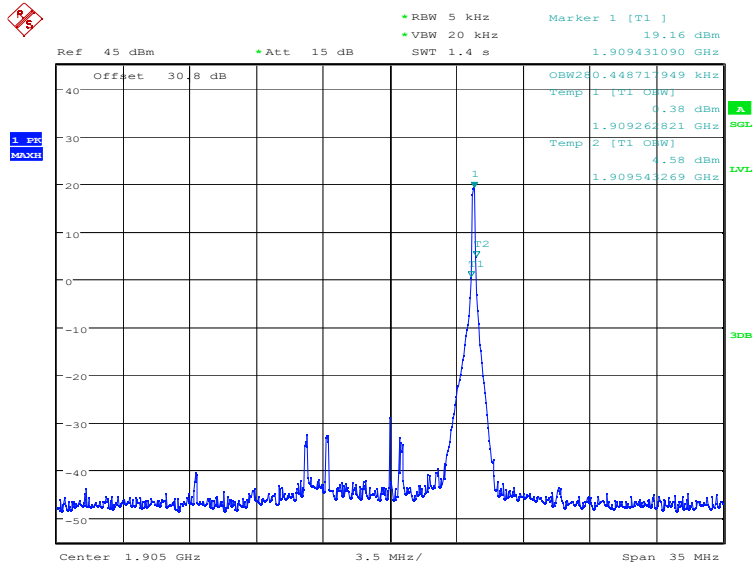
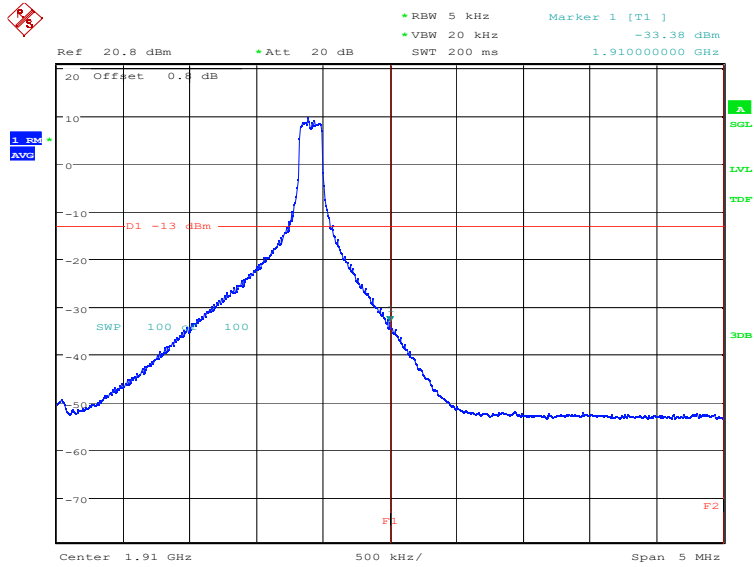


