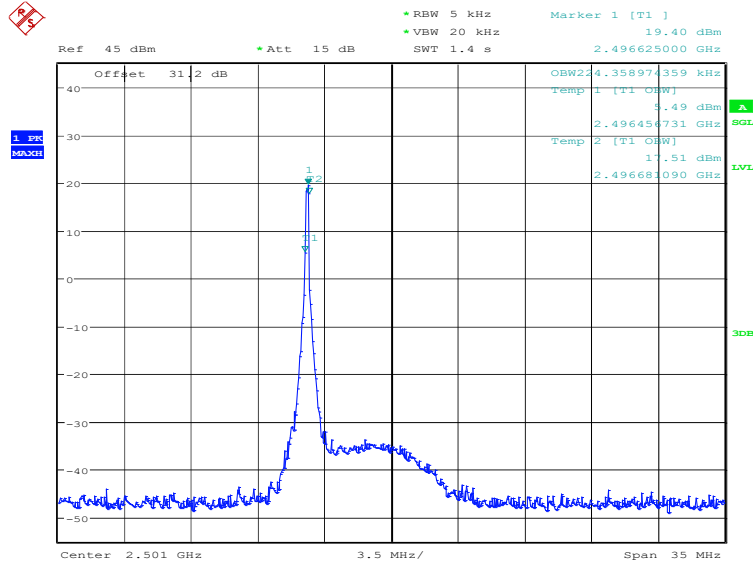


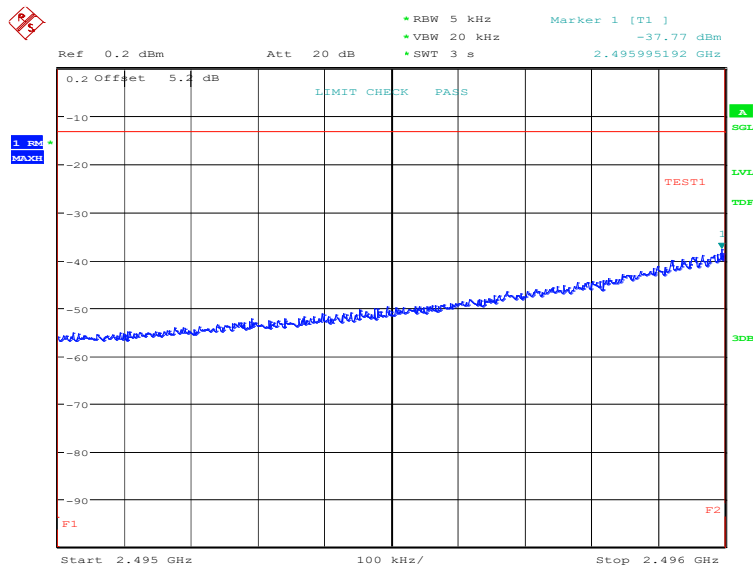
## LTE band 41

### OBW: 1RB-low\_offset

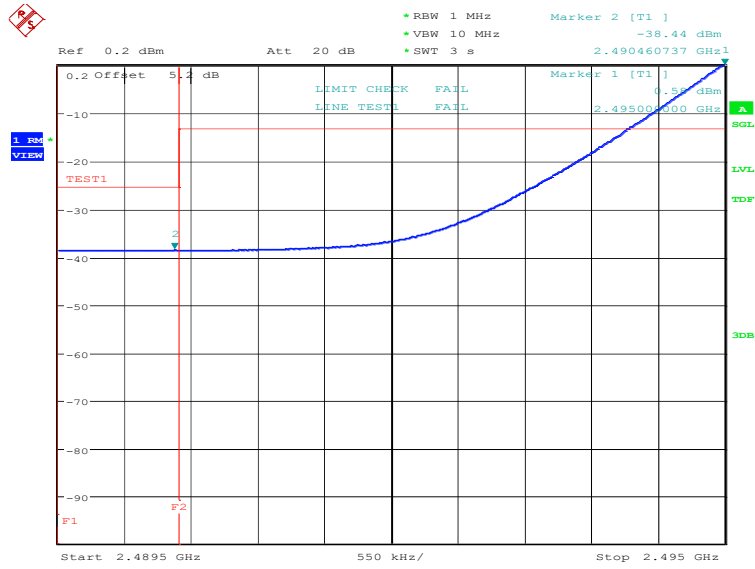


Date: 8.JAN.2024 10:16:26

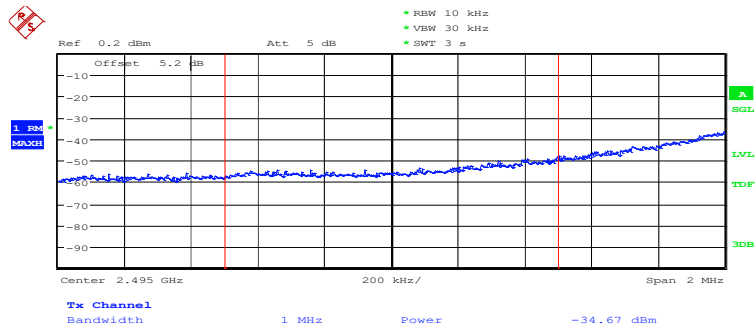
## LOW BAND EDGE BLOCK-1RB-low\_offset



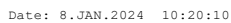
Date: 8.JAN.2024 10:17:08

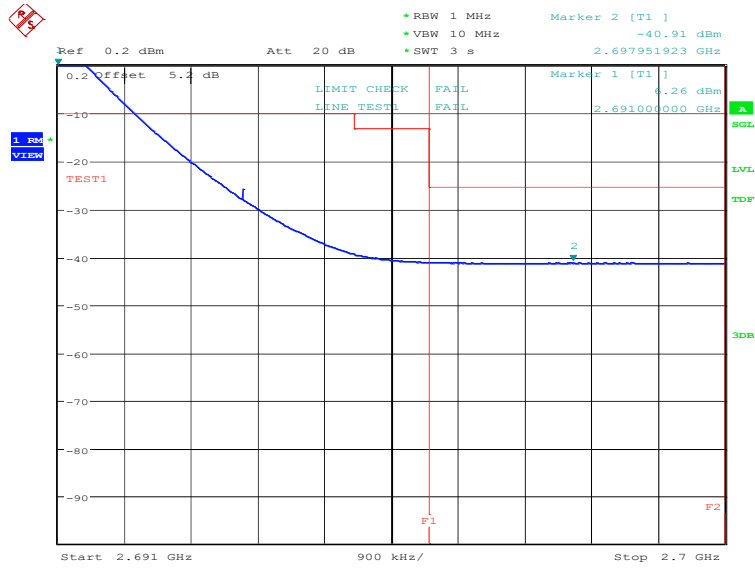


Date: 8.JAN.2024 10:17:52

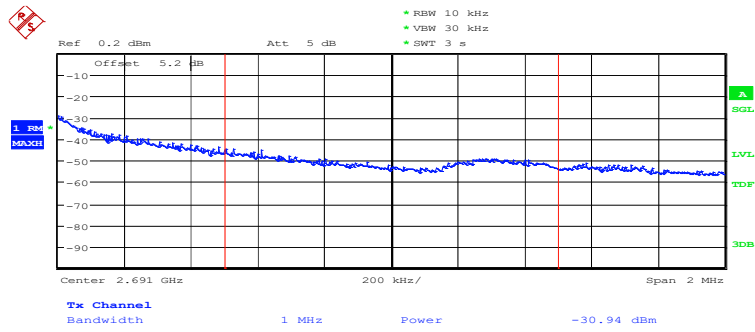


Date: 8.JAN.2024 10:18:10



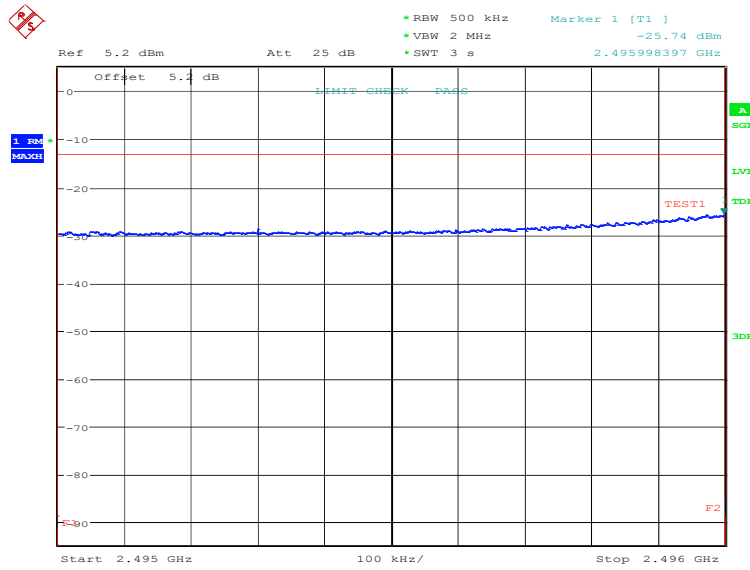


Date: 8.JAN.2024 10:20:58

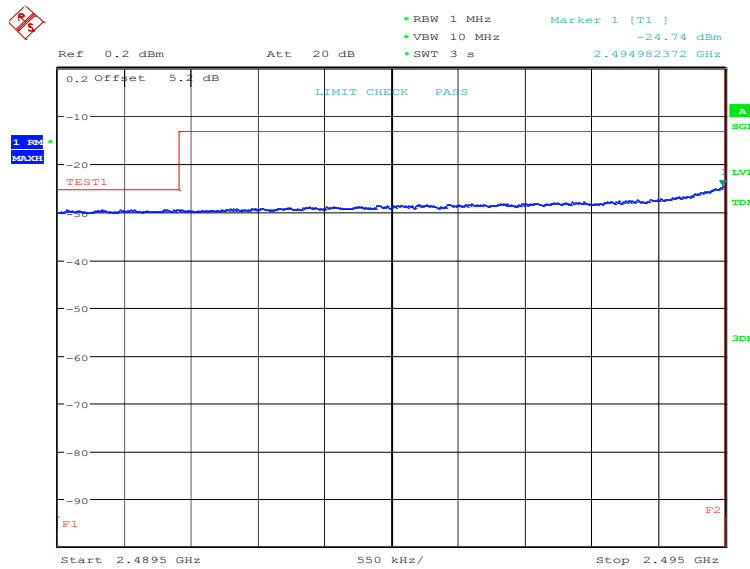


Date: 8.JAN.2024 10:21:15

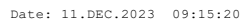
# LOW BAND EDGE BLOCK-20MHz-100%RB



Date: 11.DEC.2023 09:12:45

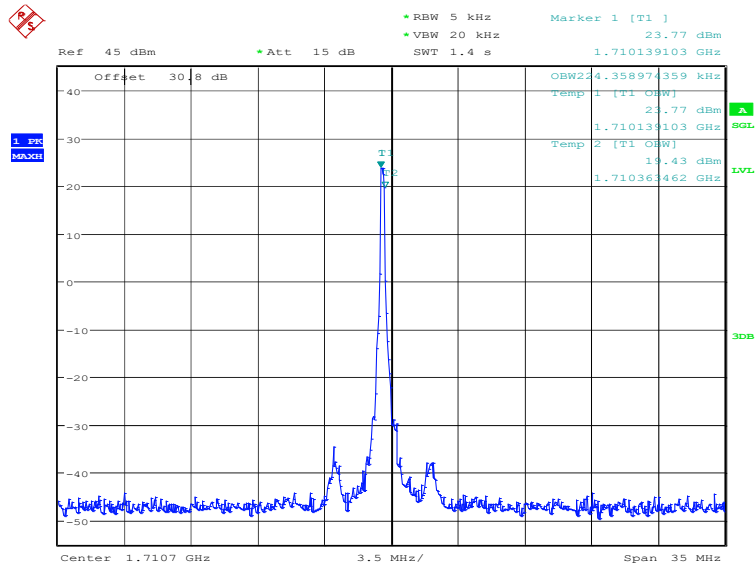


Date: 11.DEC.2023 09:13:24



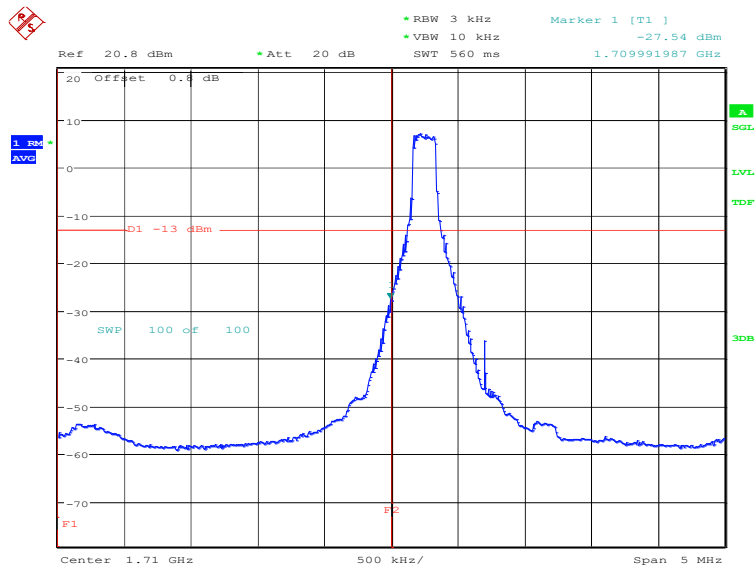
## LTE band 66

### OBW: 1RB-low\_offset



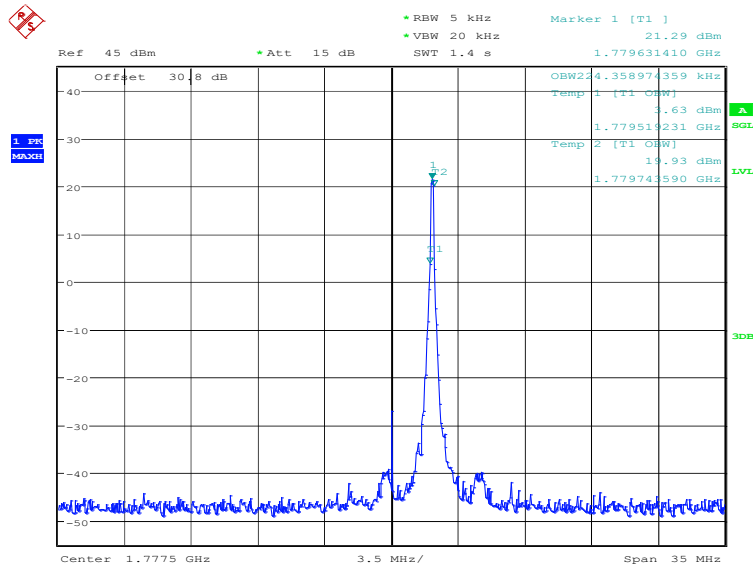
Date: 8.JAN.2024 09:58:04

## LOW BAND EDGE BLOCK-1RB-low\_offset



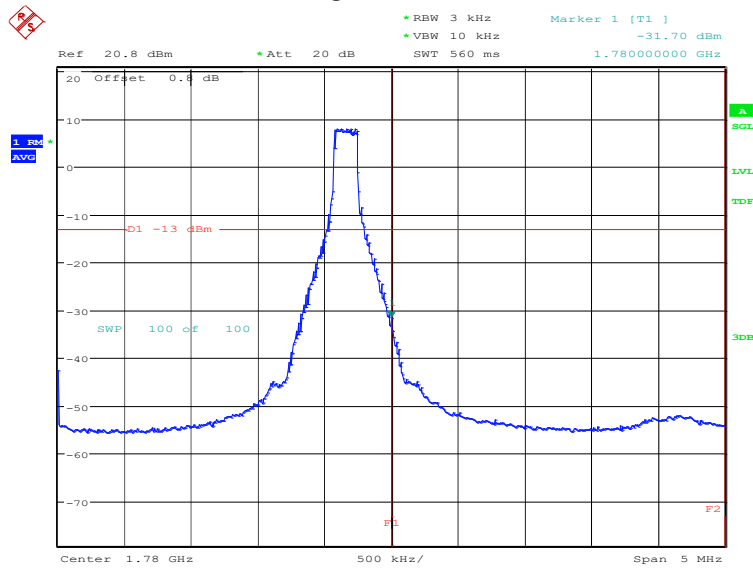
Date: 8.JAN.2024 09:59:18

## OBW: 1RB-high\_offset



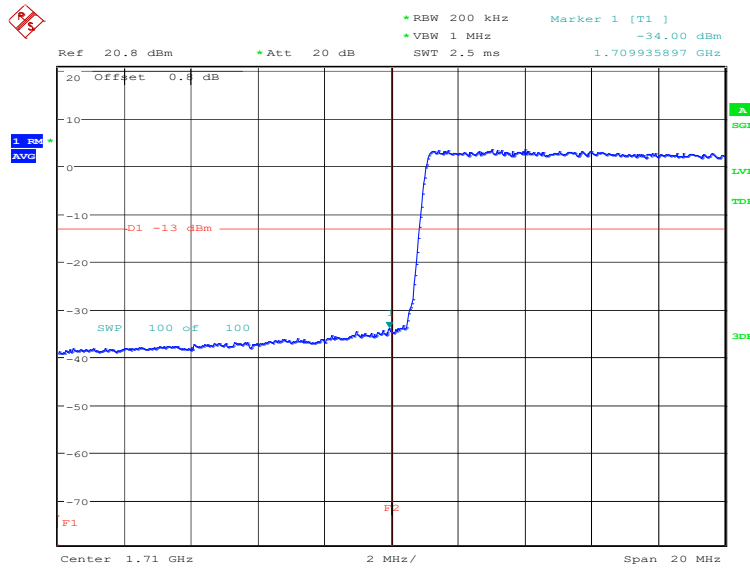
Date: 8.JAN.2024 09:59:59

## HIGH BAND EDGE BLOCK-1RB-high\_offset



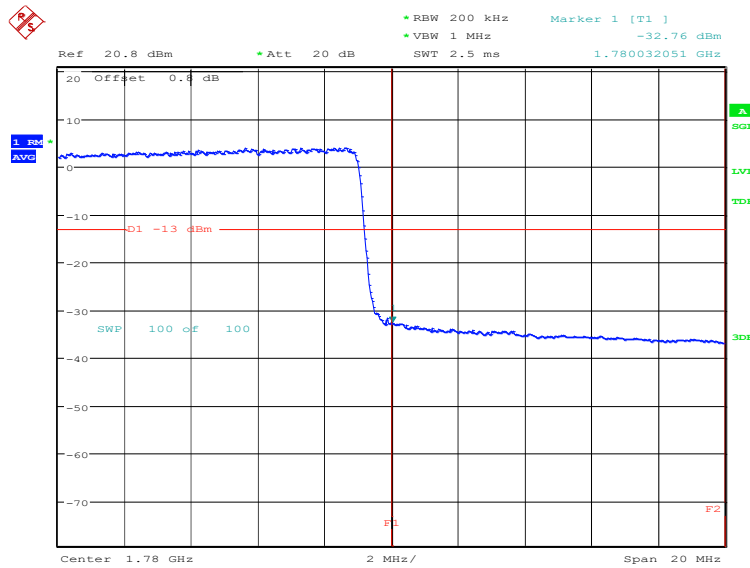
Date: 8.JAN.2024 10:01:13

## LOW BAND EDGE BLOCK-20MHz-100%RB



Date: 11.DEC.2023 09:08:29

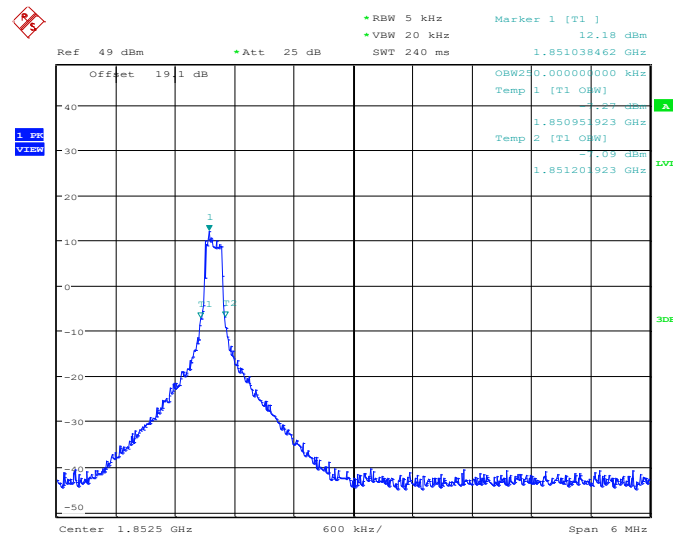
## HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 11.DEC.2023 09:10:02

