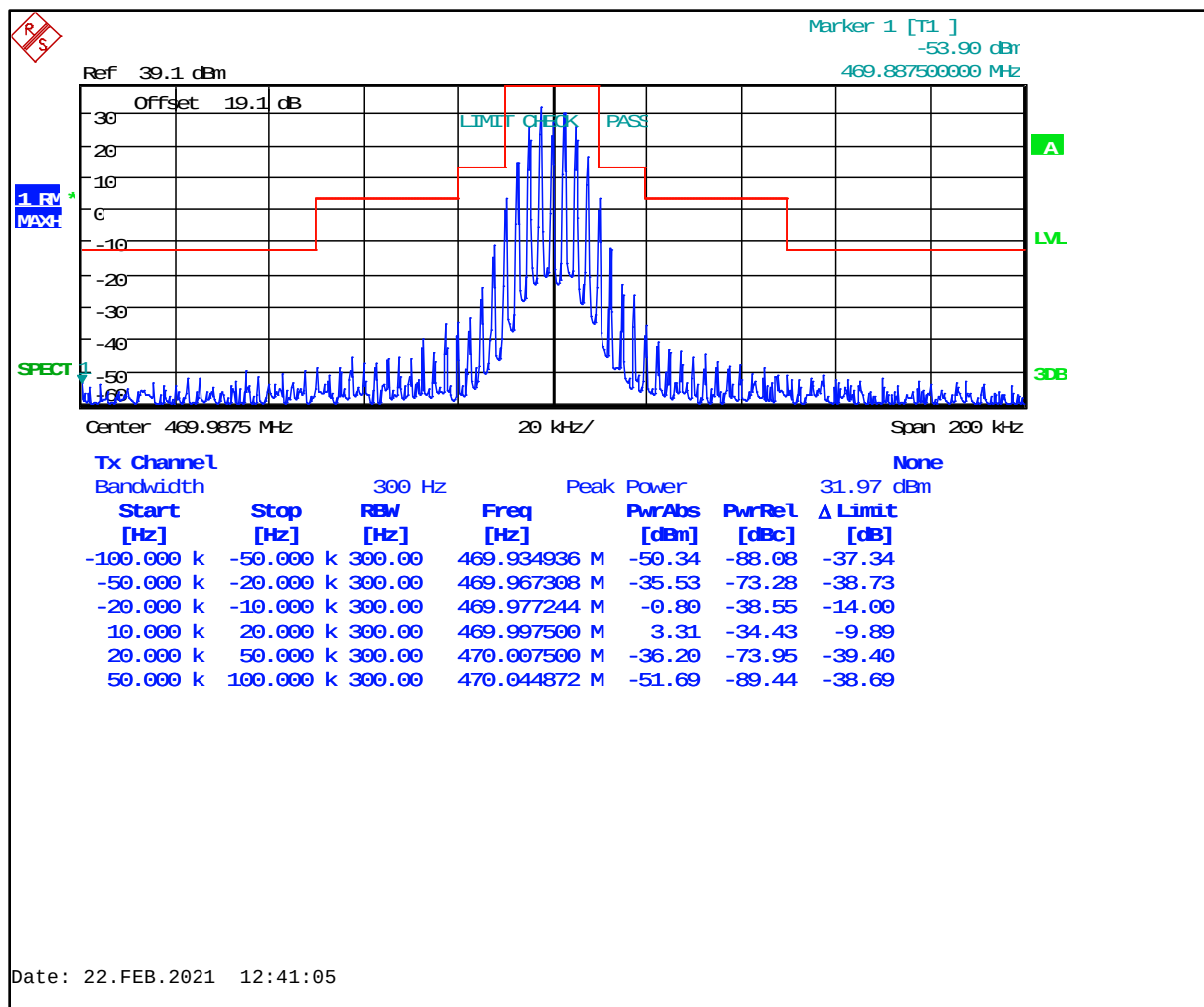
**Plot 8-17: Occupied Bandwidth – 459.0250 MHz; Wideband Analog; Mask B**



**Plot 8-18: Occupied Bandwidth – 459.9750 MHz; Wideband Analog; Mask B**



**Plot 8-19: Occupied Bandwidth – 469.9875 MHz; Wideband Analog; Mask B**



Ref 39.1 dBm

Marker 1 [T1]  
-53.90 dBm  
469.887500000 MHz

Offset 19.1 dB

LIMIT CHECK PASS

1 RV  
MAX

SPECT

A

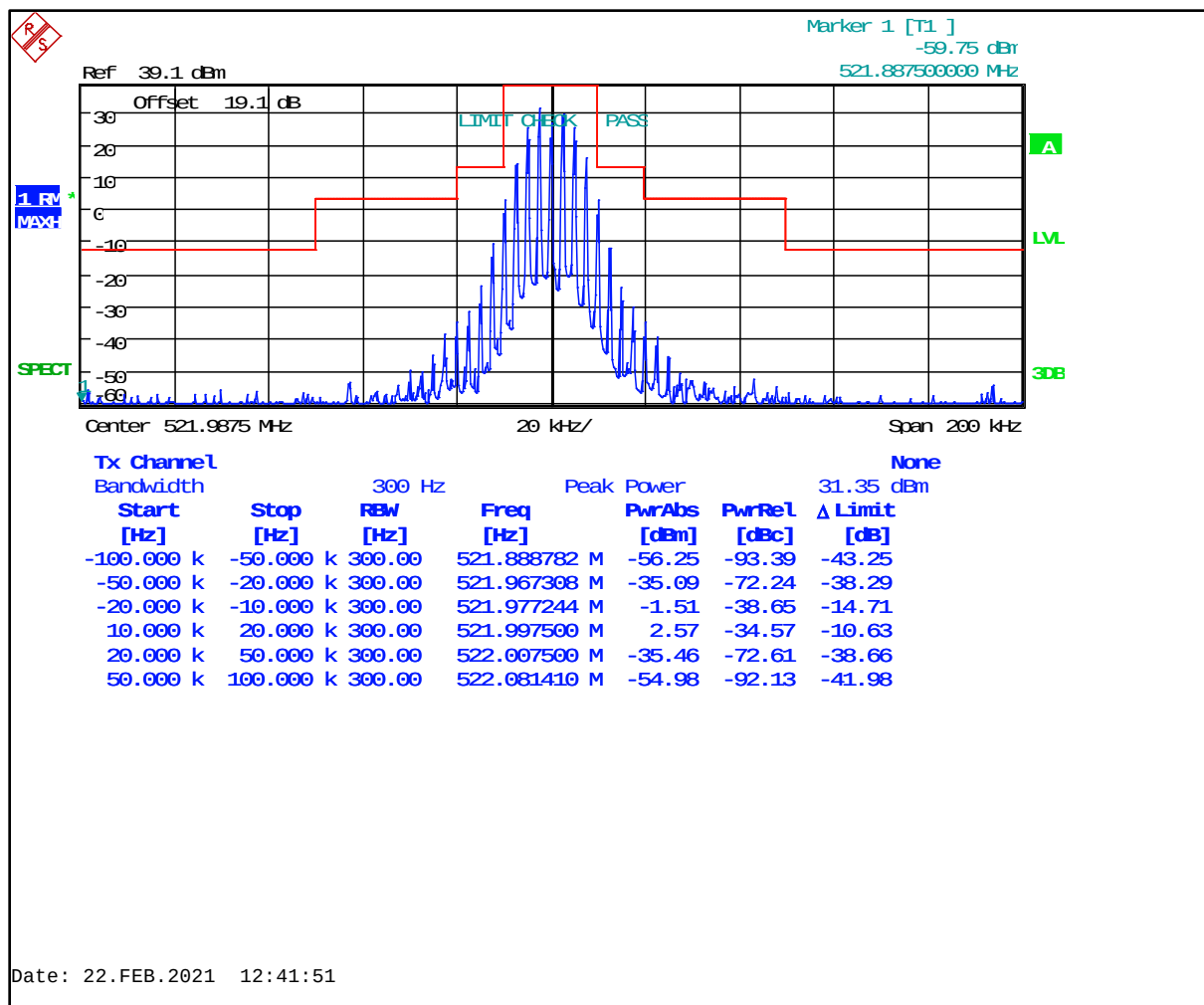
LVL

30B

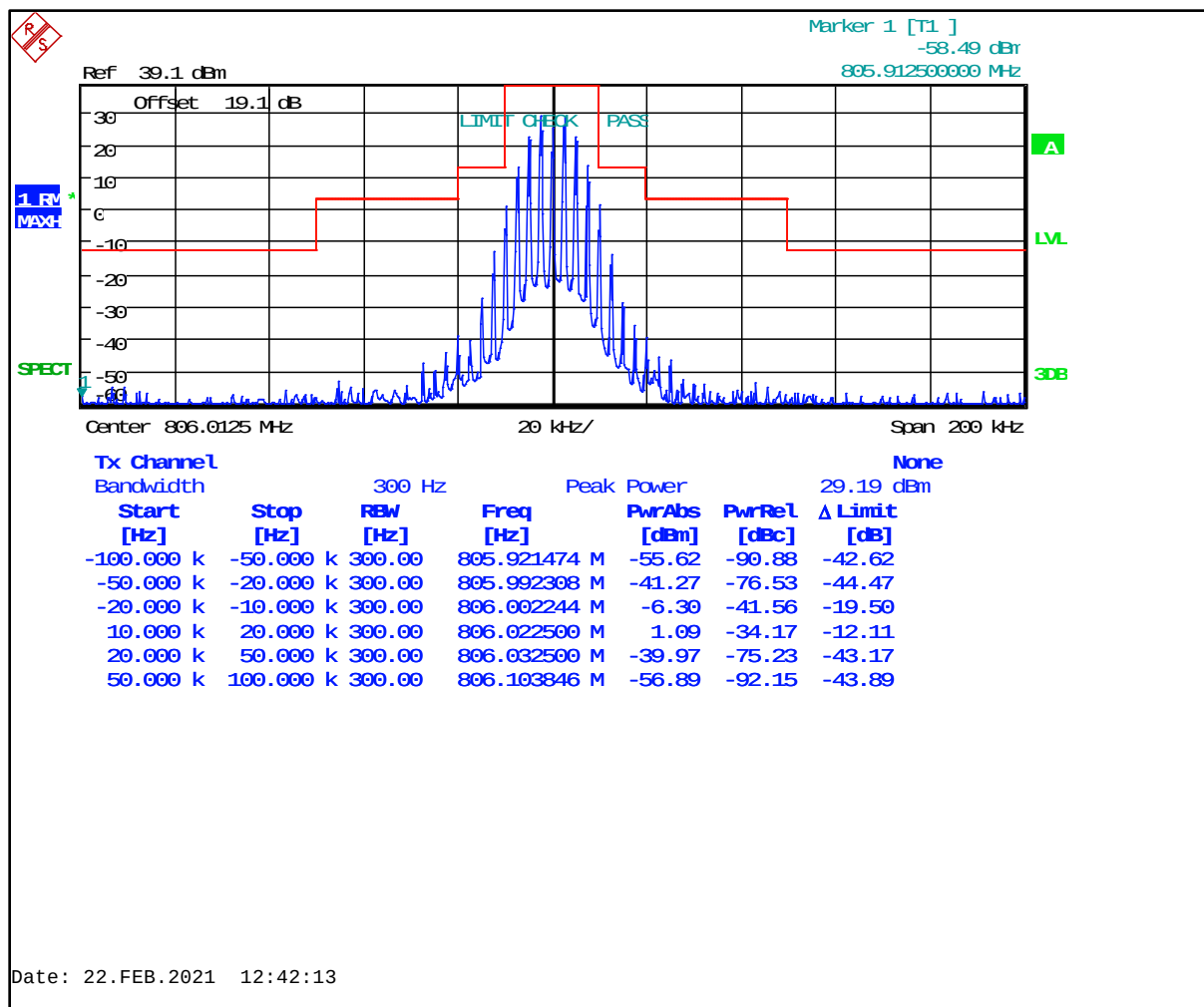
Center 469.9875 MHz 20 kHz/ Span 200 kHz

| Tx Channel |           |          |              | None         |              |              |  |
|------------|-----------|----------|--------------|--------------|--------------|--------------|--|
| Bandwidth  |           | 300 Hz   | Peak Power   |              | 31.97 dBm    |              |  |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | PwrRel [dBc] | Δ Limit [dB] |  |
| -100.000 k | -50.000 k | 300.00   | 469.934936 M | -50.34       | -88.09       | -37.34       |  |
| -50.000 k  | -20.000 k | 300.00   | 469.967308 M | -34.82       | -72.57       | -38.02       |  |
| -20.000 k  | -10.000 k | 300.00   | 469.977244 M | -0.80        | -38.56       | -14.00       |  |
| 10.000 k   | 20.000 k  | 300.00   | 469.997500 M | 3.31         | -34.44       | -9.89        |  |
| 20.000 k   | 50.000 k  | 300.00   | 470.007500 M | -36.20       | -73.96       | -39.40       |  |
| 50.000 k   | 100.000 k | 300.00   | 470.042308 M | -50.74       | -88.49       | -37.74       |  |