### OBW: 1RB-high\_offset



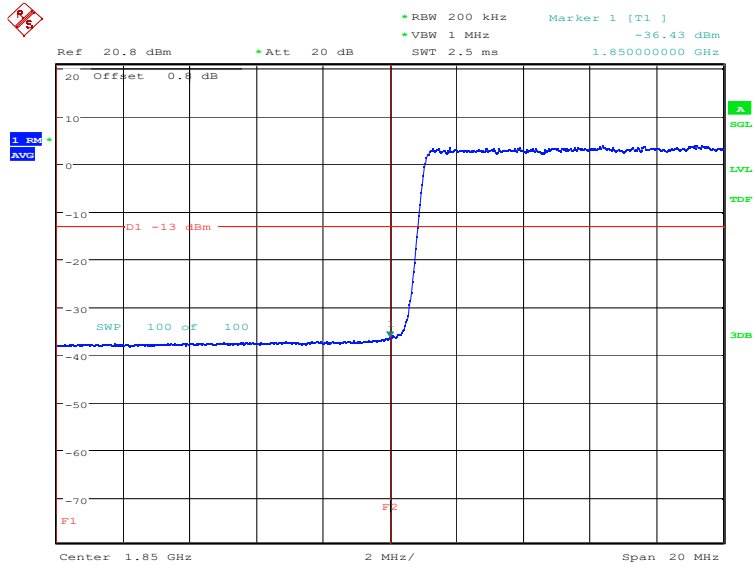
Date: 22.FEB.2024 13:16:57

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



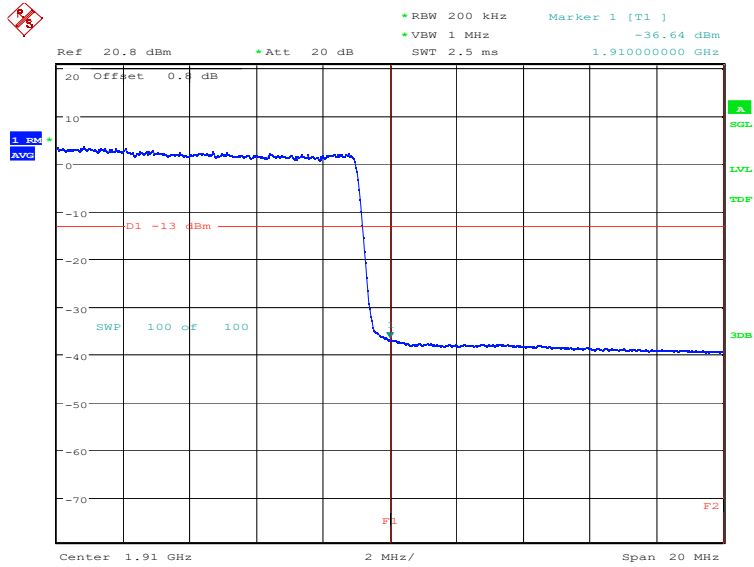
Date: 22.FEB.2024 13:18:12

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



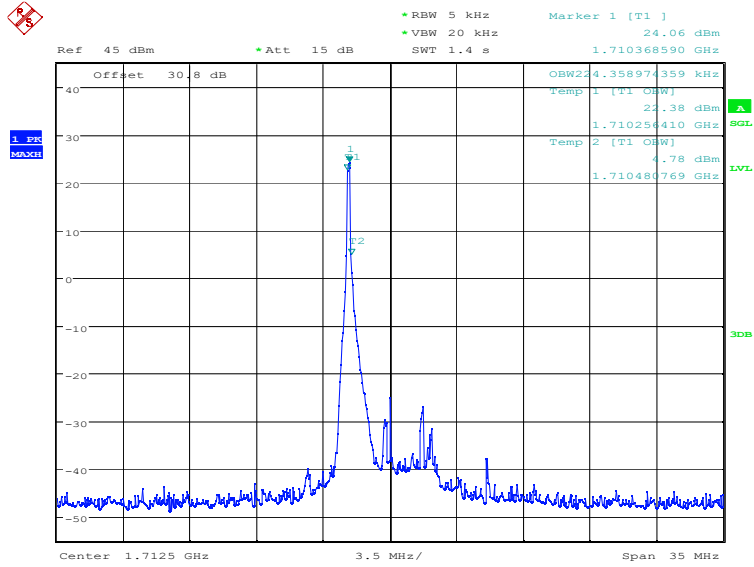
Date: 10.JAN.2024 17:06:51

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



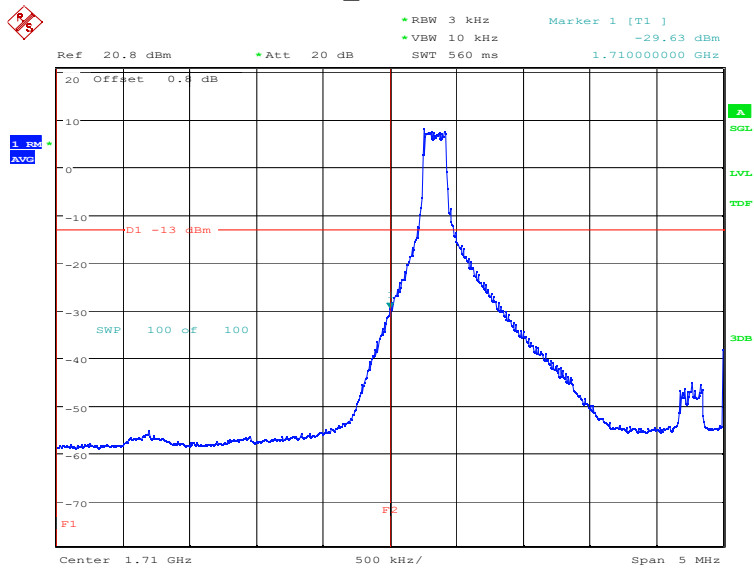
Date: 10.JAN.2024 17:08:23

**LTE band 4**  
**OBW: 1RB-low\_offset**



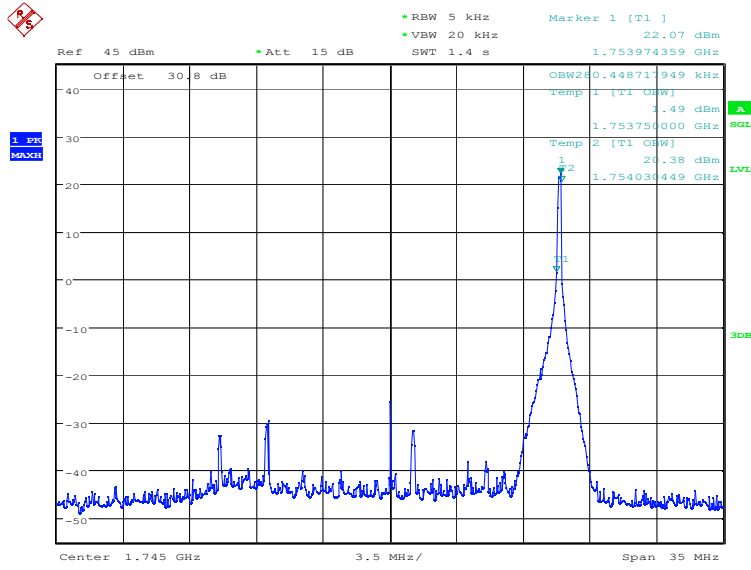
Date: 22.FEB.2024 13:19:32

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



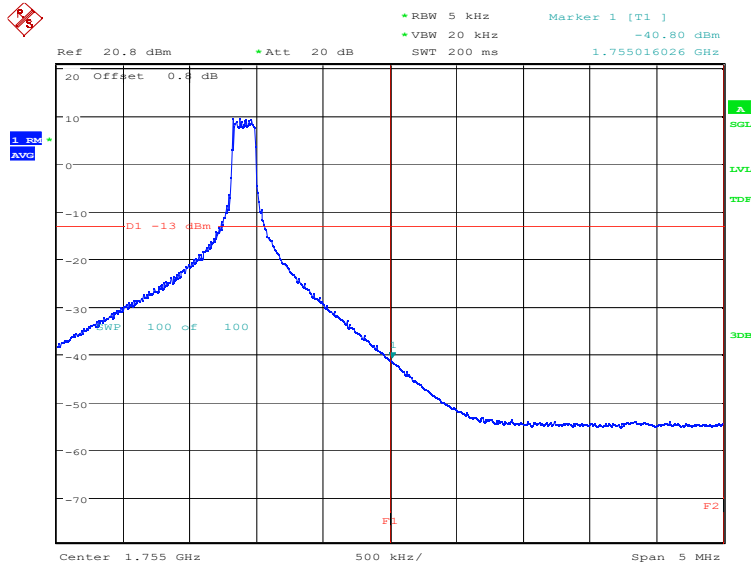
Date: 22.FEB.2024 13:20:46

### OBW: 1RB-high\_offset



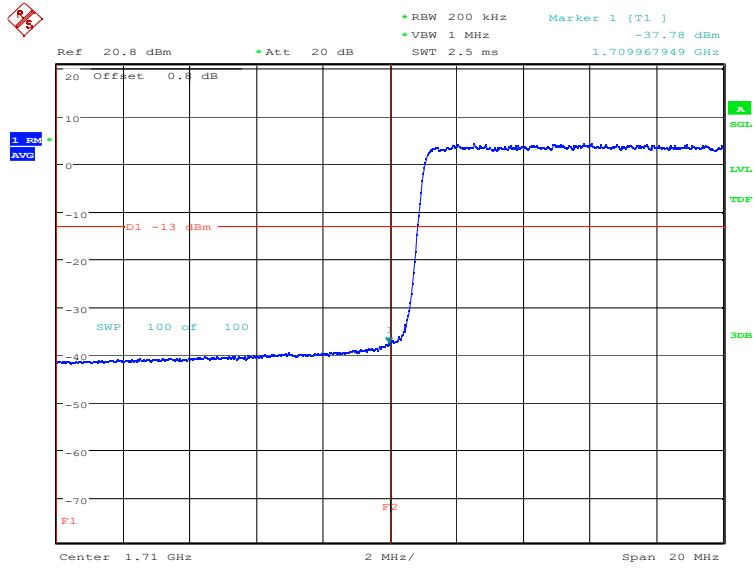
Date: 22.FEB.2024 13:22:56

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



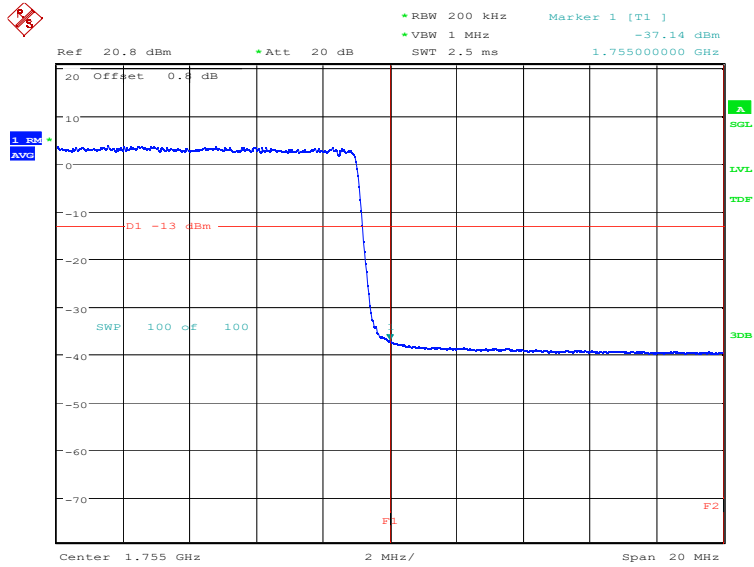
Date: 22.FEB.2024 13:24:10

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



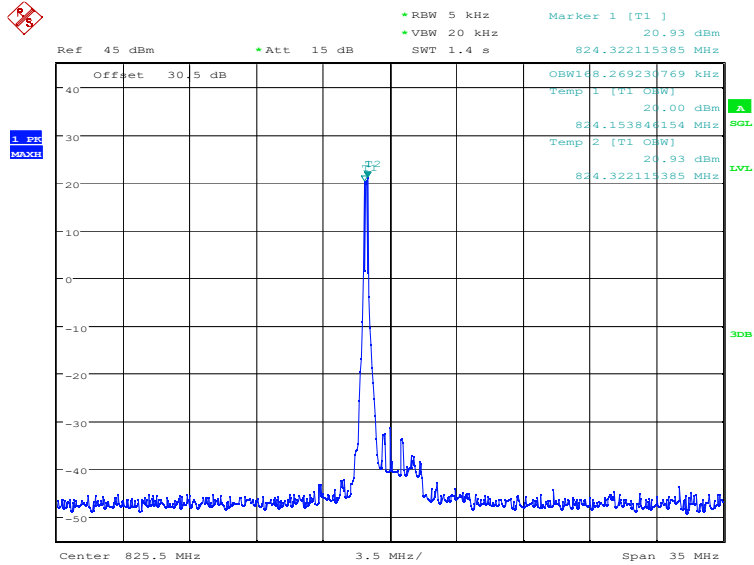
Date: 22.FEB.2024 13:21:23

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



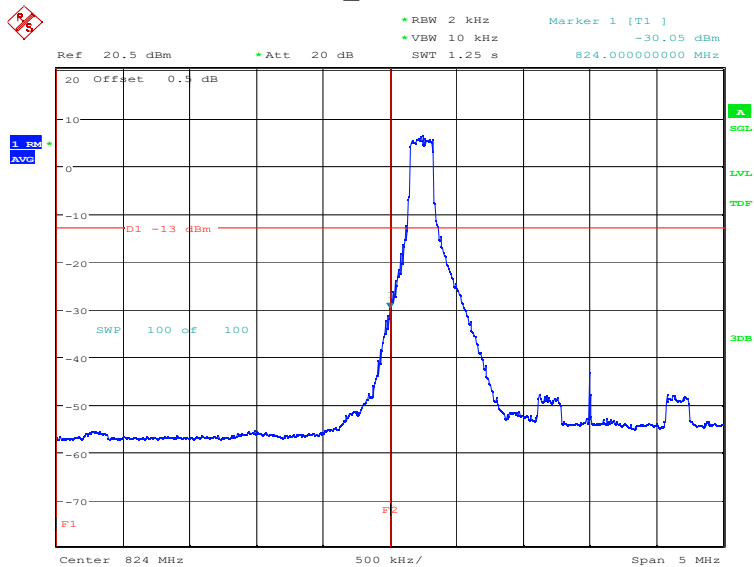
Date: 22.FEB.2024 13:24:44

**LTE band 5**  
**OBW: 1RB-low\_offset**



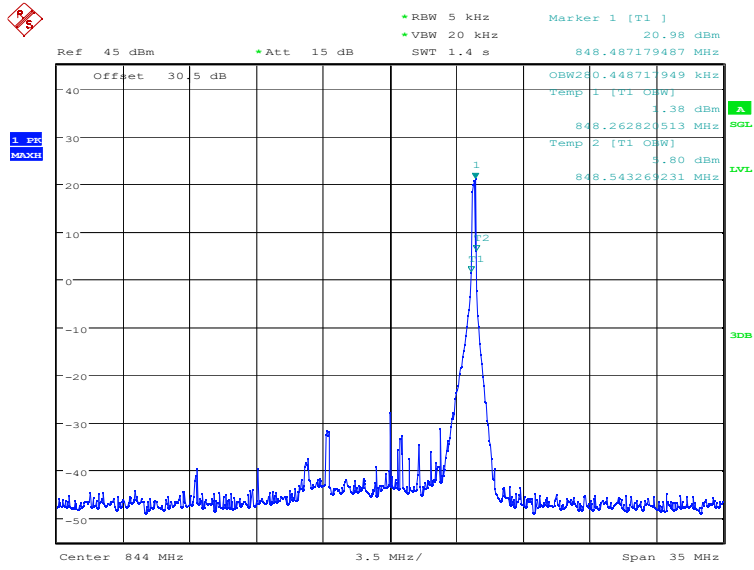
Date: 22.FEB.2024 11:48:54

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



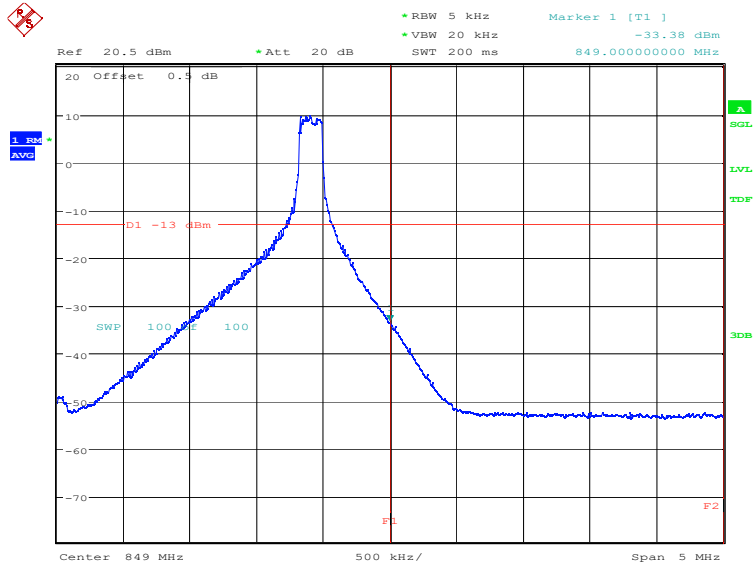
Date: 22.FEB.2024 11:51:23

### OBW: 1RB-high\_offset



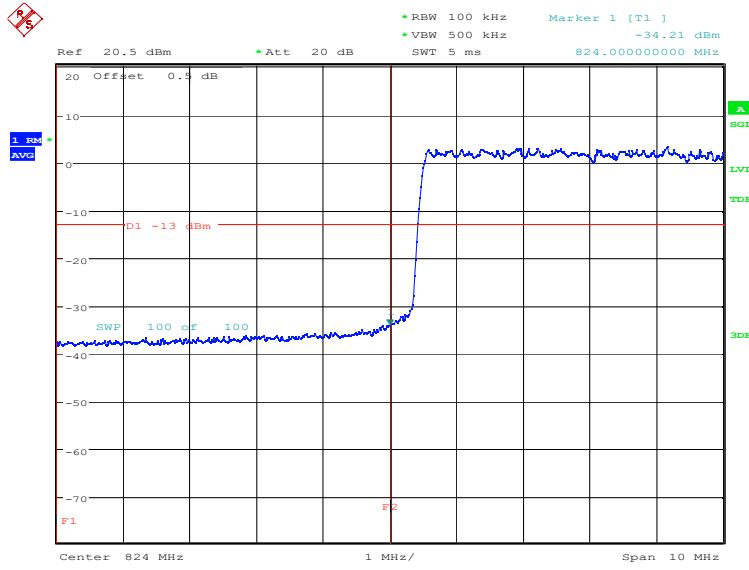
Date: 22.FEB.2024 11:52:01

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



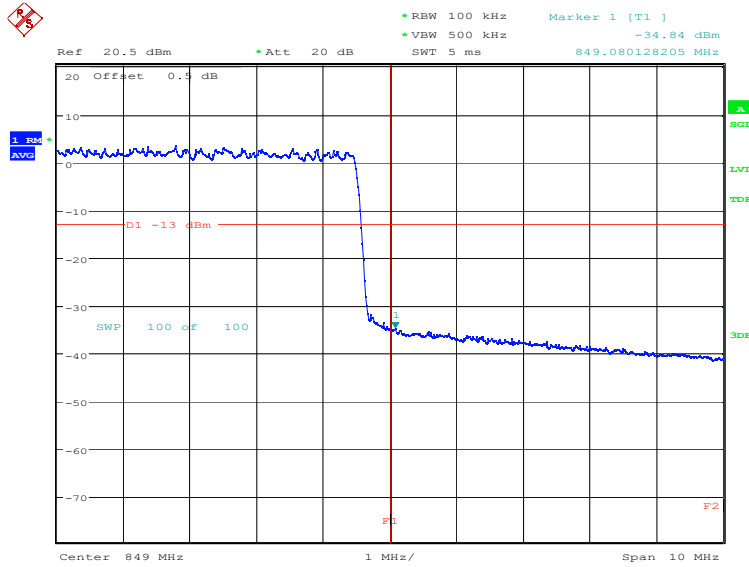
Date: 22.FEB.2024 11:53:16