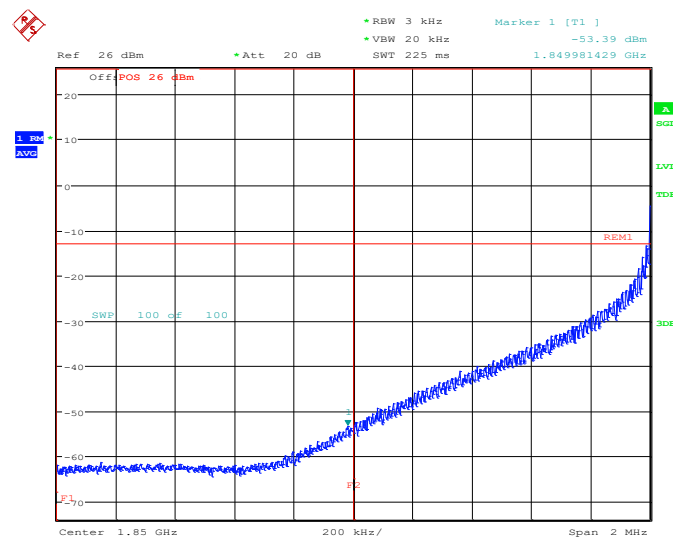
# LTE band 2@CA 2A-4A

## OBW: 1RB-LOW\_offset



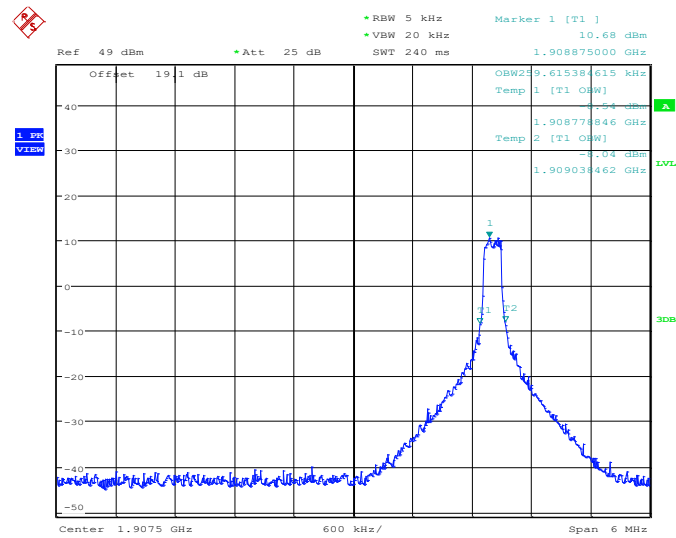
Date: 27.DEC.2023 16:43:34

## LOW BAND EDGE BLOCK-1RB-LOW\_offset



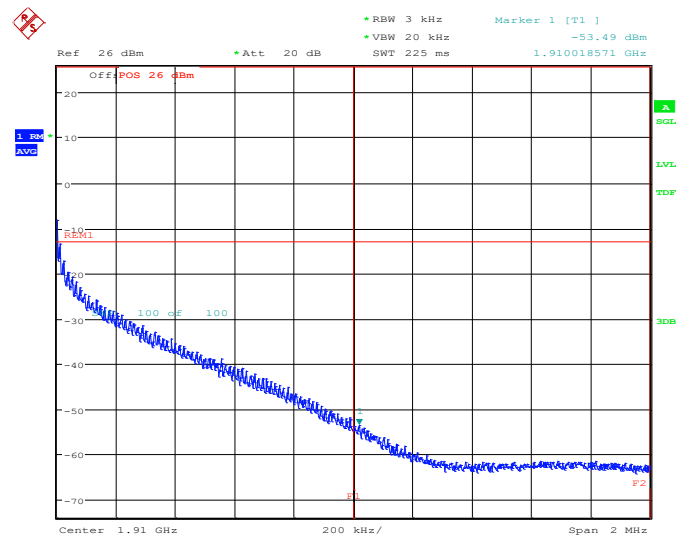
Date: 27.DEC.2023 16:44:37

## OBW: 1RB-HIGH\_offset



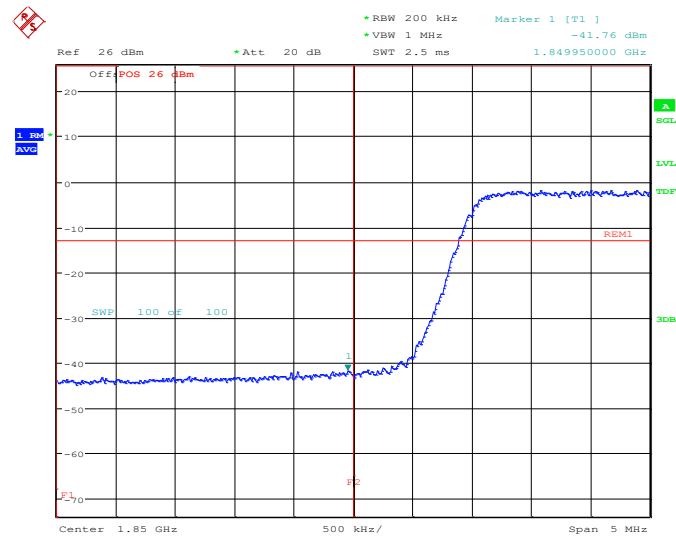
Date: 27.DEC.2023 16:47:01

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



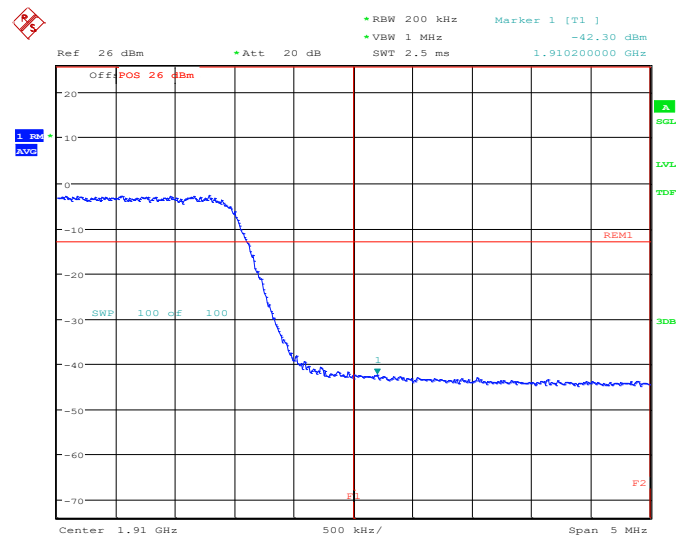
Date: 27.DEC.2023 16:48:03

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:00:28

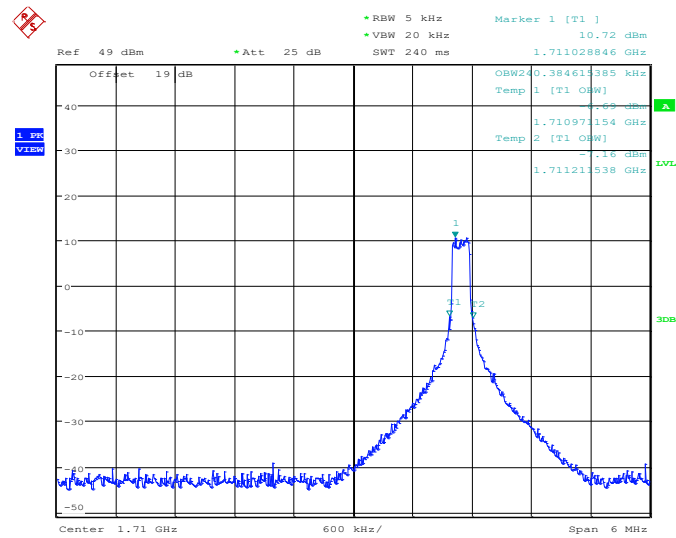
## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:02:31

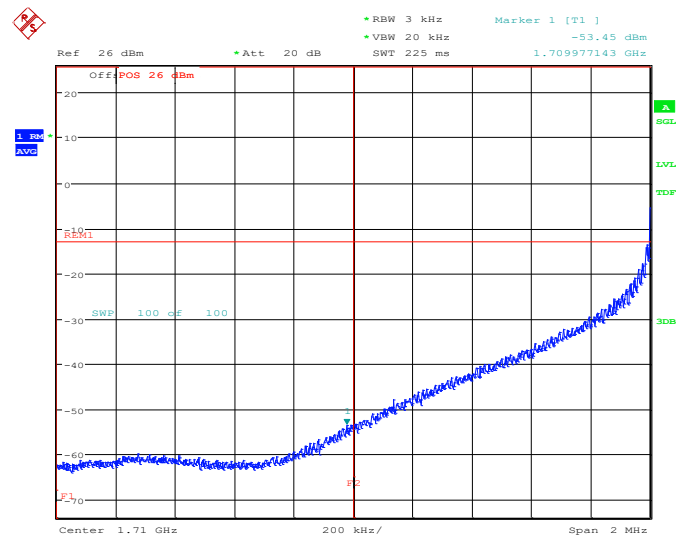
## LTE band 4@CA 2A-4A

### OBW: 1RB-LOW\_offset



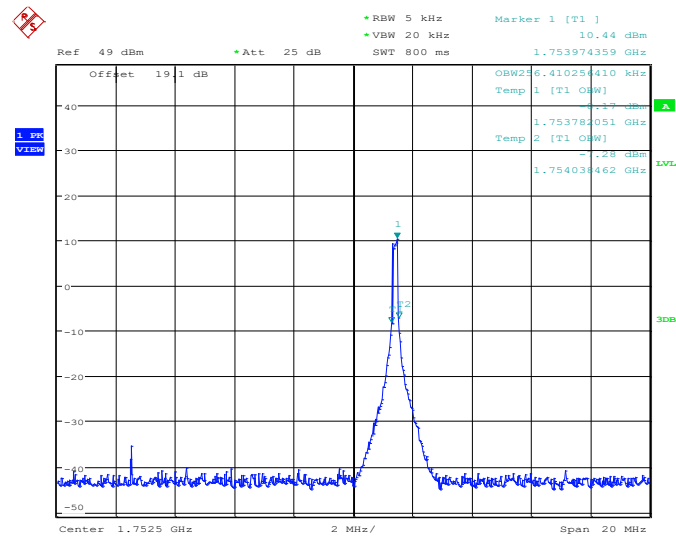
Date: 27.DEC.2023 16:44:58

## LOW BAND EDGE BLOCK-1RB-LOW\_offset



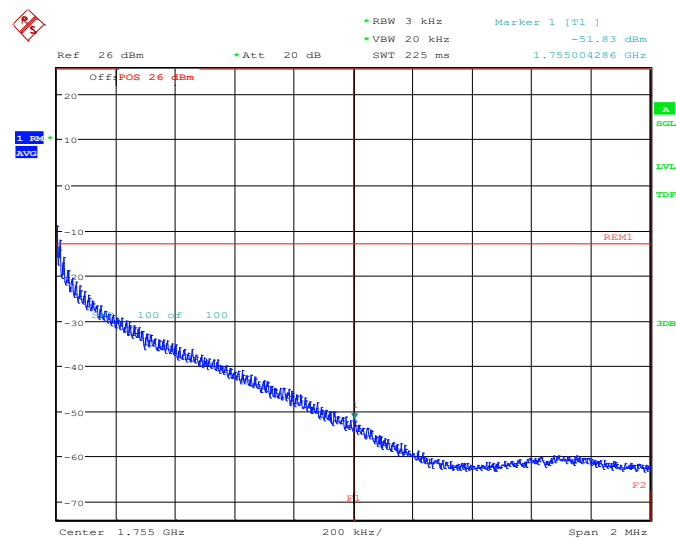
Date: 27.DEC.2023 16:46:03

## OBW: 1RB-HIGH\_offset



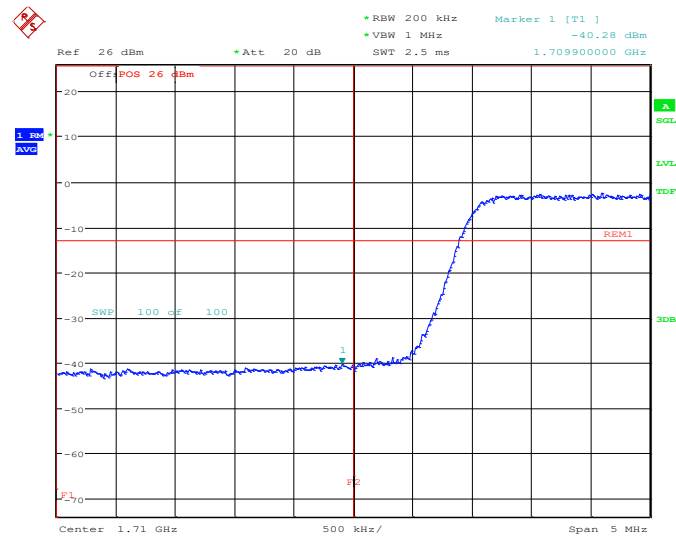
Date: 27.DEC.2023 16:48:24

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



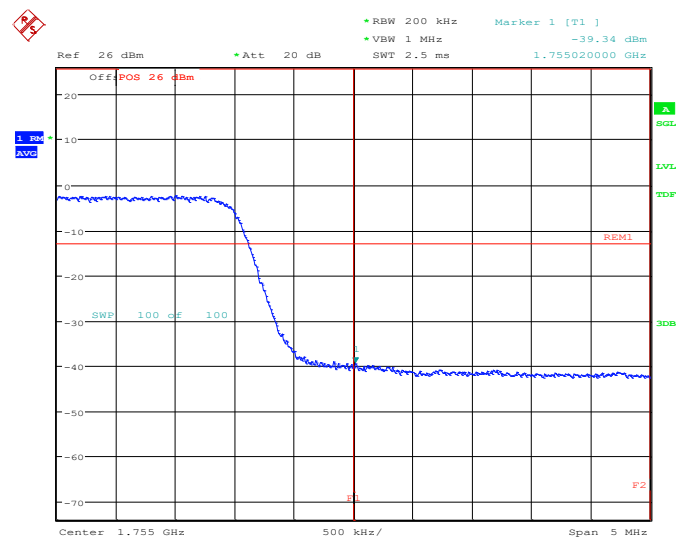
Date: 27.DEC.2023 16:49:27

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:01:12

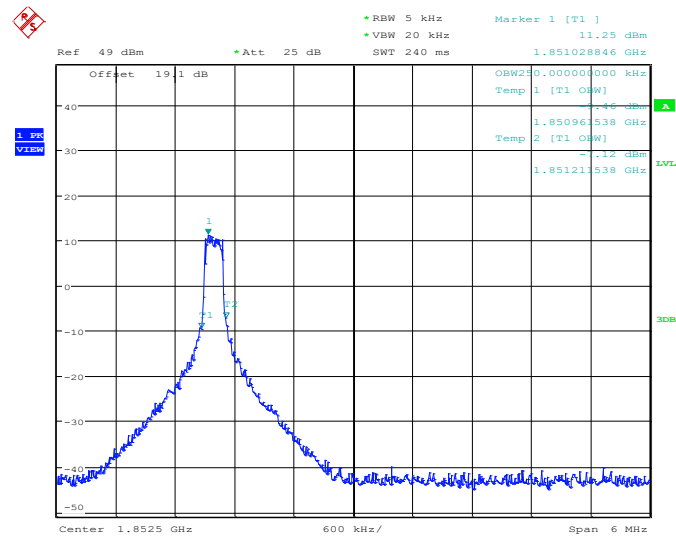
## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:03:13

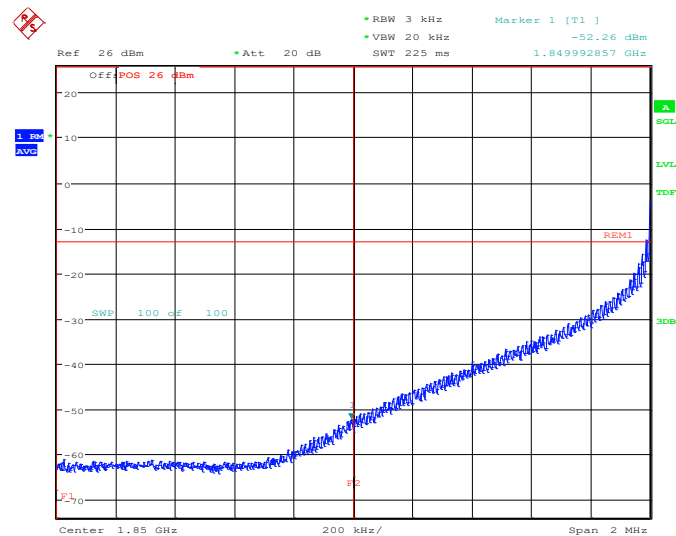
## LTE band 2@CA 2A-7A

OBW: 1RB-LOW\_offset



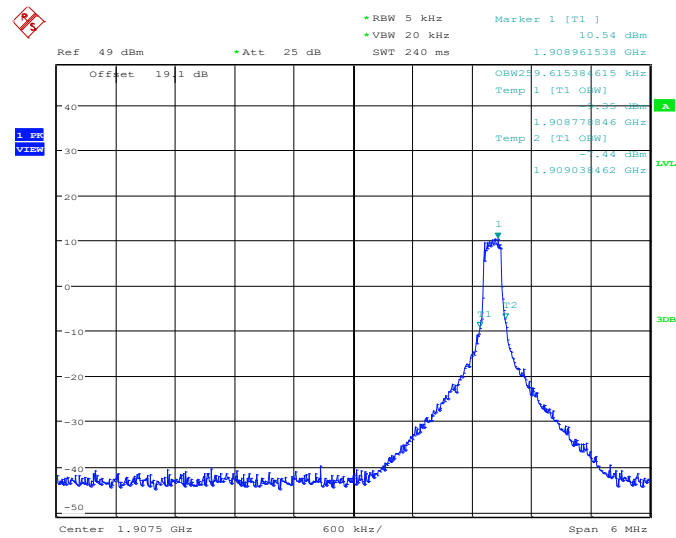
Date: 27.DEC.2023 16:58:46

## LOW BAND EDGE BLOCK-1RB-LOW\_offset



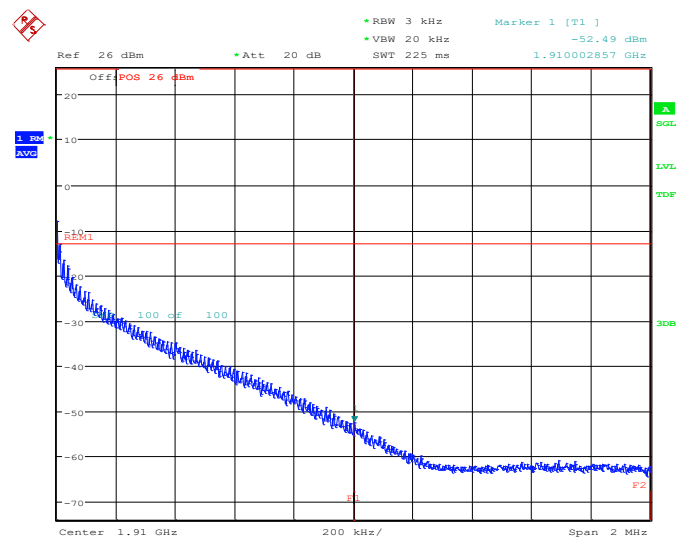
Date: 27.DEC.2023 16:59:49

## OBW: 1RB-HIGH\_offset



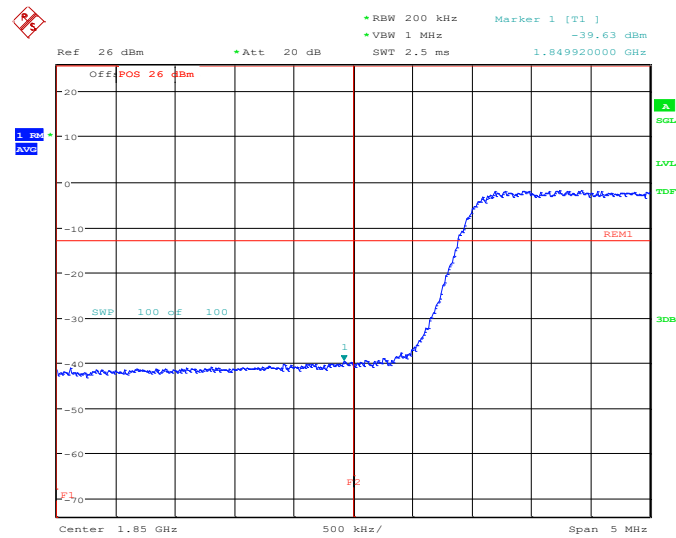
Date: 27.DEC.2023 17:02:39

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



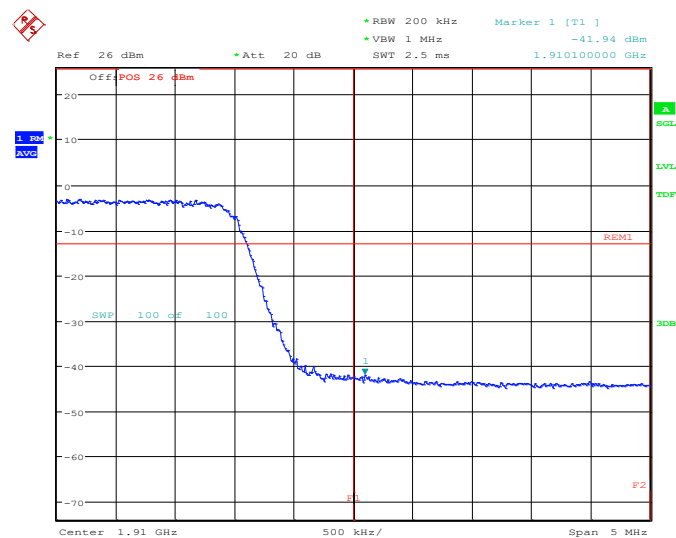
Date: 27.DEC.2023 17:03:42

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:09:07

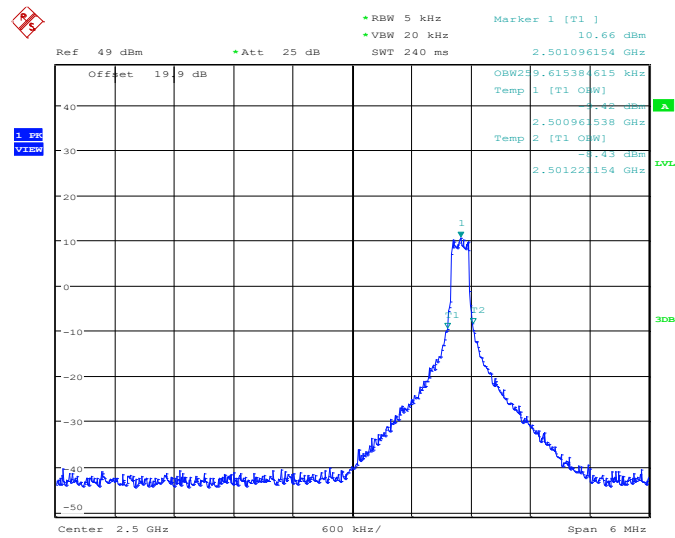
## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:11:57