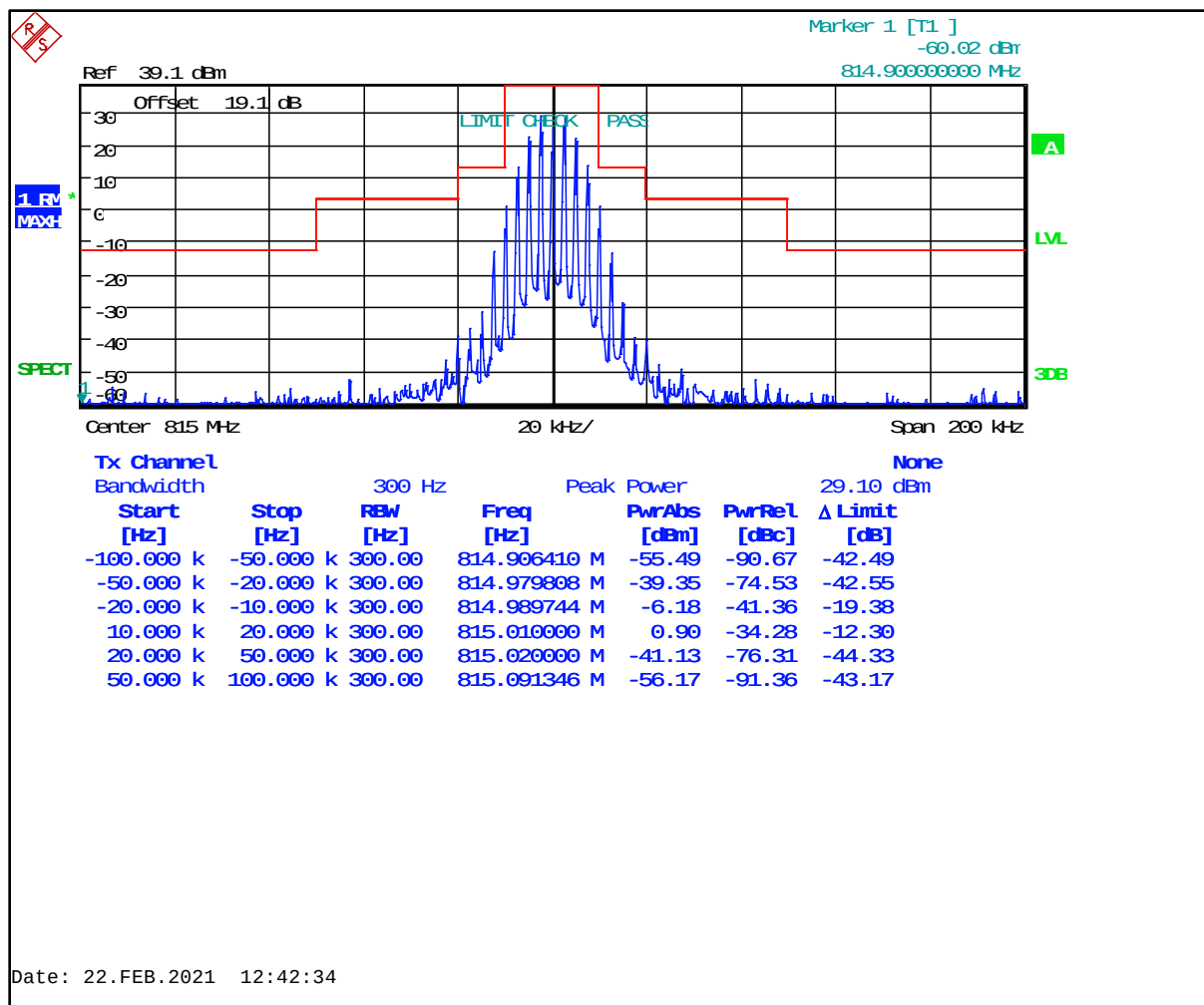
**Plot 8-21: Occupied Bandwidth – 521.9875 MHz; Wideband Analog; Mask B**



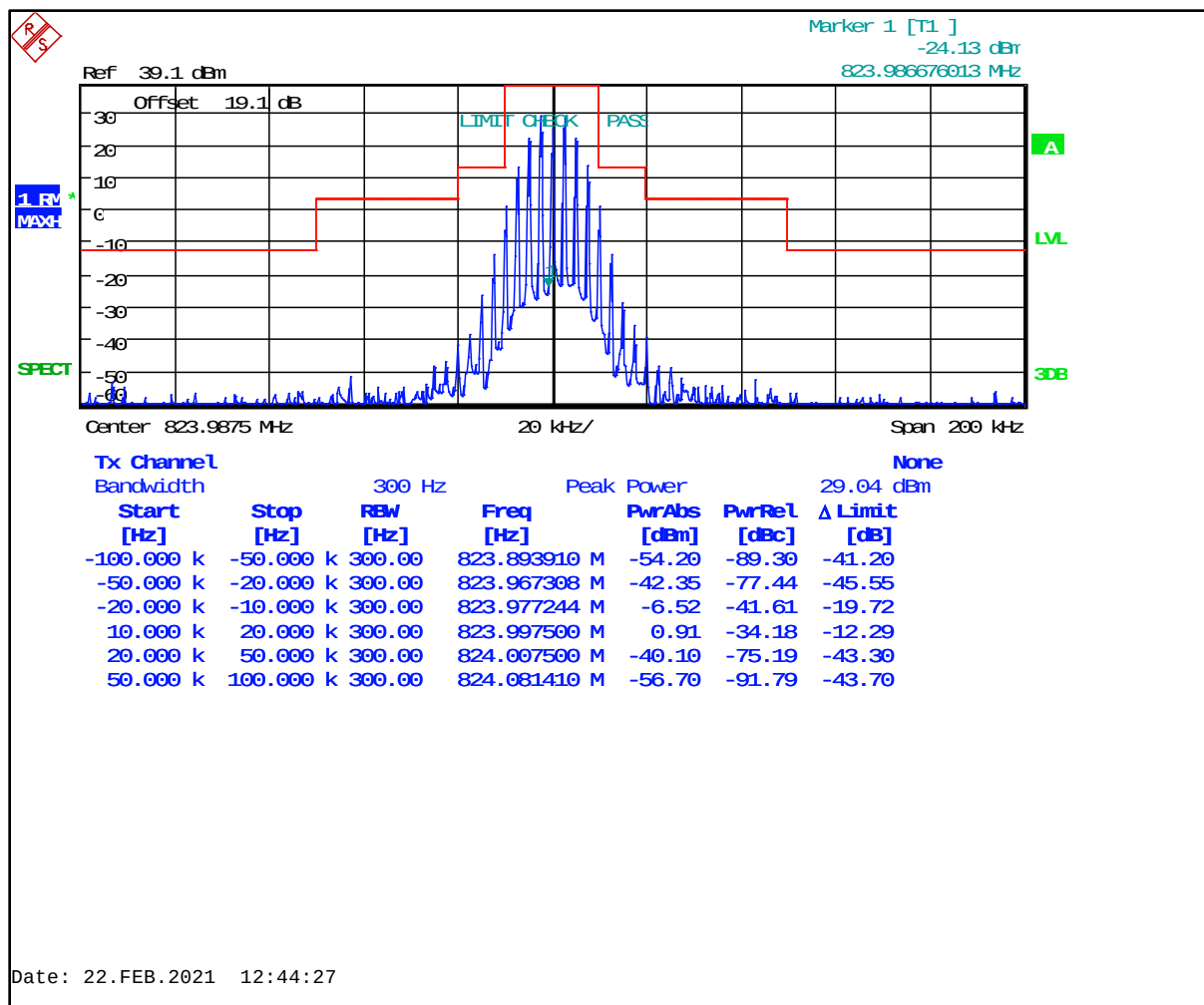
**Plot 8-22: Occupied Bandwidth – 806.0125 MHz; Wideband Analog; Mask B**



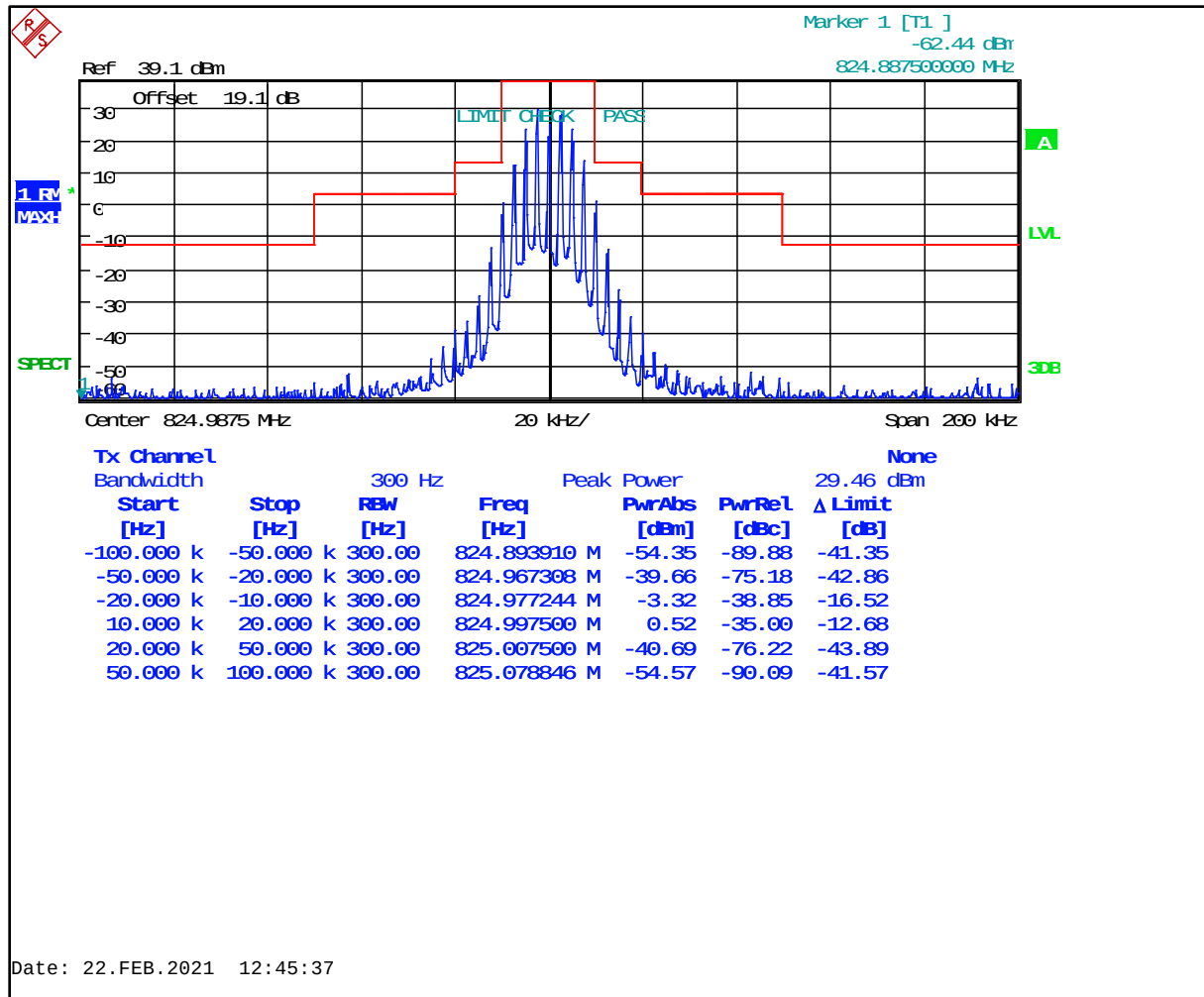
**Plot 8-23: Occupied Bandwidth – 815.0000 MHz; Wideband Analog; Mask B**