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



Date: 10.JAN.2024 10:49:42

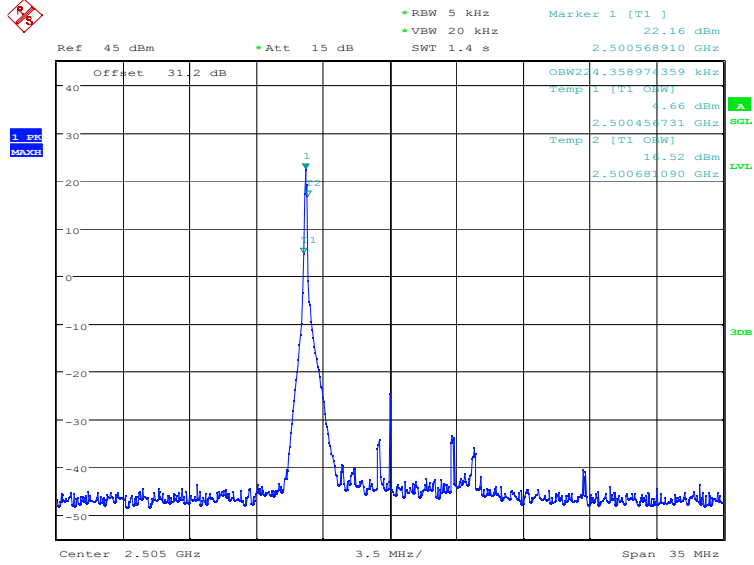
### HIGH BAND EDGE BLOCK-10MHz-100%RB



Date: 10.JAN.2024 10:51:14

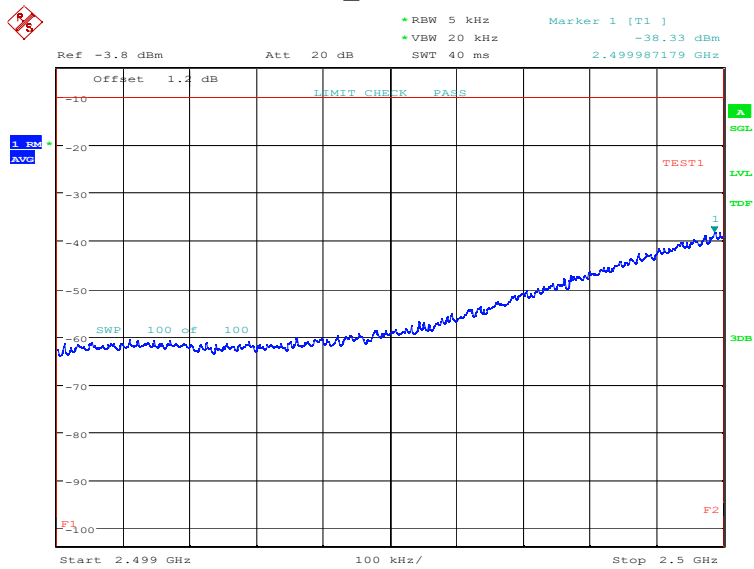


LTE band 7  
OBW: 1RB-low\_offset

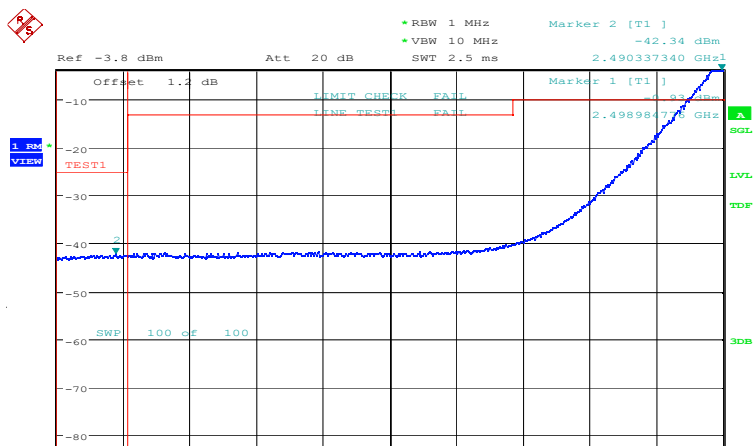


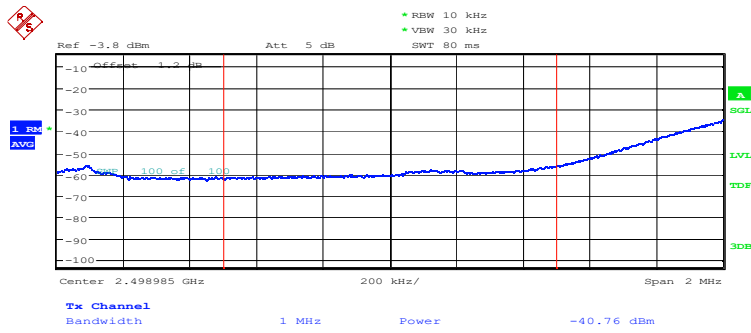
Date: 22.FEB.2024 12:14:43

LOW BAND EDGE BLOCK-1RB-low\_offset



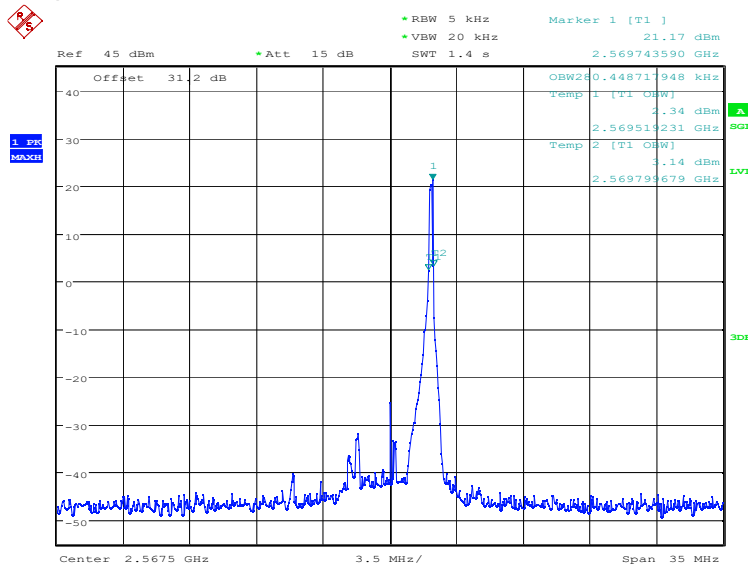
Date: 22.FEB.2024 12:16:04





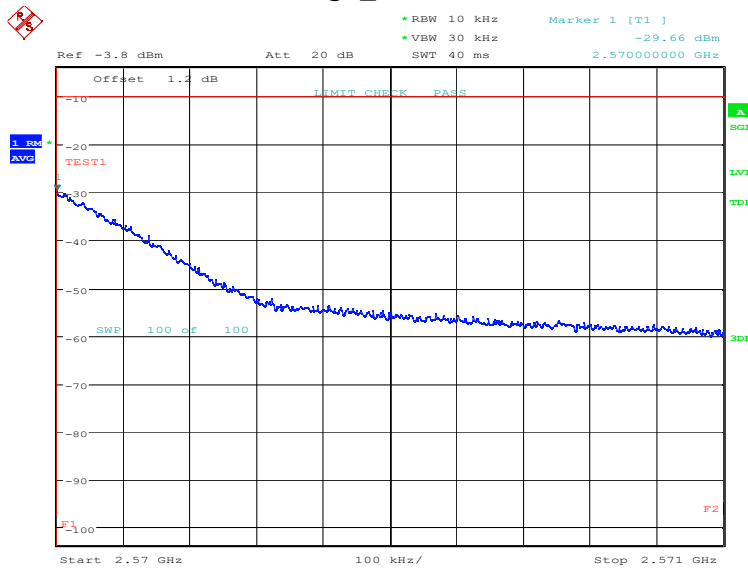
Date: 22.FEB.2024 12:18:22

### OBW: 1RB-high\_offset

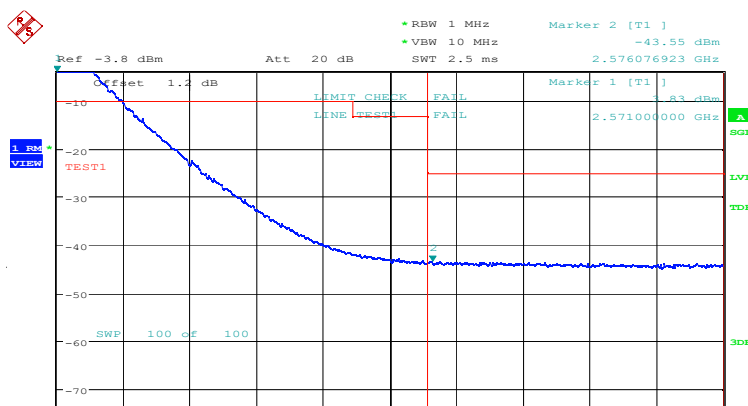


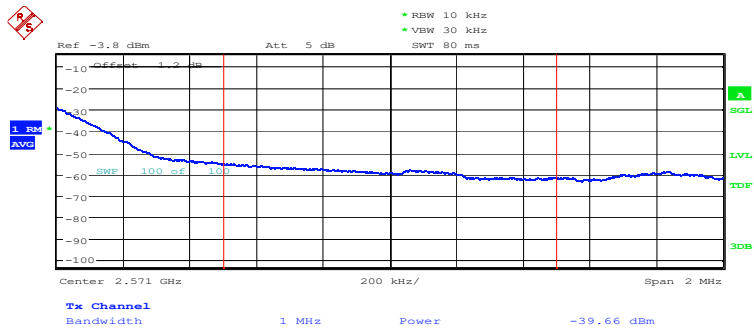
Date: 22.FEB.2024 12:19:40

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



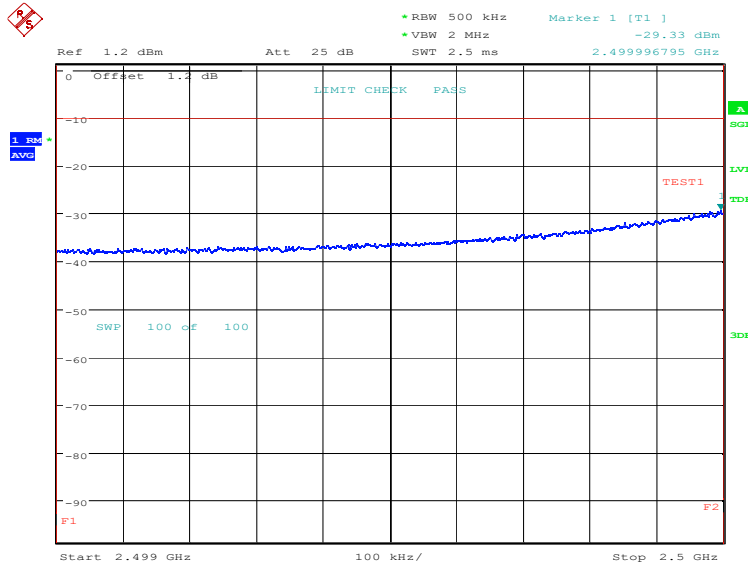
Date: 22.FEB.2024 12:21:01



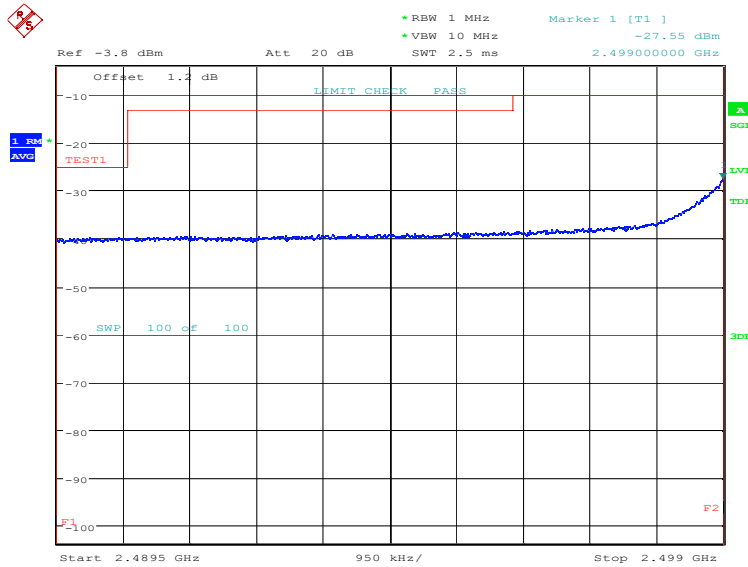


Date: 22.FEB.2024 12:23:18

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

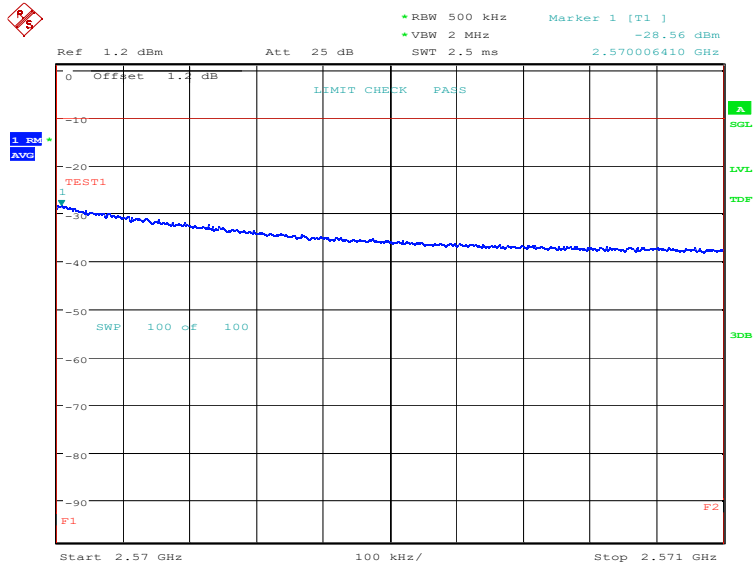


Date: 10.JAN.2024 12:08:17

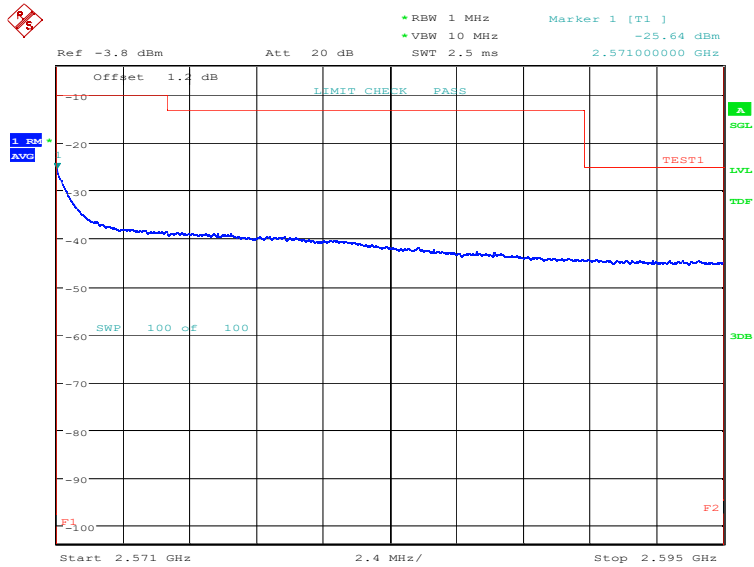


Date: 10.JAN.2024 12:09:58

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

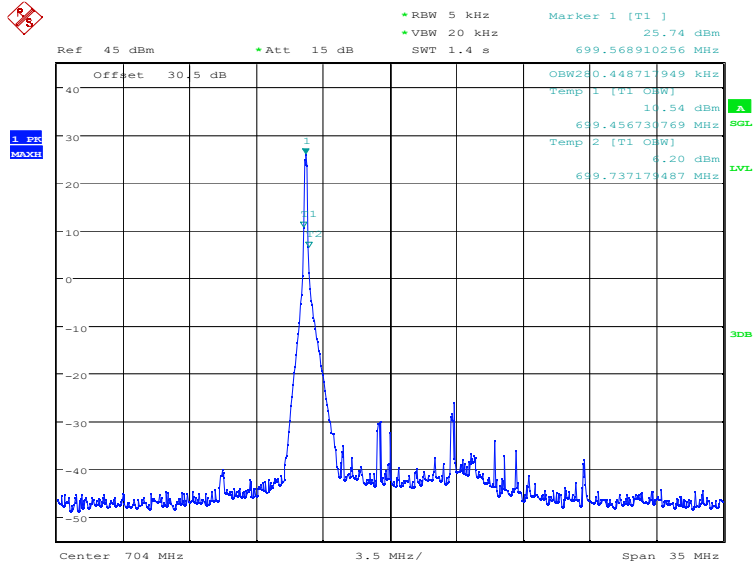


Date: 10.JAN.2024 12:12:56



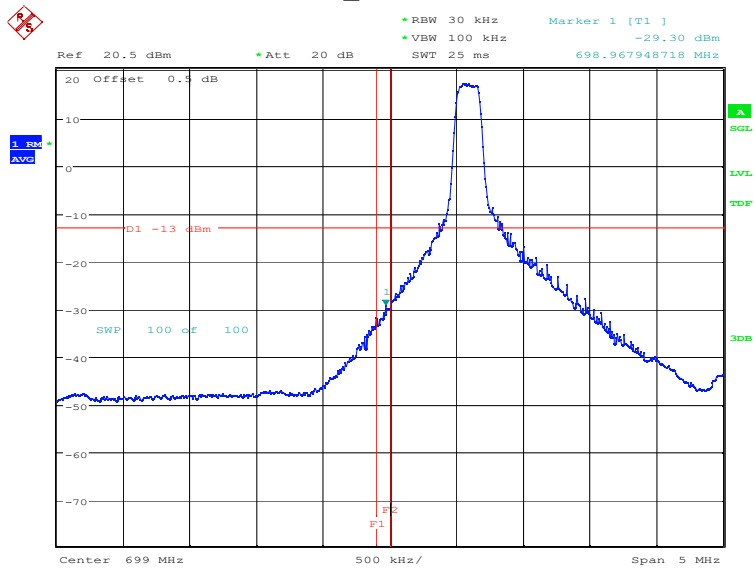
Date: 10.JAN.2024 12:14:37

**LTE band 12**  
**OBW: 1RB-low\_offset**



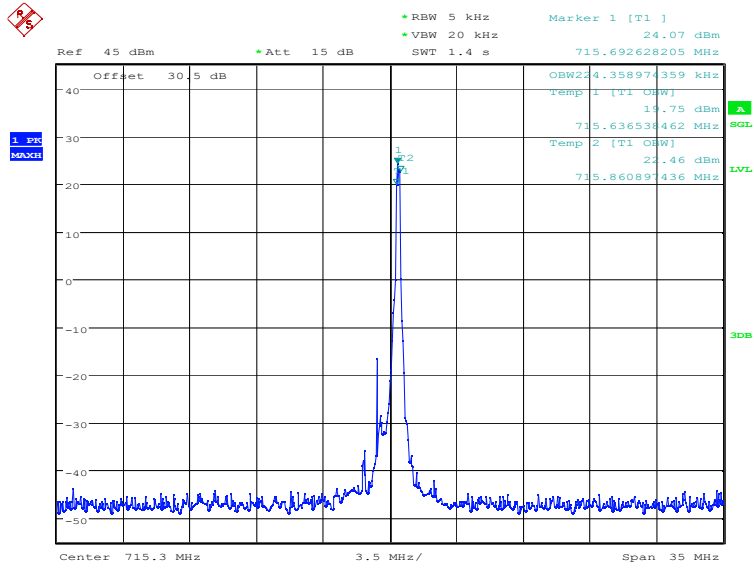
Date: 22.FEB.2024 11:54:40

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



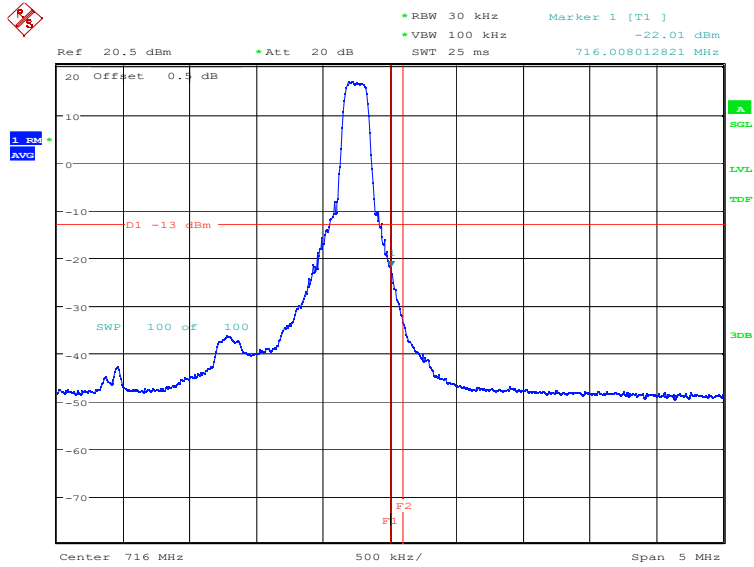
Date: 22.FEB.2024 11:55:00

### OBW: 1RB-high\_offset



Date: 22.FEB.2024 11:56:18

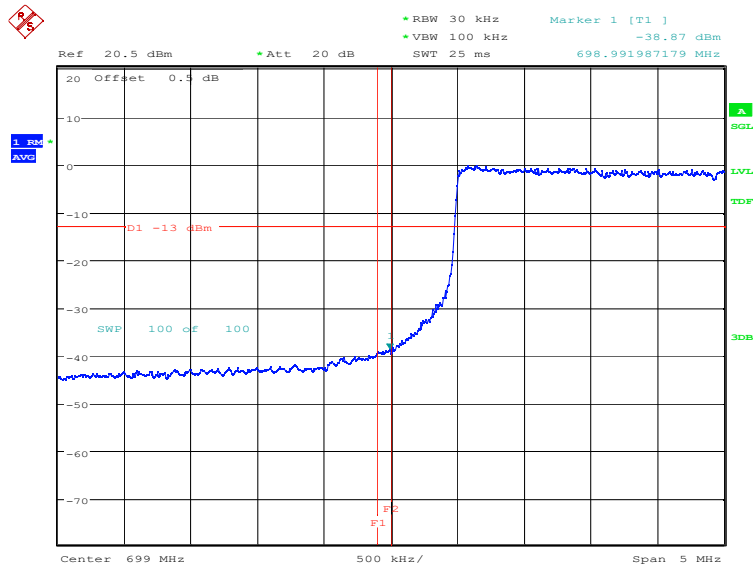
### HIGH BAND EDGE BLOCK-1RB-high\_offset