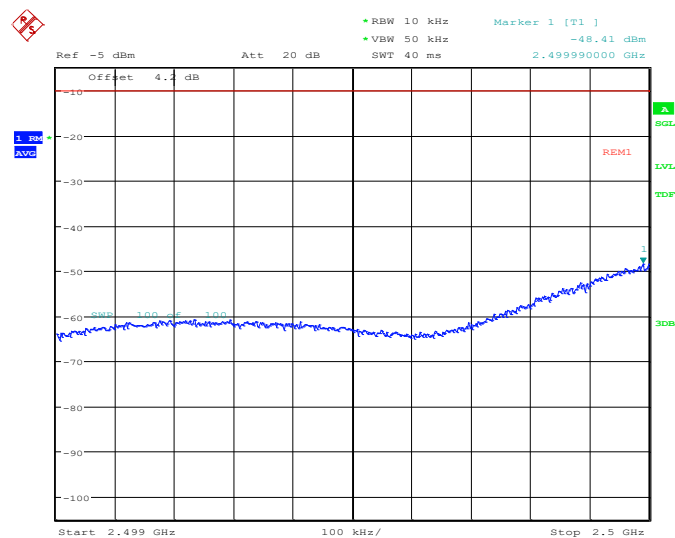
## LTE band 7@CA 2A-7A

### OBW: 1RB-LOW\_offset



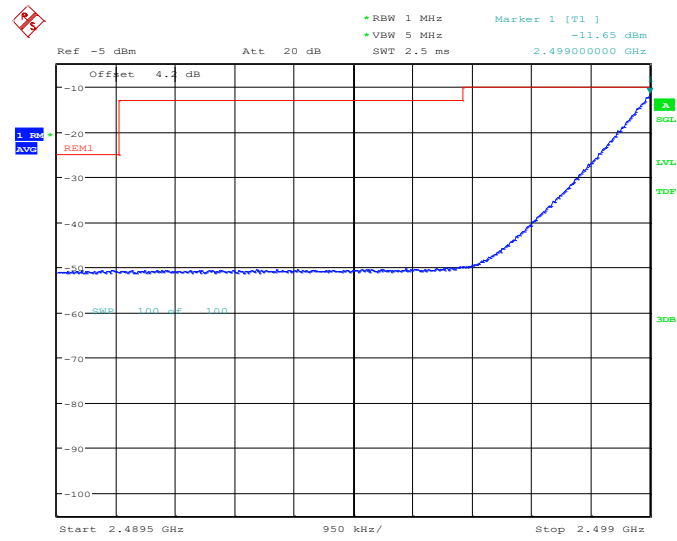
Date: 27.DEC.2023 17:00:10

## LOW BAND EDGE BLOCK-1RB-LOW\_offset



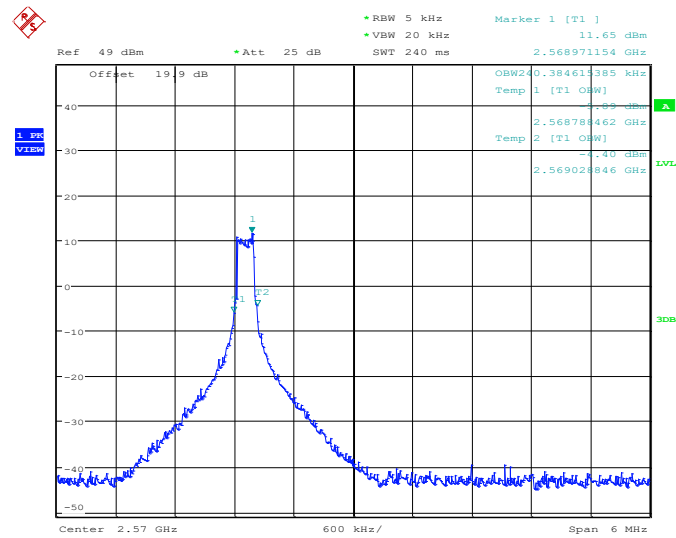
Date: 27.DEC.2023 17:00:58

## LOW BAND EDGE BLOCK-1RB-LOW\_offset



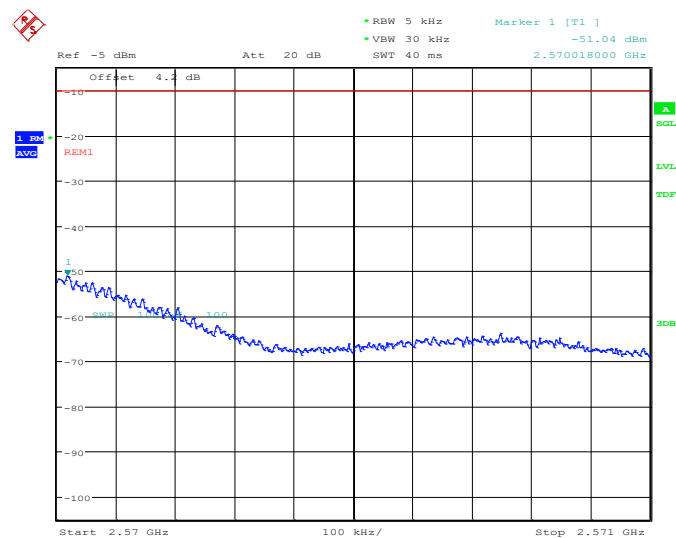
Date: 27.DEC.2023 17:01:42

## OBW: 1RB-HIGH\_offset



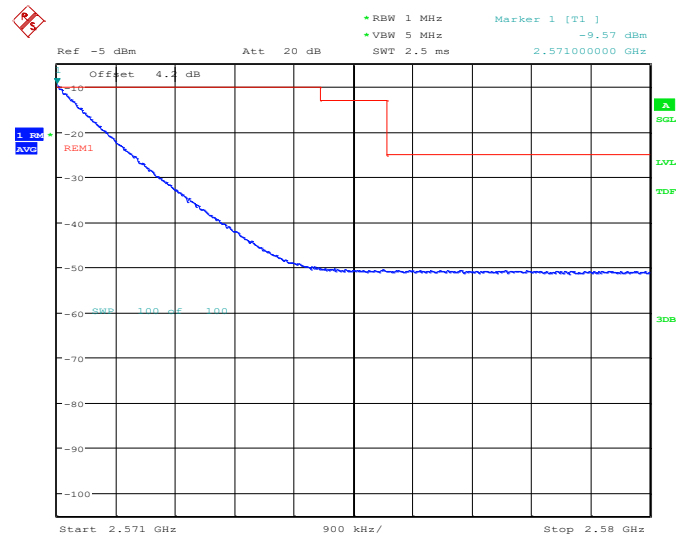
Date: 27.DEC.2023 17:04:03

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



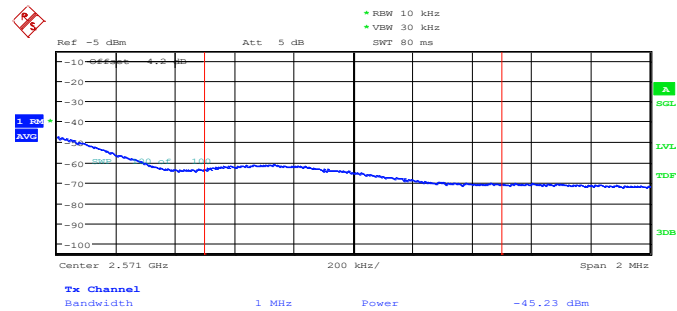
Date: 27.DEC.2023 17:04:51

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



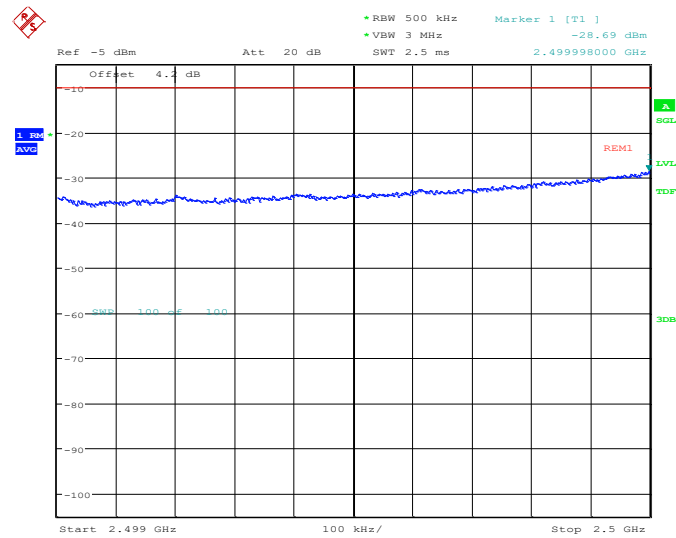
Date: 27.DEC.2023 17:05:36

## Channel power



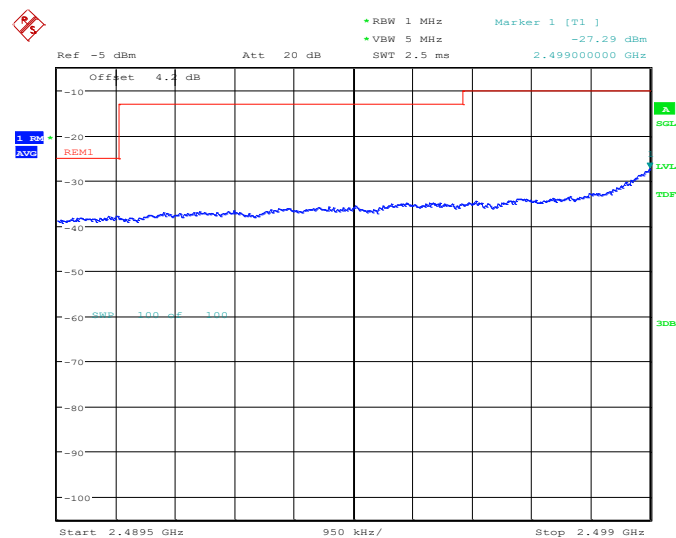
Date: 27.DEC.2023 17:06:10

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



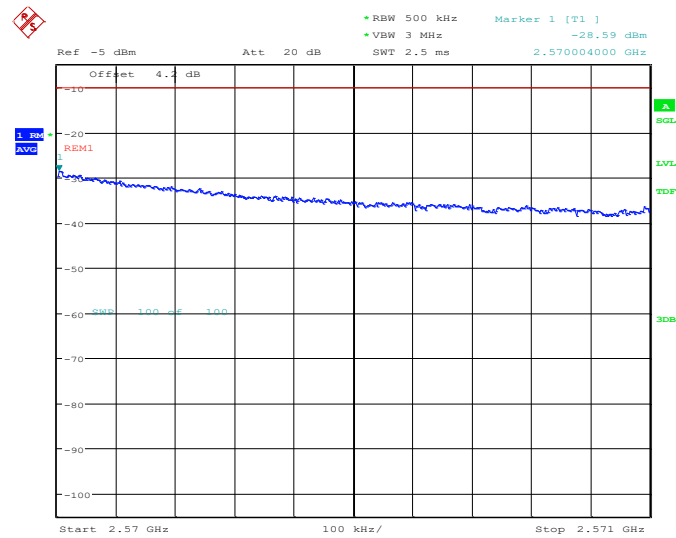
Date: 27.DEC.2023 16:09:52

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



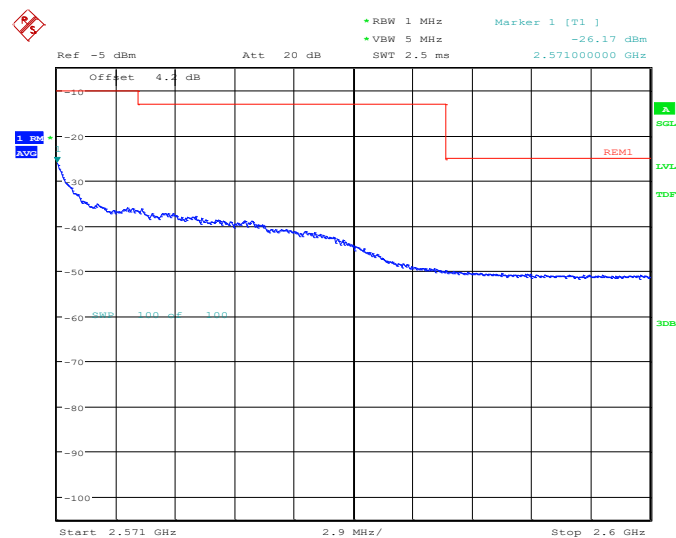
Date: 27.DEC.2023 16:10:37

## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:12:42

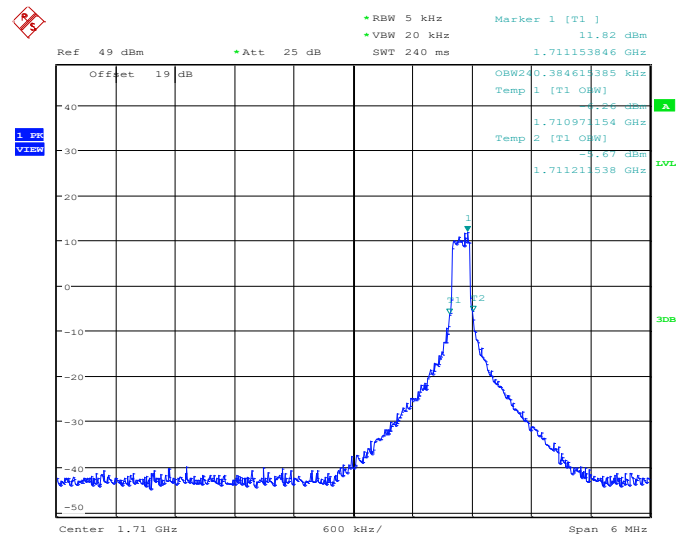
## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:13:26

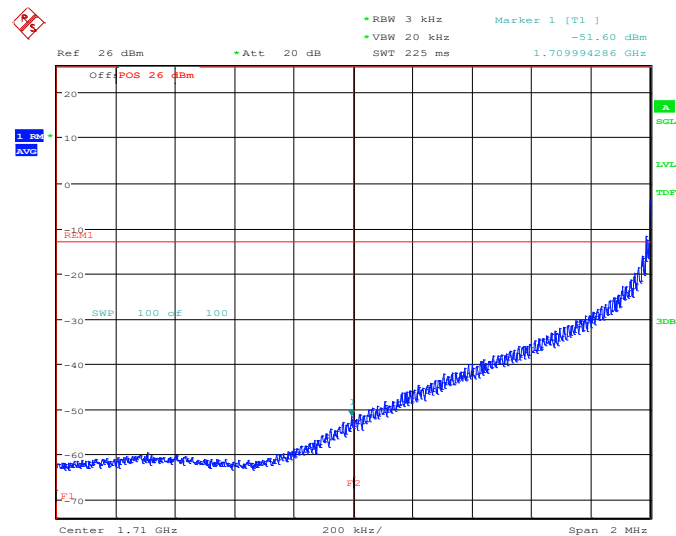
LTE band 4@CA 4A-5A

OBW: 1RB-LOW\_offset



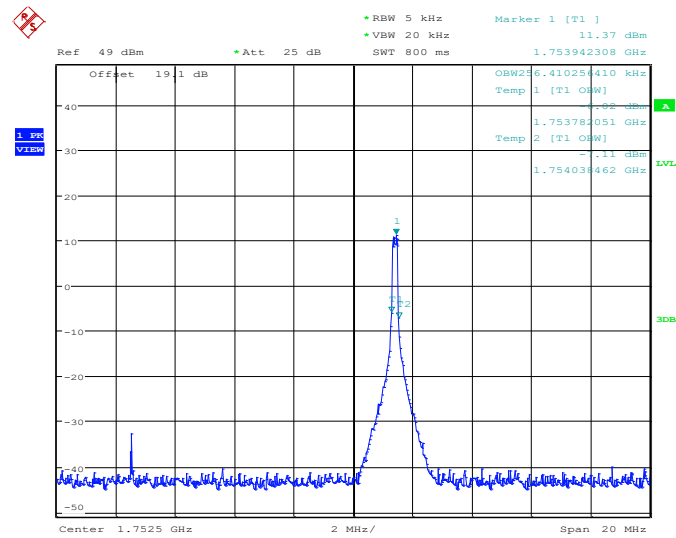
Date: 27.DEC.2023 16:50:34

LOW BAND EDGE BLOCK-1RB-LOW\_offset



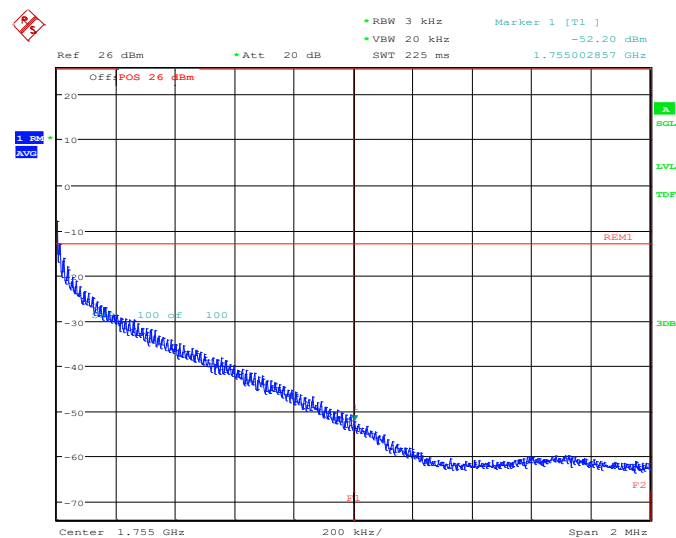
Date: 27.DEC.2023 16:51:39

## OBW: 1RB-HIGH\_offset



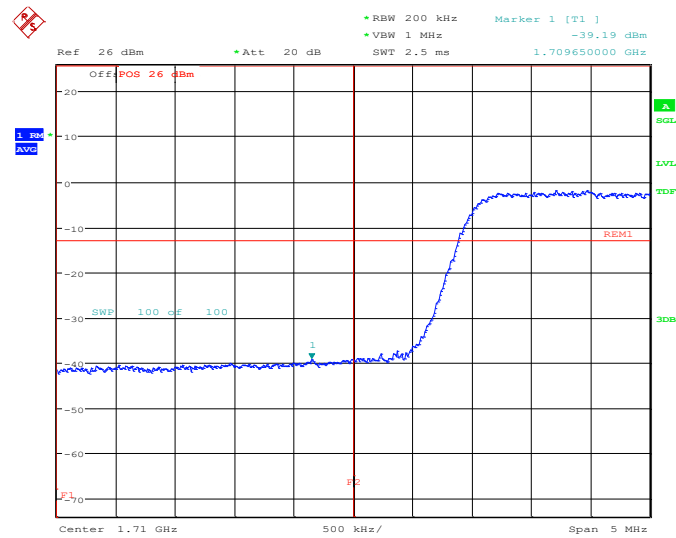
Date: 27.DEC.2023 16:54:34

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



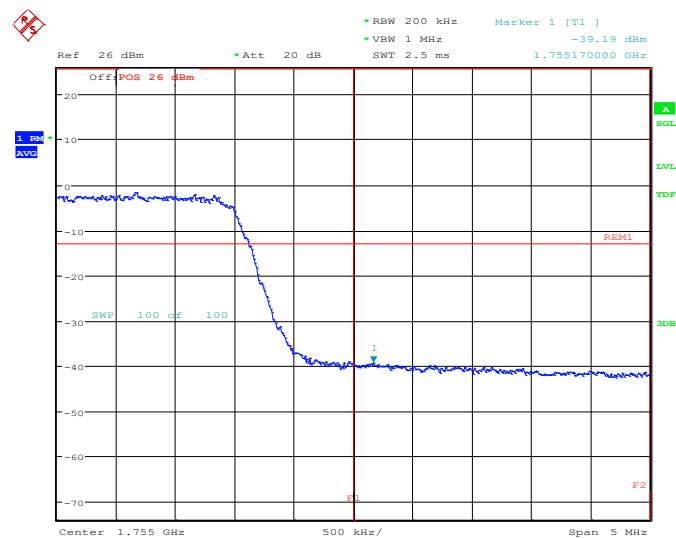
Date: 27.DEC.2023 16:55:37

## LOW BAND EDGE BLOCK-20MHz+10MHz-100%RB



Date: 27.DEC.2023 16:04:57

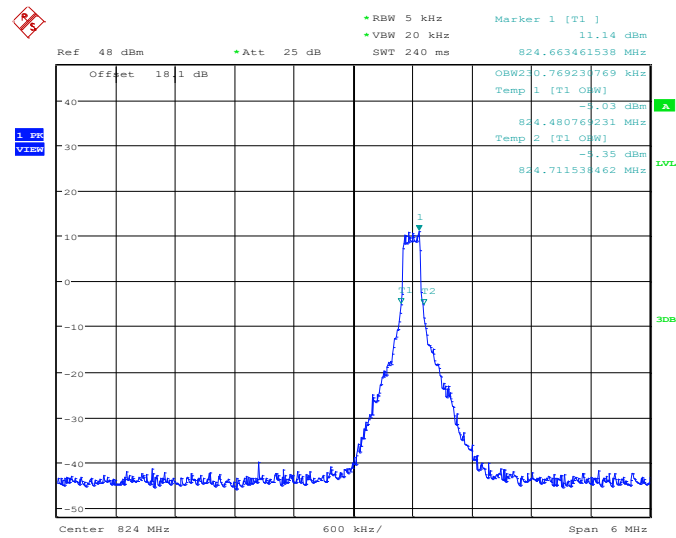
## HIGH BAND EDGE BLOCK-20MHz+10MHz-100%RB



Date: 27.DEC.2023 16:06:57

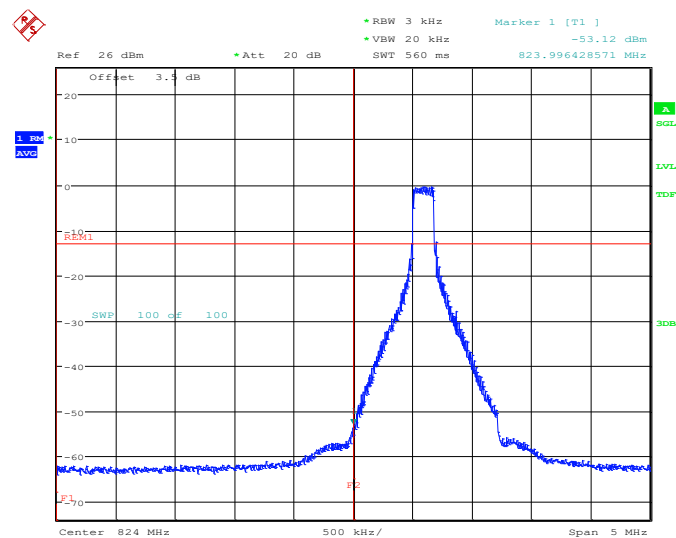
LTE band 5@CA 4A-5A

OBW: 1RB-LOW\_offset



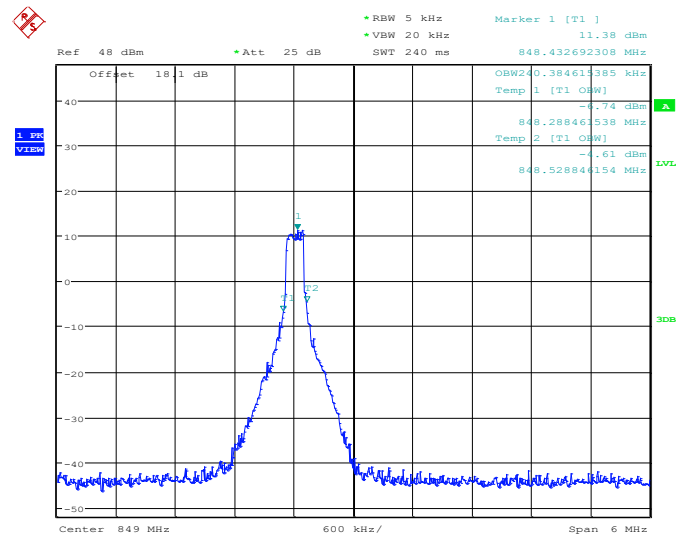
Date: 27.DEC.2023 16:52:00

LOW BAND EDGE BLOCK-1RB-LOW\_offset



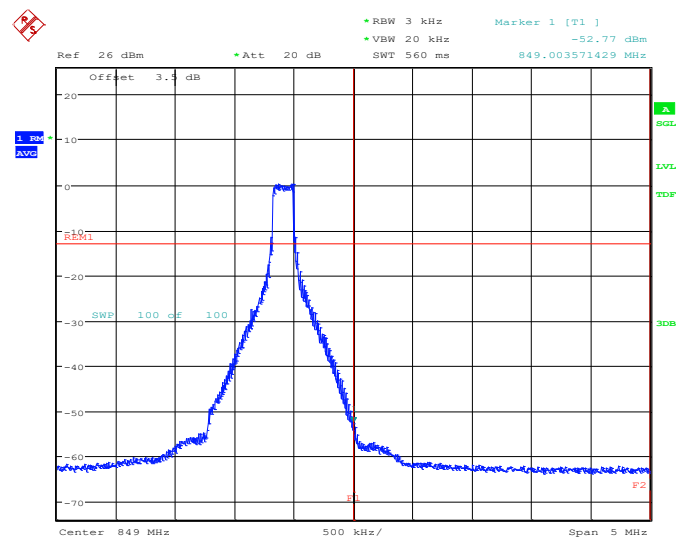
Date: 27.DEC.2023 16:53:37

## OBW: 1RB-HIGH\_offset



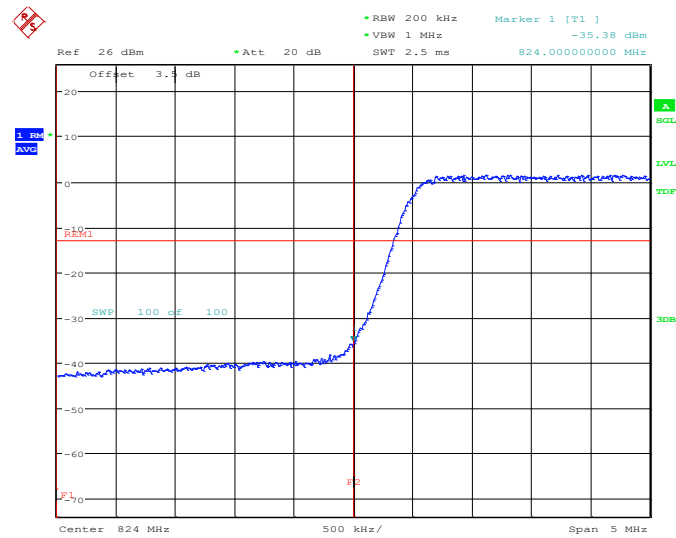
Date: 27.DEC.2023 16:55:58

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



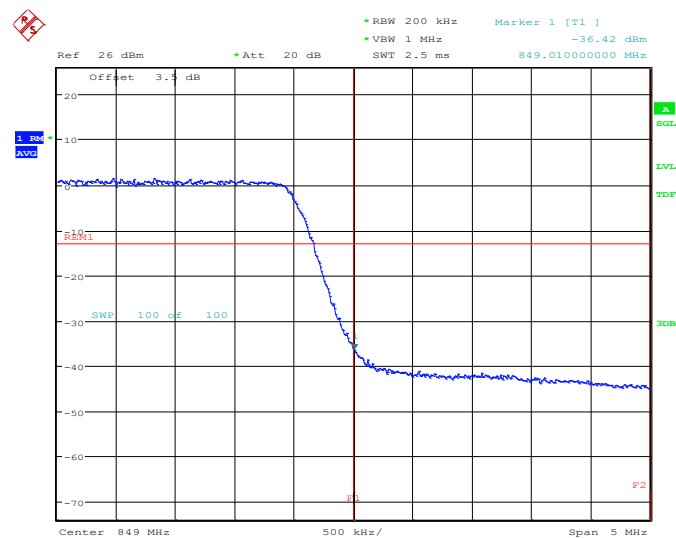
Date: 27.DEC.2023 16:57:36

## LOW BAND EDGE BLOCK-20MHz+10MHz-100%RB



Date: 27.DEC.2023 16:05:39

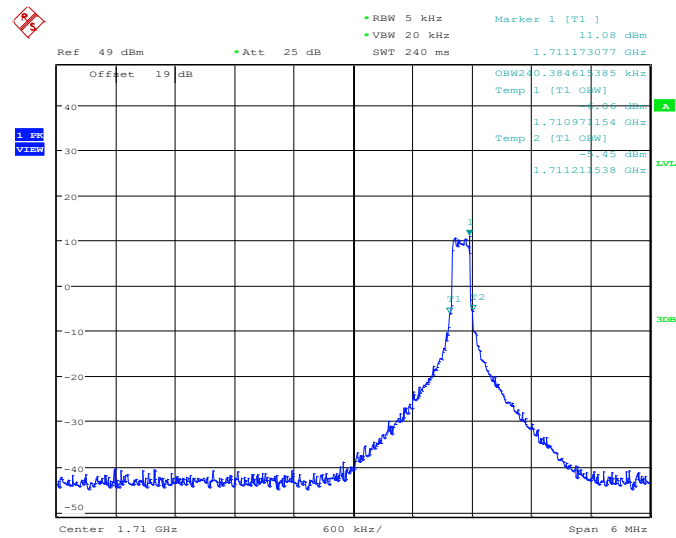
## HIGH BAND EDGE BLOCK-20MHz+10MHz-100%RB