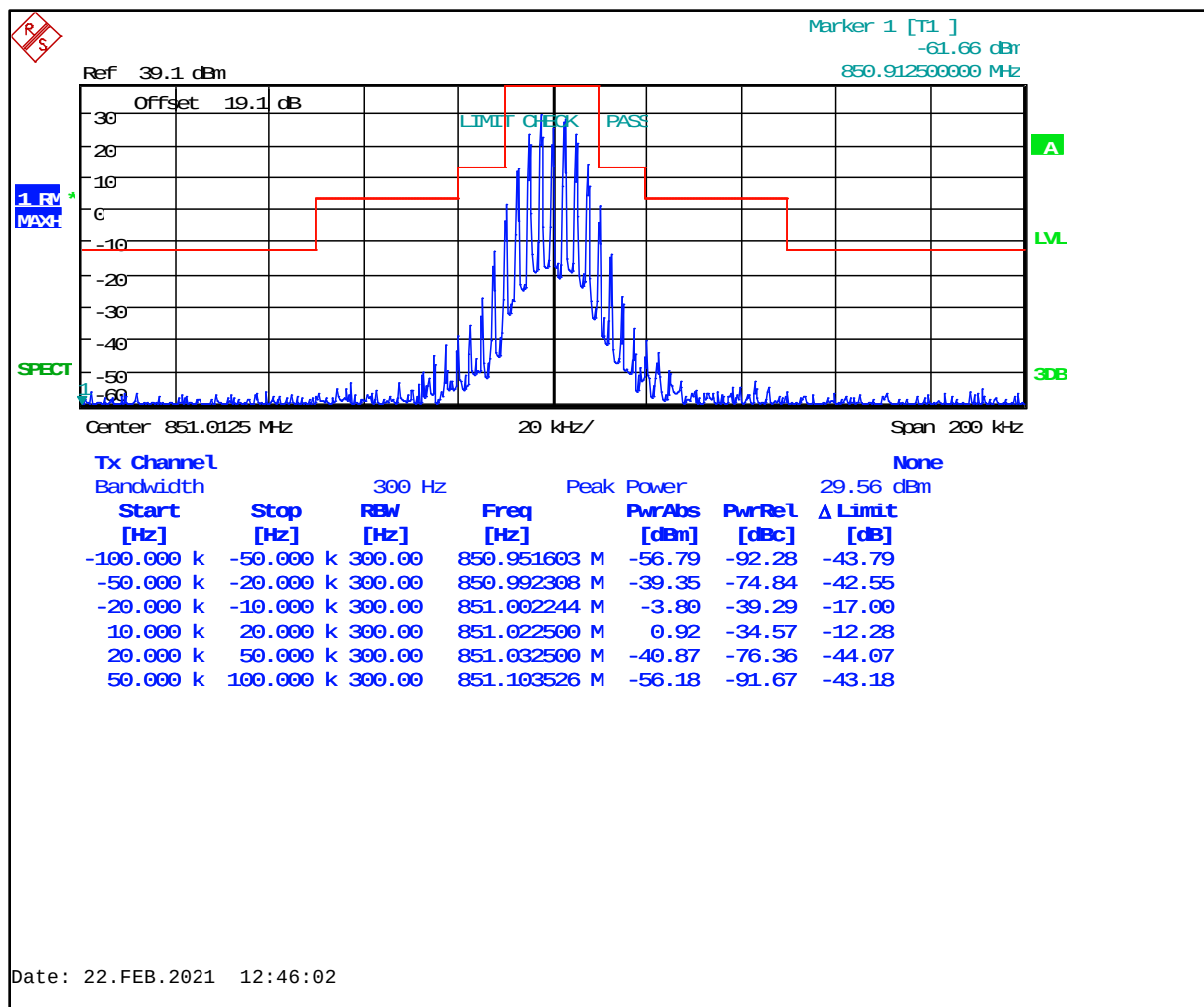
**Plot 8-24: Occupied Bandwidth – 823.9875 MHz; Wideband Analog; Mask B**



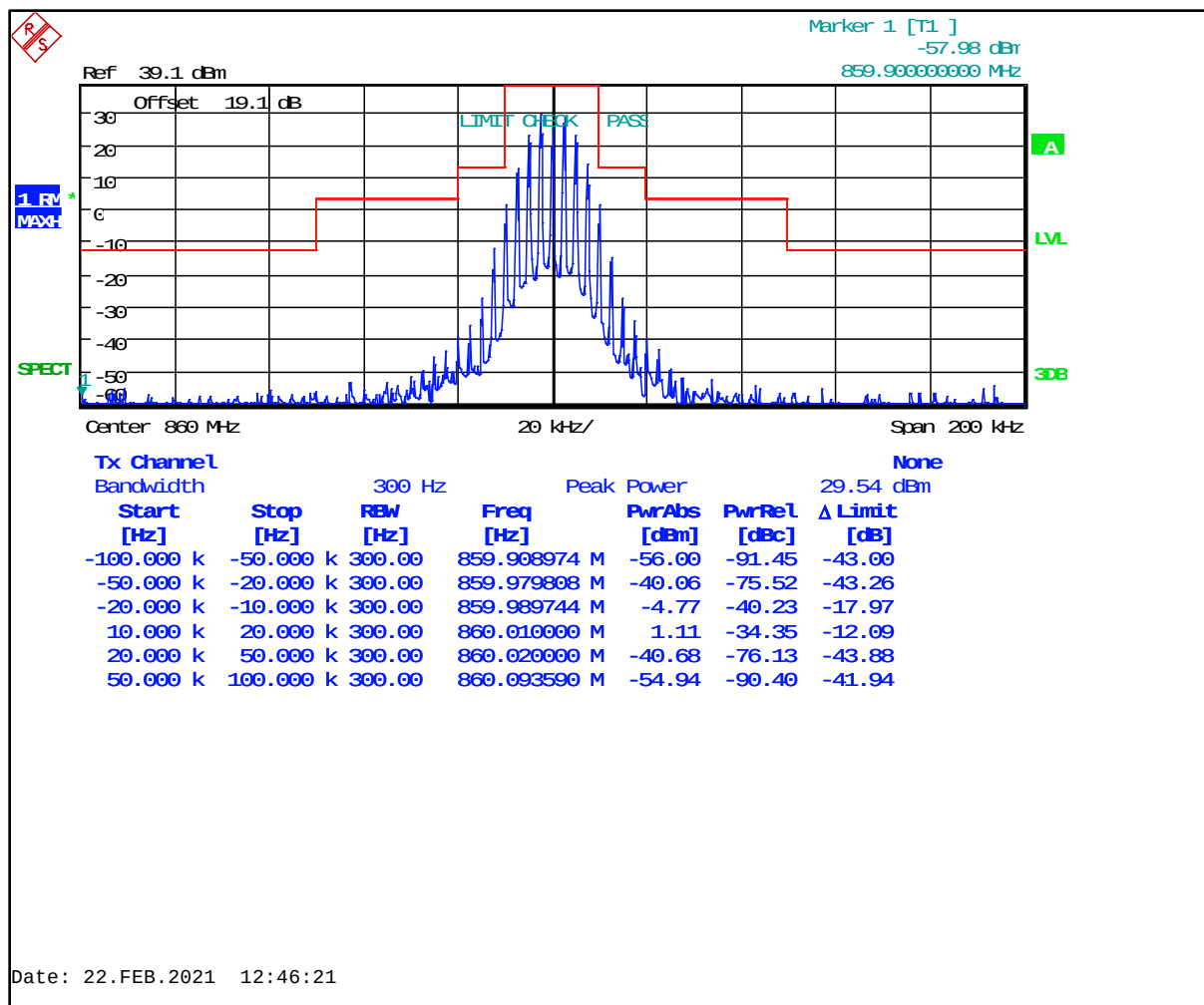
**Plot 8-25: Occupied Bandwidth – 824.9875 MHz; Wideband Analog; Mask B**



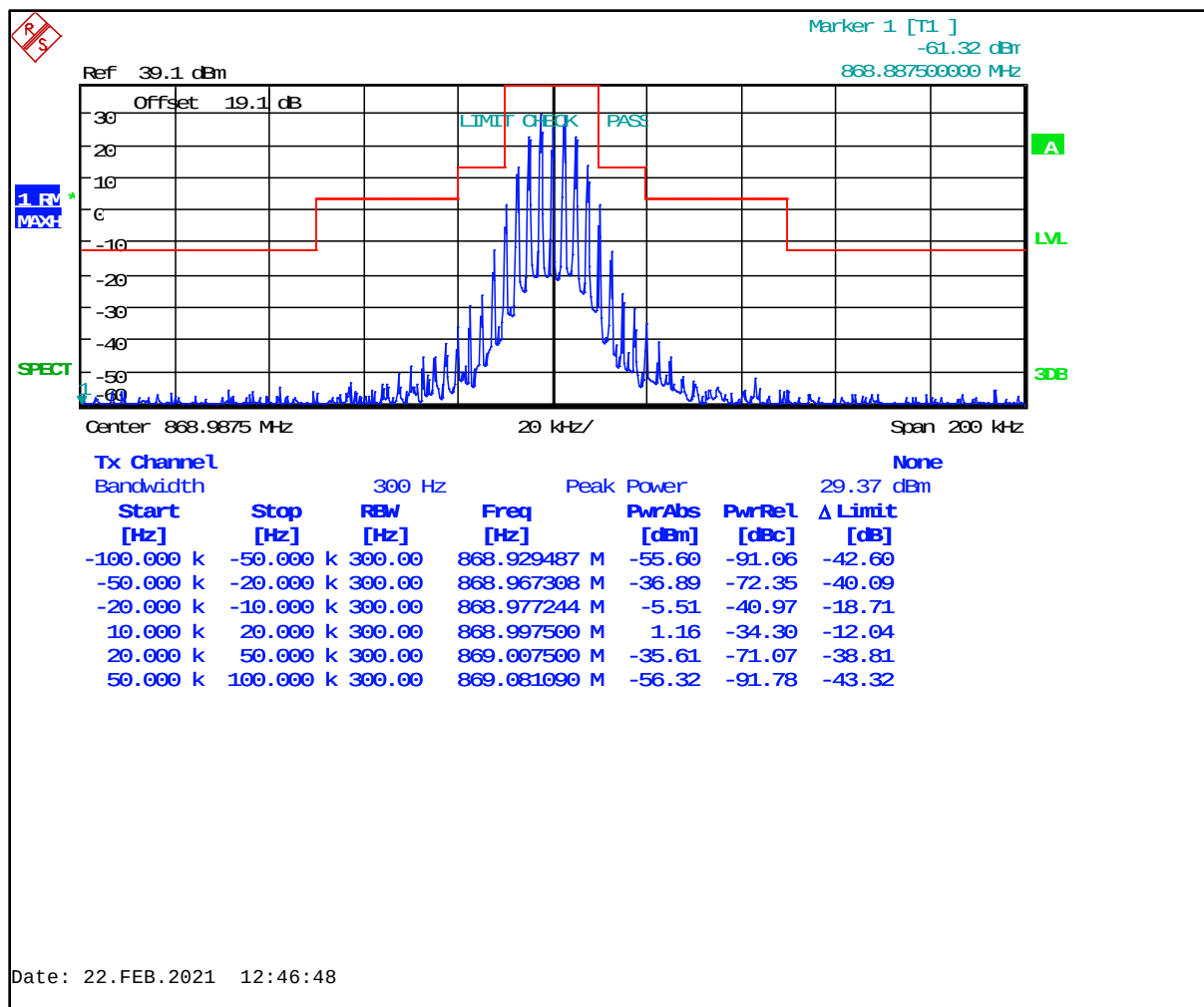
**Plot 8-26: Occupied Bandwidth – 851.0125 MHz; Wideband Analog; Mask B**