Date: 22.FEB.2024 11:56:37

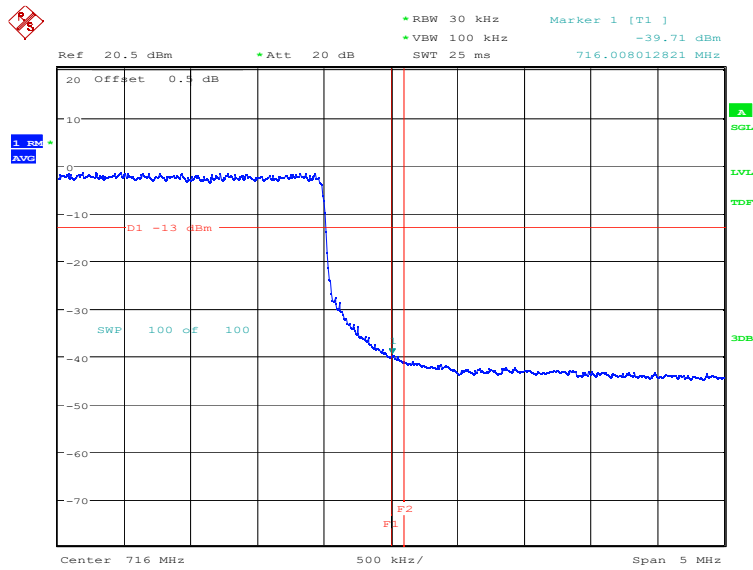


### LOW BAND EDGE BLOCK-10MHz-100%RB



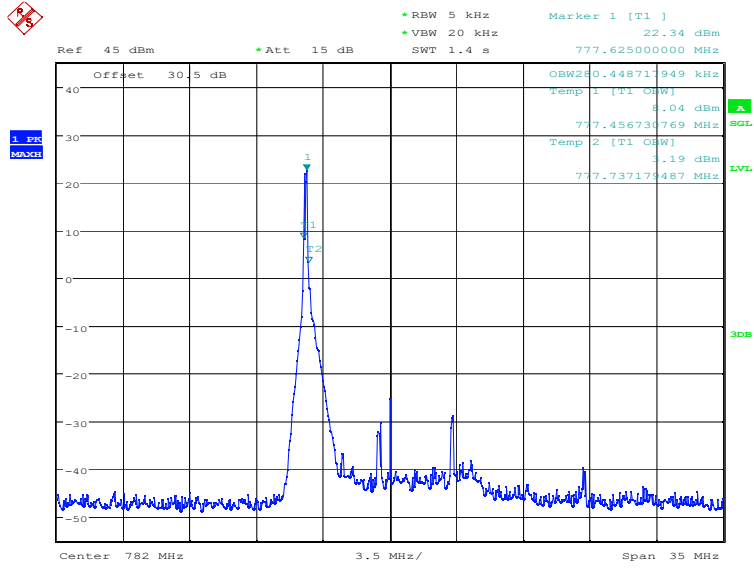
Date: 10.JAN.2024 10:52:48

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



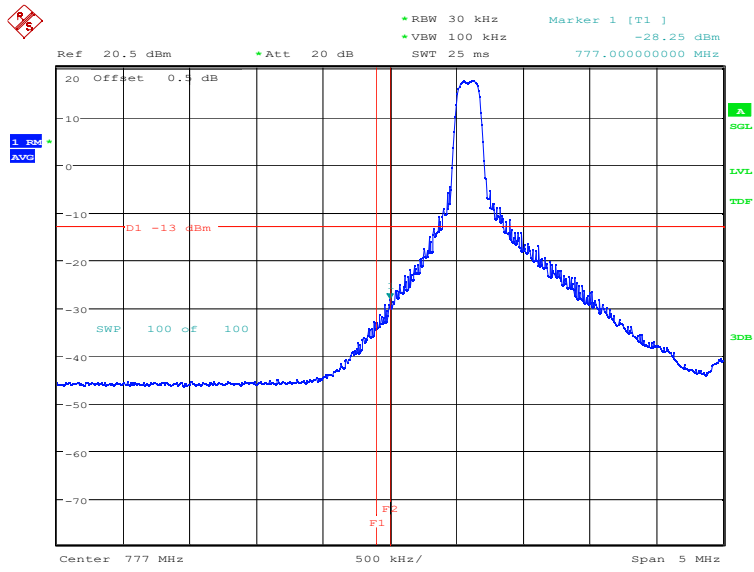
Date: 10.JAN.2024 10:54:20

LTE band 13  
OBW: 1RB-low\_offset

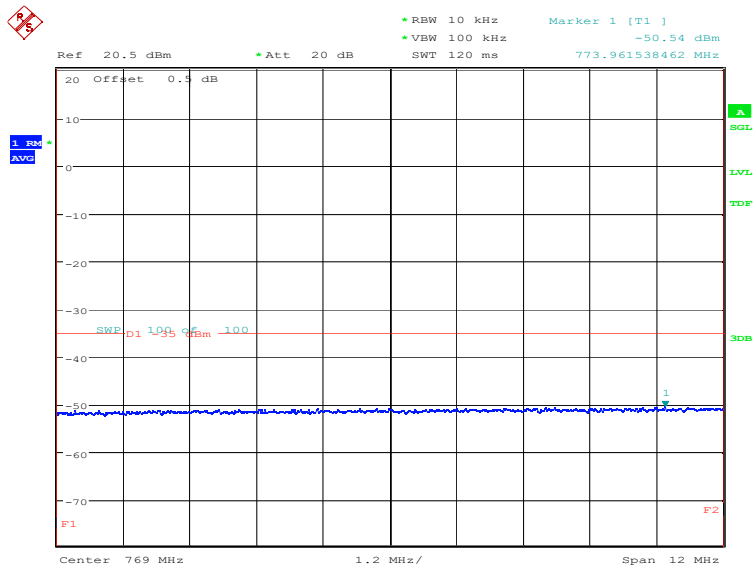


Date: 22.FEB.2024 11:58:11

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



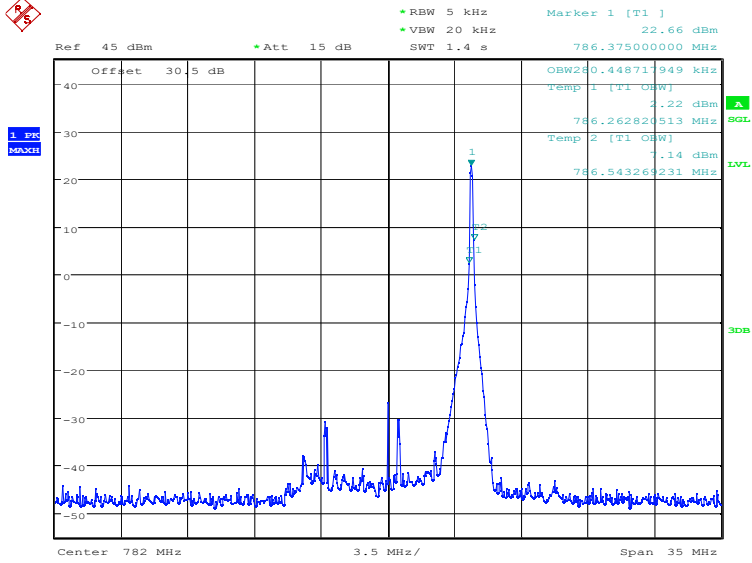
Date: 22.FEB.2024 11:58:30



Date: 22.FEB.2024 11:59:10

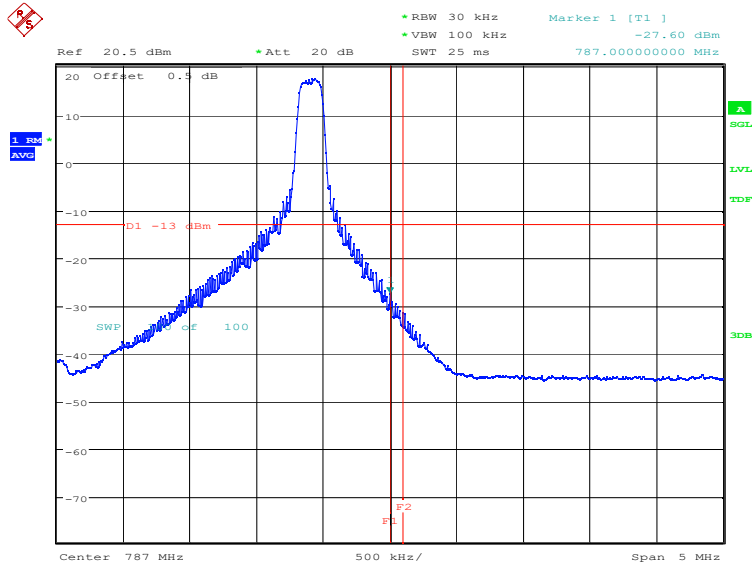


### OBW: 1RB-high\_offset

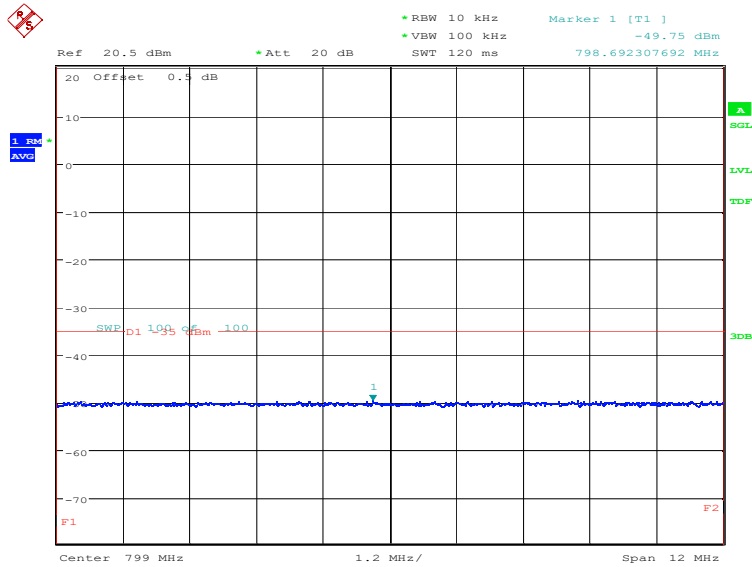


Date: 22.FEB.2024 11:59:45

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

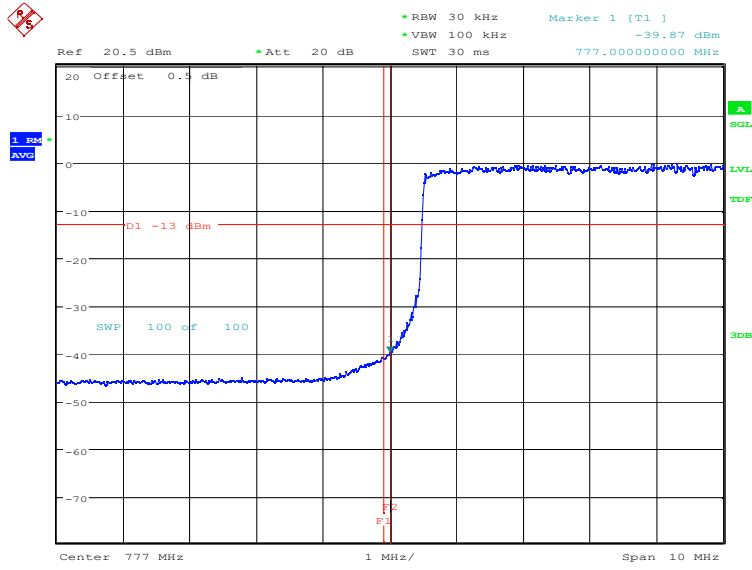


Date: 22.FEB.2024 12:00:04

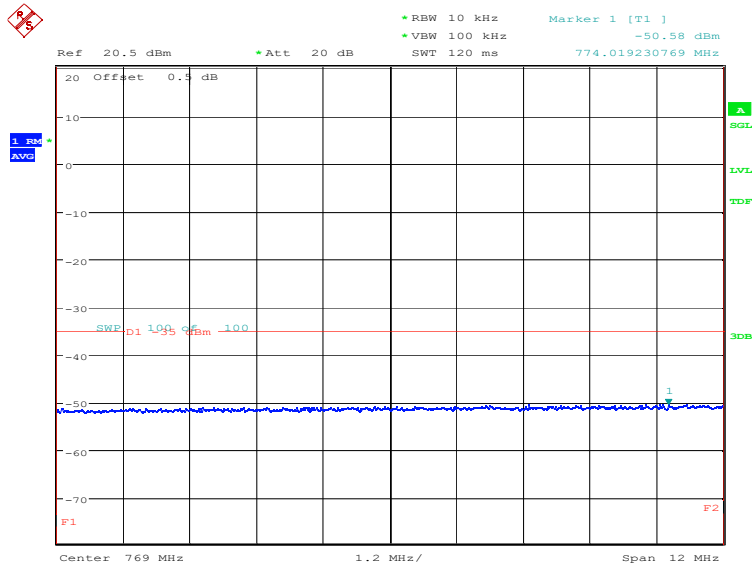


Date: 22.FEB.2024 12:00:44

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

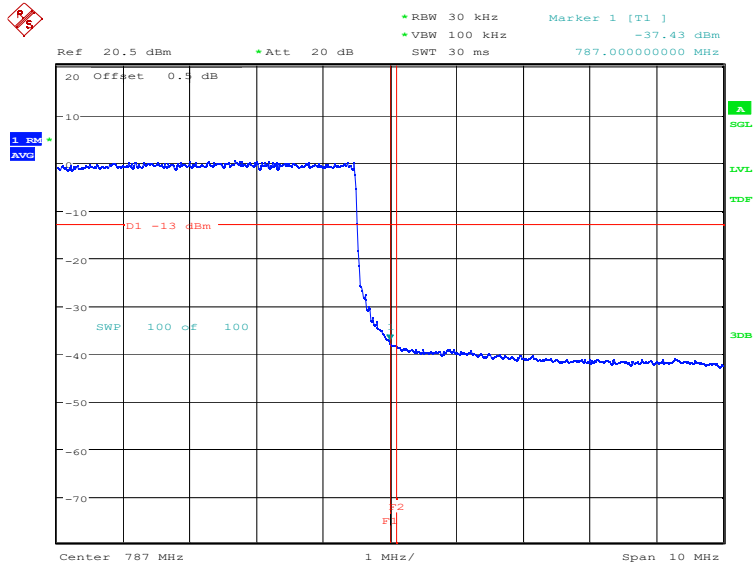


Date: 10.JAN.2024 10:55:53

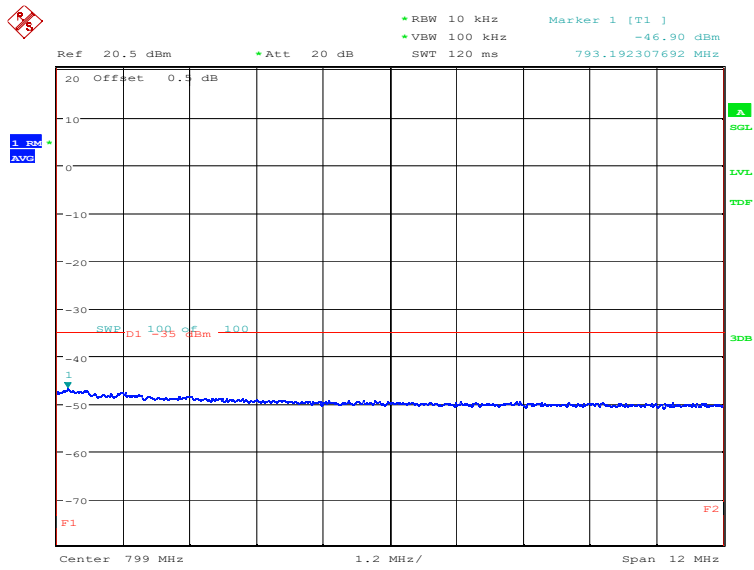


Date: 10.JAN.2024 10:56:32

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

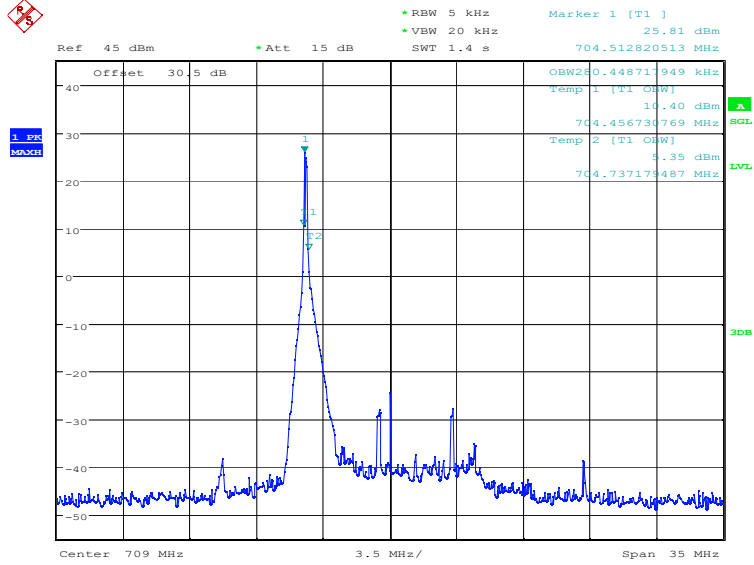


Date: 10.JAN.2024 10:58:04



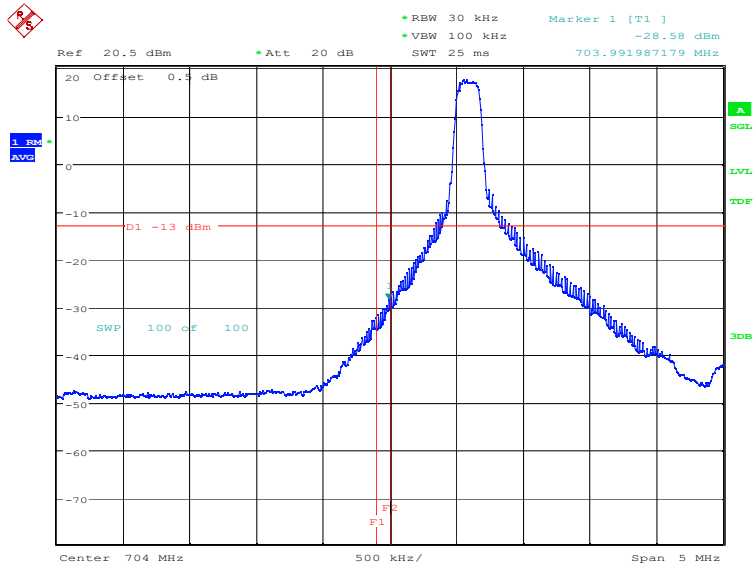
Date: 10.JAN.2024 10:58:44

**LTE band 17**  
**OBW: 1RB-low\_offset**



Date: 22.FEB.2024 12:01:21

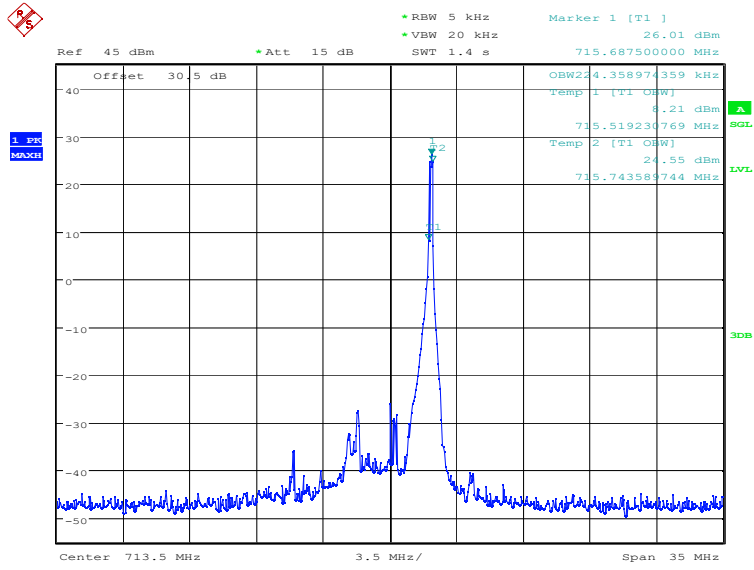
**LOW BAND EDGE BLOCK-1RB-low\_offset**



Date: 22.FEB.2024 12:01:40