Date: 27.DEC.2023 16:07:39

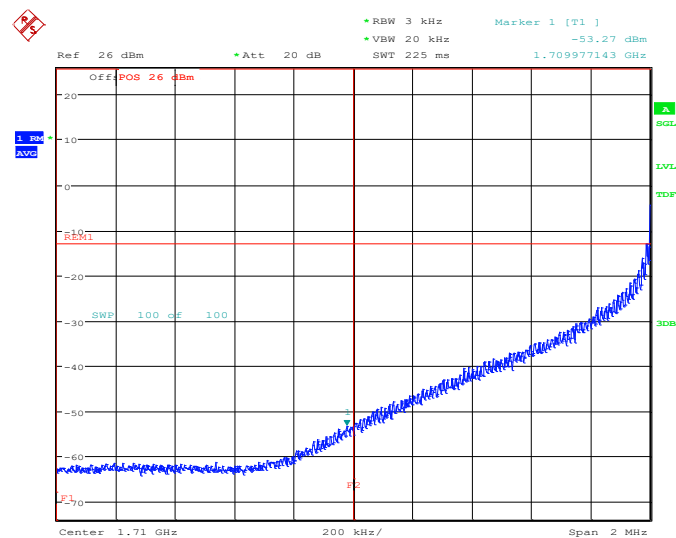
LTE band 4@CA 4A-7A

OBW: 1RB-LOW\_offset



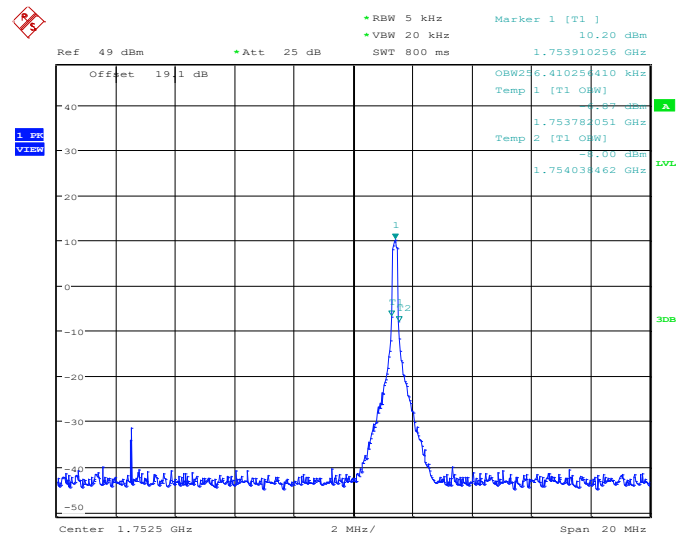
Date: 27.DEC.2023 17:07:13

LOW BAND EDGE BLOCK-1RB-LOW\_offset



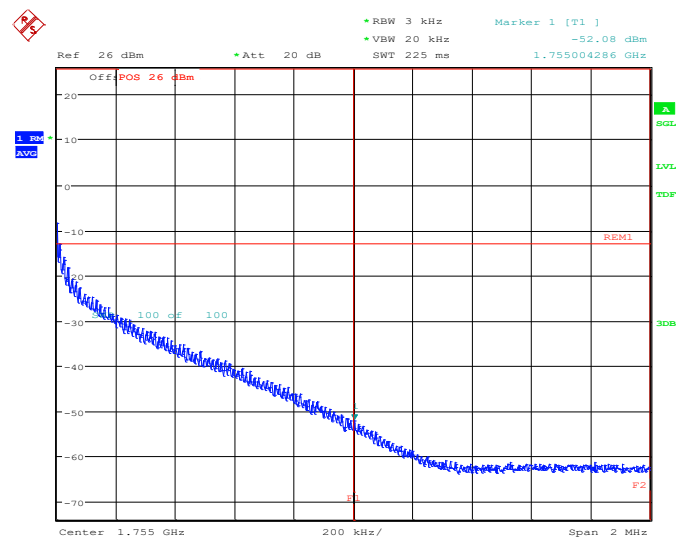
Date: 27.DEC.2023 17:08:18

## OBW: 1RB-HIGH\_offset



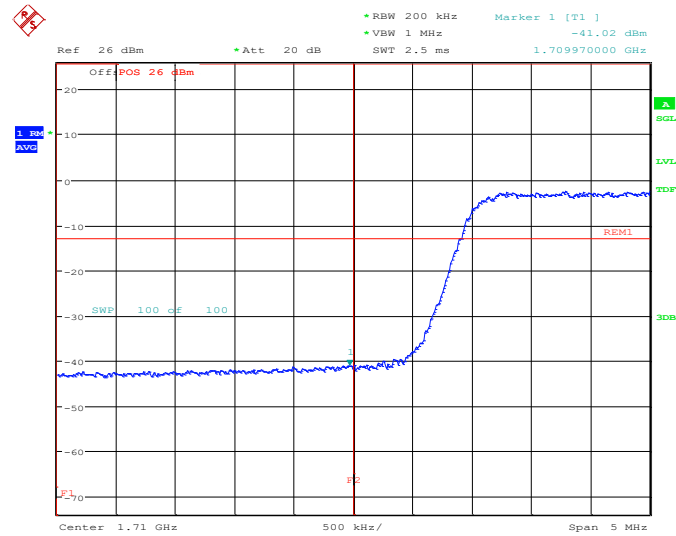
Date: 27.DEC.2023 17:11:08

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



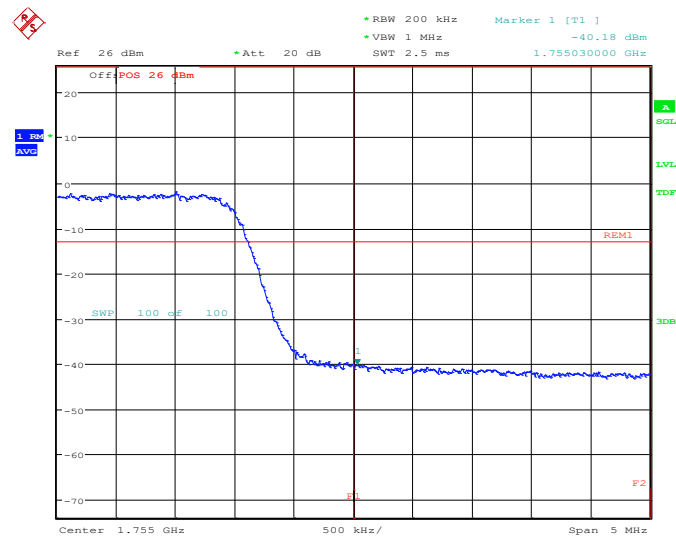
Date: 27.DEC.2023 17:12:11

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:14:54

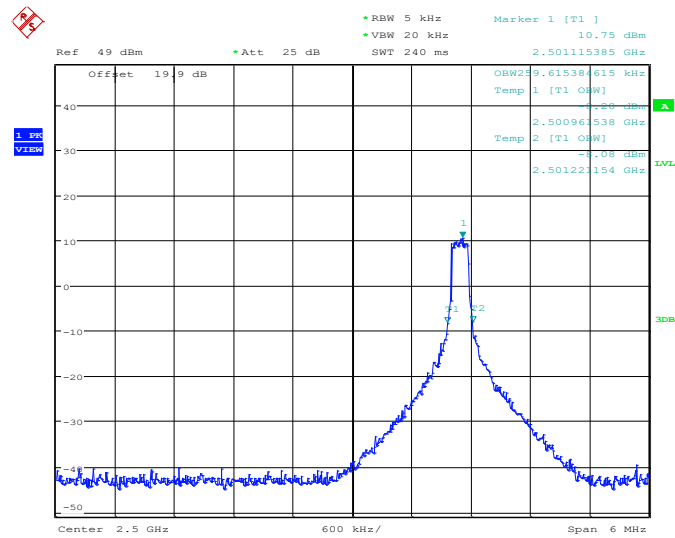
## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:17:41

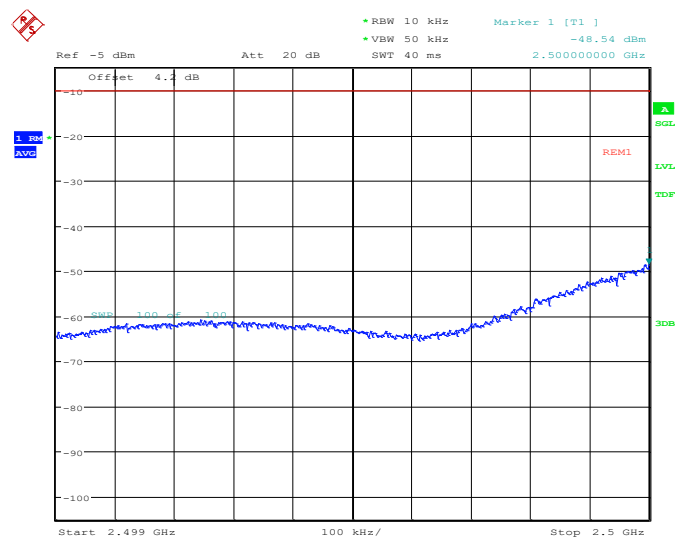
## LTE band 7@CA 4A-7A

### OBW: 1RB-LOW\_offset



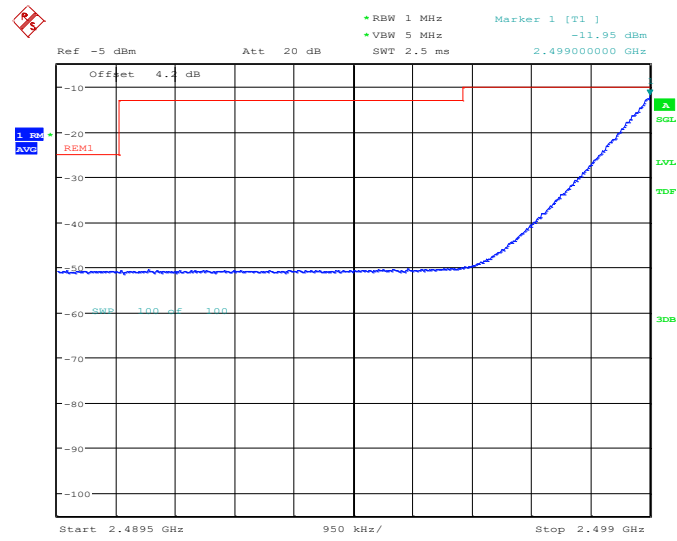
Date: 27.DEC.2023 17:08:39

## LOW BAND EDGE BLOCK-1RB-LOW\_offset



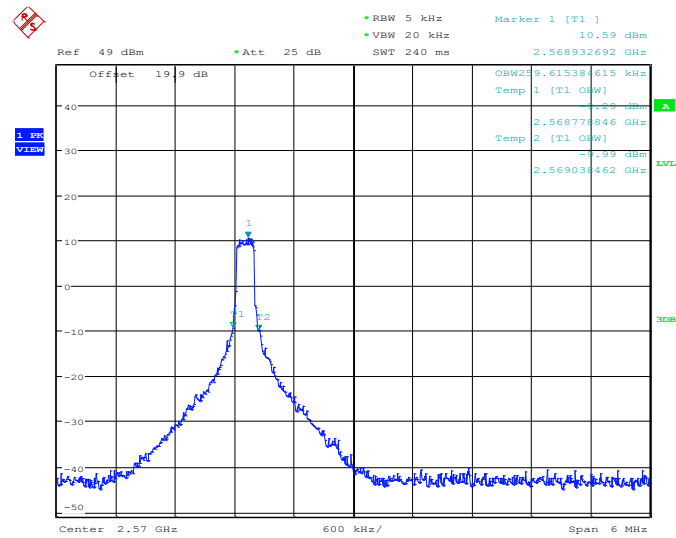
Date: 27.DEC.2023 17:09:26

## LOW BAND EDGE BLOCK-1RB-LOW\_offset



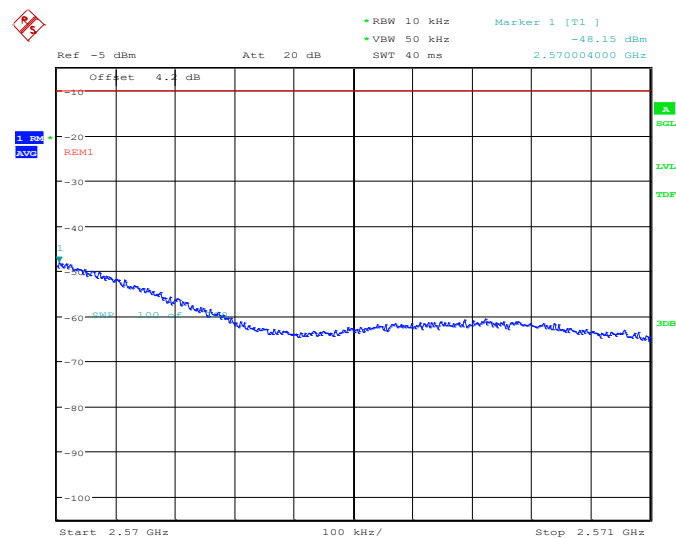
Date: 27.DEC.2023 17:10:11

## OBW: 1RB-HIGH\_offset



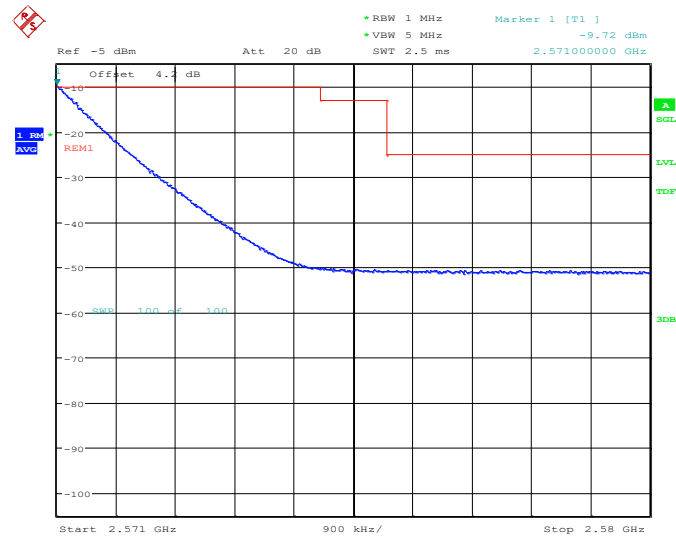
Date: 27.DEC.2023 17:12:32

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



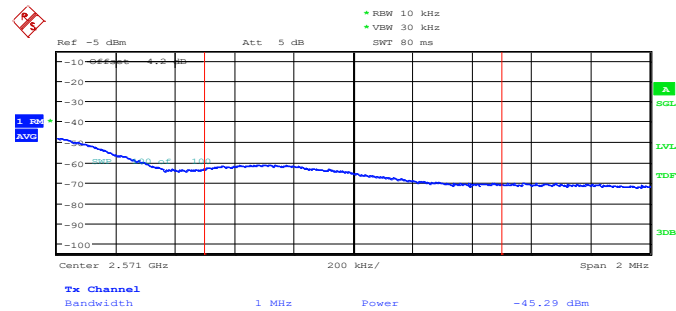
Date: 27.DEC.2023 17:13:20

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



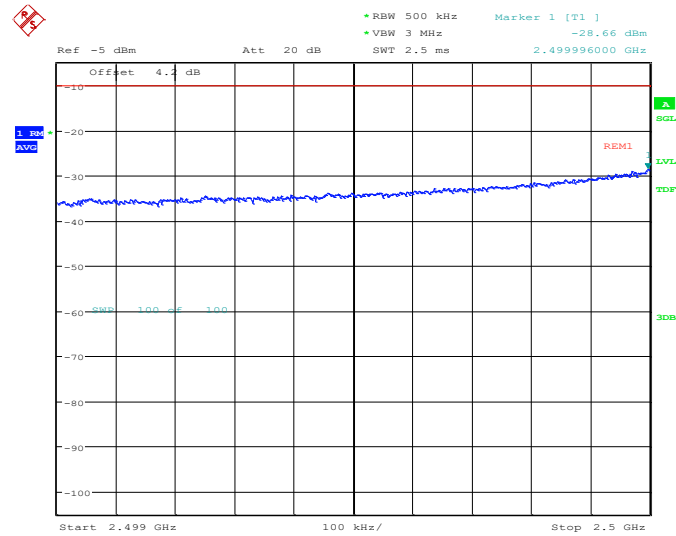
Date: 27.DEC.2023 17:14:05

## Channel power



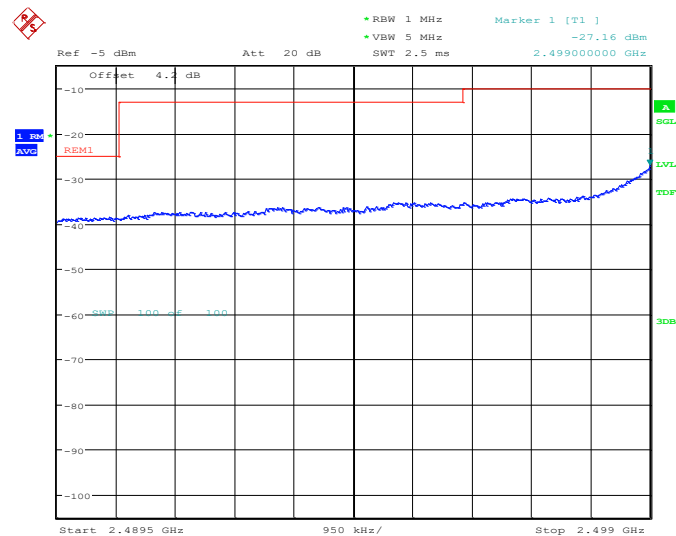
Date: 27.DEC.2023 17:14:38

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



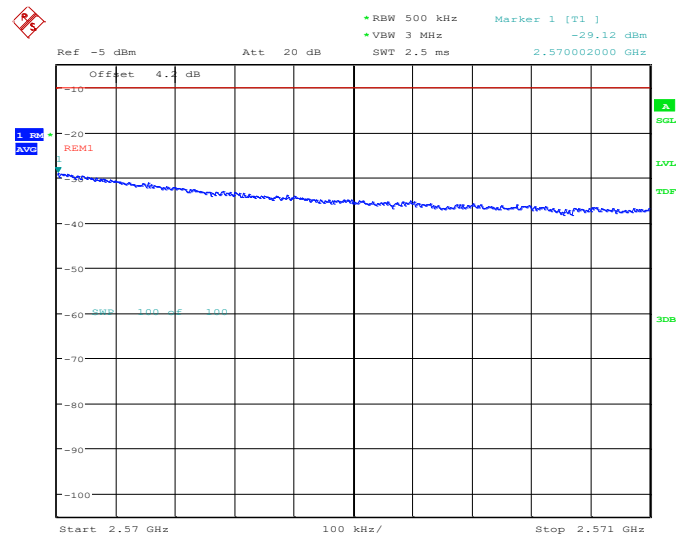
Date: 27.DEC.2023 16:15:39

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



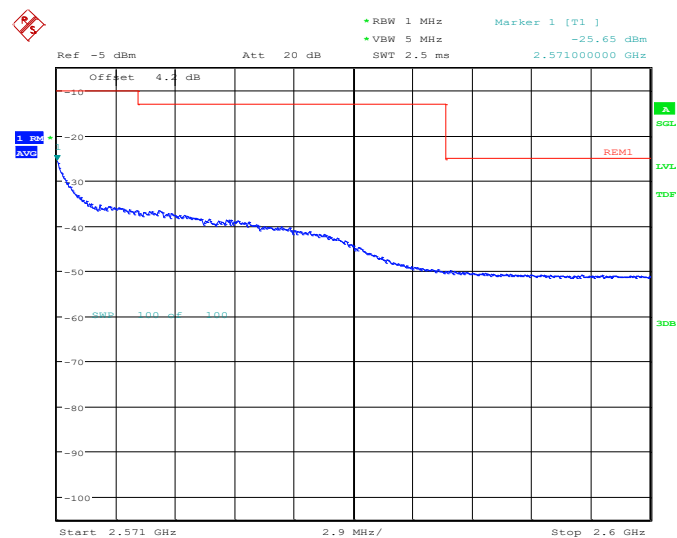
Date: 27.DEC.2023 16:16:23

## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:18:26

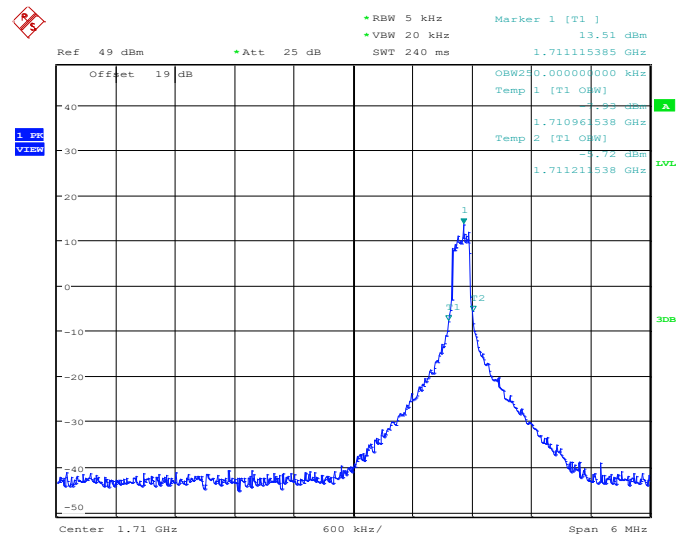
## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 27.DEC.2023 16:19:10