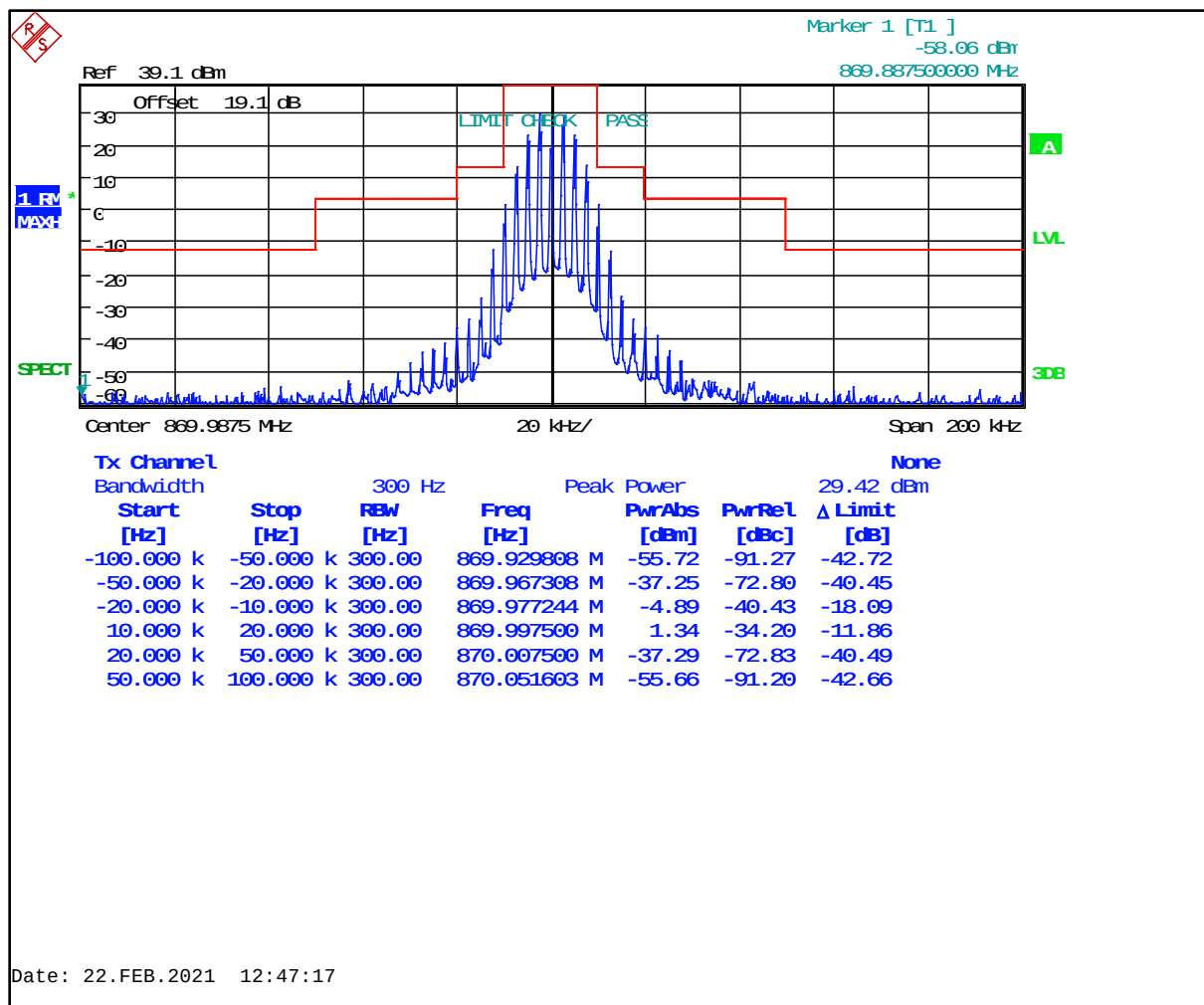
**Plot 8-27: Occupied Bandwidth – 860.0000 MHz; Wideband Analog; Mask B**



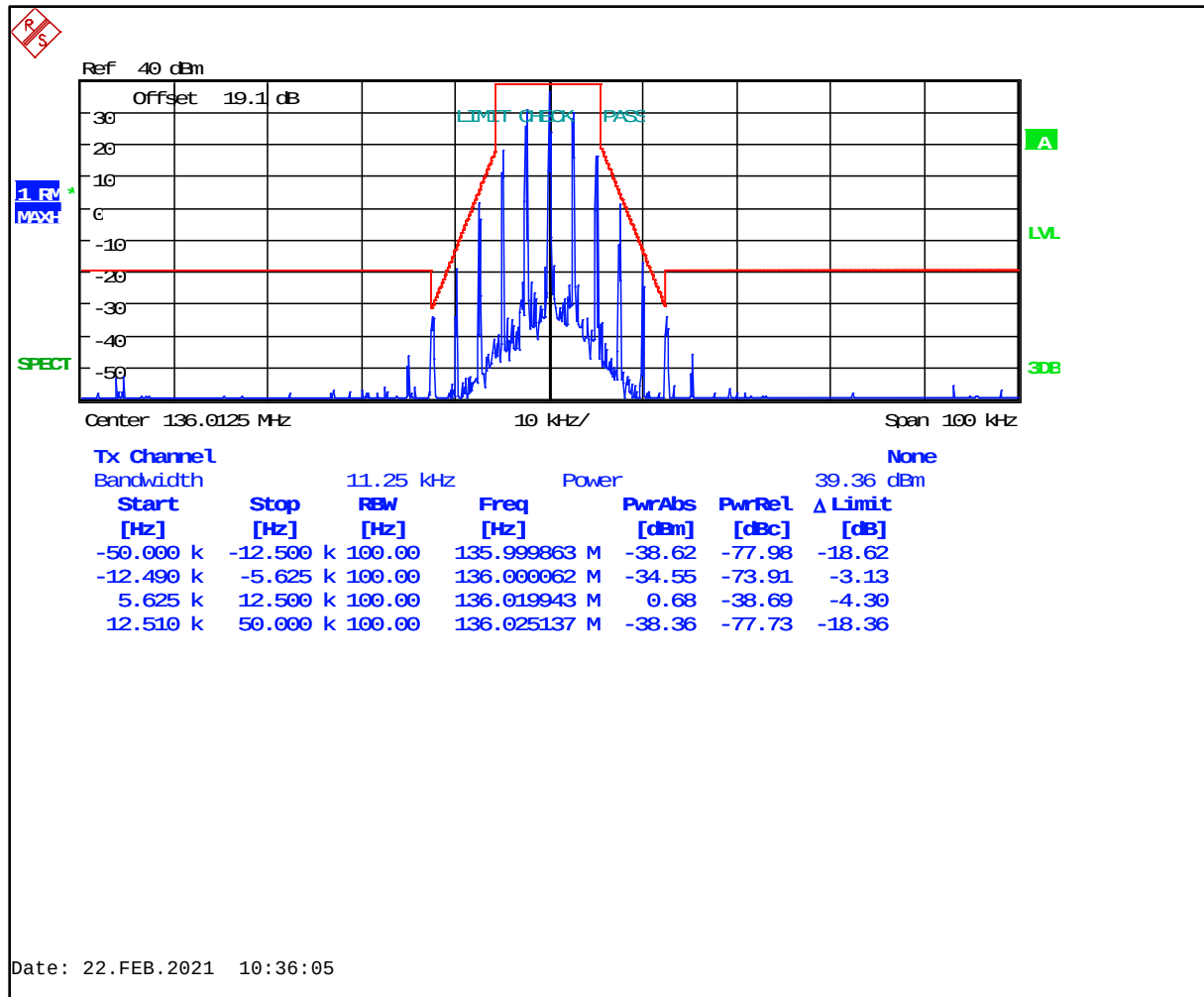
**Plot 8-28: Occupied Bandwidth -868.9875 MHz; Wideband Analog; Mask B**



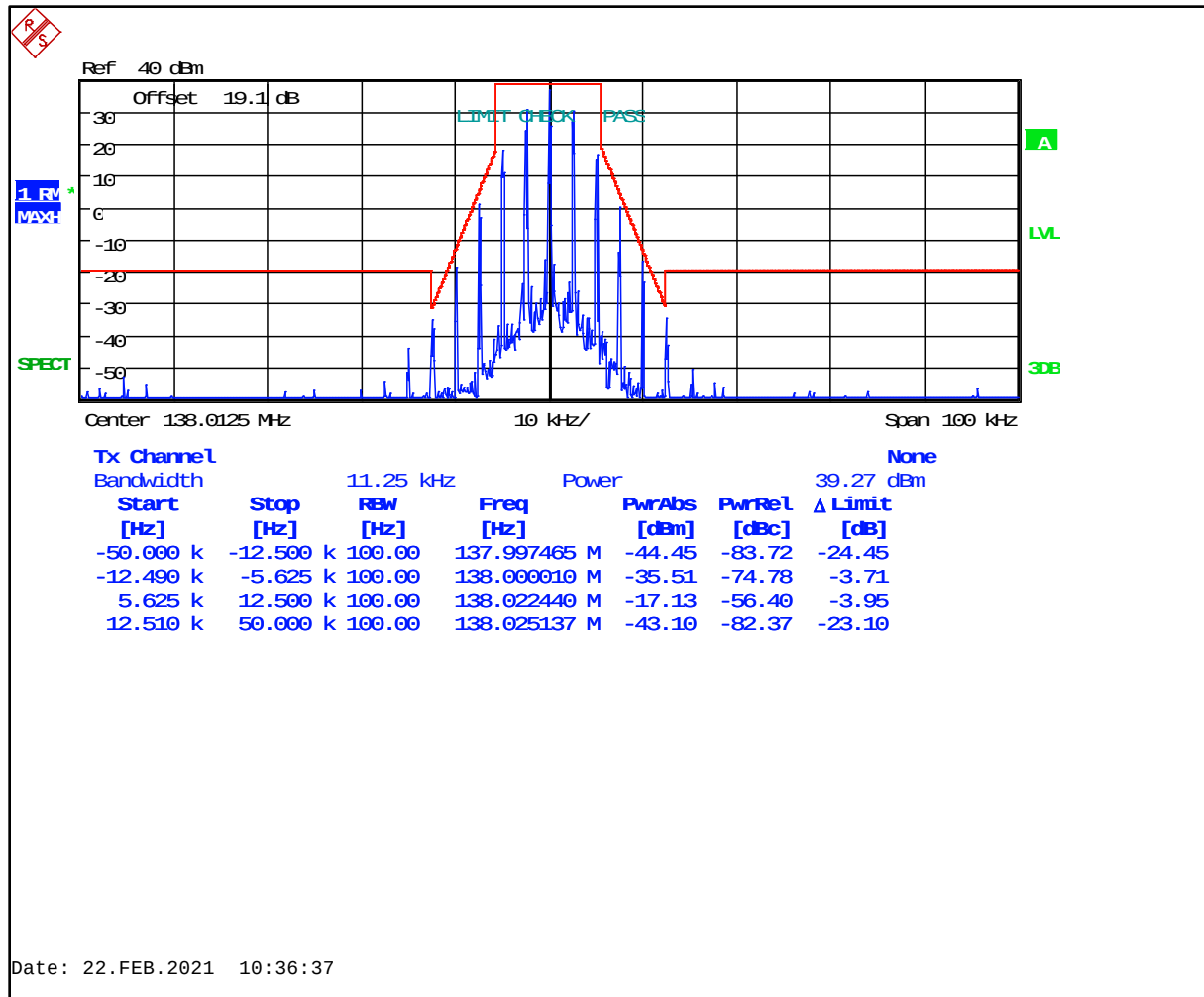
**Plot 8-29: Occupied Bandwidth – 869.9875 MHz; Wideband Analog; Mask B**