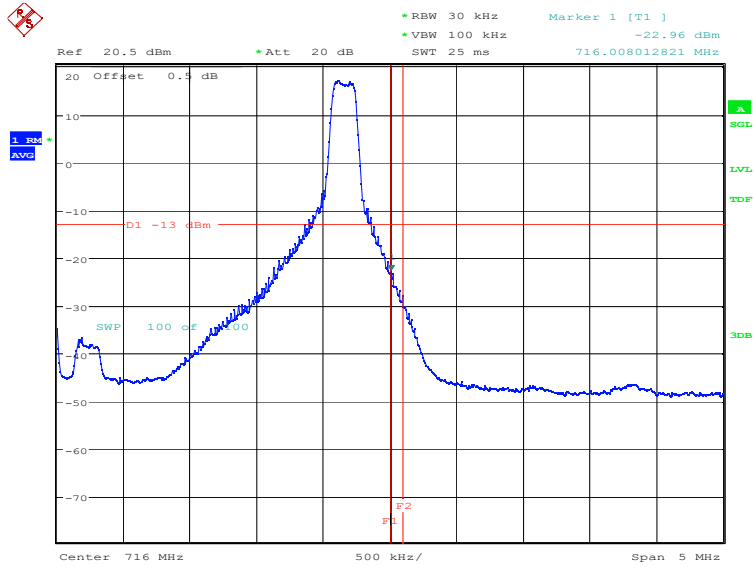


### OBW: 1RB-high\_offset



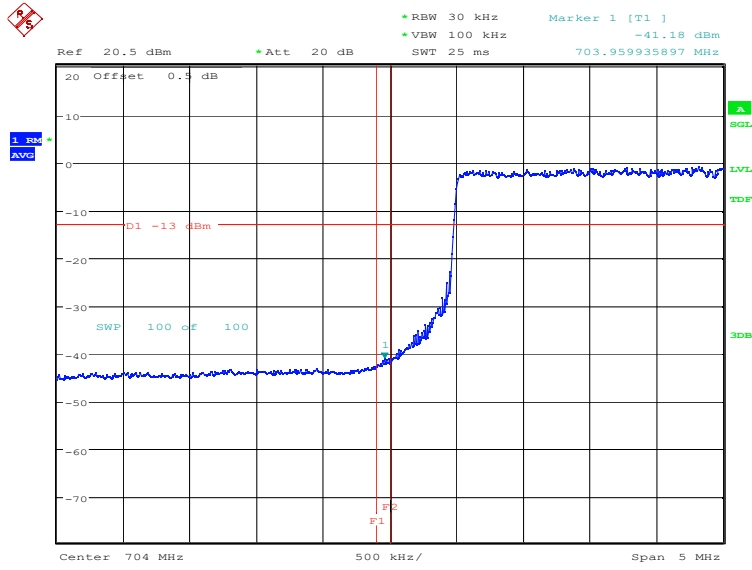
Date: 22.FEB.2024 12:04:30

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



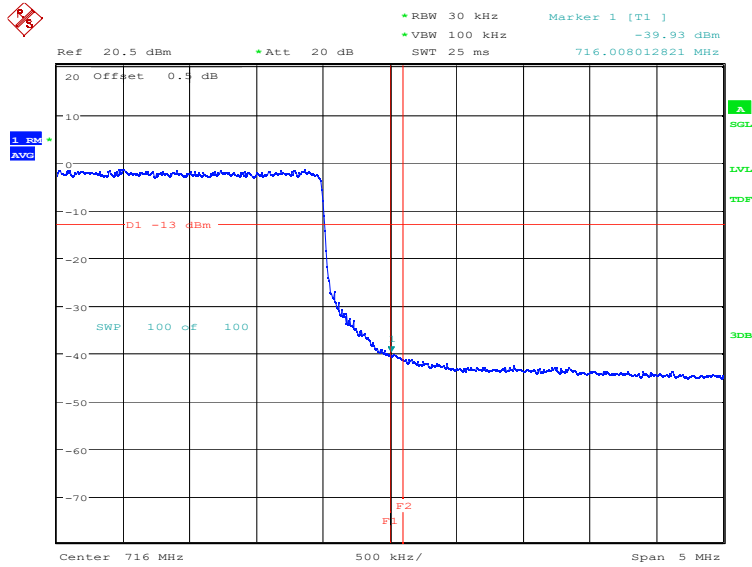
Date: 22.FEB.2024 12:04:49

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



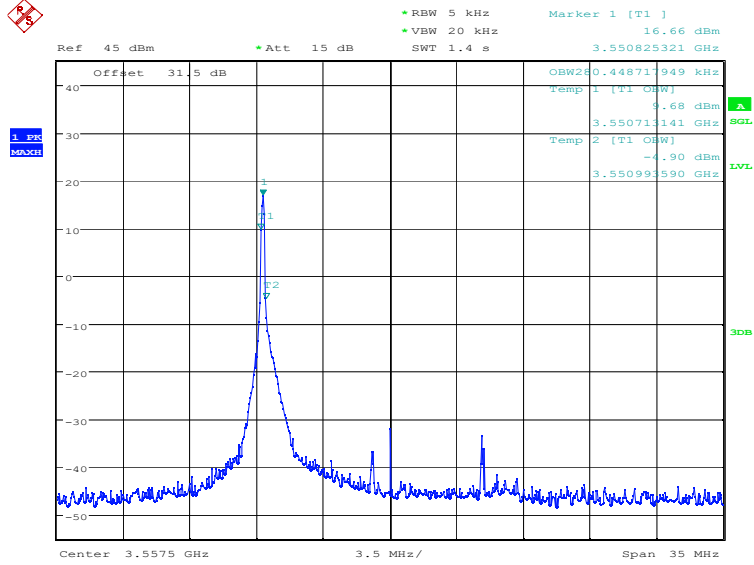
Date: 22.FEB.2024 12:02:14

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



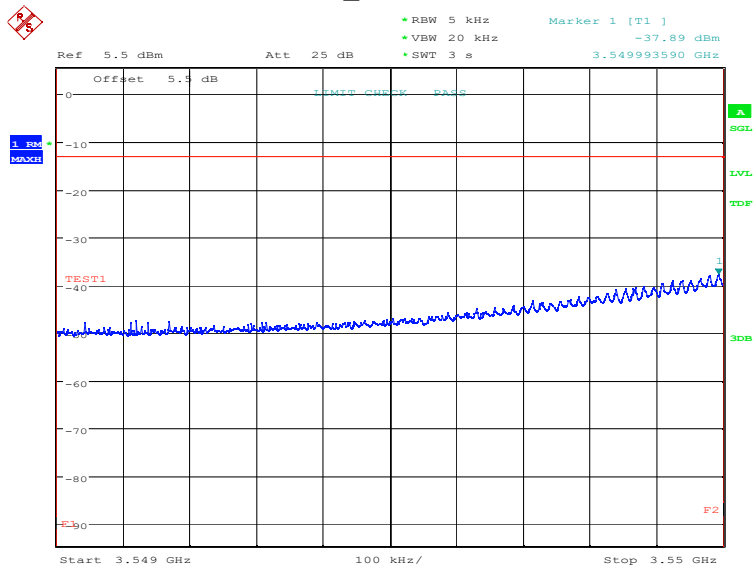
Date: 22.FEB.2024 12:05:25

LTE band 48  
OBW: 1RB-low\_offset

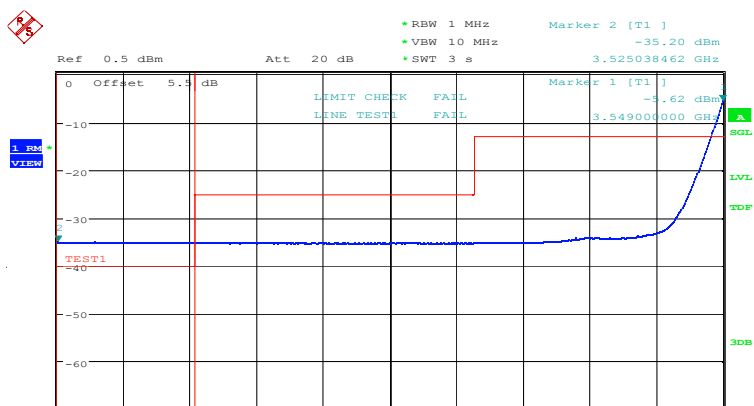


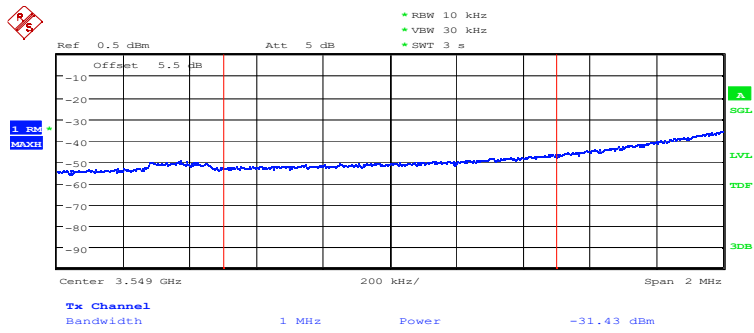
Date: 22.FEB.2024 13:04:03

LOW BAND EDGE BLOCK-1RB-low\_offset

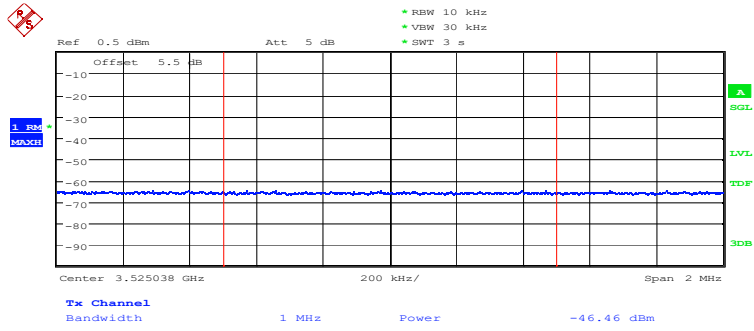


Date: 22.FEB.2024 13:04:44

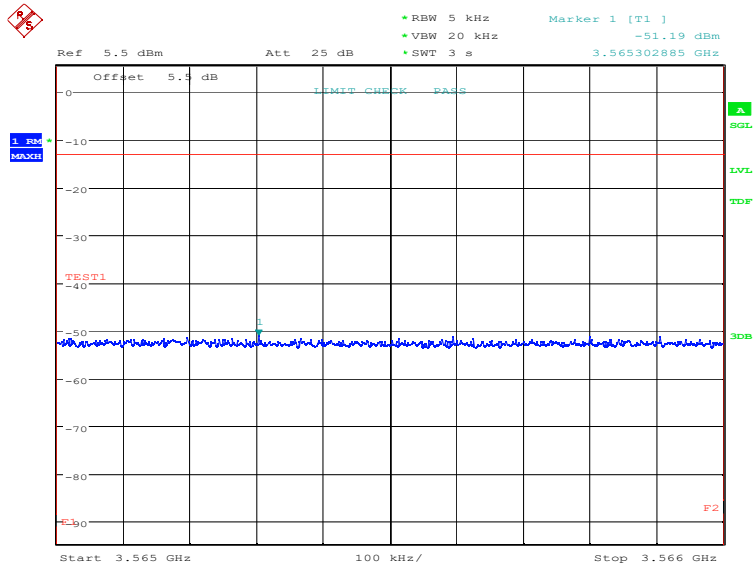




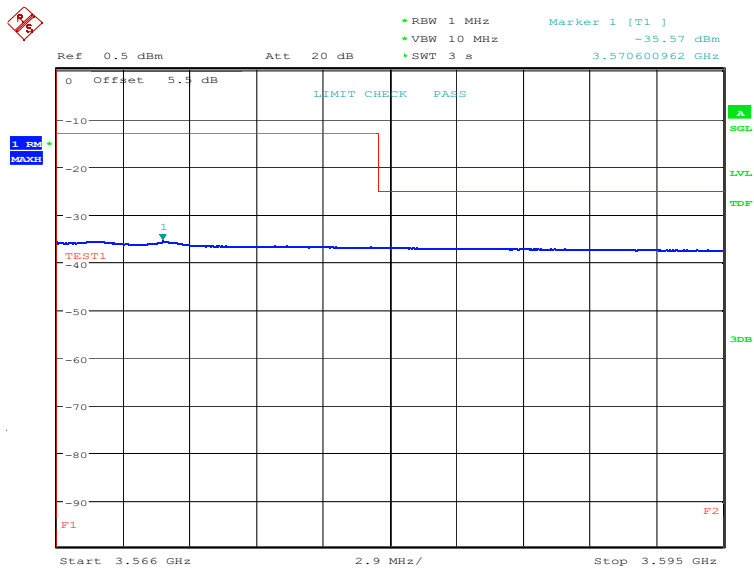
Date: 22.FEB.2024 13:06:31



Date: 22.FEB.2024 13:06:47

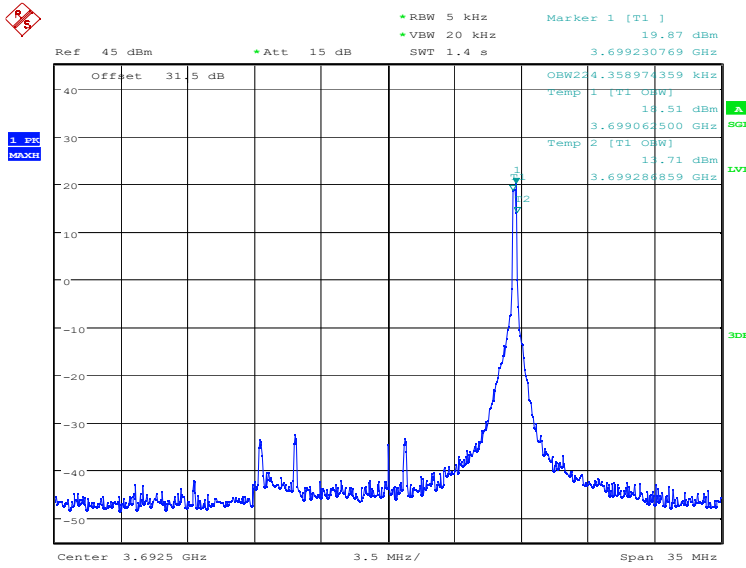


Date: 22.FEB.2024 13:05:26



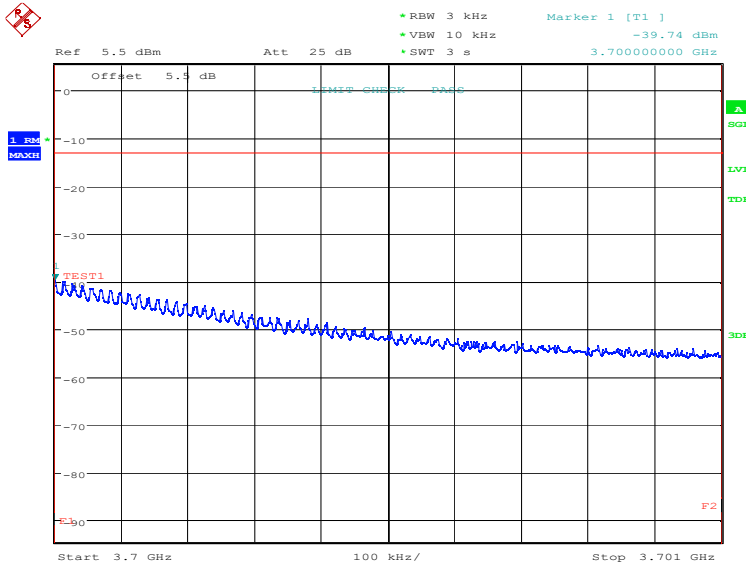


### OBW: 1RB-high\_offset

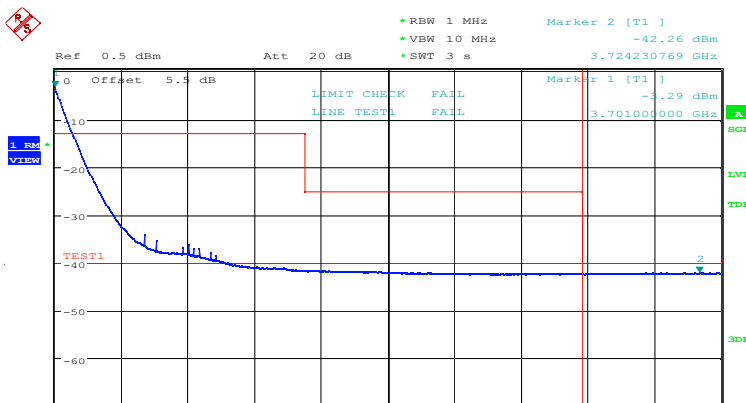


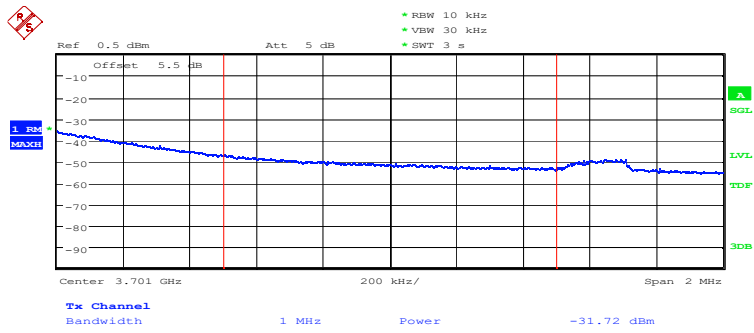
Date: 22.FEB.2024 13:08:04

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



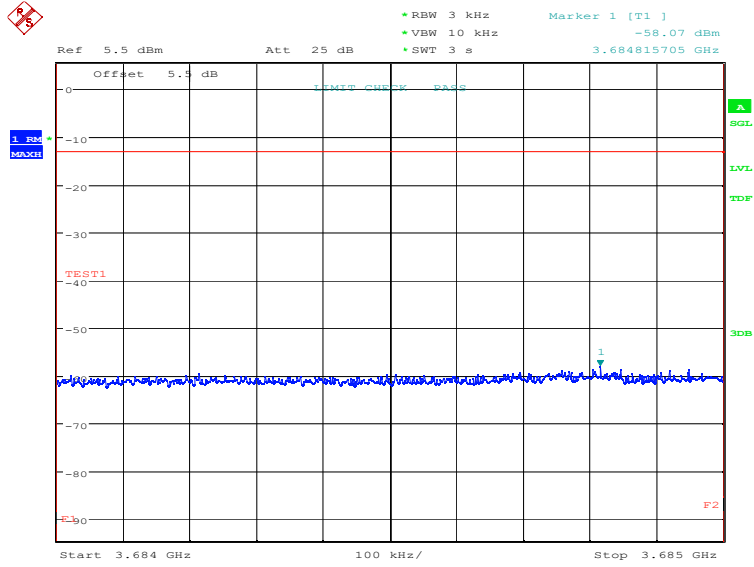
Date: 22.FEB.2024 13:08:45



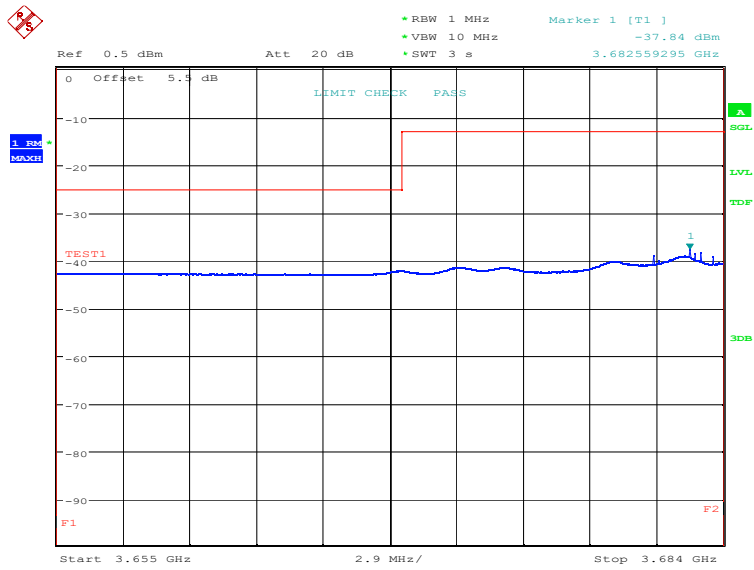


Date: 22.FEB.2024 13:10:32



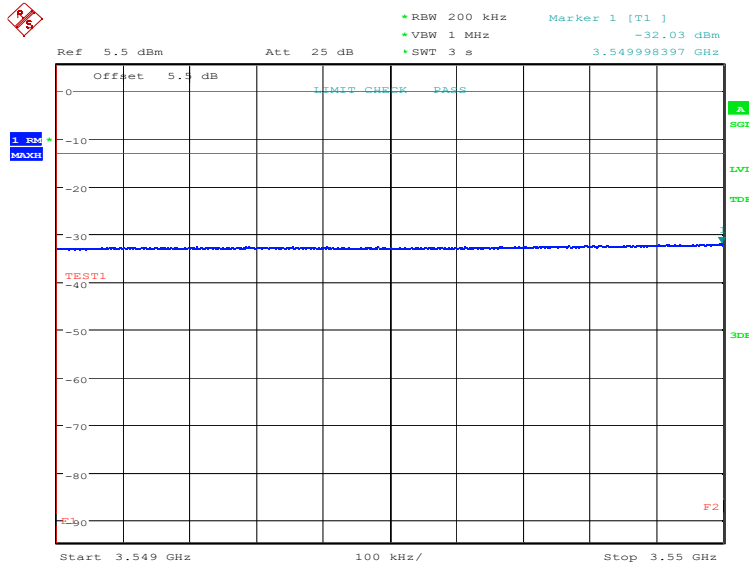


Date: 22.FEB.2024 13:09:27

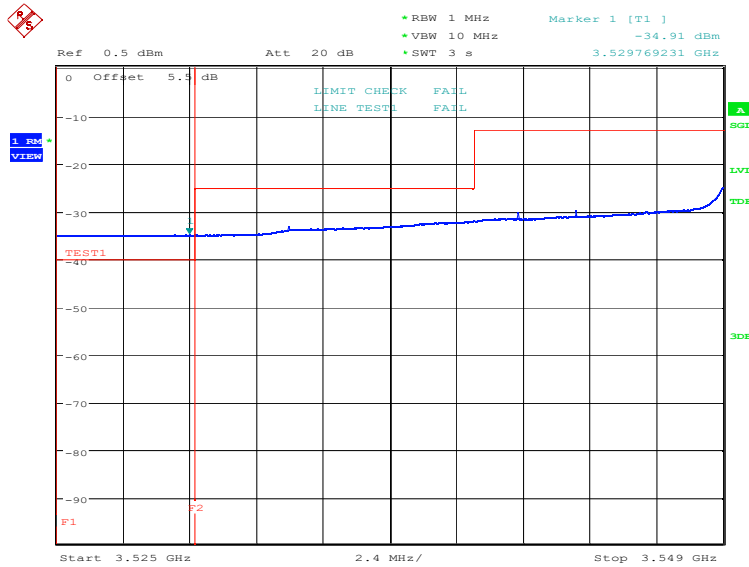