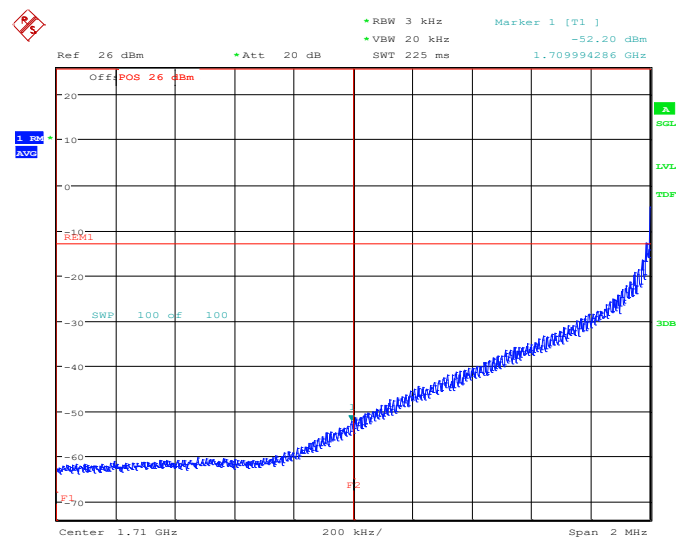
## LTE band 4@CA 4A-12A

### OBW: 1RB-LOW\_offset



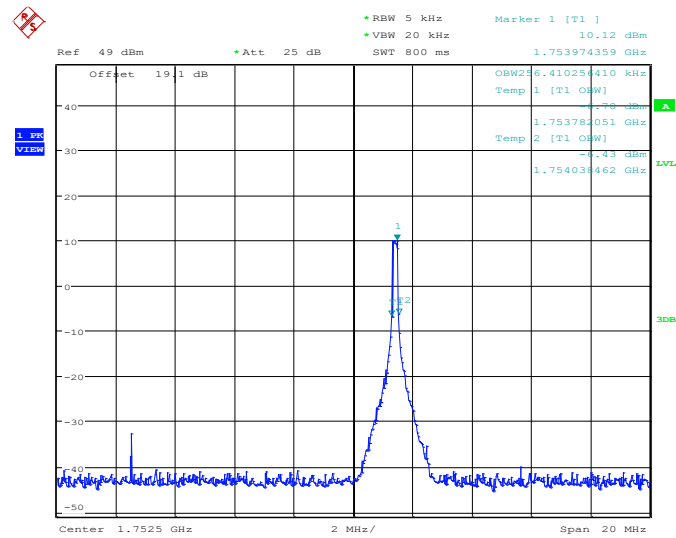
Date: 27.DEC.2023 17:25:35

### LOW BAND EDGE BLOCK-1RB-LOW\_offset



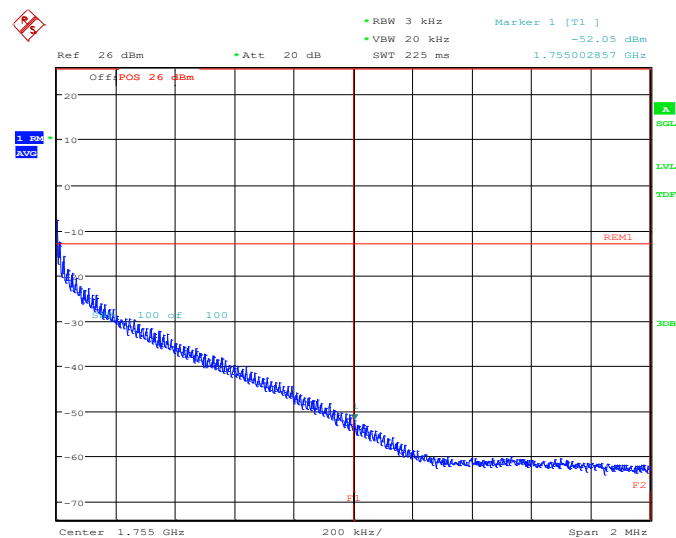
Date: 27.DEC.2023 17:26:40

## OBW: 1RB-HIGH\_offset



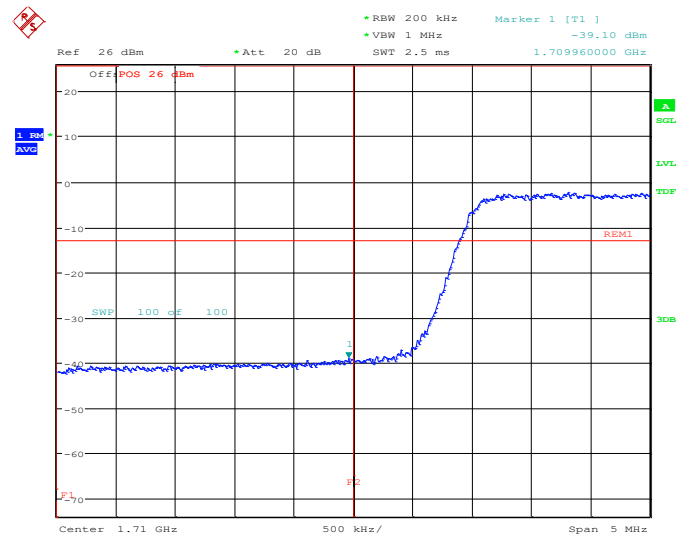
Date: 27.DEC.2023 17:28:22

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



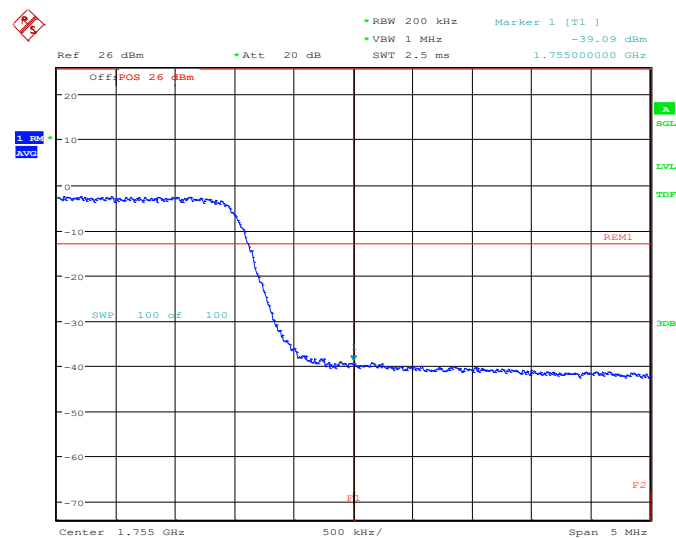
Date: 27.DEC.2023 17:29:25

## LOW BAND EDGE BLOCK-20MHz+10MHz-100%RB



Date: 27.DEC.2023 16:26:38

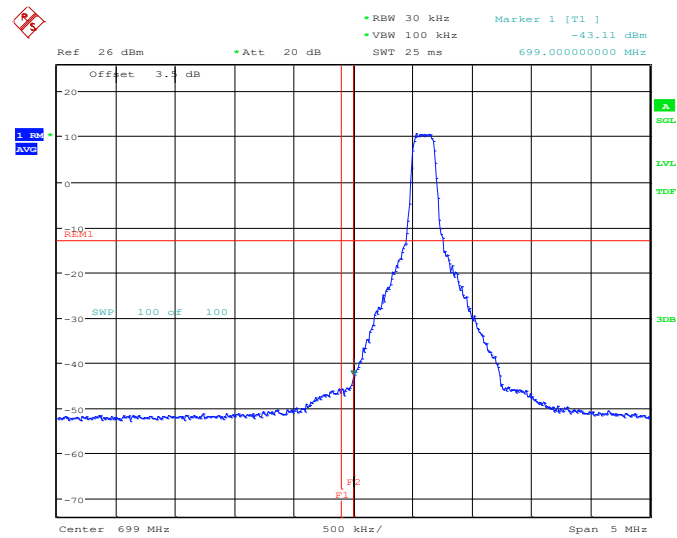
## HIGH BAND EDGE BLOCK-20MHz+10MHz-100%RB



Date: 27.DEC.2023 16:28:40

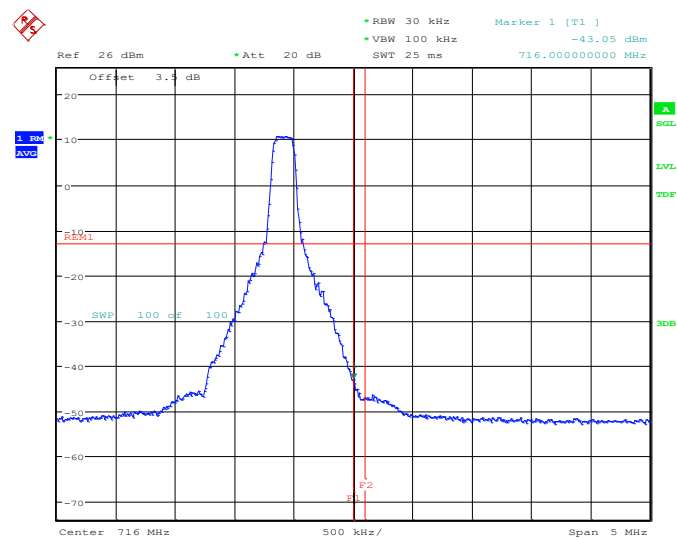
## LTE band 12@CA 4A-12A

### LOW BAND EDGE BLOCK-1RB-LOW\_offset



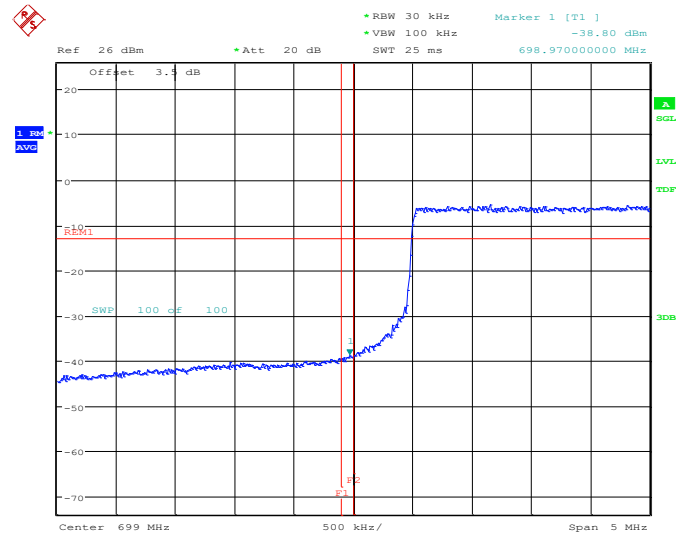
Date: 27.DEC.2023 17:27:24

### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



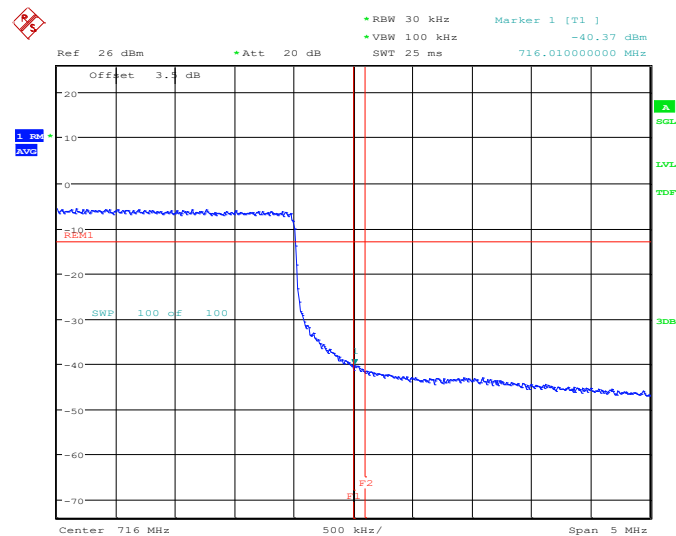
Date: 27.DEC.2023 17:30:08

## LOW BAND EDGE BLOCK-20MHz+10MHz-100%RB



Date: 27.DEC.2023 16:27:22

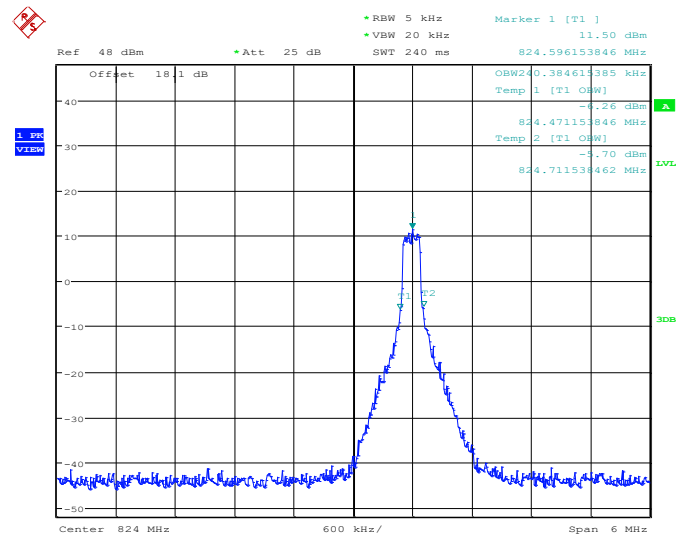
## HIGH BAND EDGE BLOCK-20MHz+10MHz-100%RB



Date: 27.DEC.2023 16:29:23

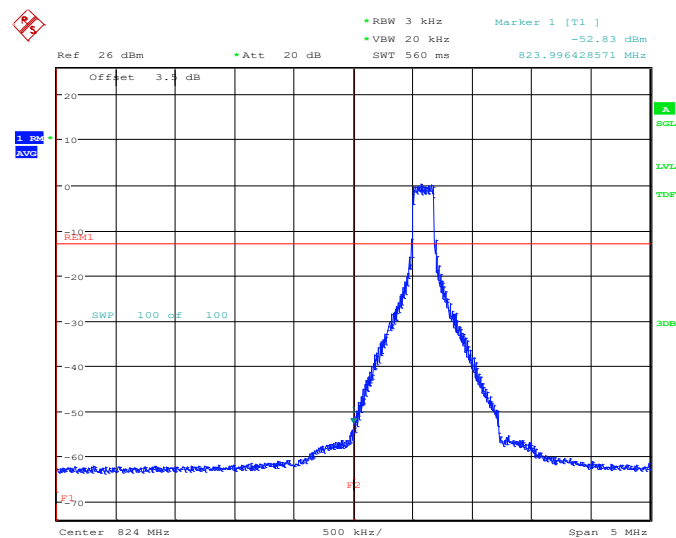
LTE band 5@CA 5A-7A

OBW: 1RB-LOW\_offset



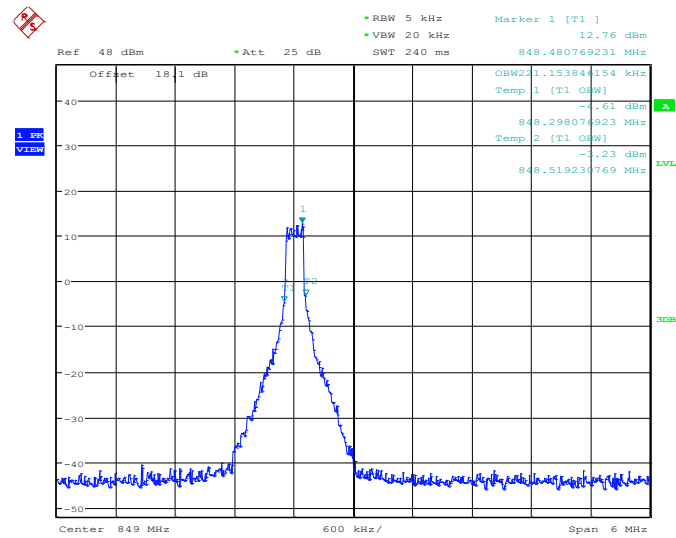
Date: 27.DEC.2023 17:15:56

LOW BAND EDGE BLOCK-1RB-LOW\_offset



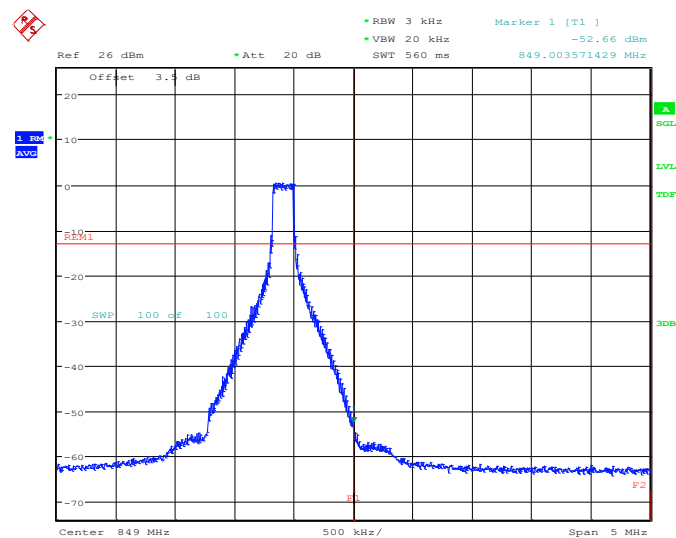
Date: 27.DEC.2023 17:17:33

## OBW: 1RB-HIGH\_offset



Date: 27.DEC.2023 17:20:21

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



Date: 27.DEC.2023 17:21:58

[illegible]

Offset 3.4 dB

Ref 26 dBm

Att 20 dB

RBW 200 kHz

VBW 1 MHz

SWT 2.5 ms

Marker 1 [T1]