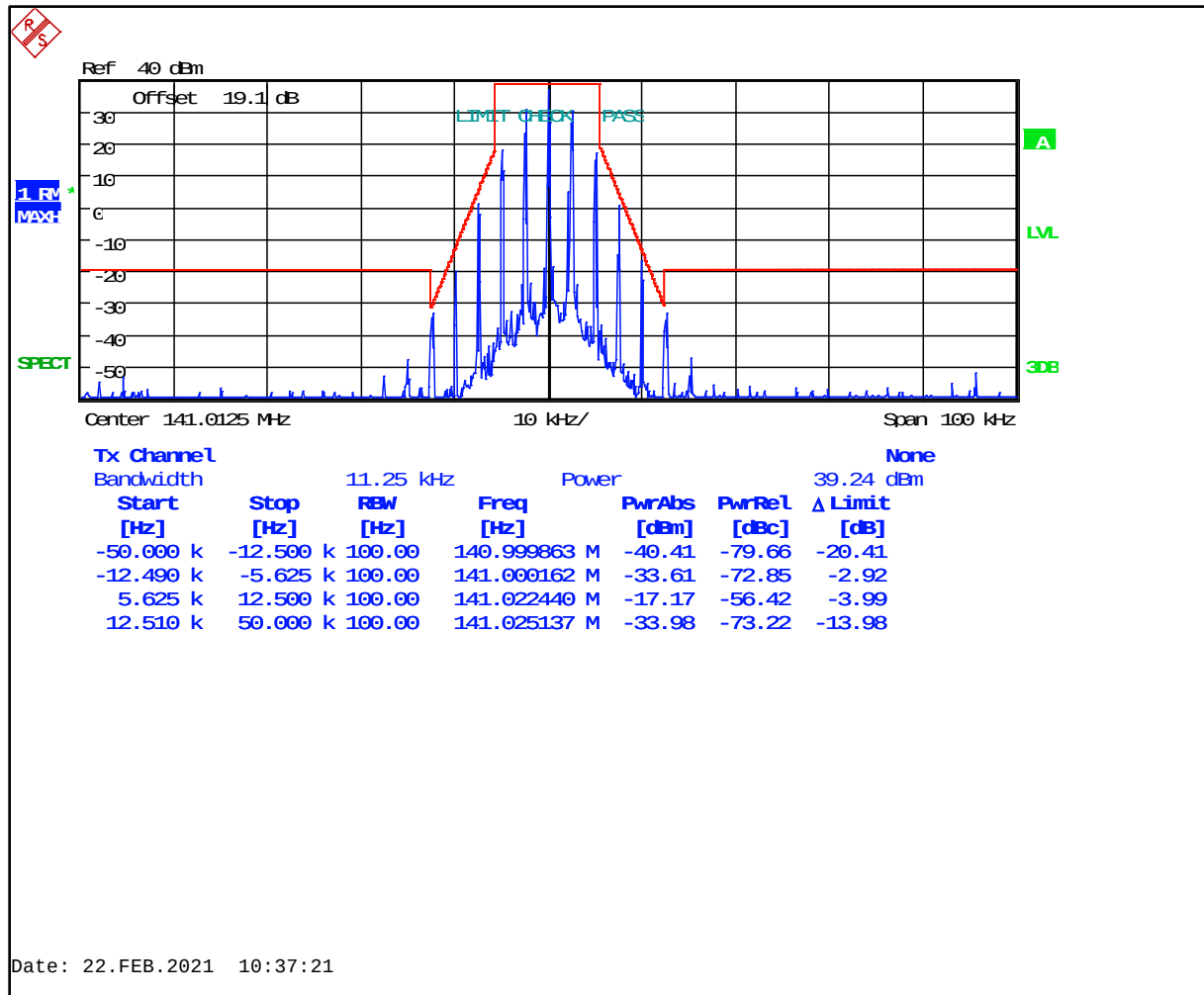
**Plot 8-30: Occupied Bandwidth – 136.0125 MHz; Narrowband Analog; Mask D**



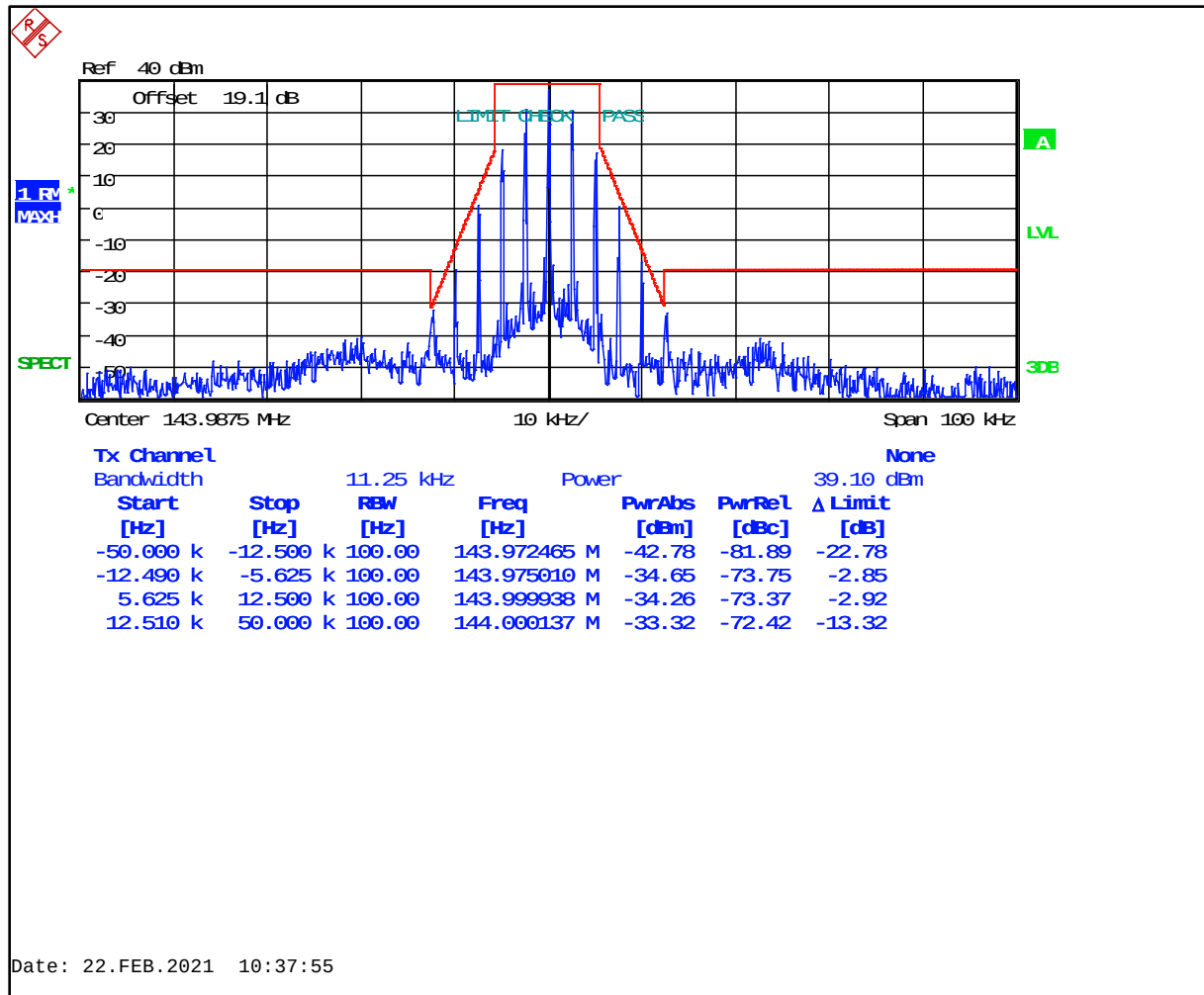
**Plot 8-31: Occupied Bandwidth – 138.0125 MHz; Narrowband Analog; Mask D**



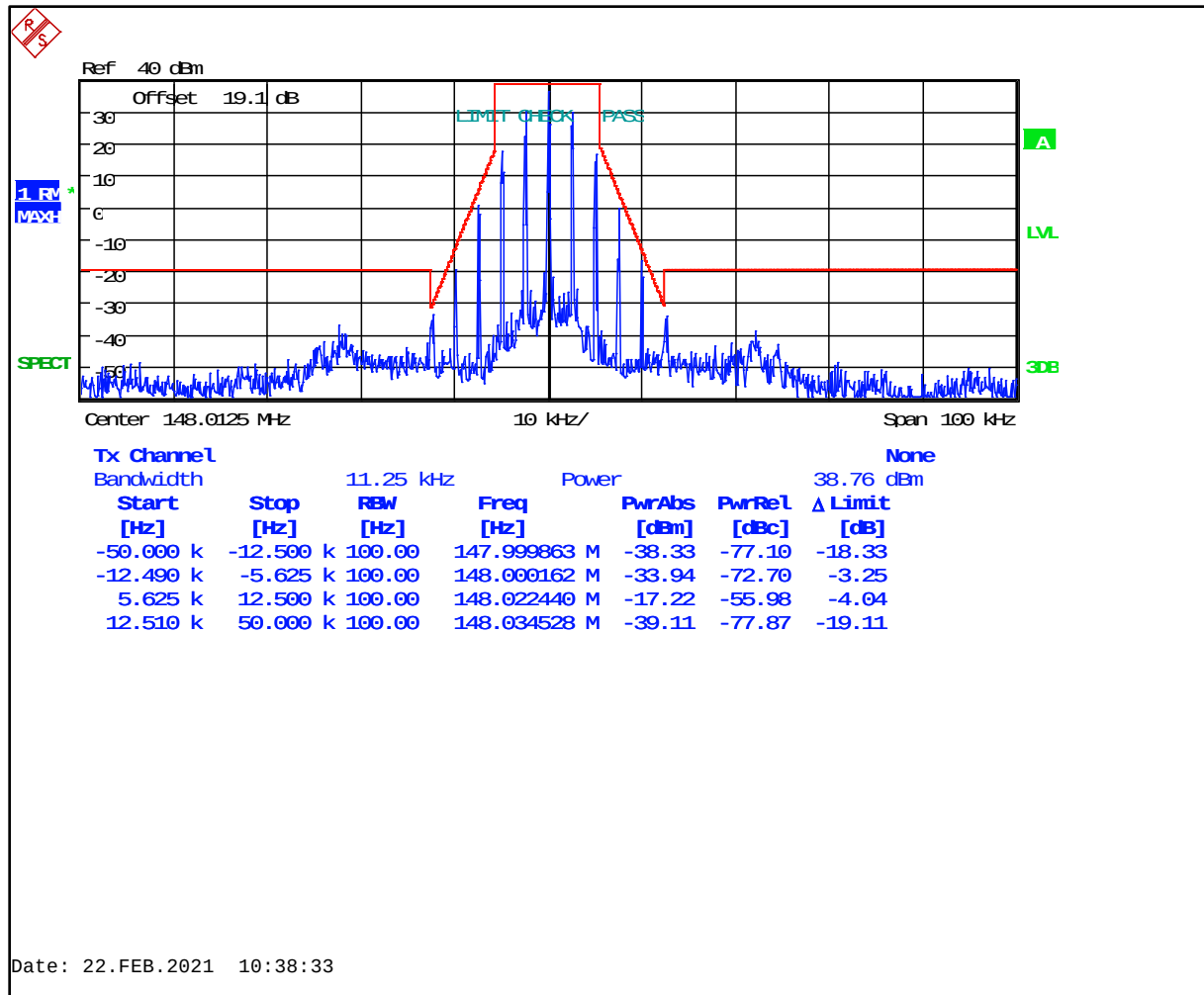
**Plot 8-32: Occupied Bandwidth – 141.0125 MHz; Narrowband Analog; Mask D**



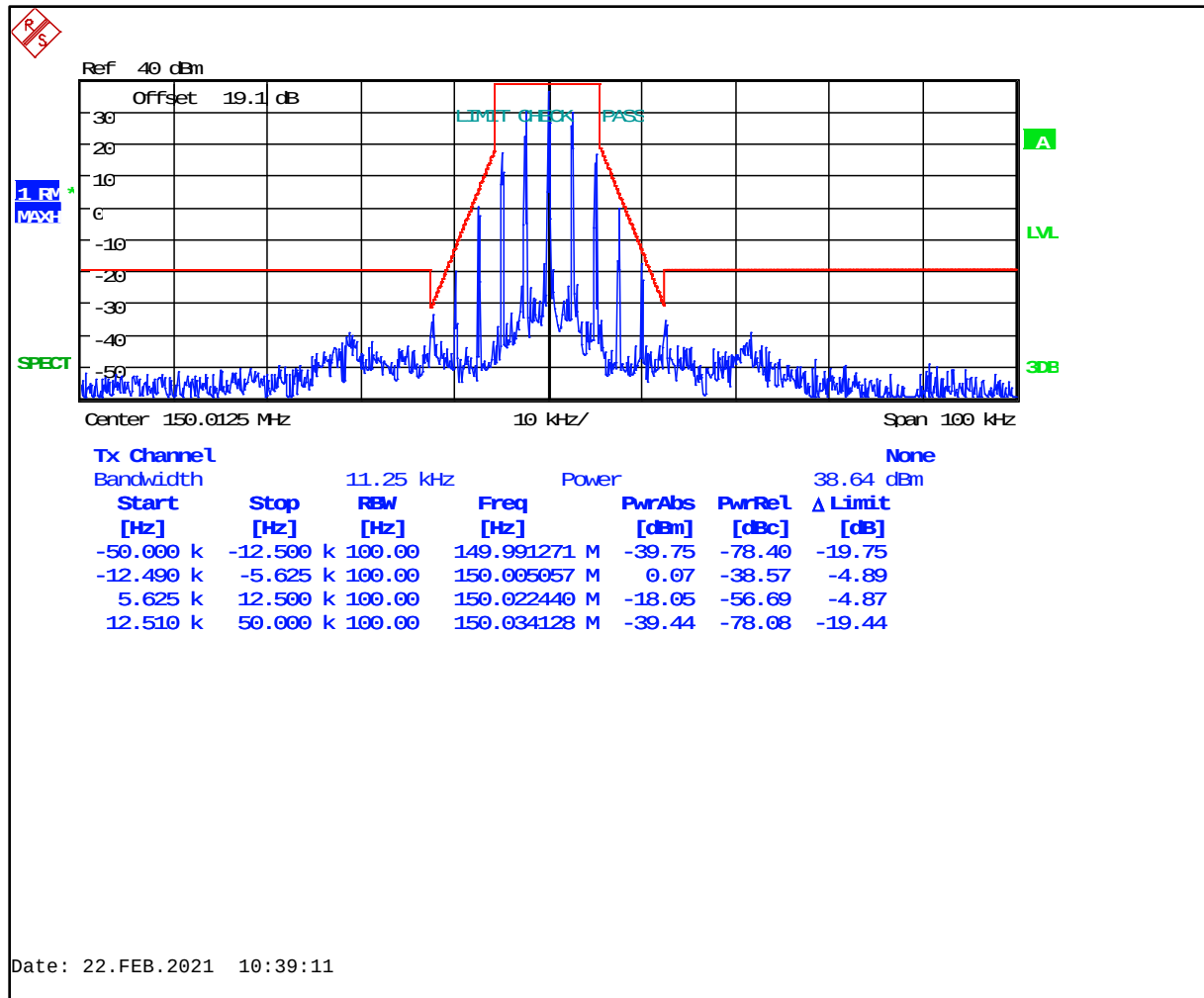
**Plot 8-33: Occupied Bandwidth – 143.9875 MHz; Narrowband Analog; Mask D**