Date: 22.FEB.2024 13:11:11

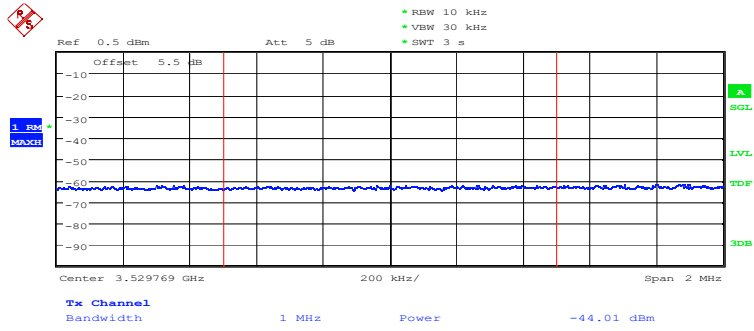
### LOW BAND EDGE BLOCK-20MHz-100%RB



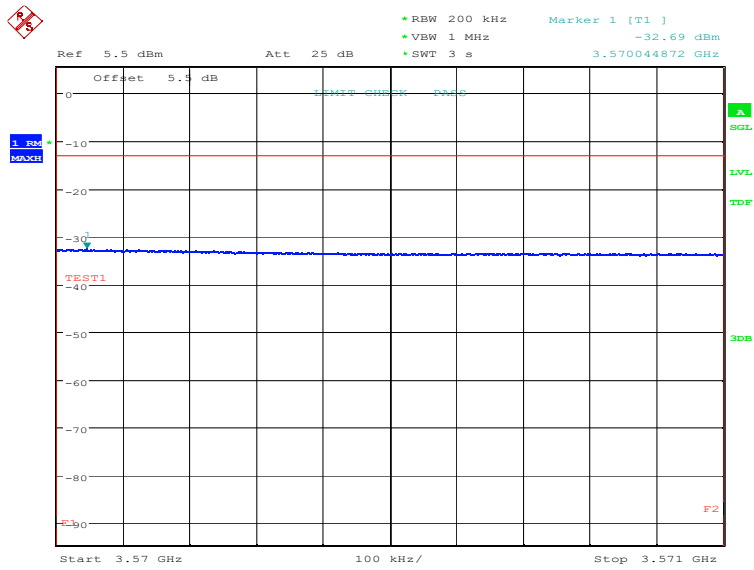
Date: 10.JAN.2024 13:22:46



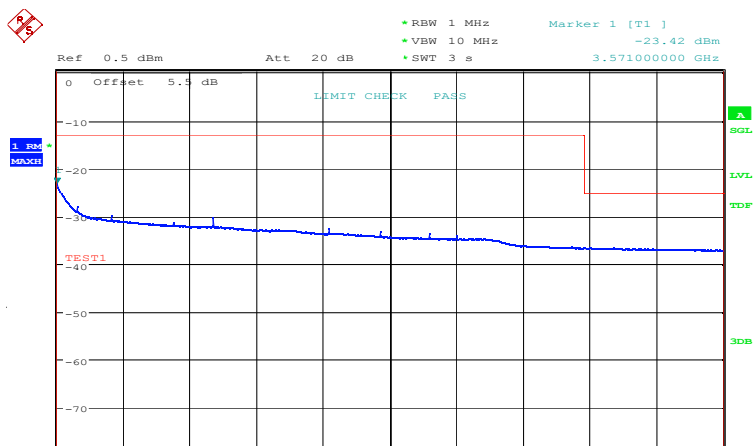
Date: 10.JAN.2024 13:24:13



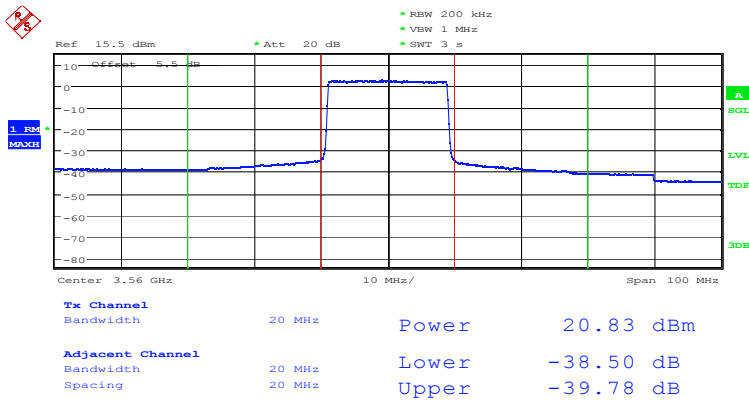
Date: 10.JAN.2024 13:24:31



Date: 10.JAN.2024 13:23:27

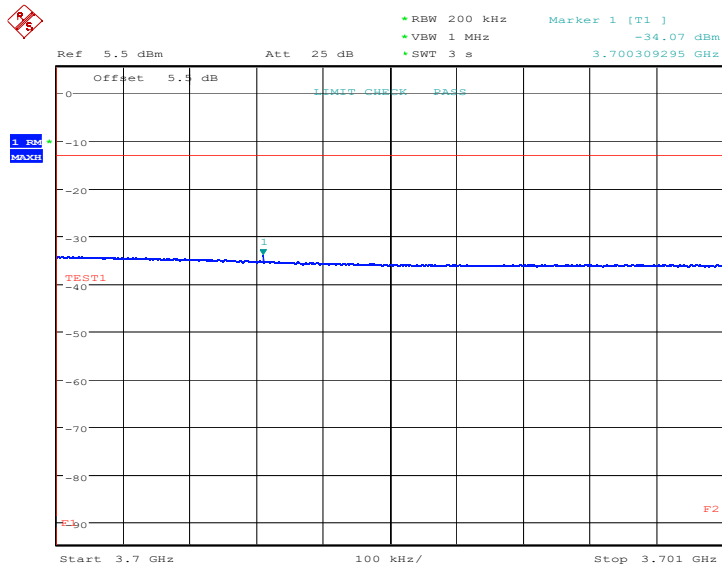


**ACLR**

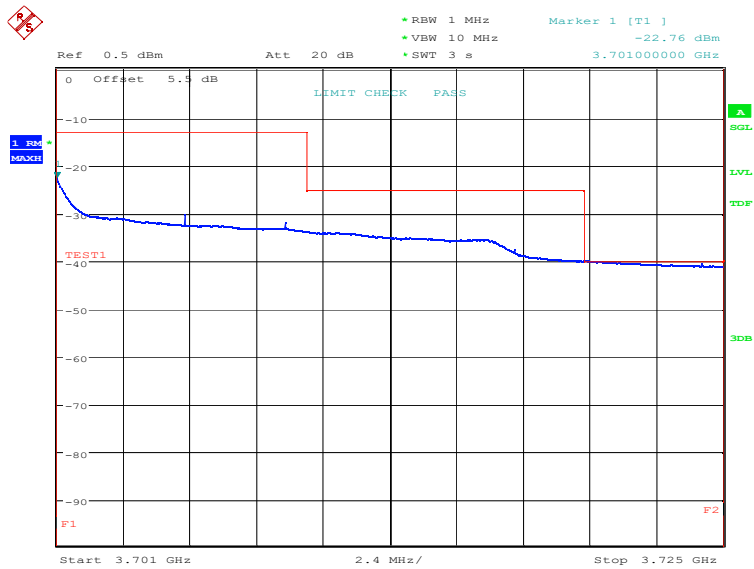


Date: 10.JAN.2024 13:26:28

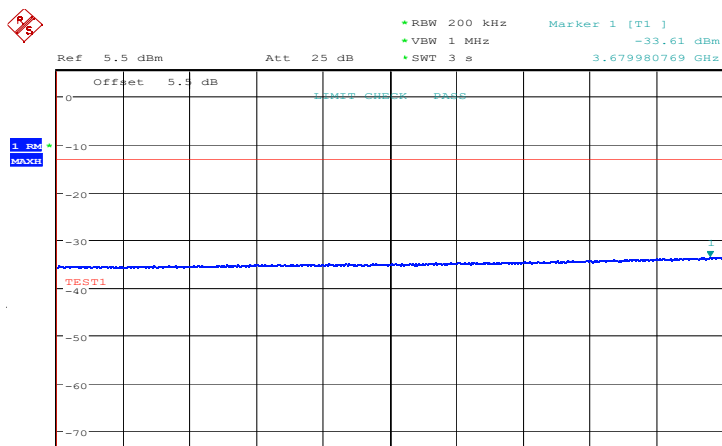
### HIGH BAND EDGE BLOCK-20MHz-100%RB

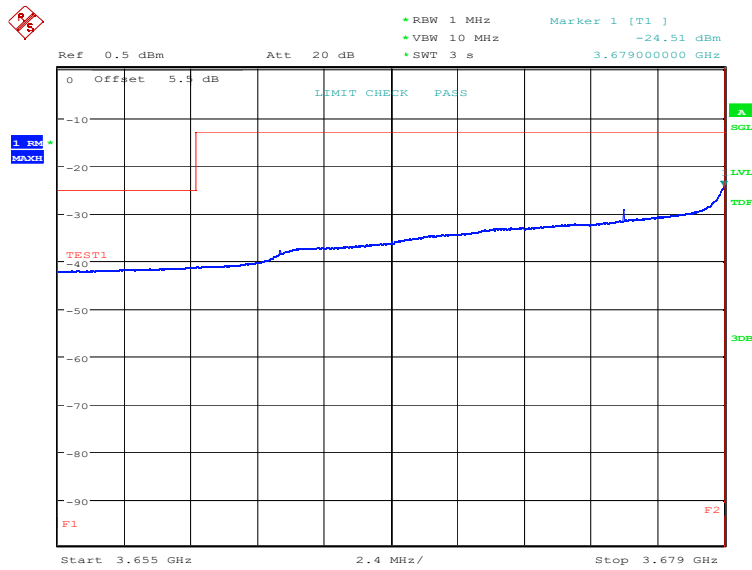


Date: 10.JAN.2024 13:27:24



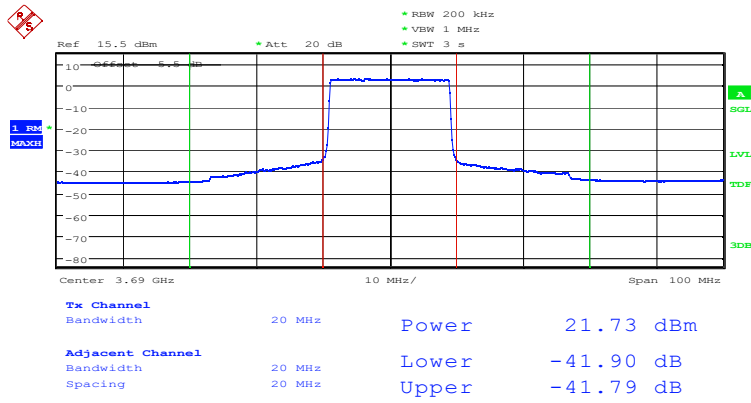
Date: 10.JAN.2024 13:28:44





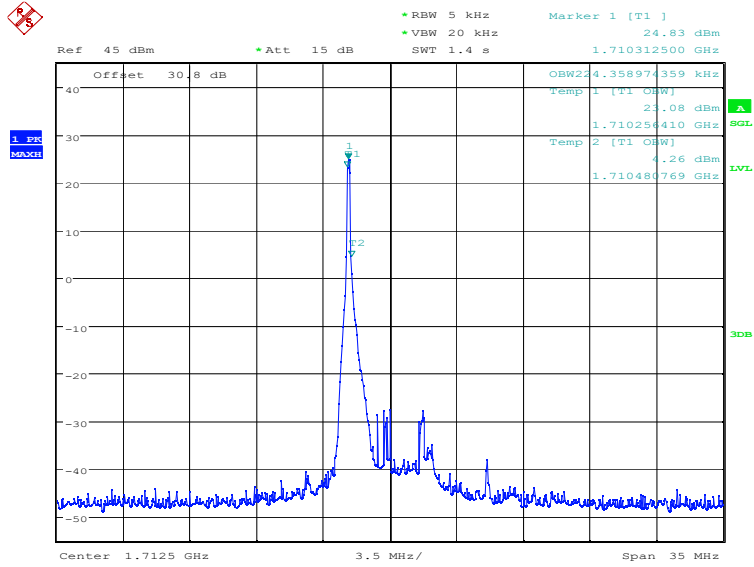
Date: 10.JAN.2024 13:29:25

### ACLR



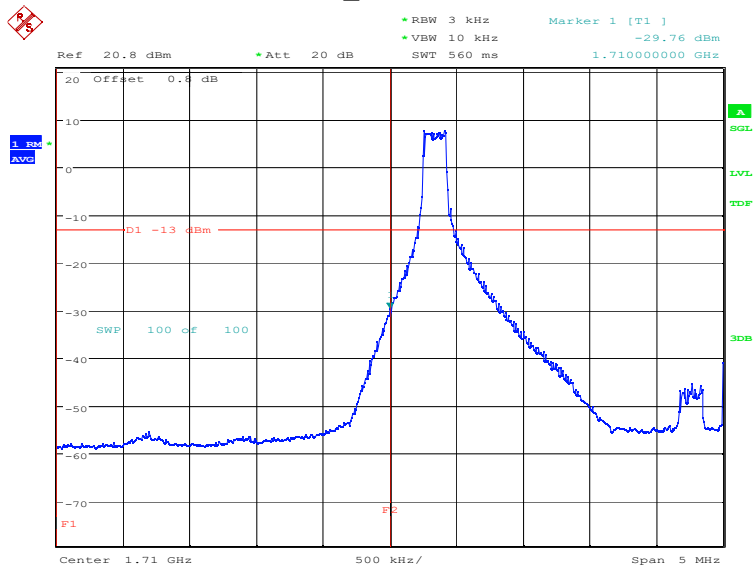
Date: 10.JAN.2024 13:30:43

**LTE band 66**  
**OBW: 1RB-low\_offset**



Date: 22.FEB.2024 13:27:01

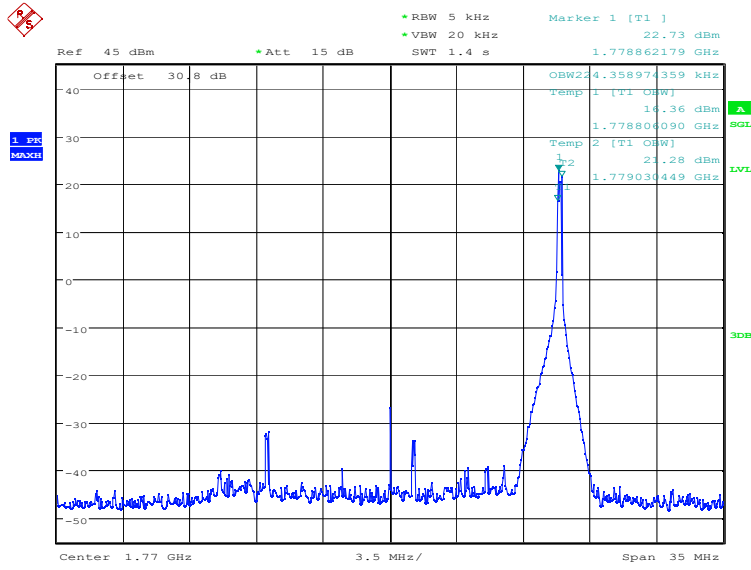
**LOW BAND EDGE BLOCK-1RB-low\_offset**



Date: 22.FEB.2024 13:28:15

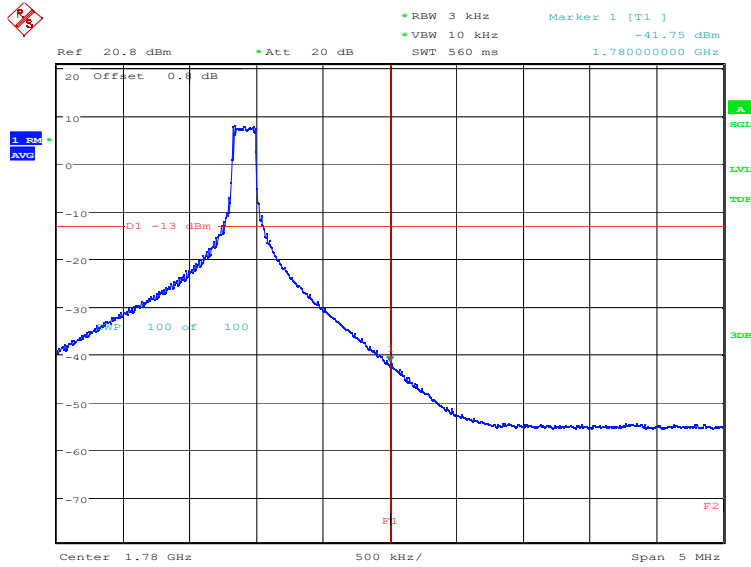


### OBW: 1RB-high\_offset



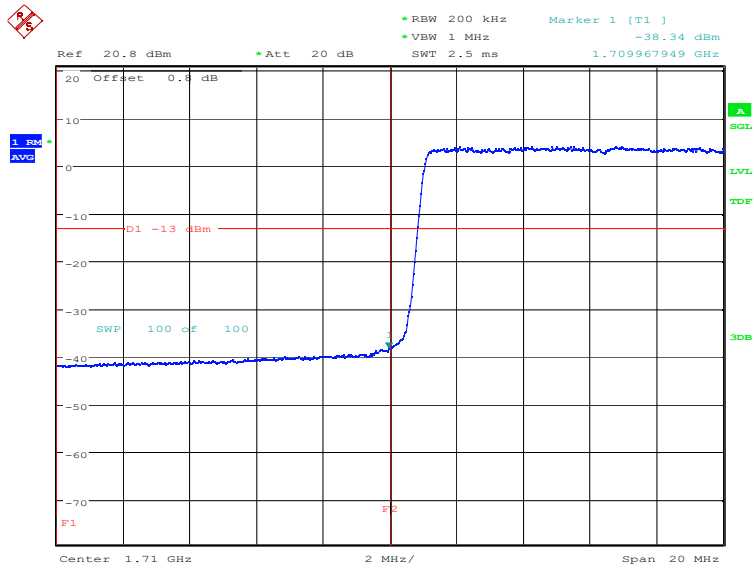
Date: 22.FEB.2024 13:28:53

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



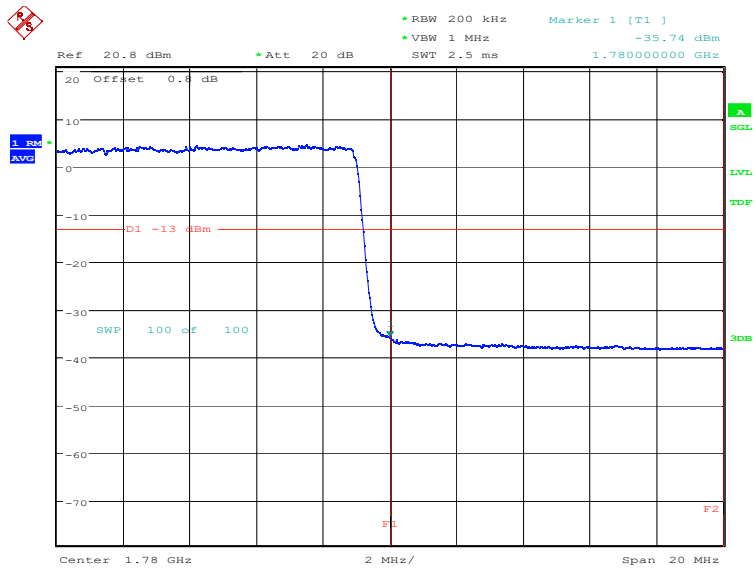
Date: 22.FEB.2024 13:30:08

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



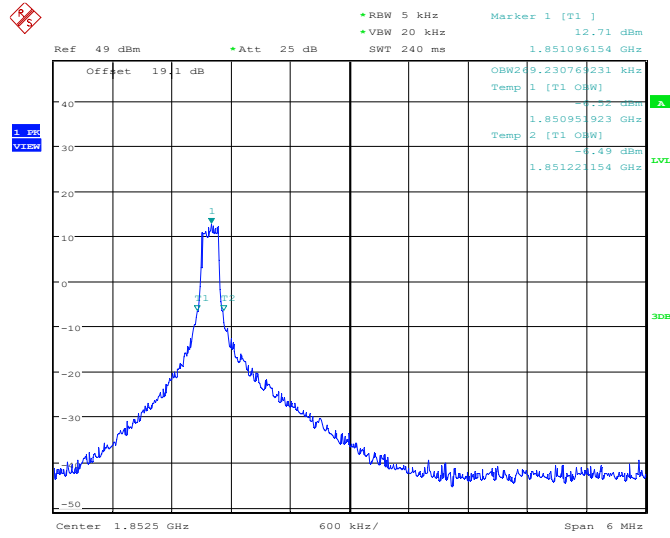
Date: 10.JAN.2024 17:09:57

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