-35.95 dBm

849.000000000 MHz

1.996

AVC

F10 RBW1

SWP 100

CF 100

F1

F2

Center 849 MHz

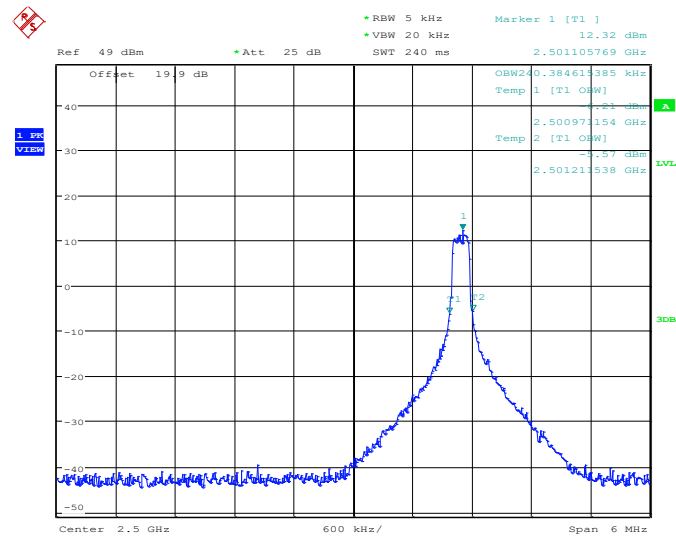
500 kHz/

Span 5 MHz

Page 239 of 278

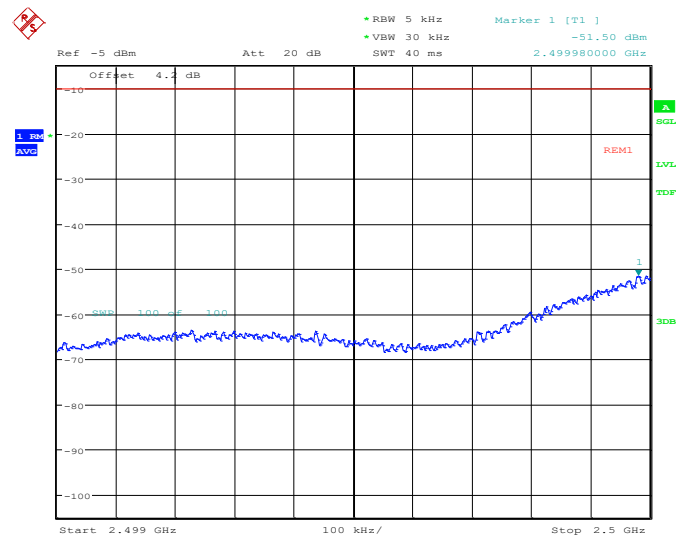
## LTE band 7@CA 5A-7A

### OBW: 1RB-LOW\_offset



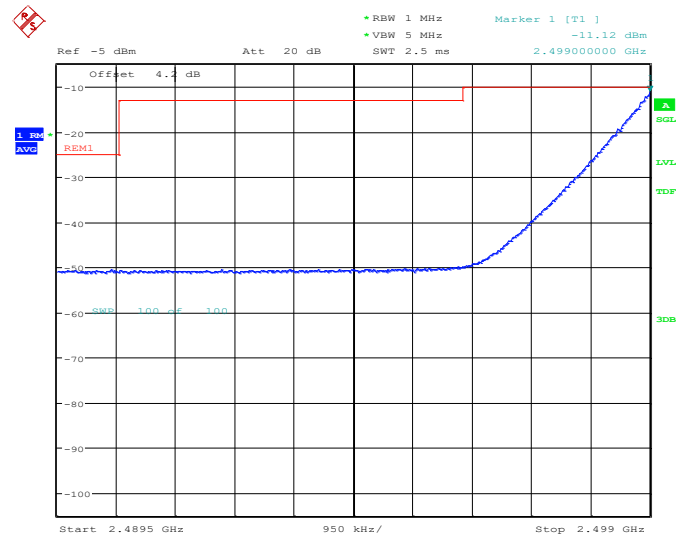
Date: 27.DEC.2023 17:17:54

### LOW BAND EDGE BLOCK-1RB-LOW\_offset



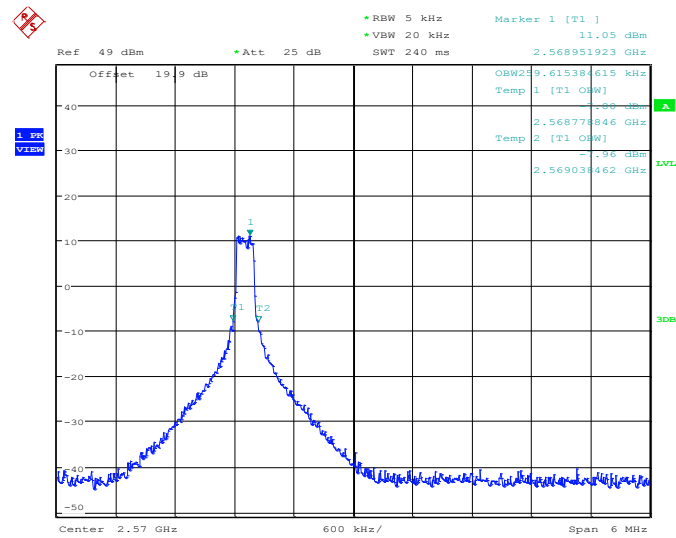
Date: 27.DEC.2023 17:18:41

## LOW BAND EDGE BLOCK-1RB-LOW\_offset



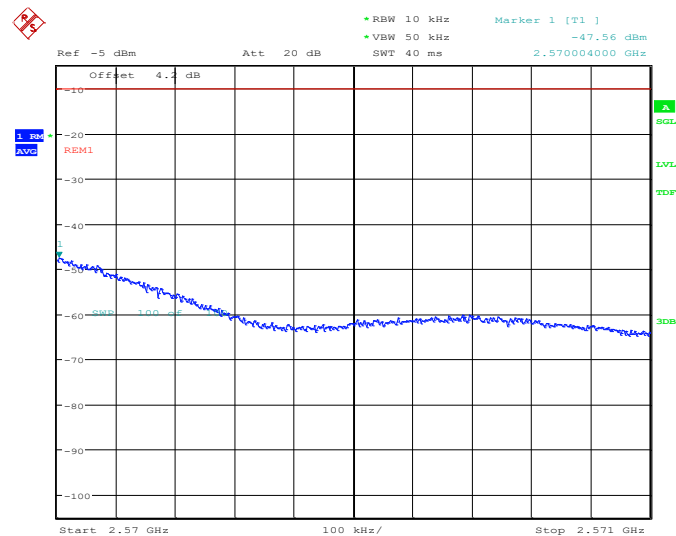
Date: 27.DEC.2023 17:19:26

## OBW: 1RB-HIGH\_offset



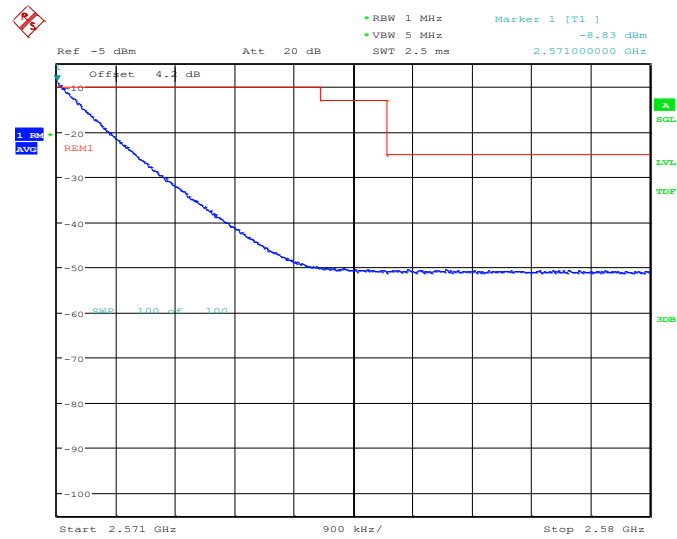
Date: 27.DEC.2023 17:22:19

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



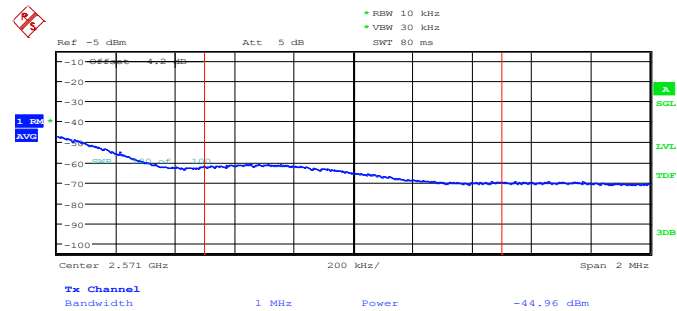
Date: 27.DEC.2023 17:23:07

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



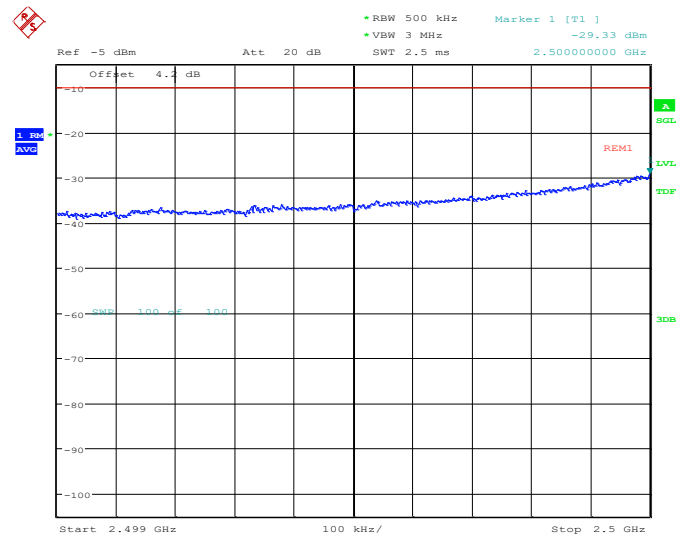
Date: 27.DEC.2023 17:23:52

## Channel power



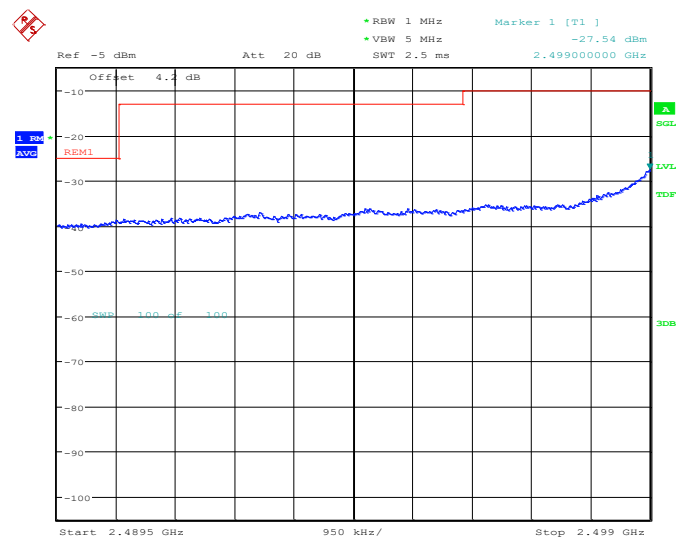
Date: 27.DEC.2023 17:24:25

## LOW BAND EDGE BLOCK-10MHz+20MHz-100%RB



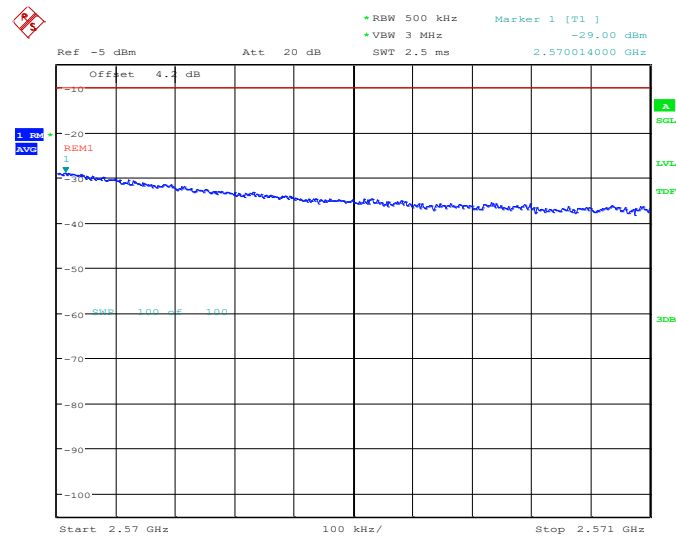
Date: 27.DEC.2023 16:21:37

## LOW BAND EDGE BLOCK-10MHz+20MHz-100%RB



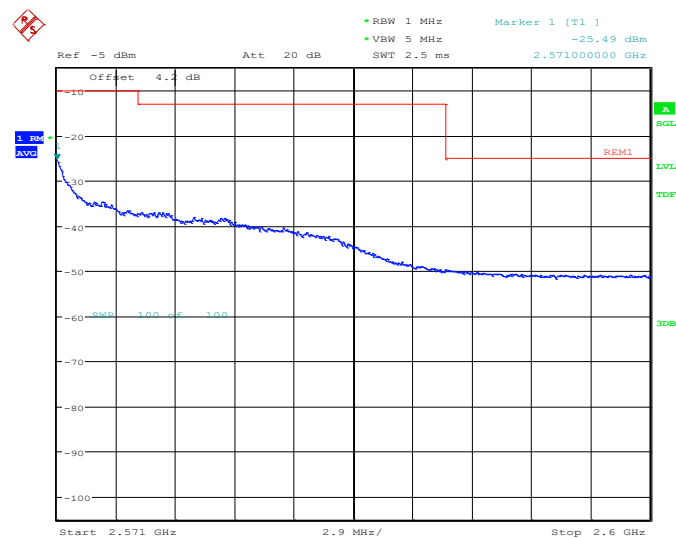
Date: 27.DEC.2023 16:22:21

## HIGH BAND EDGE BLOCK-10MHz+20MHz-100%RB



Date: 27.DEC.2023 16:24:21

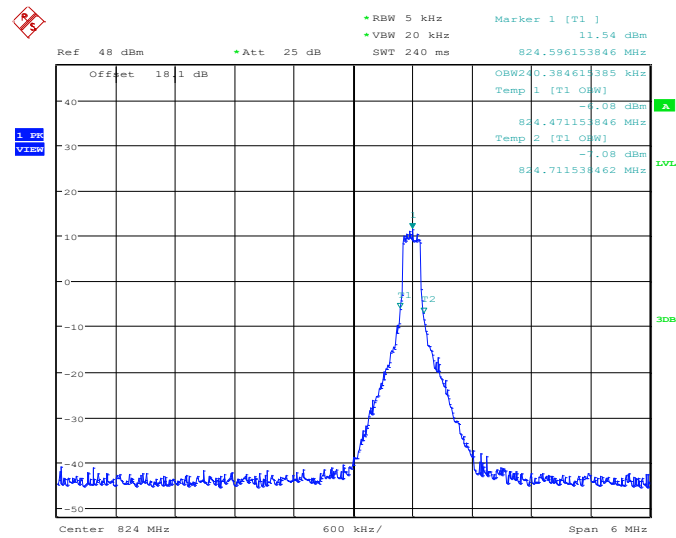
## HIGH BAND EDGE BLOCK-10MHz+20MHz-100%RB



Date: 27.DEC.2023 16:25:05

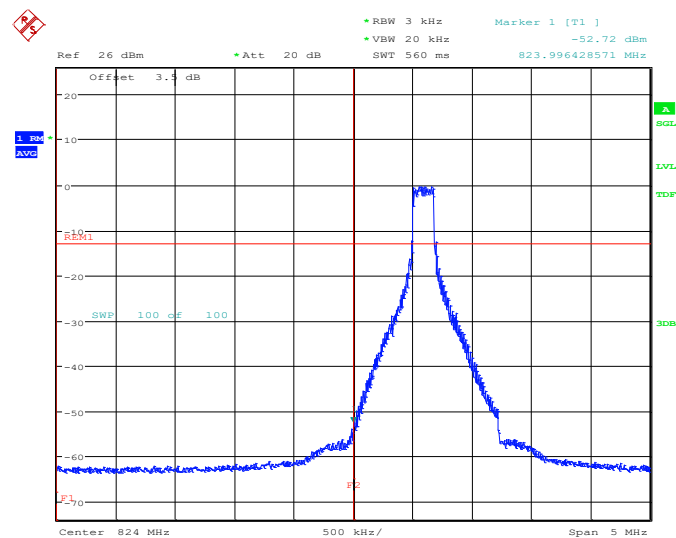
LTE band 5@CA 5A-66A

OBW: 1RB-LOW\_offset



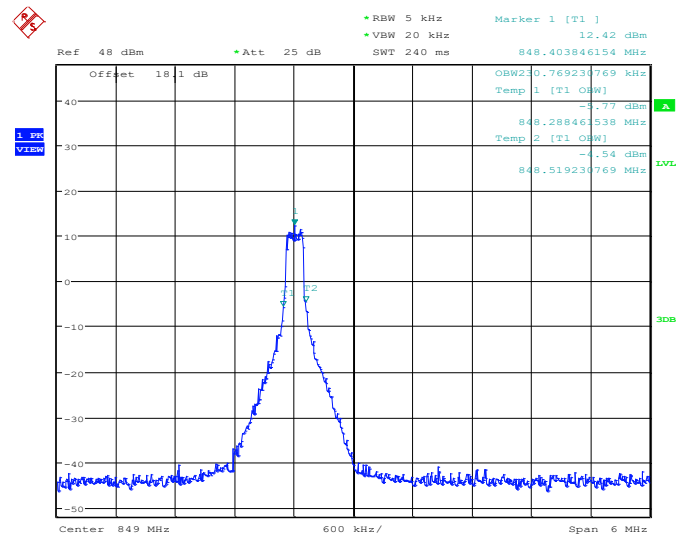
Date: 27.DEC.2023 17:31:29

LOW BAND EDGE BLOCK-1RB-LOW\_offset



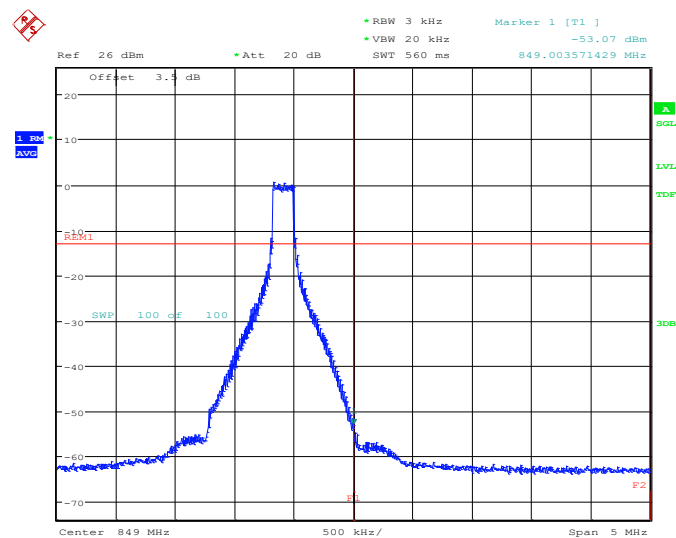
Date: 27.DEC.2023 17:33:05

## OBW: 1RB-HIGH\_offset



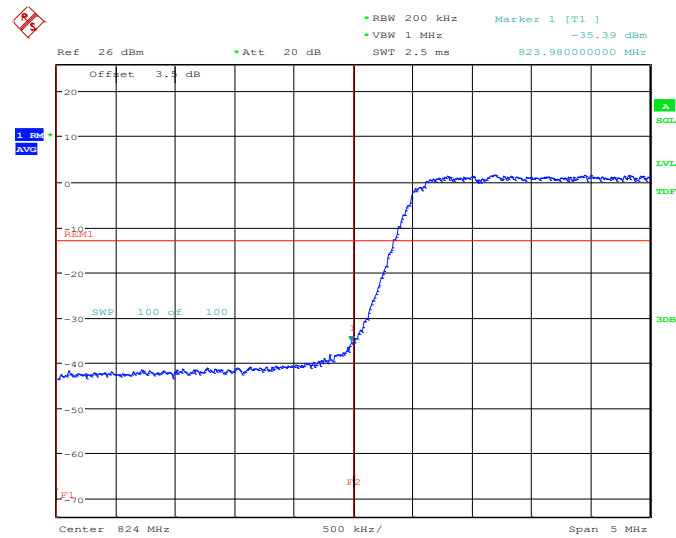
Date: 27.DEC.2023 17:35:59

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



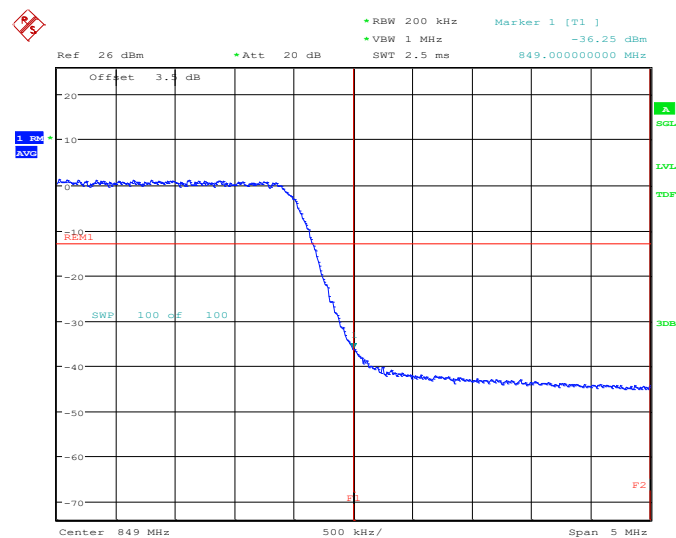
Date: 27.DEC.2023 17:37:37

## LOW BAND EDGE BLOCK-10MHz+20MHz-100%RB



Date: 27.DEC.2023 16:31:05

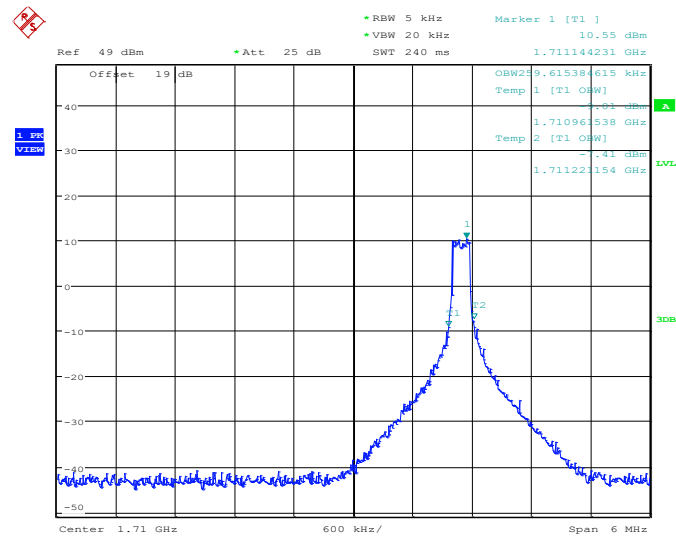
## HIGH BAND EDGE BLOCK-10MHz+20MHz-100%RB



Date: 27.DEC.2023 16:33:04

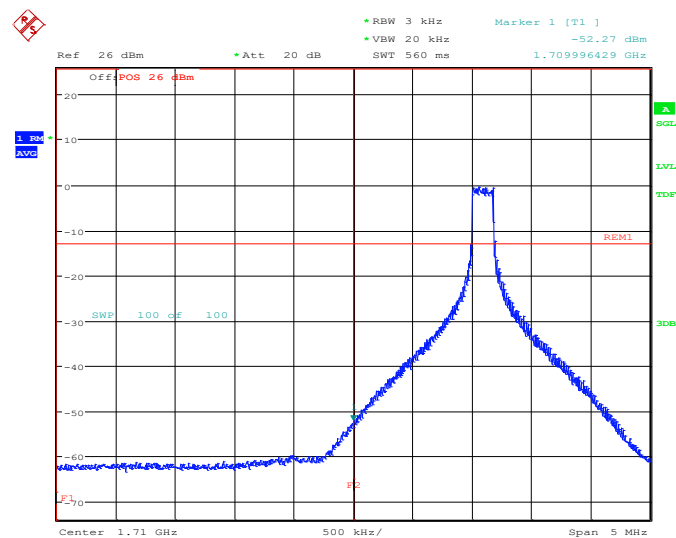
LTE band 66@CA 5A-66A

OBW: 1RB-LOW\_offset



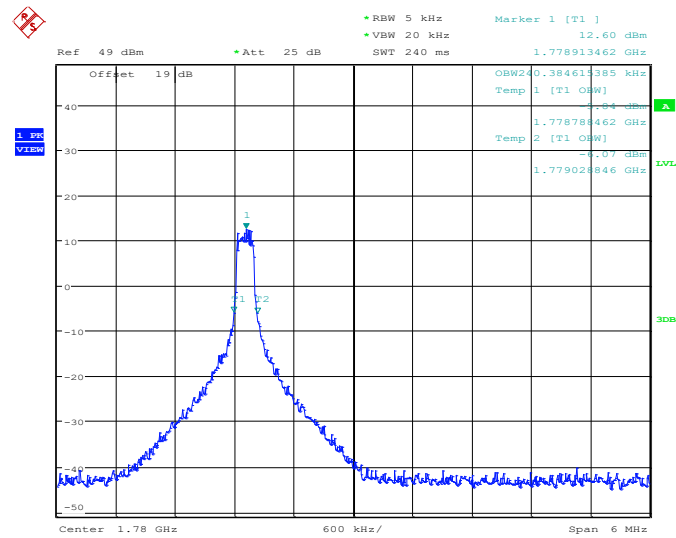
Date: 27.DEC.2023 17:33:26

LOW BAND EDGE BLOCK-1RB-LOW\_offset



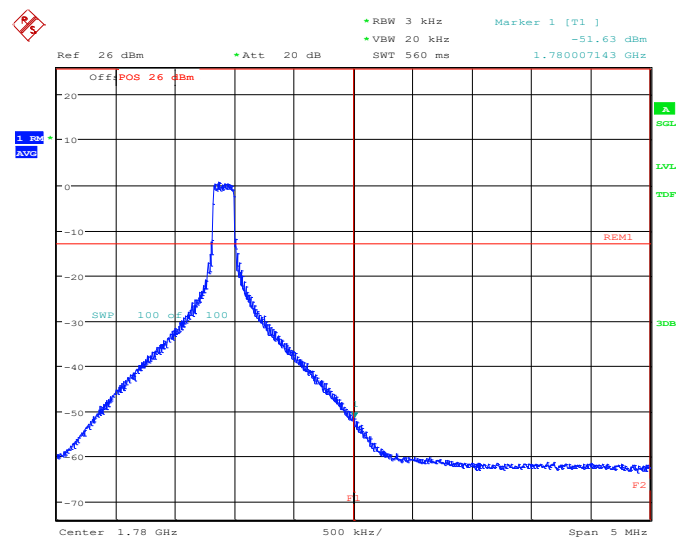
Date: 27.DEC.2023 17:35:04

## OBW: 1RB-HIGH\_offset



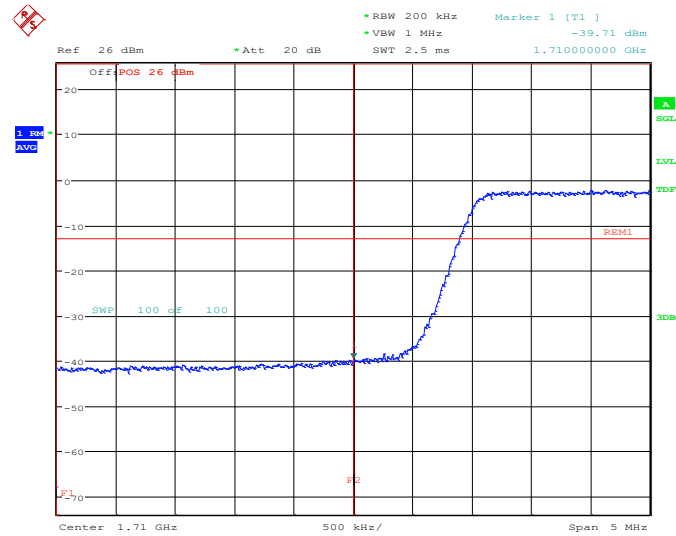
Date: 27.DEC.2023 17:37:58

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



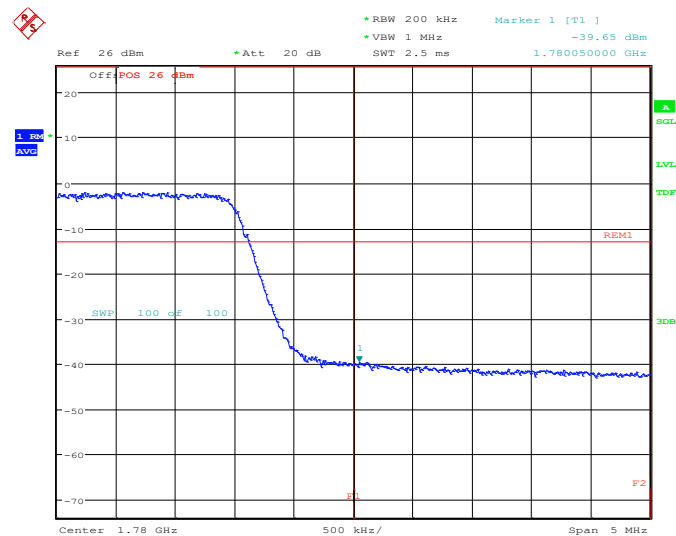
Date: 27.DEC.2023 17:39:36

## LOW BAND EDGE BLOCK-10MHz+20MHz-100%RB



Date: 27.DEC.2023 16:31:48

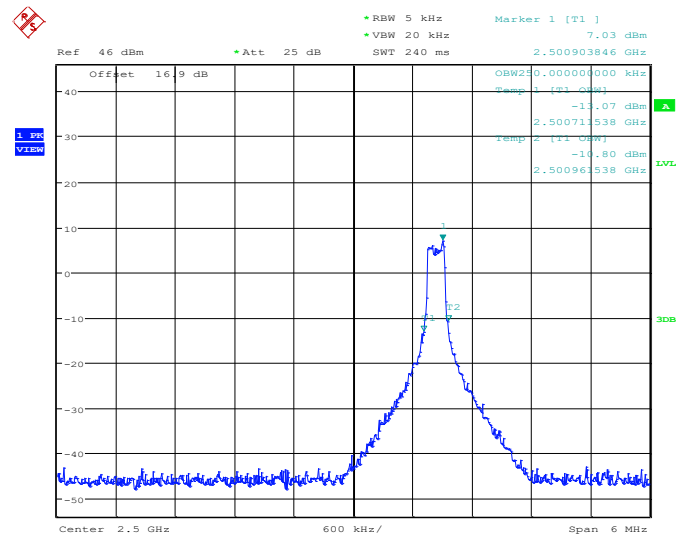
## HIGH BAND EDGE BLOCK-10MHz+20MHz-100%RB