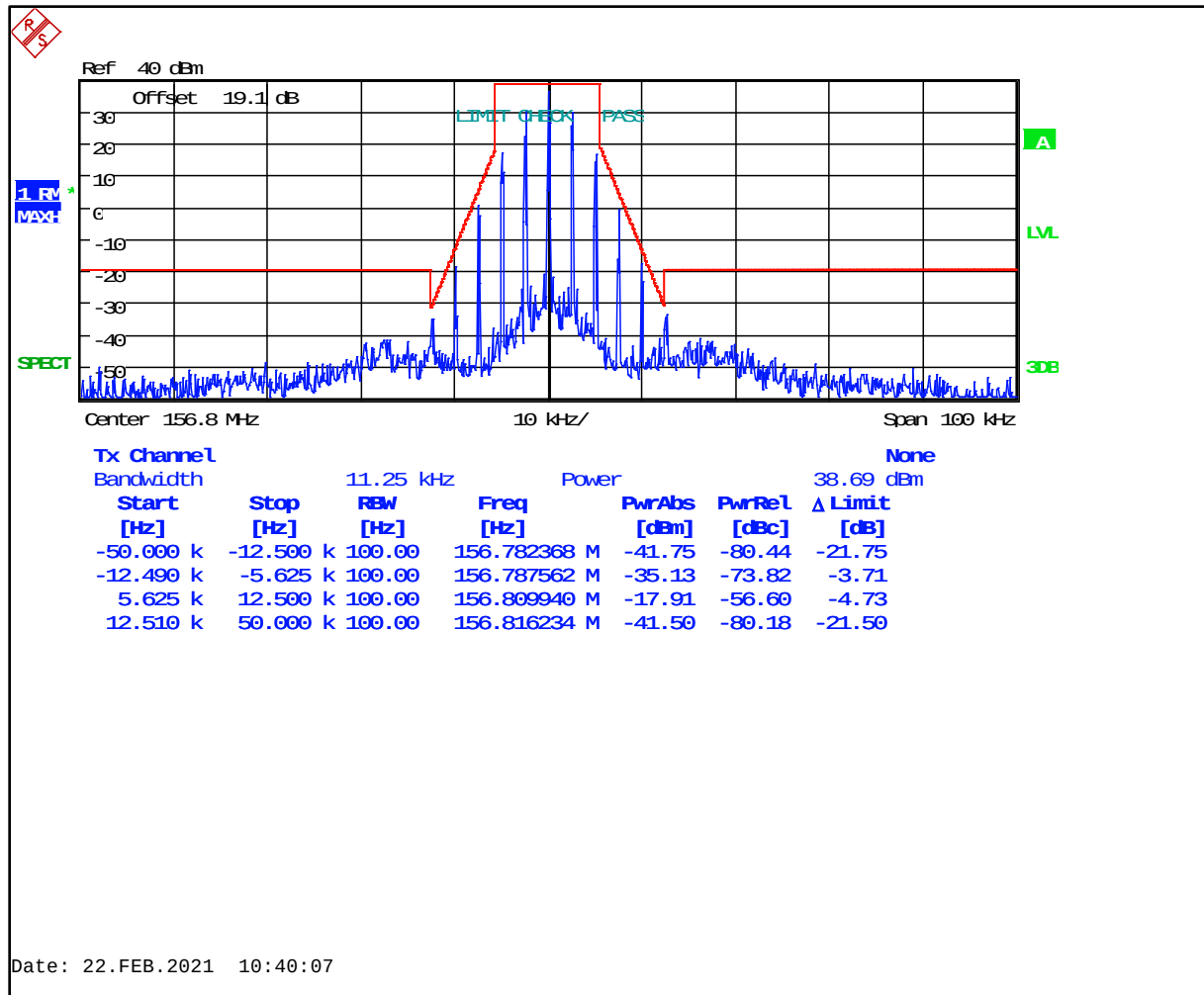
**Plot 8-34: Occupied Bandwidth – 148.0125 MHz; Narrowband Analog; Mask D**



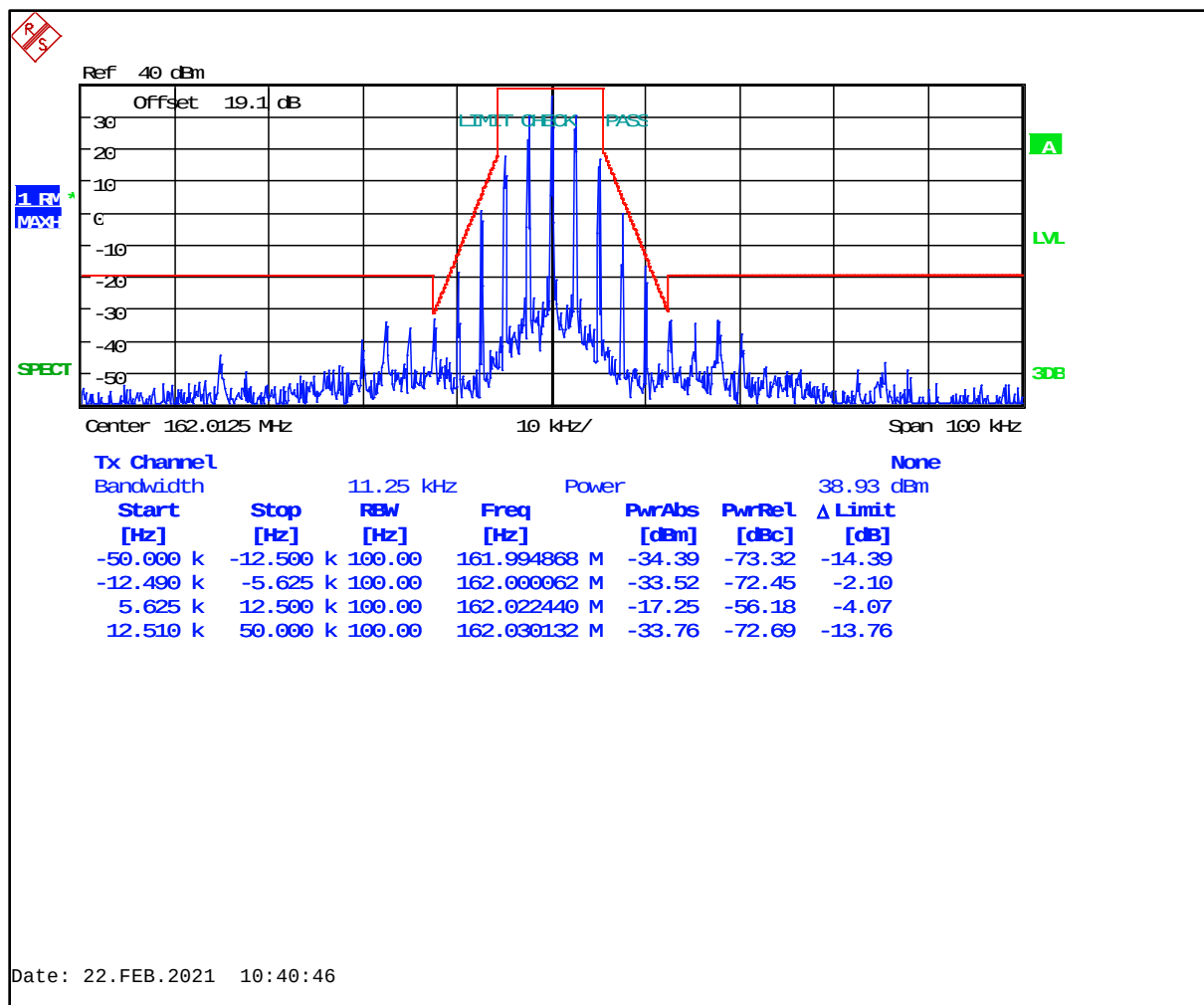
**Plot 8-35: Occupied Bandwidth – 150.0125 MHz; Narrowband Analog; Mask D**



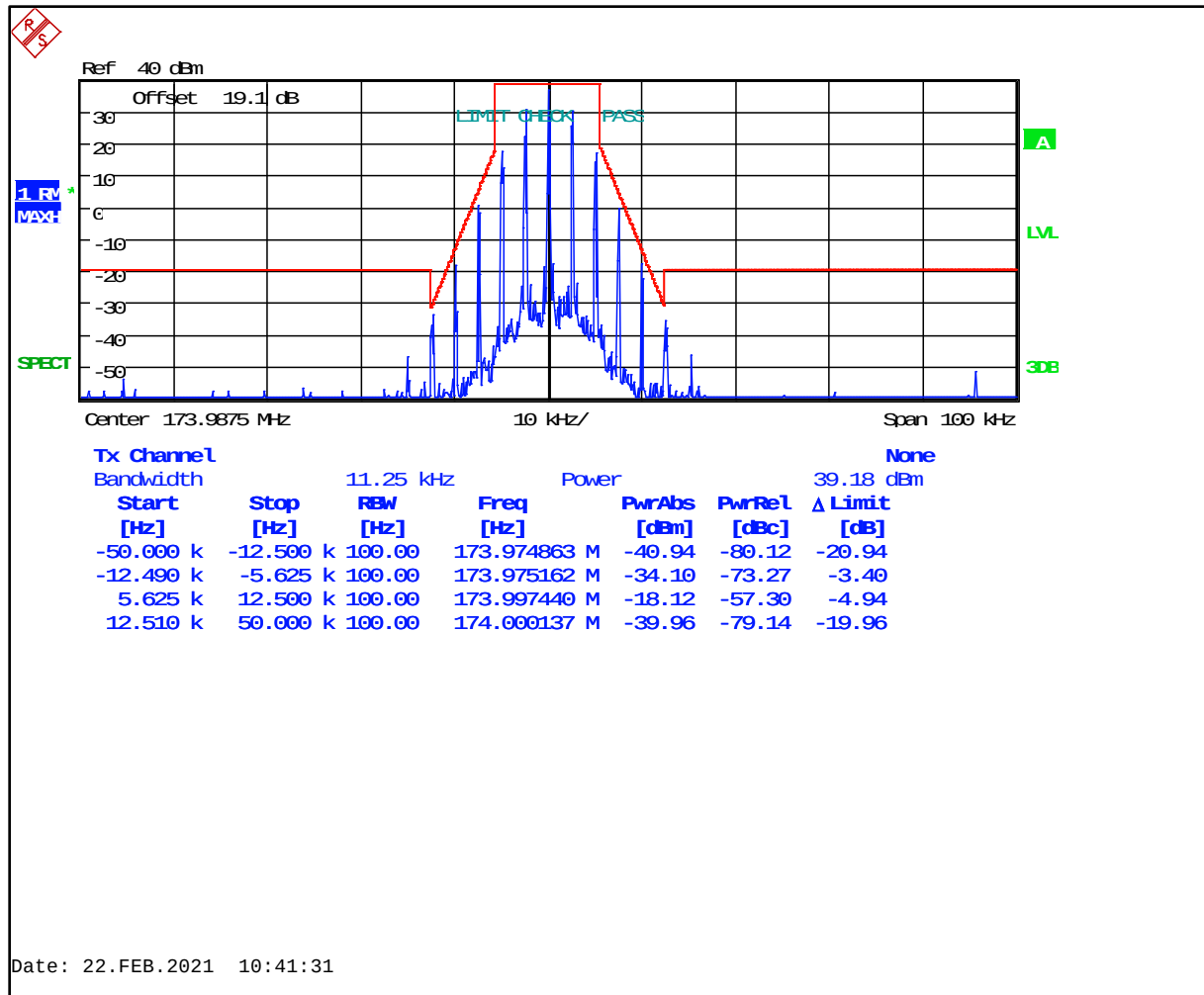
**Plot 8-36: Occupied Bandwidth – 156.8000 MHz; Narrowband Analog; Mask D**