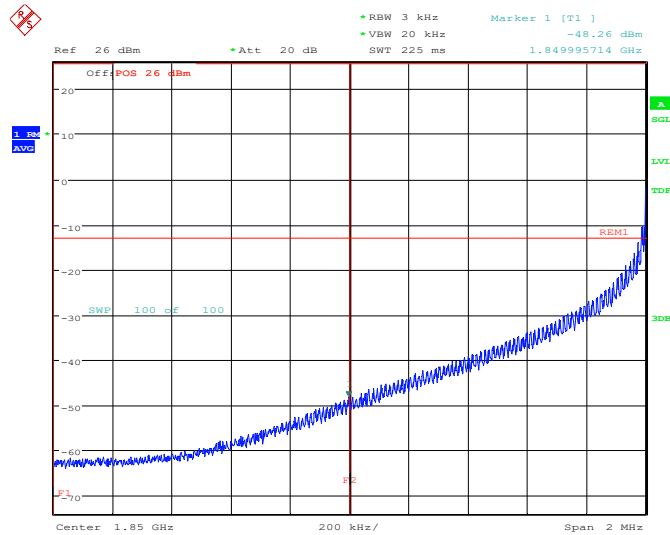
Date: 10.JAN.2024 17:11:30

**LTE band 2@CA 2A-4A**  
**OBW: 1RB-LOW\_offset**



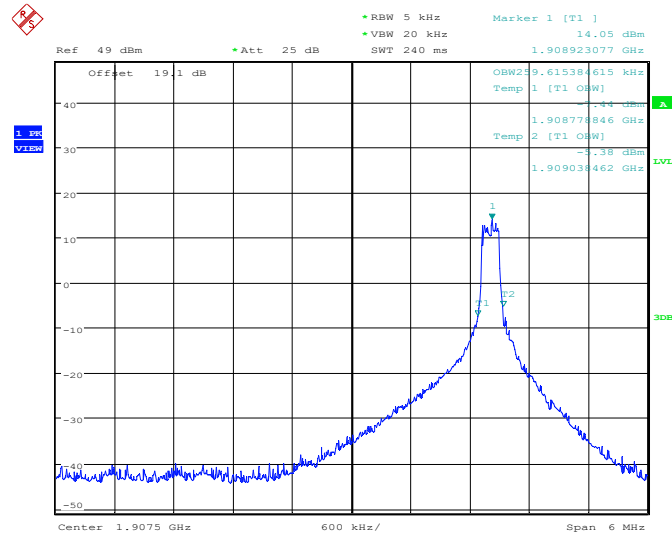
Date: 12.JAN.2024 10:42:39

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



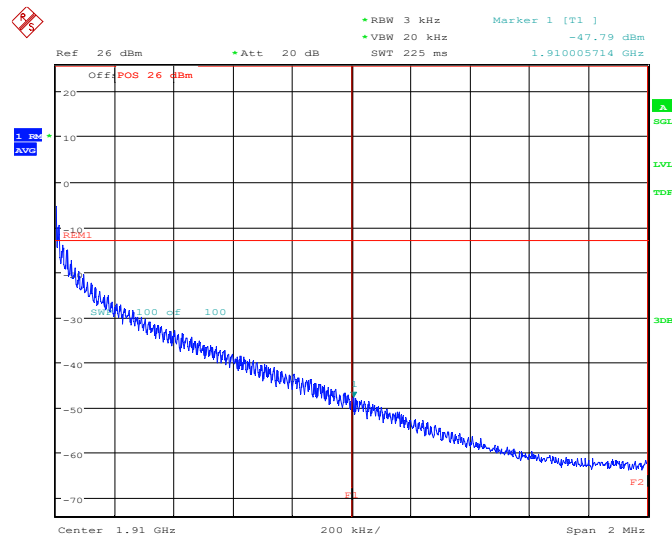
Date: 12.JAN.2024 10:43:42

### OBW: 1RB-HIGH\_offset



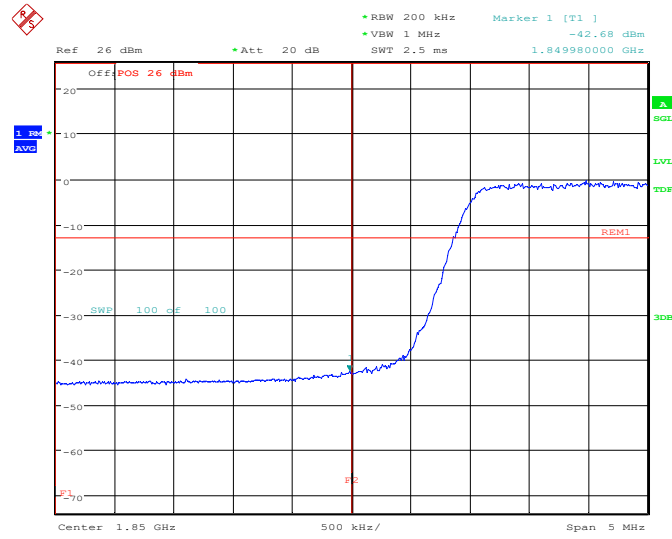
Date: 12.JAN.2024 10:45:58

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



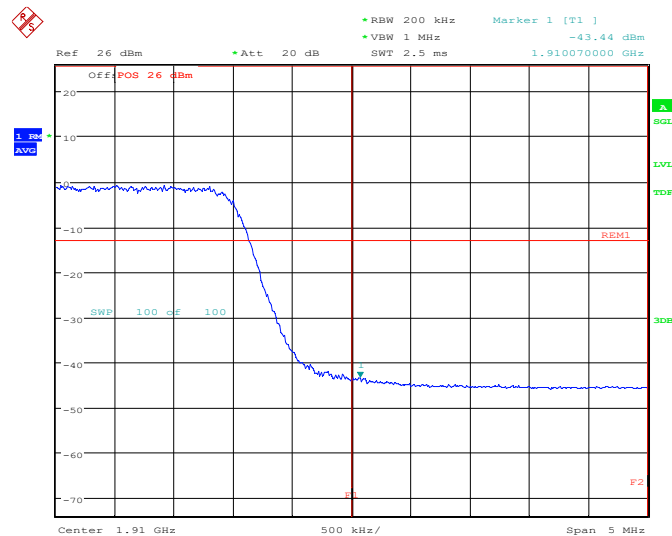
Date: 12.JAN.2024 10:47:01

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



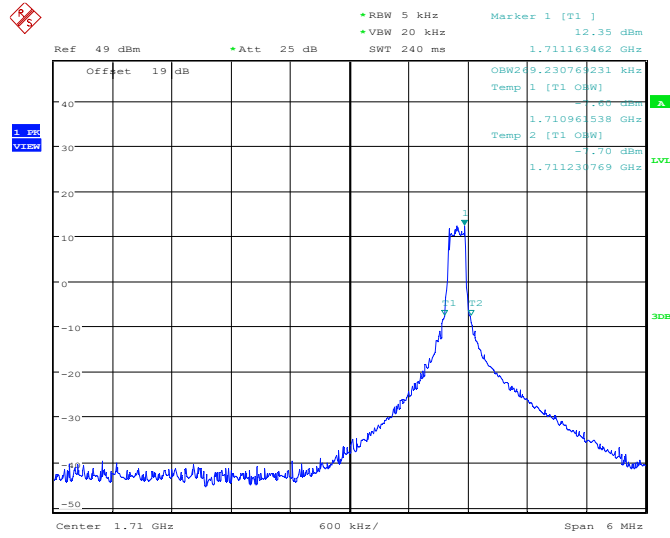
Date: 12.JAN.2024 10:11:40

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



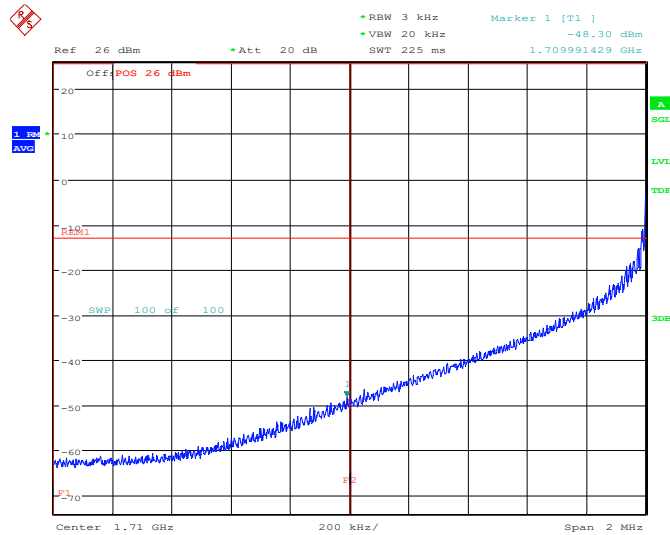
Date: 12.JAN.2024 10:13:37

**LTE band 4@CA 2A-4A**  
**OBW: 1RB-LOW\_offset**



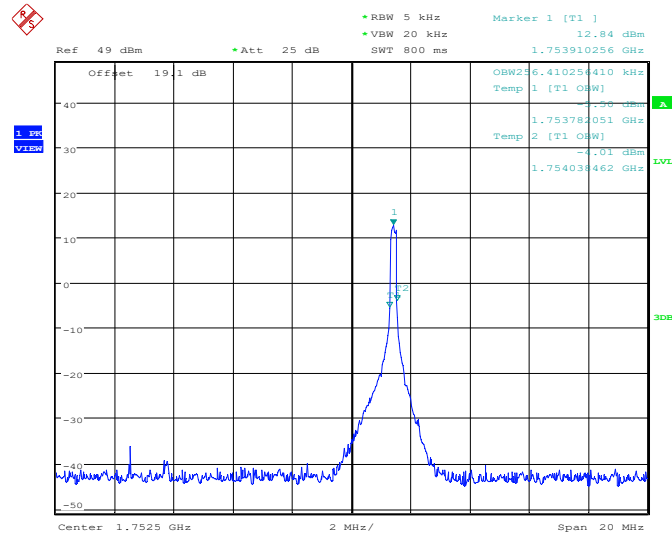
Date: 12.JAN.2024 10:44:03

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



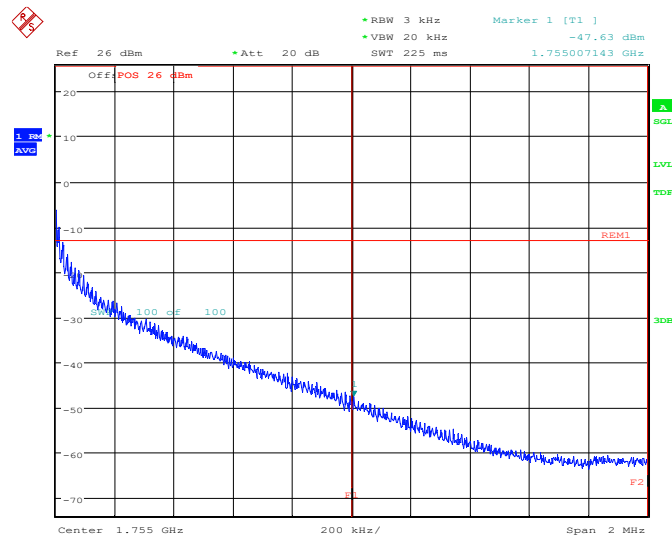
Date: 12.JAN.2024 10:45:08

### OBW: 1RB-HIGH\_offset



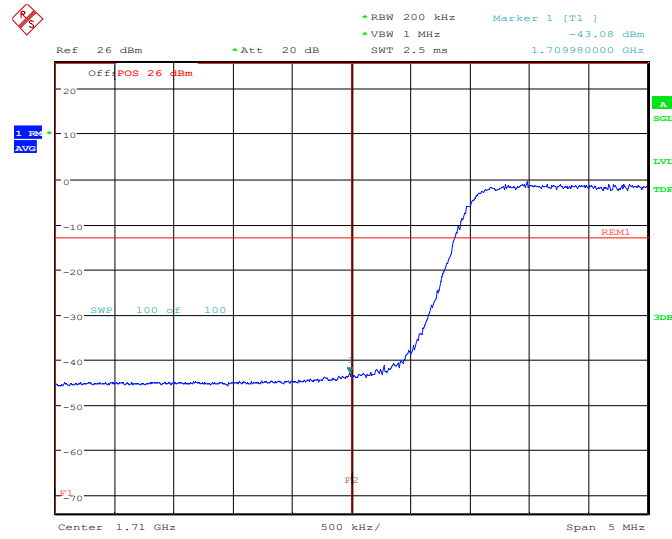
Date: 12.JAN.2024 10:47:22

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



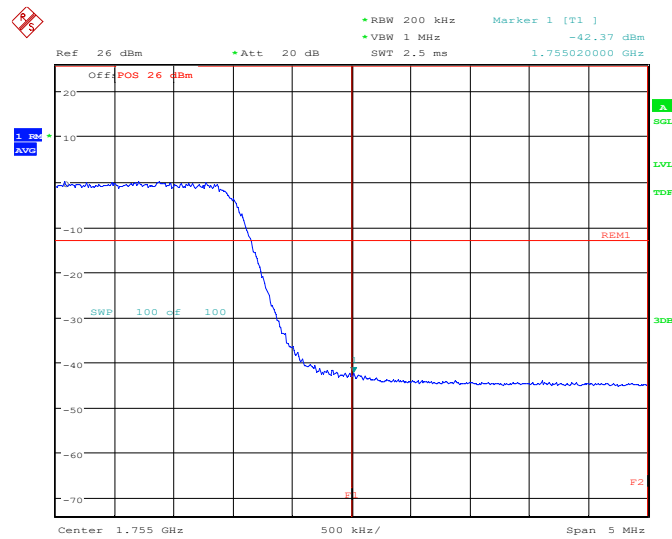
Date: 12.JAN.2024 10:48:24

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



Date: 12.JAN.2024 10:12:24

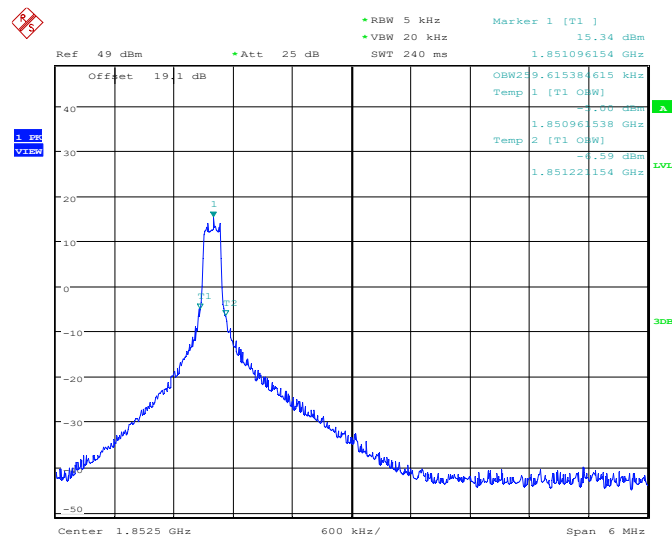
### HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 12.JAN.2024 10:14:18