Date: 27.DEC.2023 16:33:46

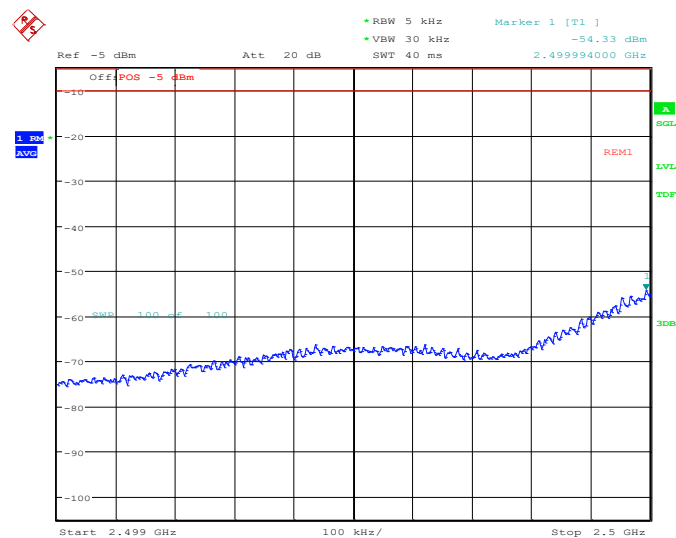
## LTE CA band 7C

**OBW: 1RB-low\_offset**



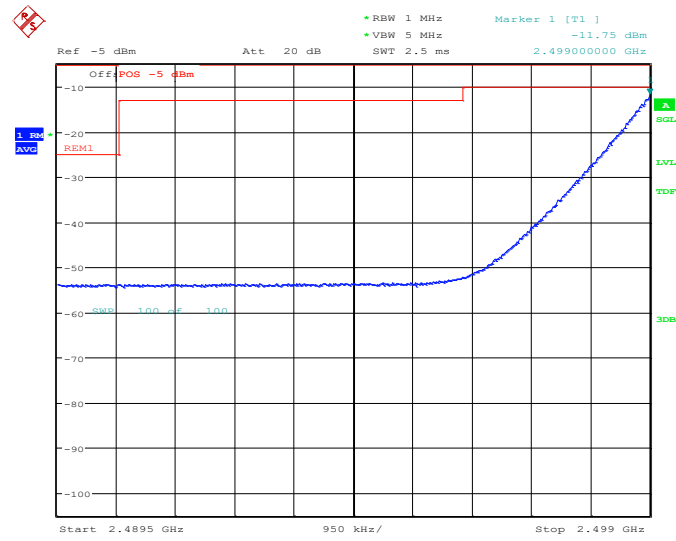
Date: 26.DEC.2023 09:40:09

**LOW BAND EDGE BLOCK-1RB-low\_offset**



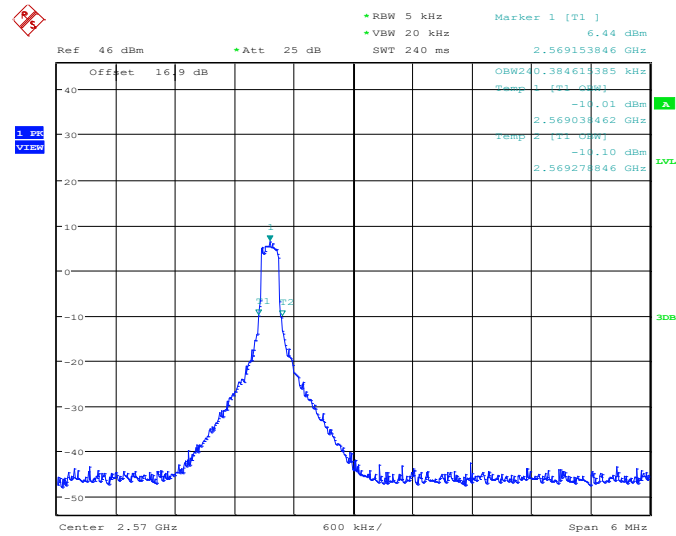
Date: 26.DEC.2023 09:40:57

## LOW BAND EDGE BLOCK-1RB-low\_offset



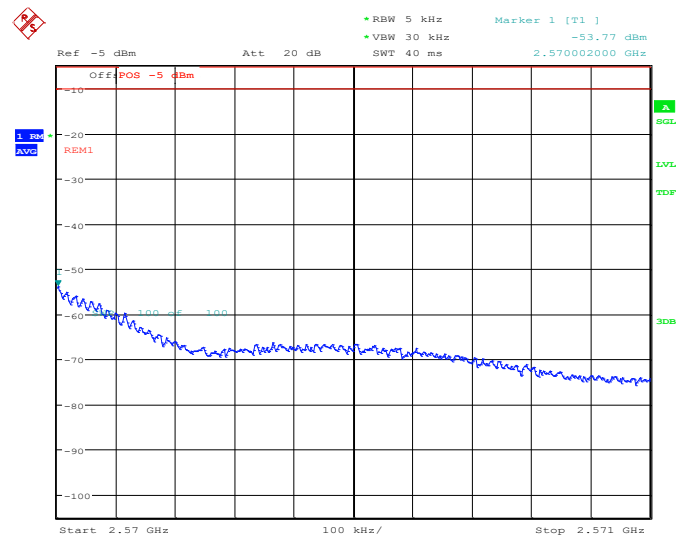
Date: 26.DEC.2023 09:41:41

## OBW: 1RB-high\_offset



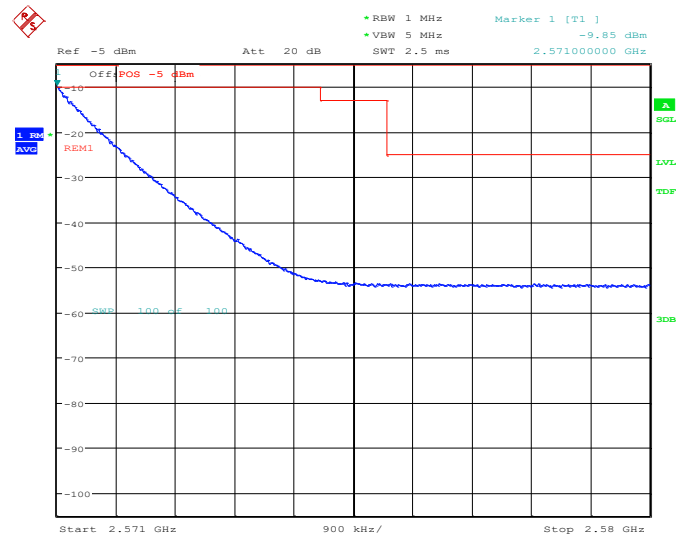
Date: 26.DEC.2023 09:42:37

## HIGH BAND EDGE BLOCK-1RB-high\_offset



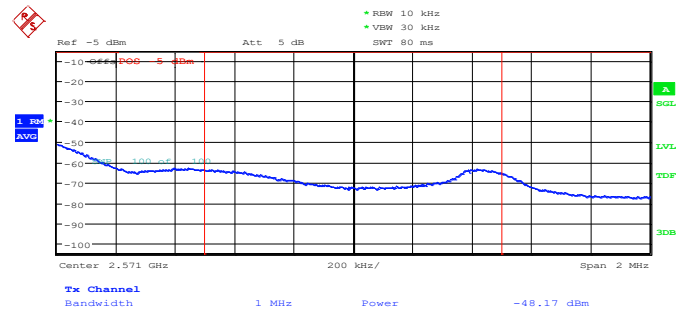
Date: 26.DEC.2023 09:43:25

## HIGH BAND EDGE BLOCK-1RB-high\_offset



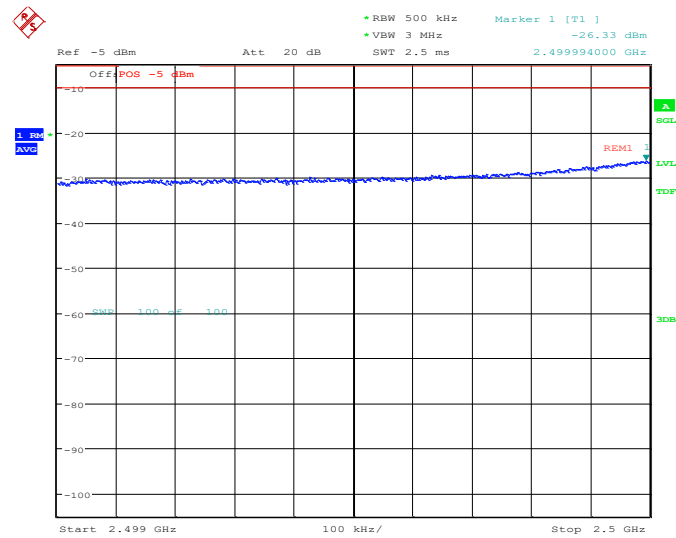
Date: 26.DEC.2023 09:44:09

## Channel power



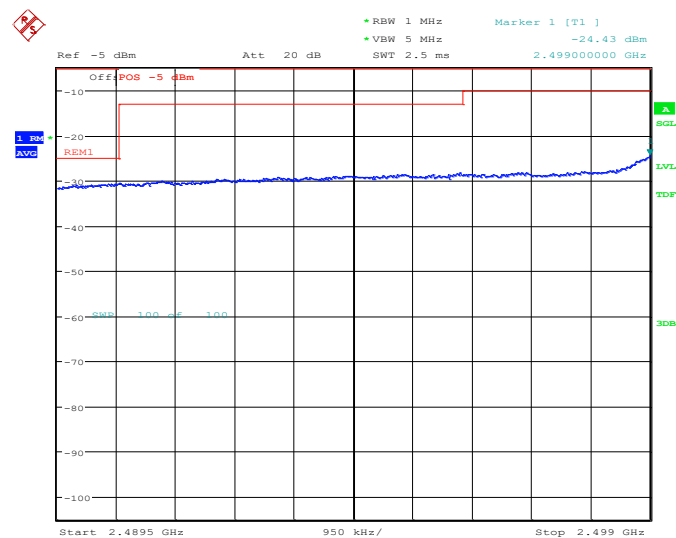
Date: 26.DEC.2023 09:44:43

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



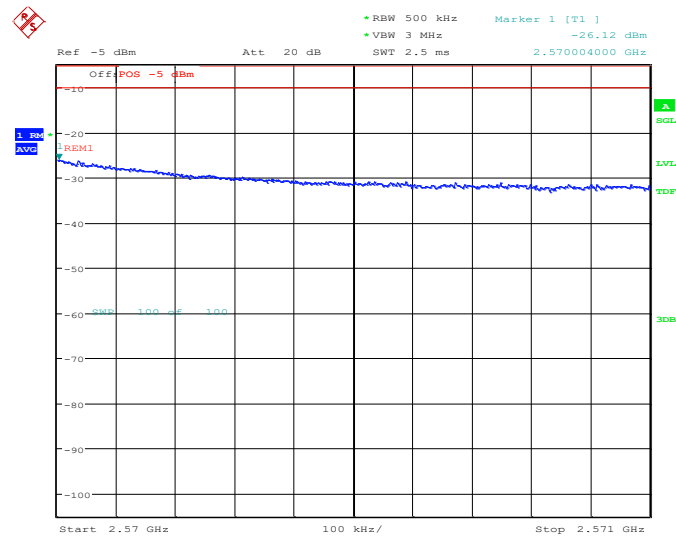
Date: 13.DEC.2023 08:39:26

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



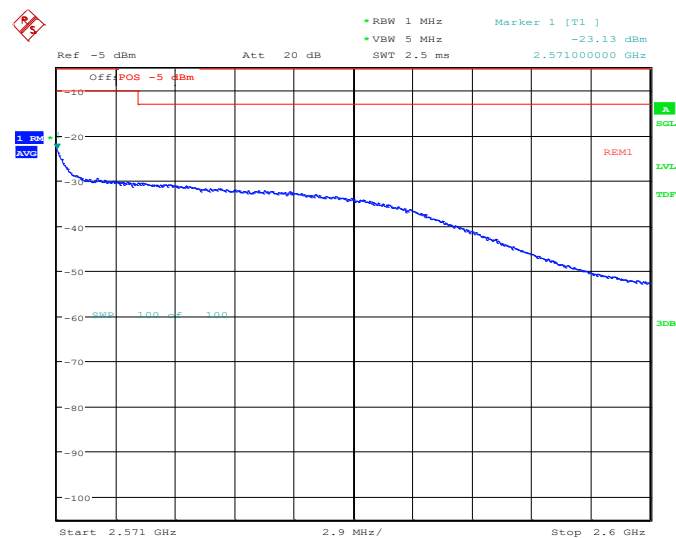
Date: 13.DEC.2023 08:40:10

## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 13.DEC.2023 08:41:29

## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 13.DEC.2023 08:42:13



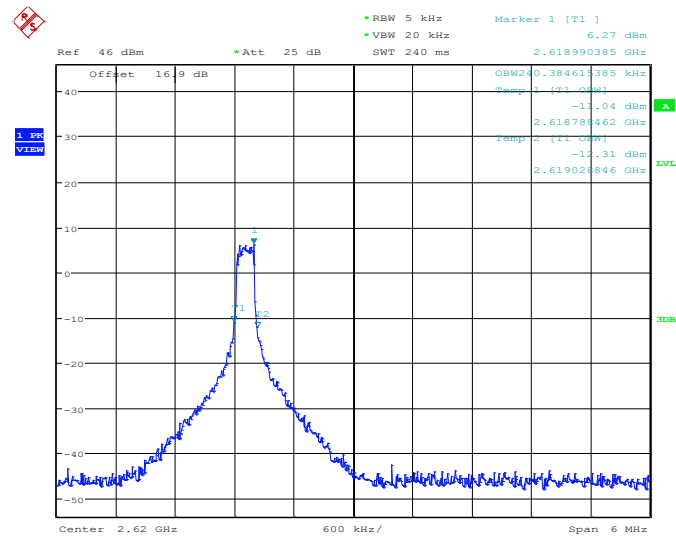
**OBW: 1RB-low\_offset**





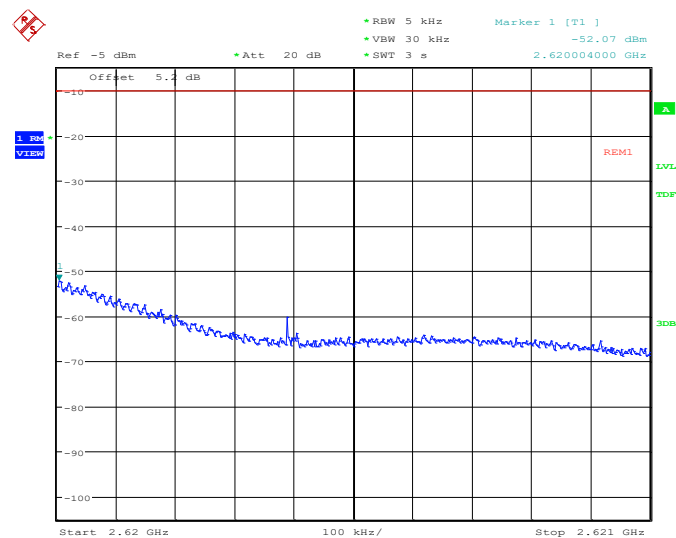
Date: 26.DEC.2023 09:47:11

## OBW: 1RB-high\_offset



Date: 26.DEC.2023 09:48:05

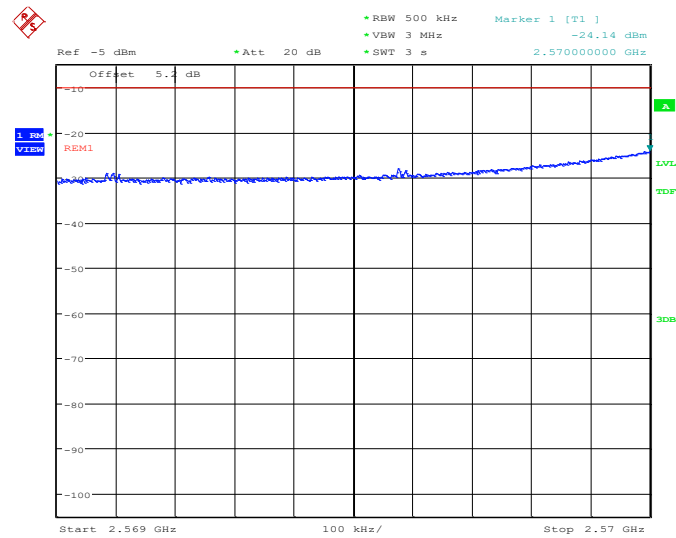
## HIGH BAND EDGE BLOCK-1RB-high\_offset



Date: 26.DEC.2023 09:48:49

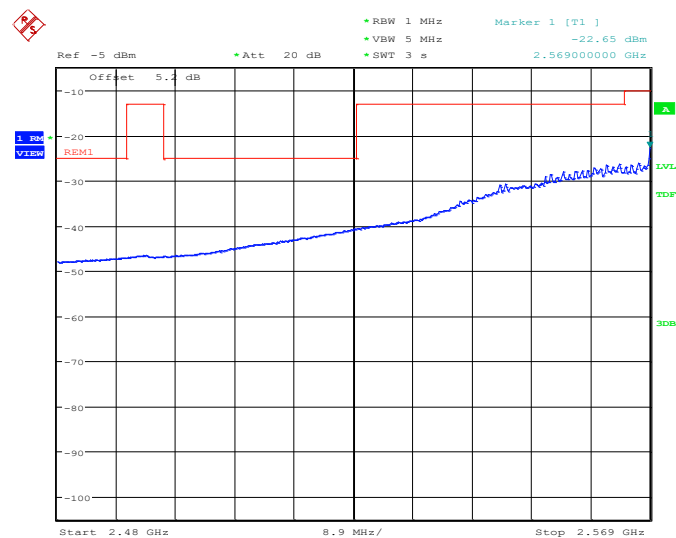


## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



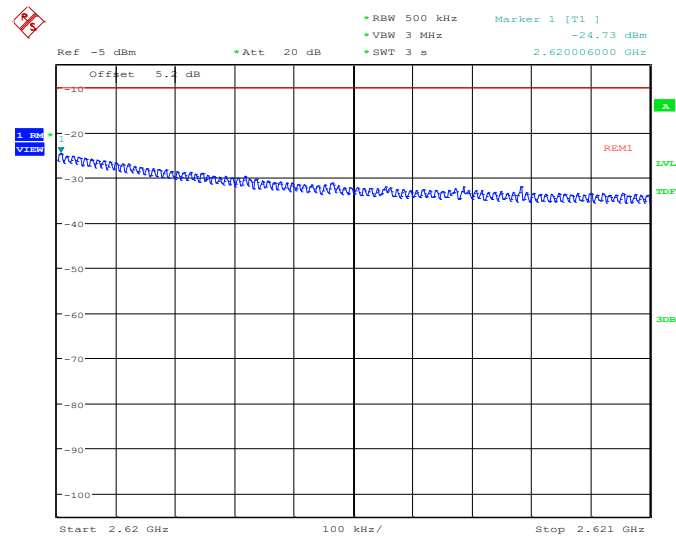
Date: 13.DEC.2023 08:48:15

## LOW BAND EDGE BLOCK-20MHz+20MHz-100%RB



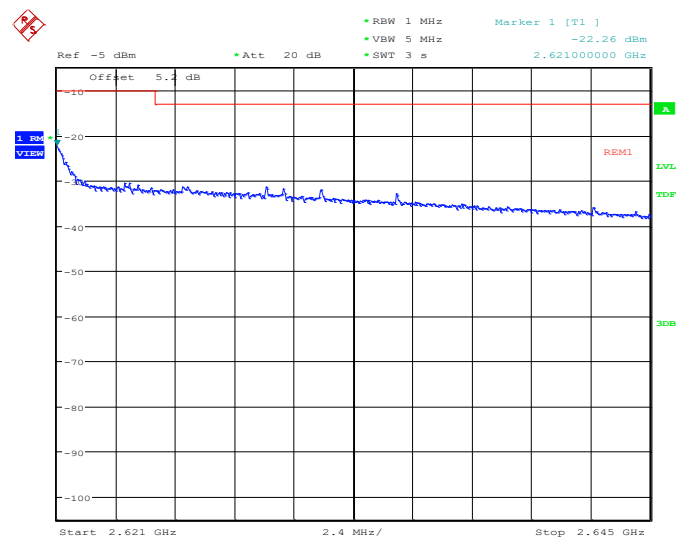
Date: 13.DEC.2023 08:48:59

## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 13.DEC.2023 08:50:16

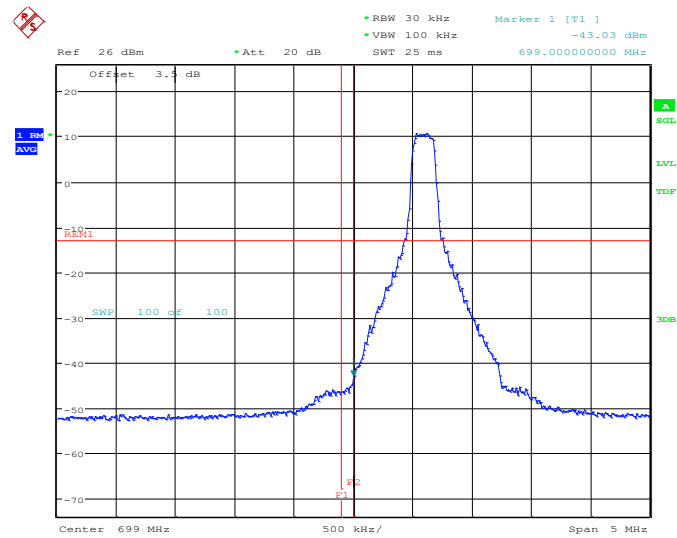
## HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 13.DEC.2023 08:51:00

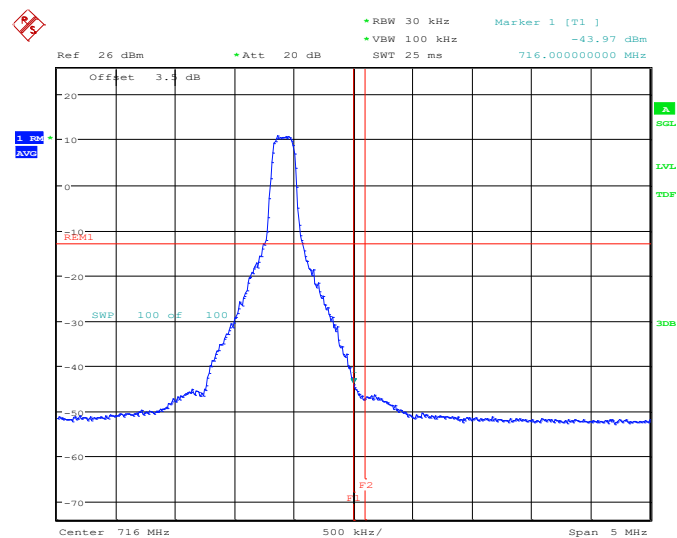
**LTE band 12@CA 12A-66A**

## LOW BAND EDGE BLOCK-1RB-LOW\_offset



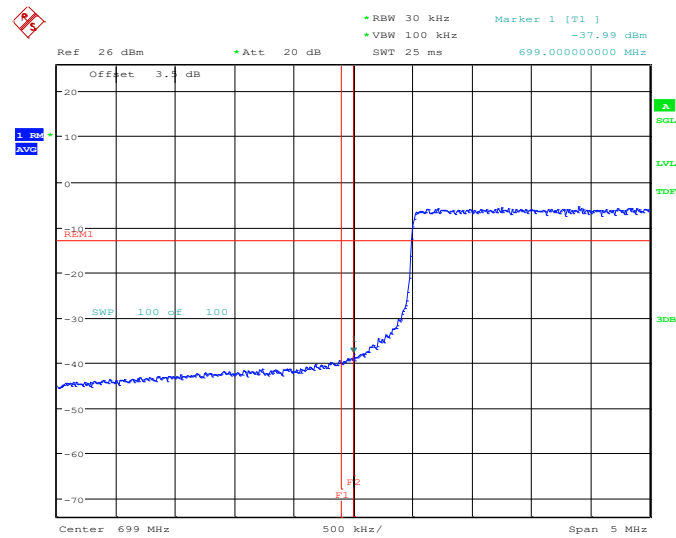
Date: 27.DEC.2023 17:41:06

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



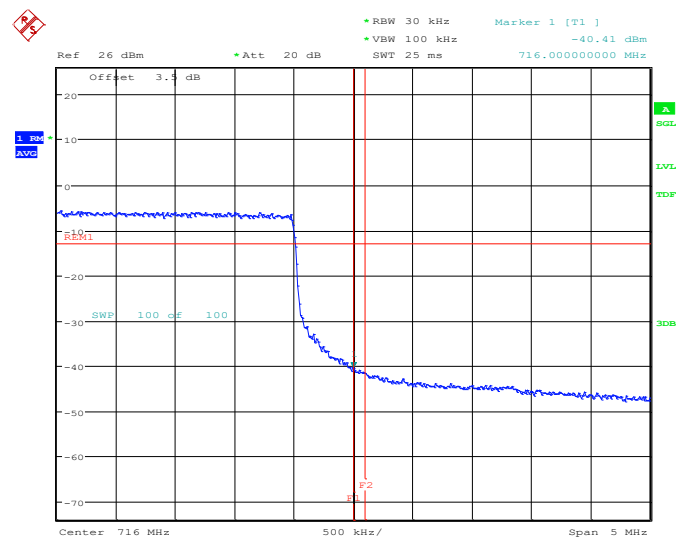
Date: 27.DEC.2023 17:44:24

## LOW BAND EDGE BLOCK-10MHz+20MHz-100%RB



Date: 27.DEC.2023 16:35:15

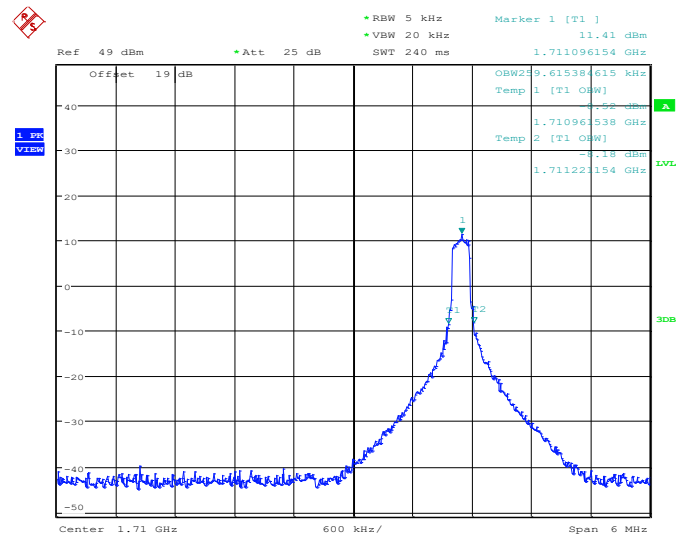
## HIGH BAND EDGE BLOCK-10MHz+20MHz-100%RB