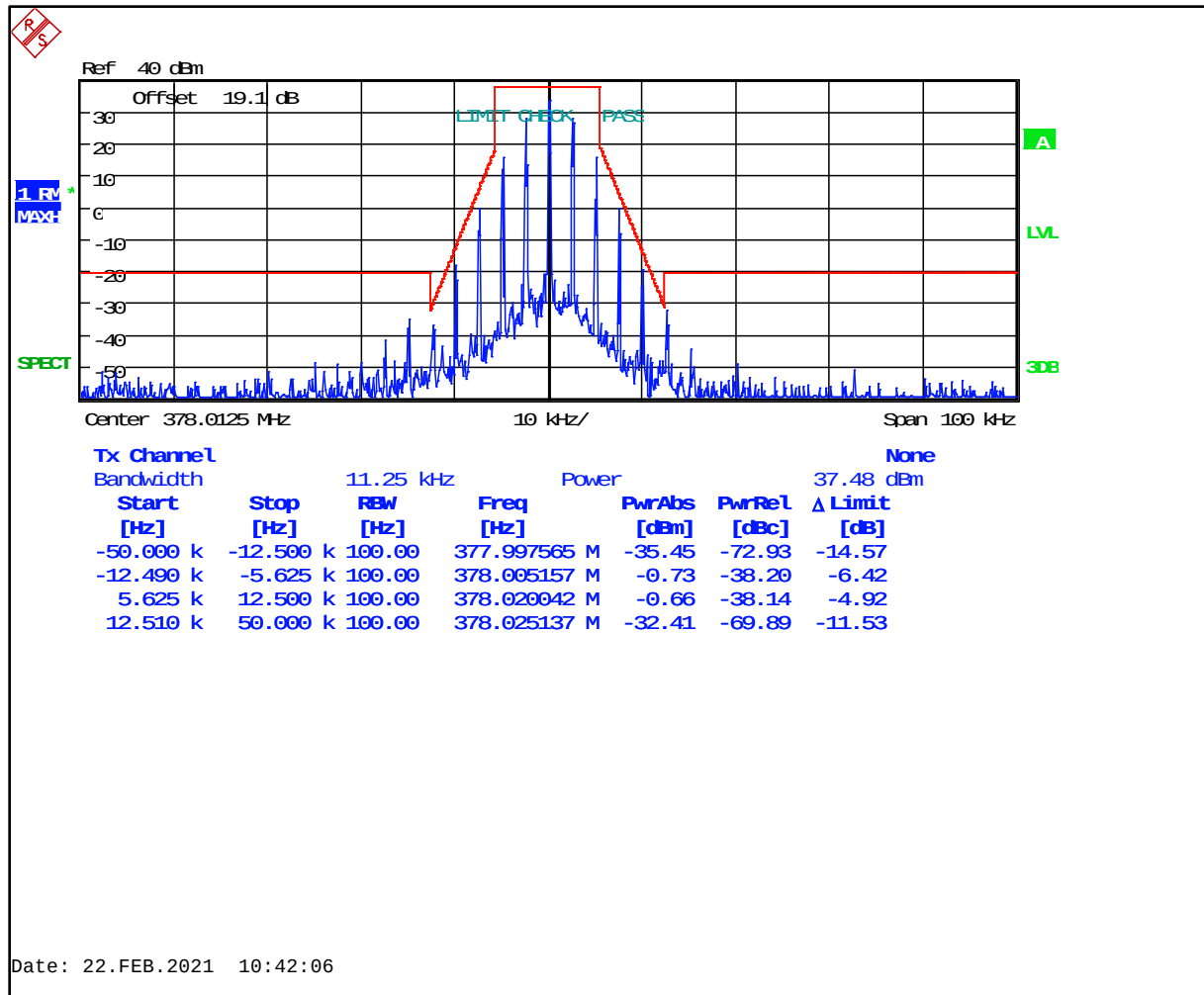
**Plot 8-37: Occupied Bandwidth – 162.0125 MHz; Narrowband Analog; Mask D**



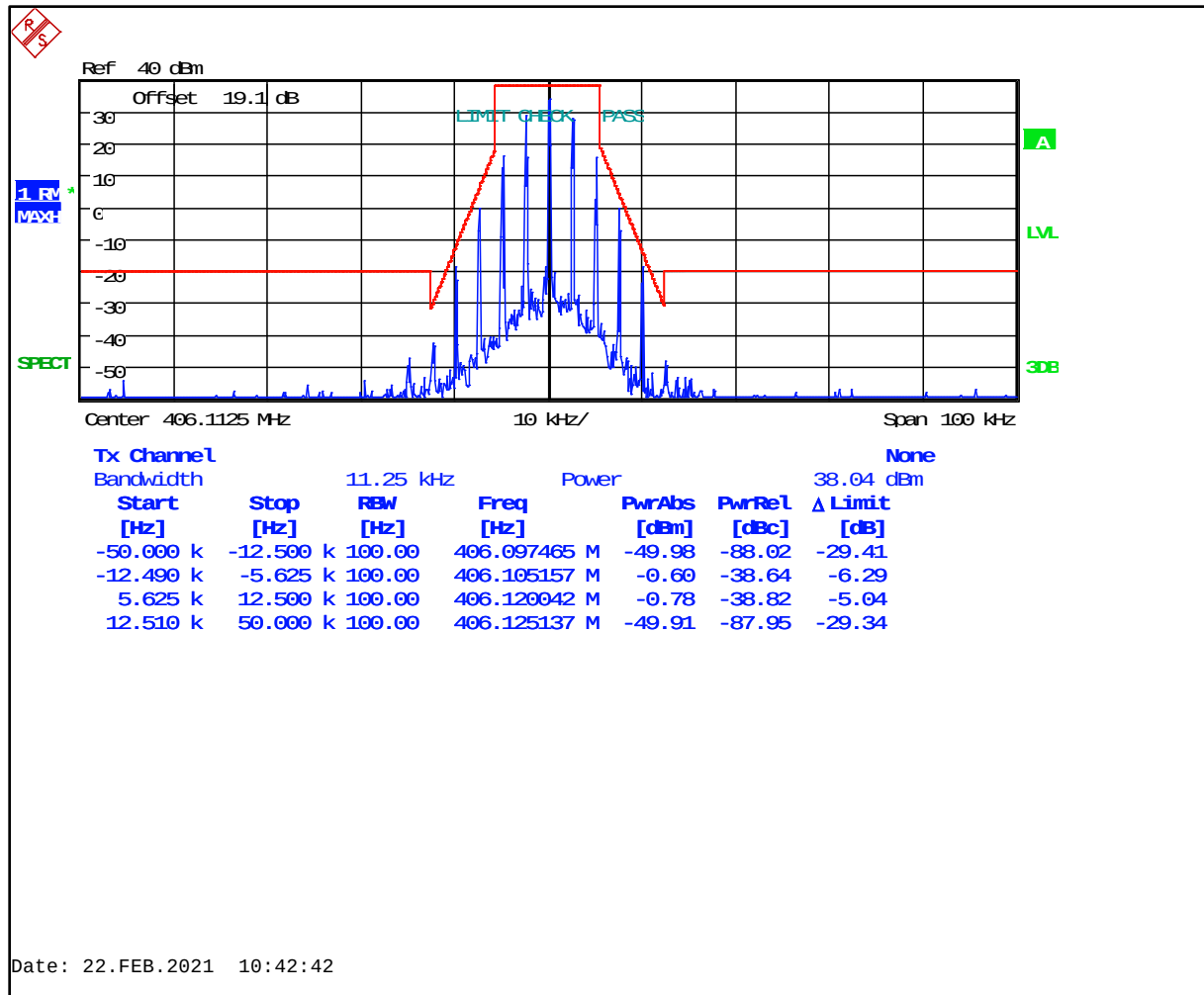
**Plot 8-38: Occupied Bandwidth – 173.9875 MHz; Narrowband Analog; Mask D**



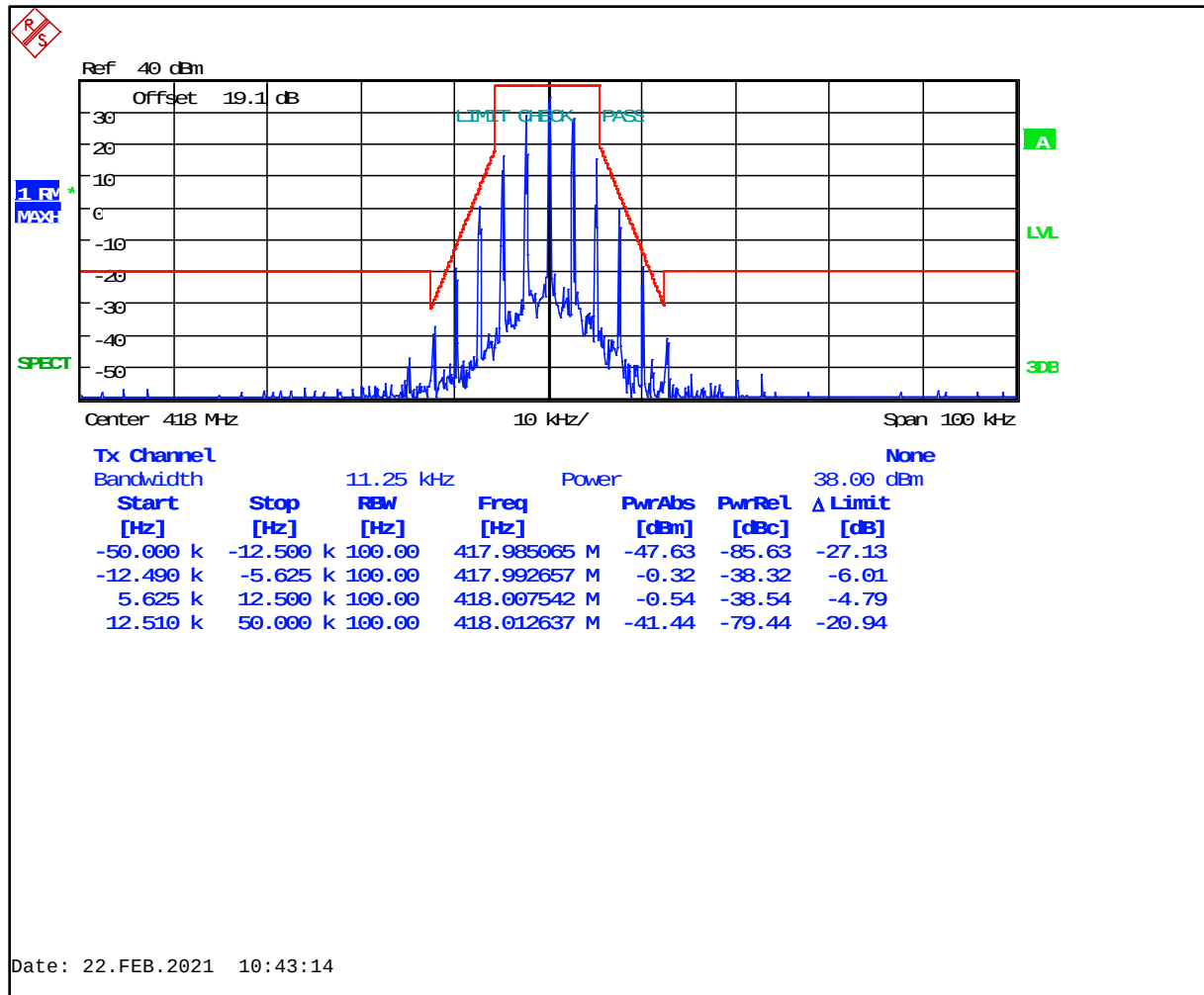
**Plot 8-39: Occupied Bandwidth – 378.0125 MHz; Narrowband Analog; Mask D**