Date: 27.DEC.2023 16:37:18

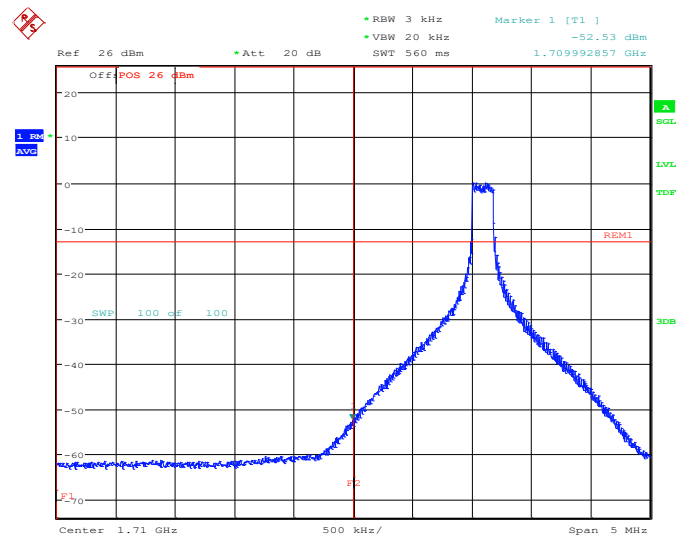
## LTE band 66@CA 12A-66A

### OBW: 1RB-LOW\_offset



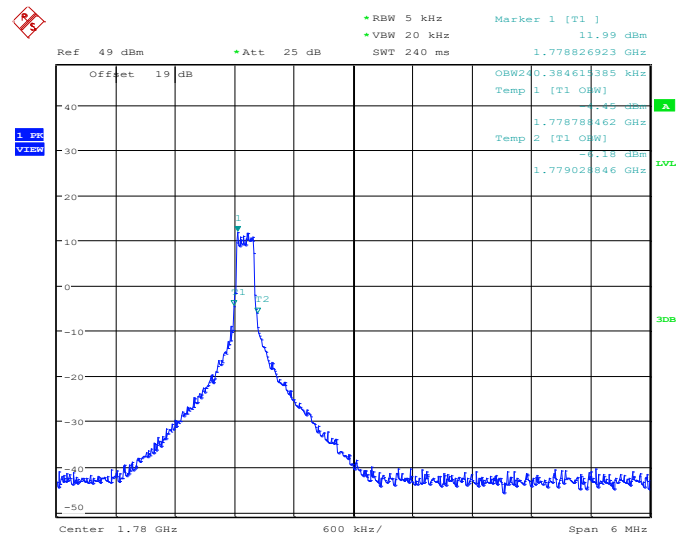
Date: 27.DEC.2023 17:41:26

### LOW BAND EDGE BLOCK-1RB-LOW\_offset



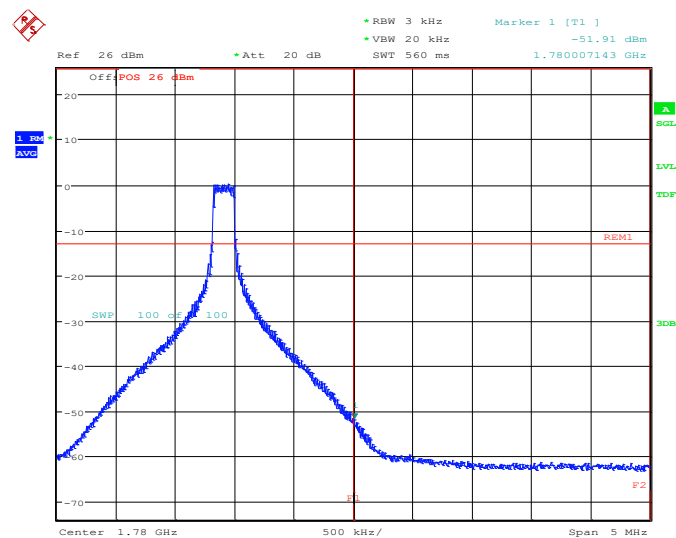
Date: 27.DEC.2023 17:43:05

**OBW: 1RB-HIGH\_offset**



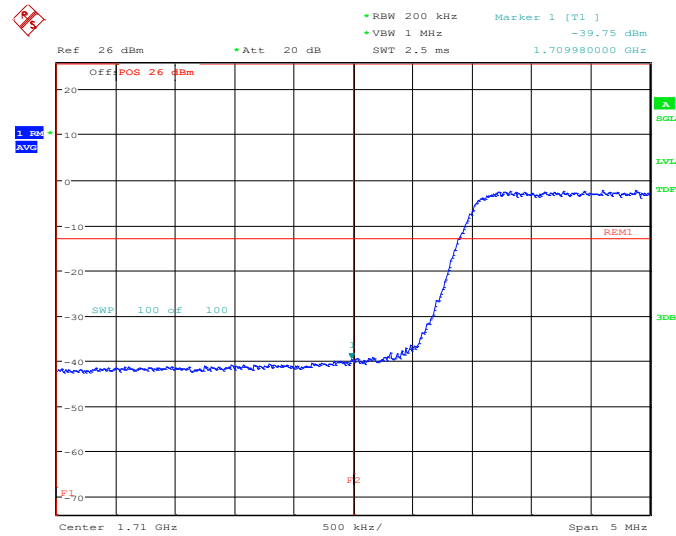
Date: 27.DEC.2023 17:44:45

## HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



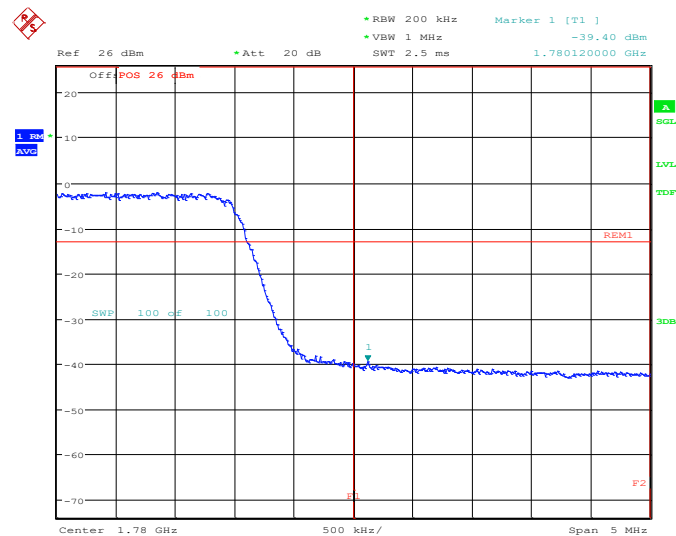
Date: 27.DEC.2023 17:46:23

## LOW BAND EDGE BLOCK-10MHz+20MHz-100%RB



Date: 27.DEC.2023 16:35:59

## HIGH BAND EDGE BLOCK-10MHz+20MHz-100%RB



Date: 27.DEC.2023 16:38:01

Note: Expanded measurement uncertainty is  $U = 0.622$  dB,  $k = 2$ .

## **A.7 Conducted Spurious Emission**

### **A.7.1 Measurement Method**

The following steps outline the procedure used to measure the conducted emissions from the EUT.

1. In measuring unwanted emissions, the spectrum shall be investigated from 30 MHz or the lowest radio frequency signal generated in the equipment, whichever is lower, without going below 9 kHz, up to at least the frequency given below:
  - (a) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
  - (b) If the equipment operates at or above 10 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
2. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.
3. The number of sweep points of spectrum analyzer is greater than  $2 \times \text{span/RBW}$ .

### **A. 7.2 Measurement Limit**

Part 22.917, Part 24.238 and Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log(P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log(P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log(P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than  $43 + 10 \log(P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log(P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43 + 10 \log(P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Part 90.691 states that out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows: For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $116 \log_{10}(f/6.1)$  decibels or  $50 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.



No.23T04Z70626-09

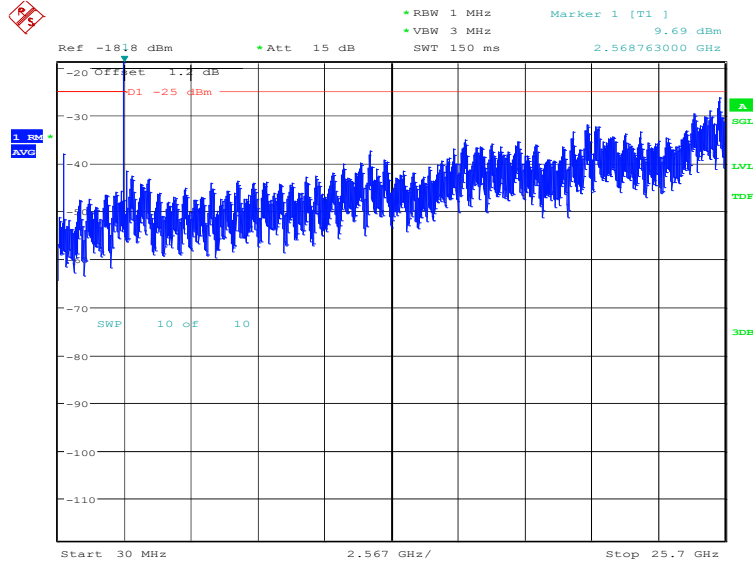
For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10\log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

### A. 7.3 Measurement result

Only the worst case result is given below

LTE band 7: 30MHz – 25.7GHz

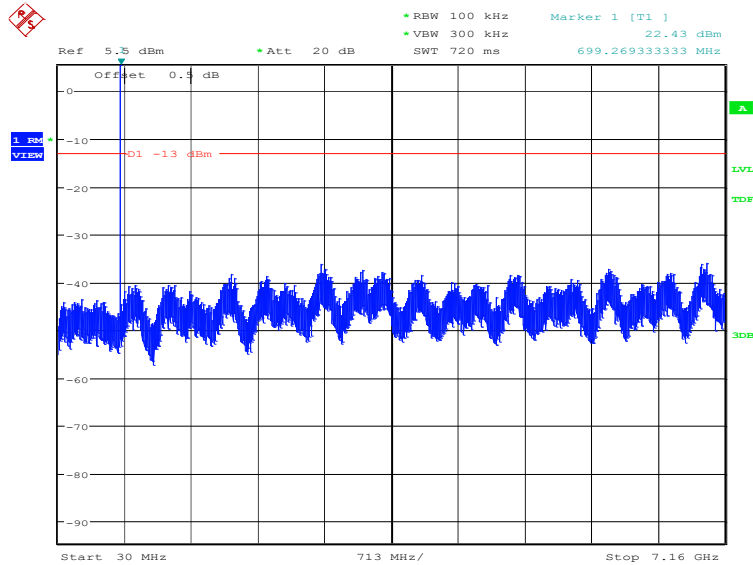
NOTE: peak above the limit line is the carrier frequency.



Date: 8.JAN.2024 10:22:20

LTE band 12: 30MHz – 7.16GHz

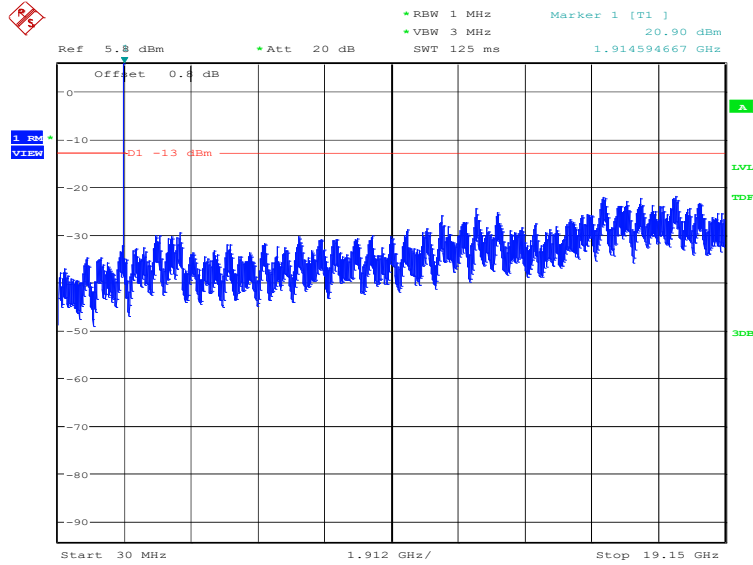
NOTE: peak above the limit line is the carrier frequency.



Date: 8.JAN.2024 11:10:20

### LTE band 25: 30MHz – 19.15GHz

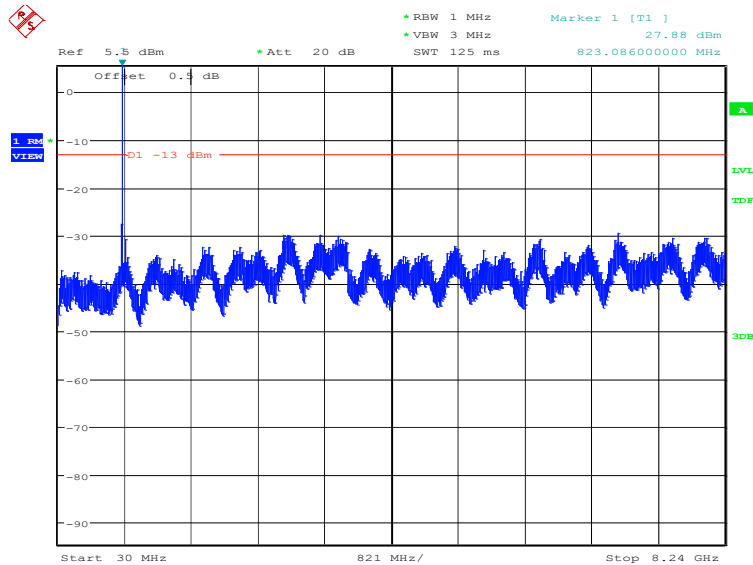
NOTE: peak above the limit line is the carrier frequency.



Date: 8.JAN.2024 10:23:59

### LTE band 26(814MHz~824MHz): 30MHz – 8.24GHz

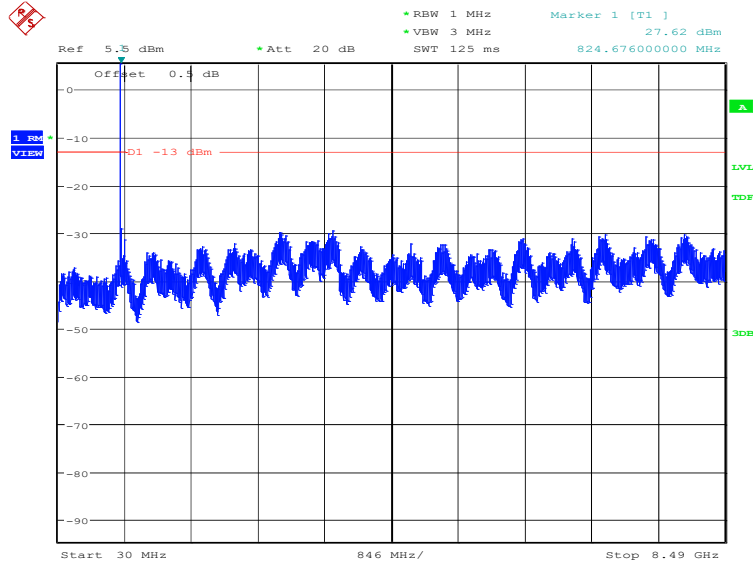
NOTE: peak above the limit line is the carrier frequency.



Date: 8.JAN.2024 11:11:58

## LTE band 26(824MHz~849MHz): 30MHz – 8.49GHz

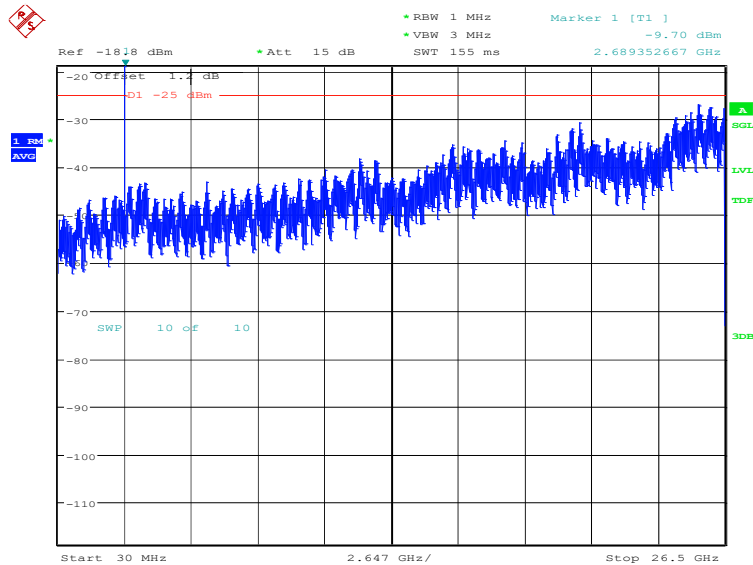
NOTE: peak above the limit line is the carrier frequency.



Date: 8.JAN.2024 11:11:16

## LTE band 41: 30MHz – 26.5GHz

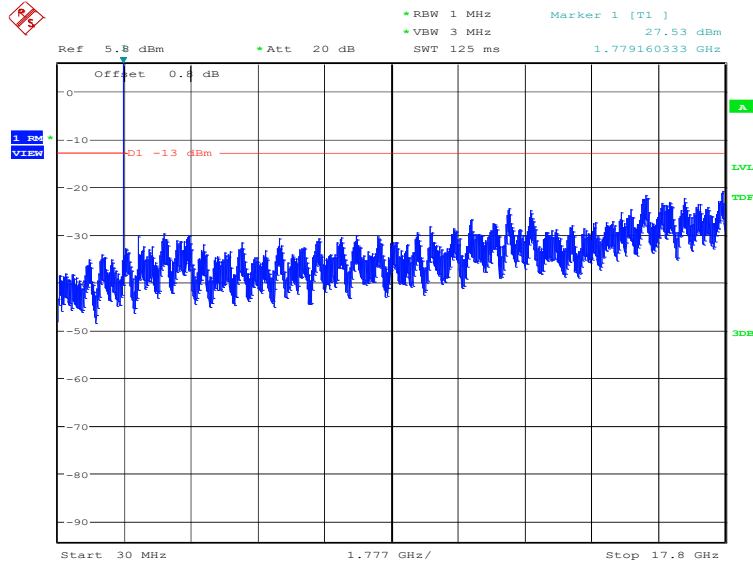
NOTE: peak above the limit line is the carrier frequency.



Date: 8.JAN.2024 10:50:17

## LTE band 66: 30MHz – 17.8GHz

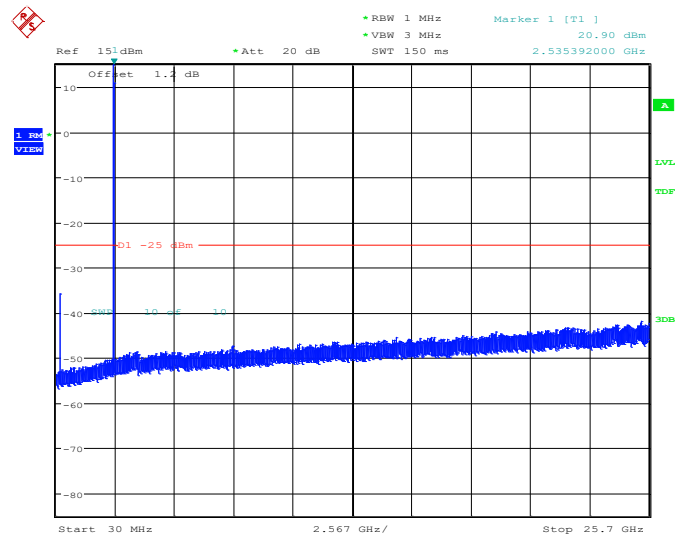
NOTE: peak above the limit line is the carrier frequency.



Date: 8.JAN.2024 10:24:45

## LTE CA band 7C

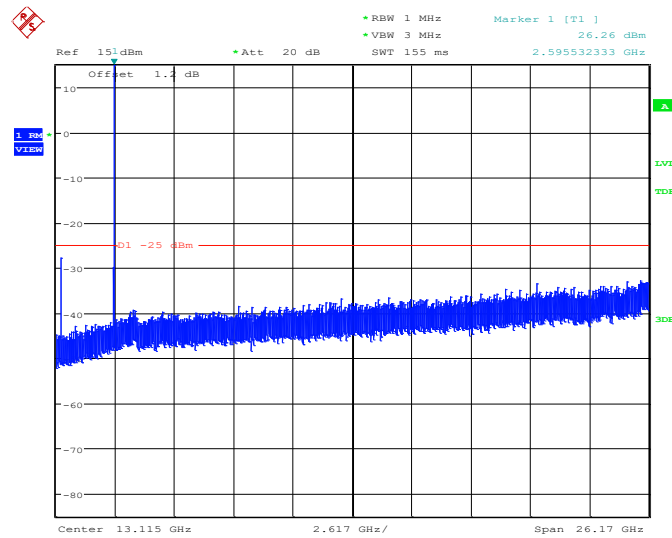
NOTE: peak above the limit line is the carrier frequency.



Date: 13.DEC.2023 08:52:55

# LTE CA band 38C

NOTE: peak above the limit line is the carrier frequency.



Date: 13.DEC.2023 08:55:34

Note: Expanded measurement uncertainty is  $U = 0.622 \text{ dB}$ ,  $k = 2$ .

### **A.8 Peak-to-Average Power Ratio**

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Record the maximum PAPR level associated with a probability of 0.1%.

#### **LTE band 7, 20MHz**

| Frequency(MHz) | PAPR(dB) |       |       |        |
|----------------|----------|-------|-------|--------|
| 2535.0         | QPSK     | 16QAM | 64QAM | 256QAM |
|                | 7.02     | 7.50  | 7.69  | 7.82   |

#### **LTE band 12, 10MHz**

| Frequency(MHz) | PAPR(dB) |       |       |        |
|----------------|----------|-------|-------|--------|
| 707.5          | QPSK     | 16QAM | 64QAM | 256QAM |
|                | 5.54     | 6.41  | 6.60  | 6.79   |

#### **LTE band 25, 20MHz**

| Frequency(MHz) | PAPR(dB) |       |       |        |
|----------------|----------|-------|-------|--------|
| 1882.5         | QPSK     | 16QAM | 64QAM | 256QAM |
|                | 7.44     | 7.60  | 7.37  | 7.56   |

#### **LTE band 41, 20MHz**

| Frequency (MHz) | PAPR (dB) |       |       |        |
|-----------------|-----------|-------|-------|--------|
| 2593.0          | QPSK      | 16QAM | 64QAM | 256QAM |
|                 | 9.07      | 9.01  | 8.91  | 9.07   |

#### **LTE band 66, 20MHz**

| Frequency(MHz) | PAPR(dB) |       |       |        |
|----------------|----------|-------|-------|--------|
| 1745.0         | QPSK     | 16QAM | 64QAM | 256QAM |
|                | 7.37     | 7.31  | 7.31  | 7.53   |

#### **LTE CA band 7C, 20MHz+20MHz**

| Frequency (MHz) | PAPR (dB) |       |       |        |
|-----------------|-----------|-------|-------|--------|
| 2535.0          | QPSK      | 16QAM | 64QAM | 256QAM |
|                 | 8.08      | 8.24  | 7.72  | 8.14   |

**LTE CA band 38C, 20MHz+20MHz**

| Frequency (MHz) | PAPR (dB) |       |       |        |
|-----------------|-----------|-------|-------|--------|
|                 | QPSK      | 16QAM | 64QAM | 256QAM |
| 2595.0          | 9.65      | 9.84  | 9.94  | 9.90   |

Note: Expanded measurement uncertainty is  $U = 0.578 \text{ dB}$ ,  $k = 2$ .

## Annex B: Accreditation Certificate



### Accredited Laboratory

A2LA has accredited

**TELECOMMUNICATION TECHNOLOGY LABS, CAICT**  
*Beijing, People's Republic of China*

for technical competence in the field of  
**Electrical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 26<sup>th</sup> day of June 2023.



Mr. Trace McInturf, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 7049.01  
Valid to July 31, 2024

*For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.*

\*\*\*END OF REPORT\*\*\*