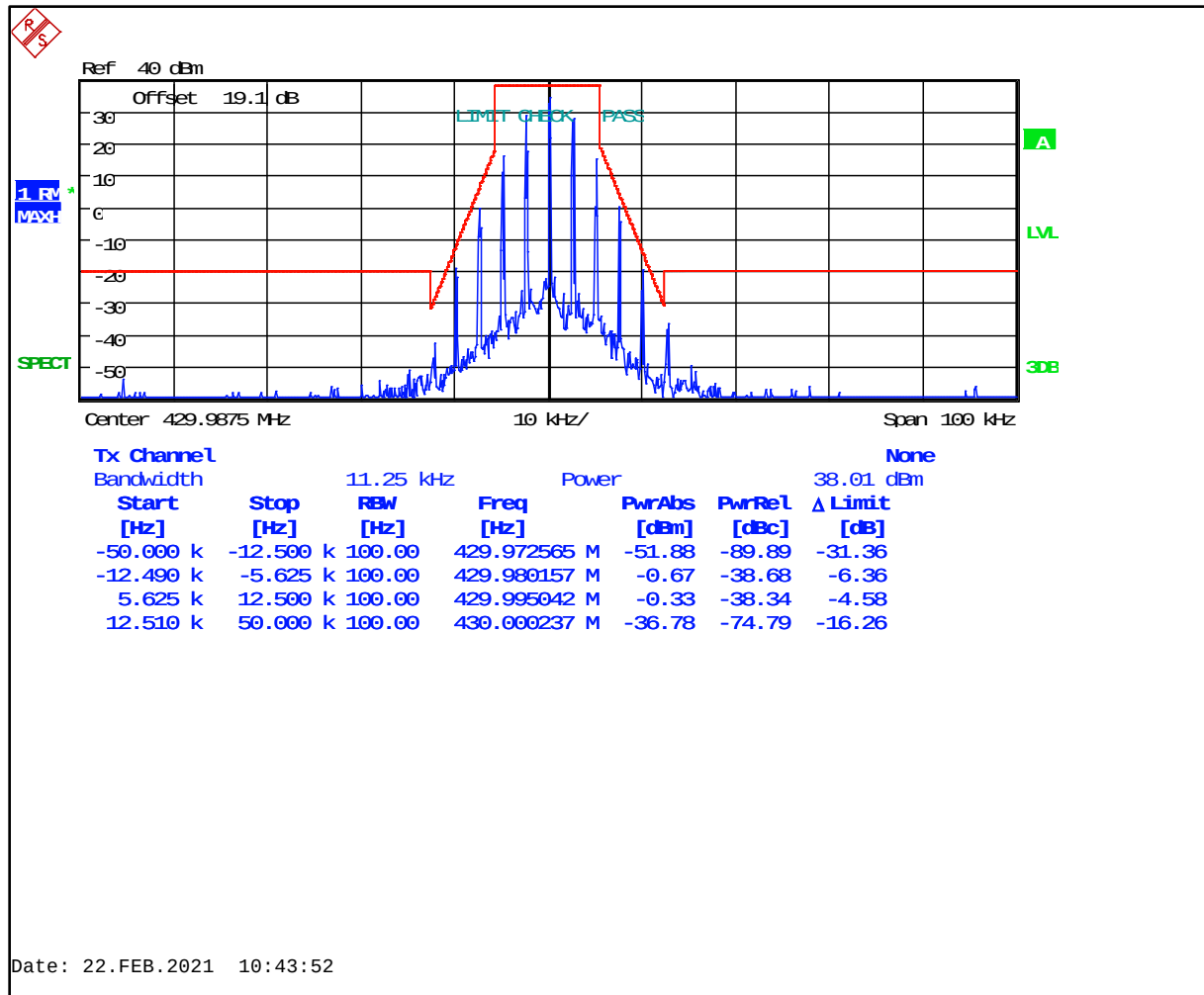
**Plot 8-40: Occupied Bandwidth – 406.1125 MHz; Narrowband Analog; Mask D**



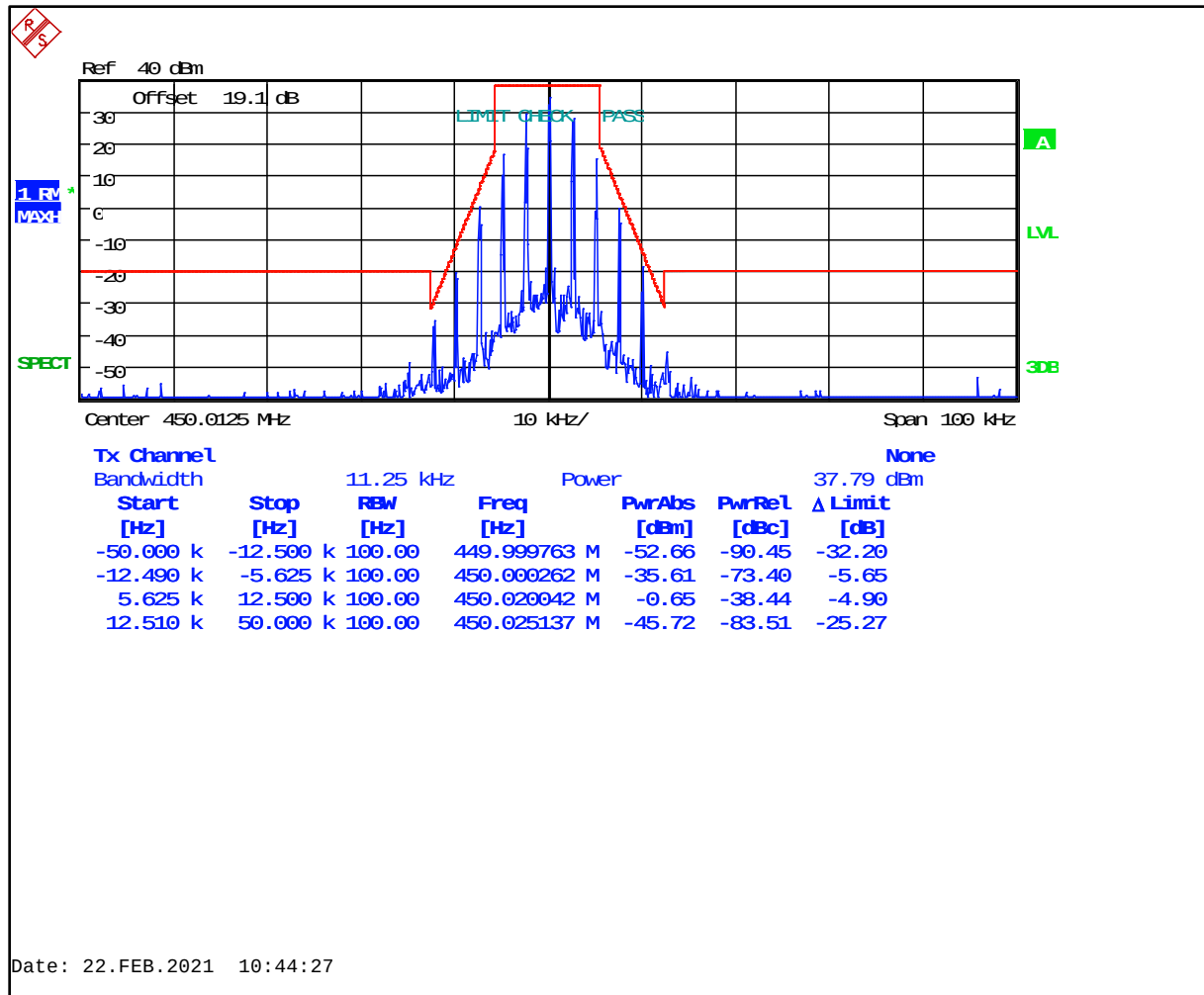
**Plot 8-41: Occupied Bandwidth – 418.0000 MHz; Narrowband Analog; Mask D**



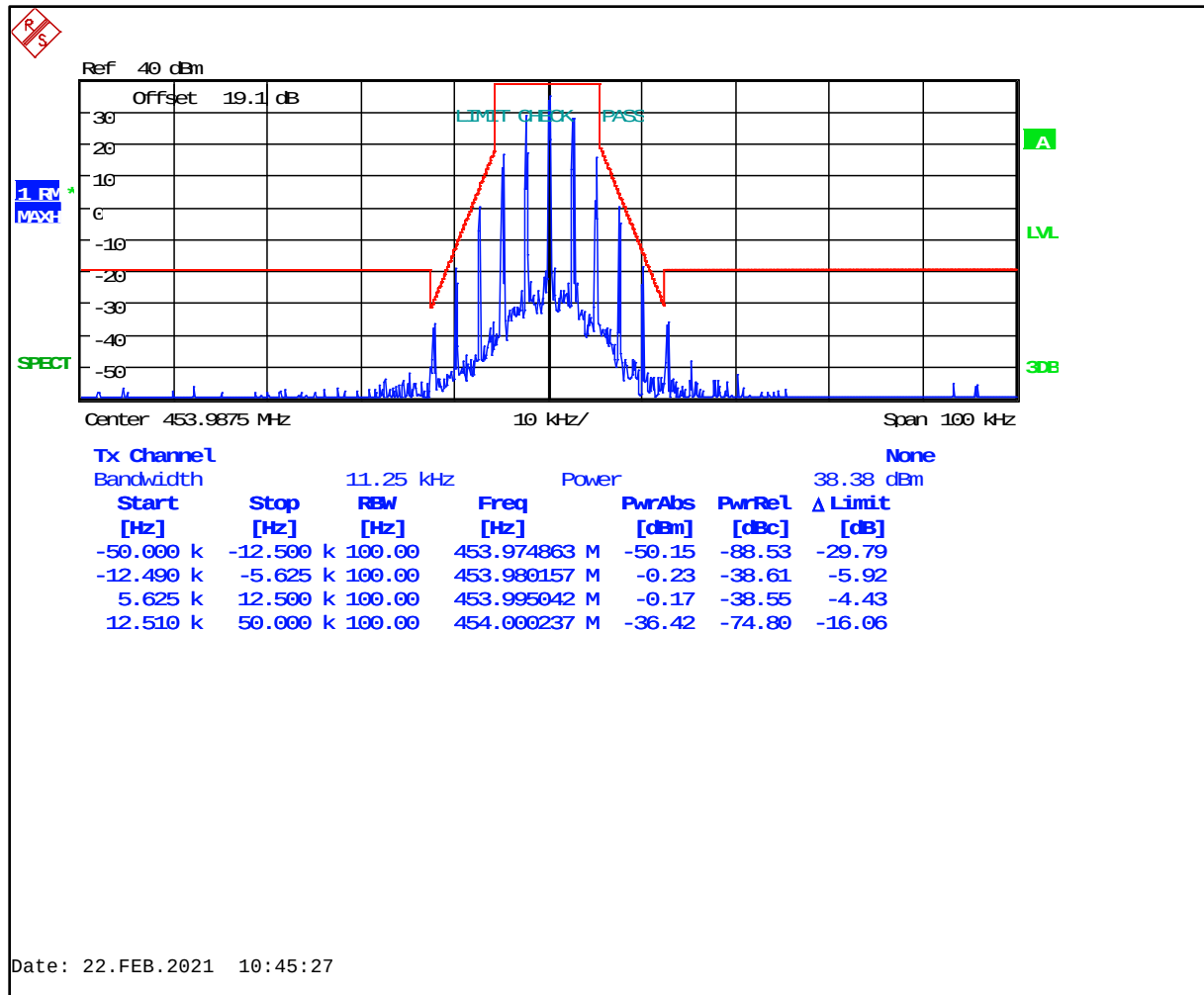
**Plot 8-42: Occupied Bandwidth – 429.9875 MHz; Narrowband Analog; Mask D**



**Plot 8-43: Occupied Bandwidth – 450.0125 MHz; Narrowband Analog; Mask D**



**Plot 8-44: Occupied Bandwidth – 453.9875 MHz; Narrowband Analog; Mask D**



**Plot 8-45: Occupied Bandwidth – 456.0125 MHz; Narrowband Analog; Mask D**