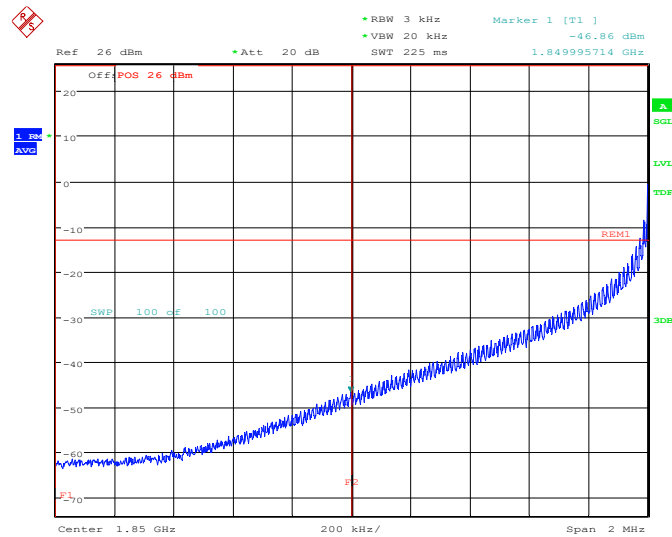


**LTE band 2@CA 2A-5A**  
**OBW: 1RB-LOW\_offset**



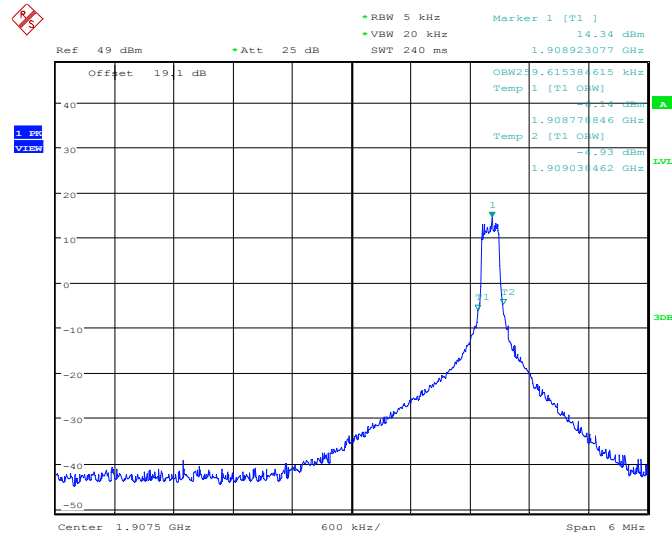
Date: 12.JAN.2024 10:49:46

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



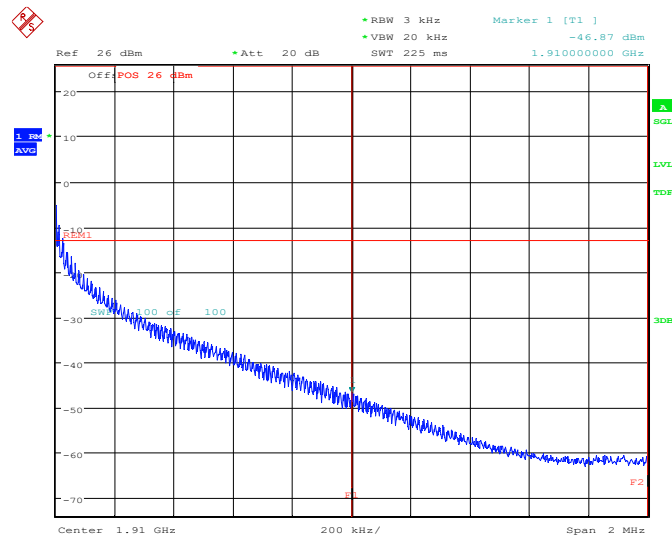
Date: 12.JAN.2024 10:50:49

### OBW: 1RB-HIGH\_offset



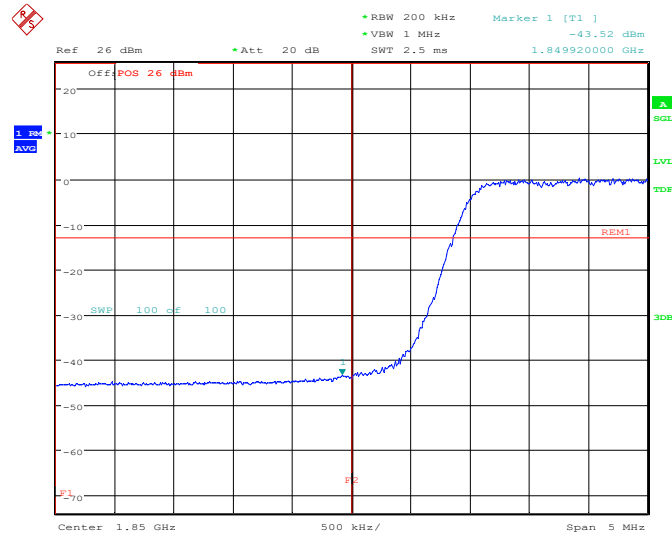
Date: 12.JAN.2024 10:53:38

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



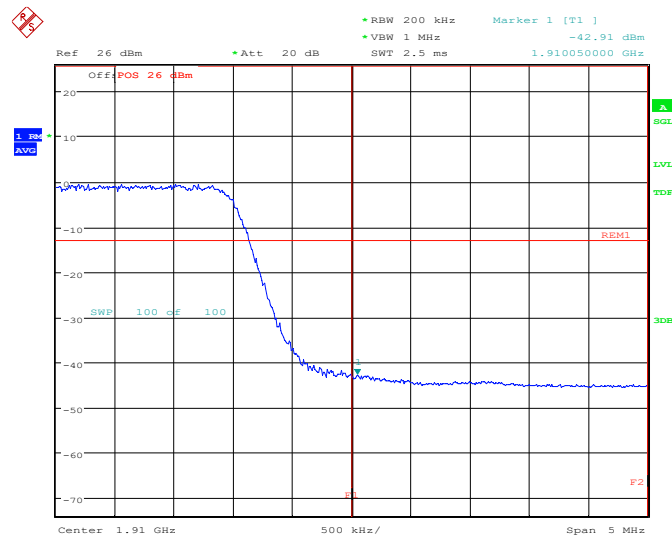
Date: 12.JAN.2024 10:54:41

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



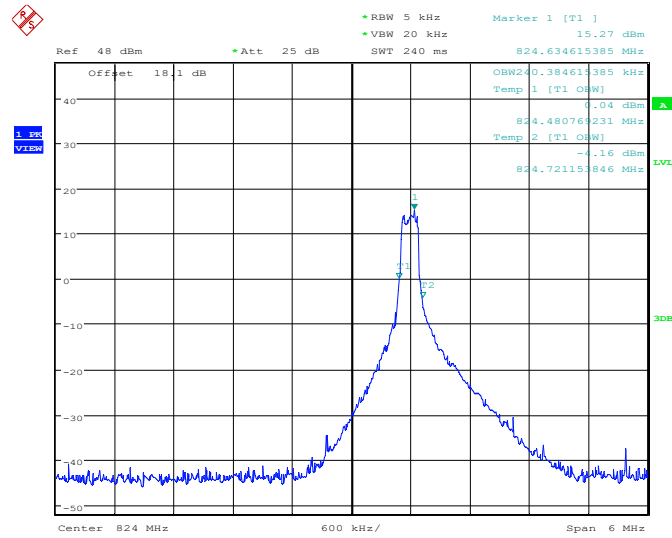
Date: 12.JAN.2024 10:15:35

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



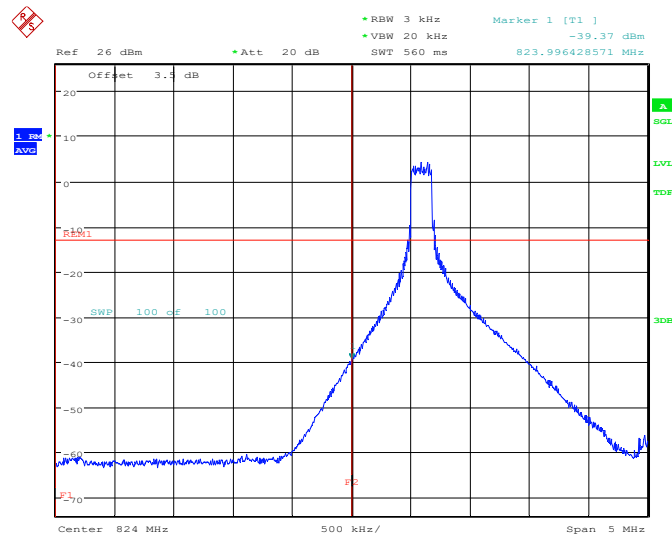
Date: 12.JAN.2024 10:17:30

**LTE band 5@CA 2A-5A**  
**OBW: 1RB-LOW\_offset**



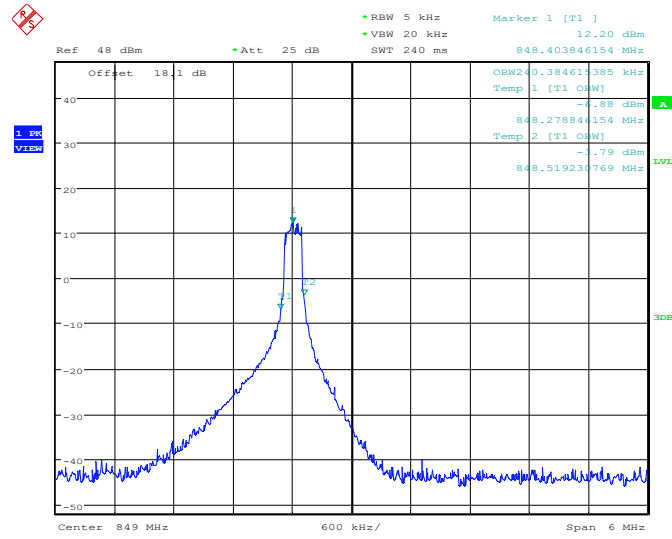
Date: 12.JAN.2024 10:51:10

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



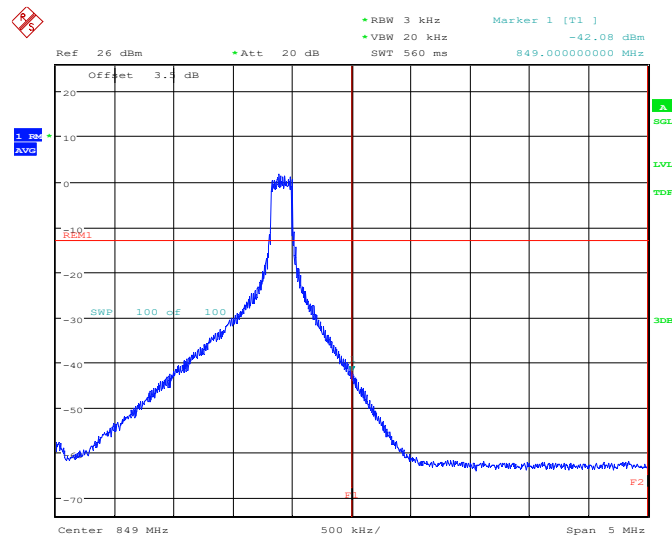
Date: 12.JAN.2024 10:52:47

### OBW: 1RB-HIGH\_offset



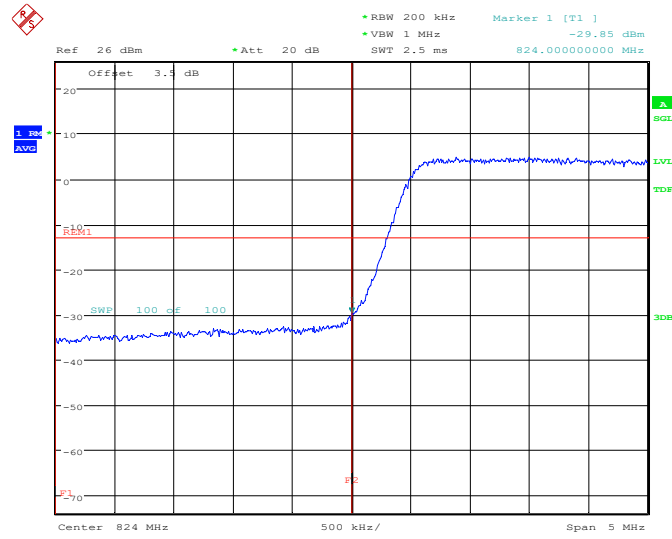
Date: 12.JAN.2024 10:55:02

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



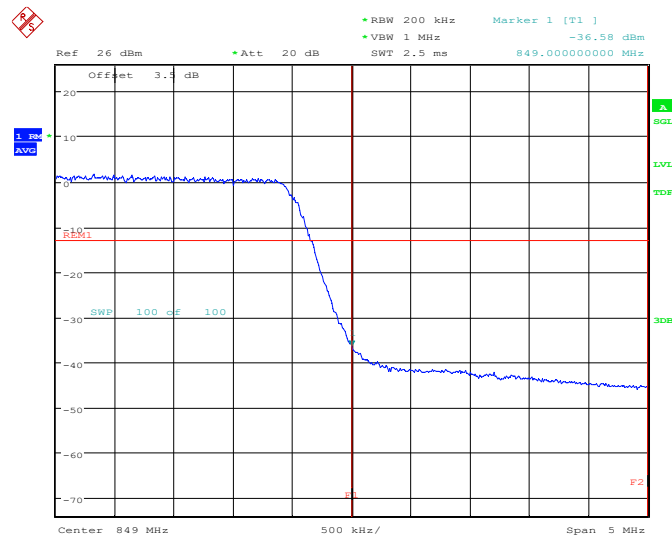
Date: 12.JAN.2024 10:56:40

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



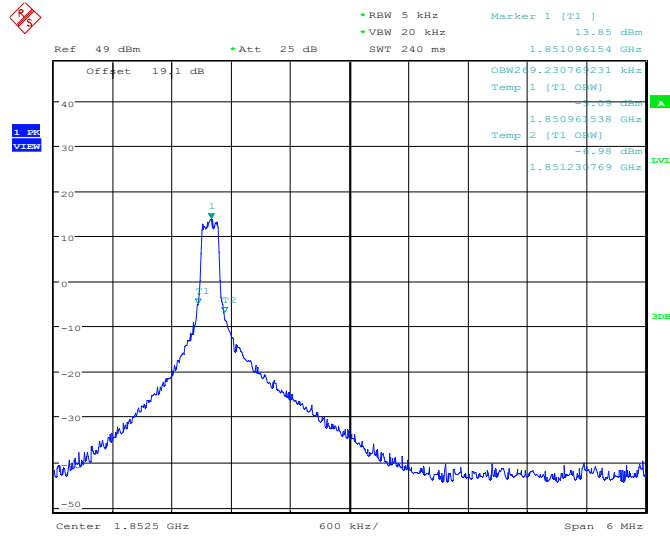
Date: 12.JAN.2024 10:16:17

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



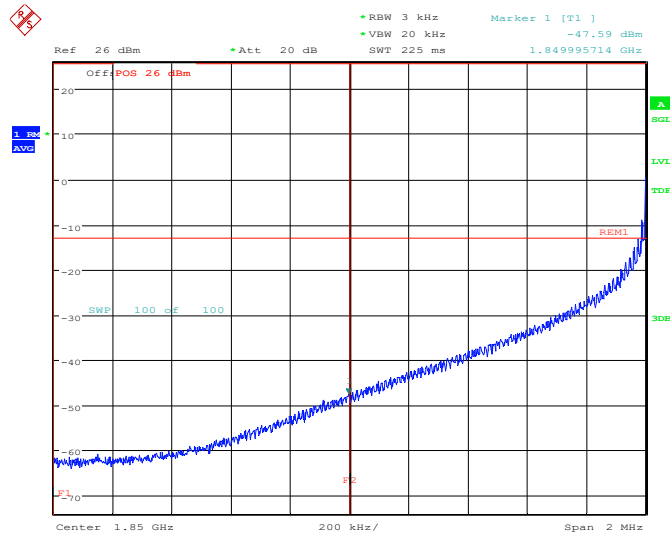
Date: 12.JAN.2024 10:18:12

**LTE band 2@CA 2A-13A**  
**OBW: 1RB-LOW\_offset**



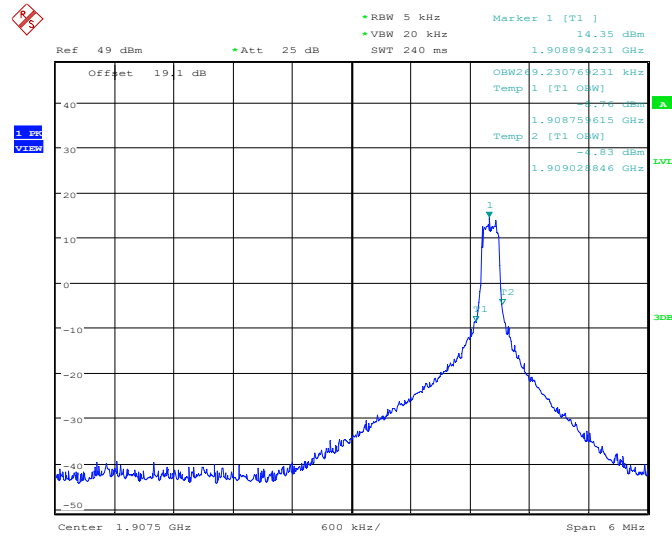
Date: 12.JAN.2024 10:57:32

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



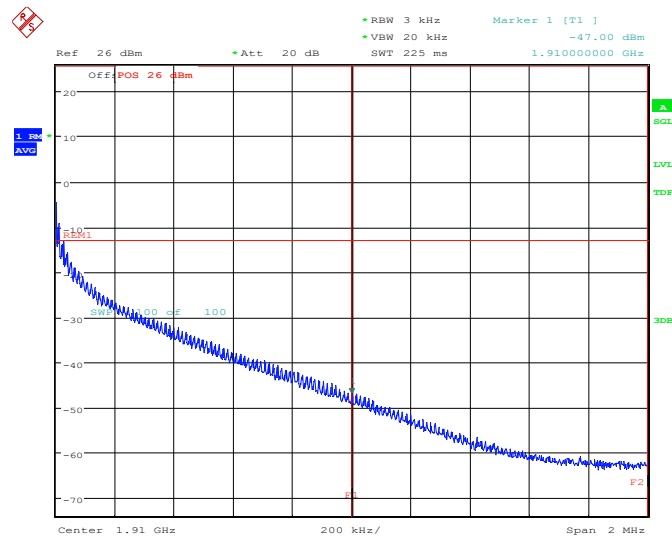
Date: 12.JAN.2024 10:58:35

### OBW: 1RB-HIGH\_offset



Date: 12.JAN.2024 11:00:45

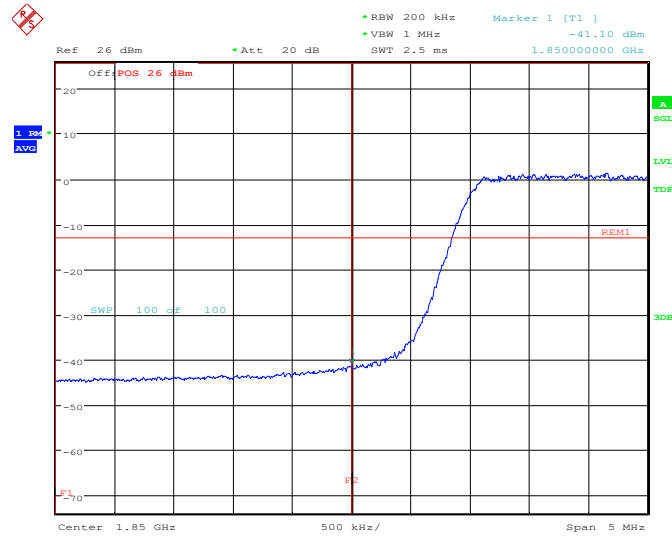
### HIGH BAND EDGE BLOCK-1RB-HIGH\_offset



Date: 12.JAN.2024 11:01:48

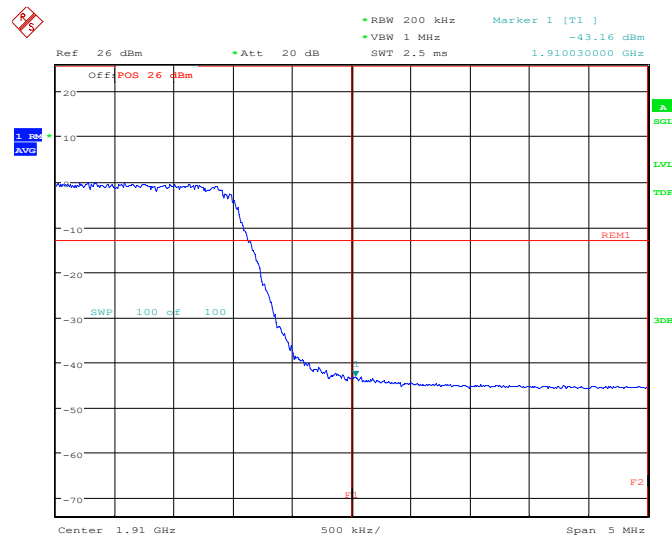


### LOW BAND EDGE BLOCK-20MHz+10MHz-100%RB



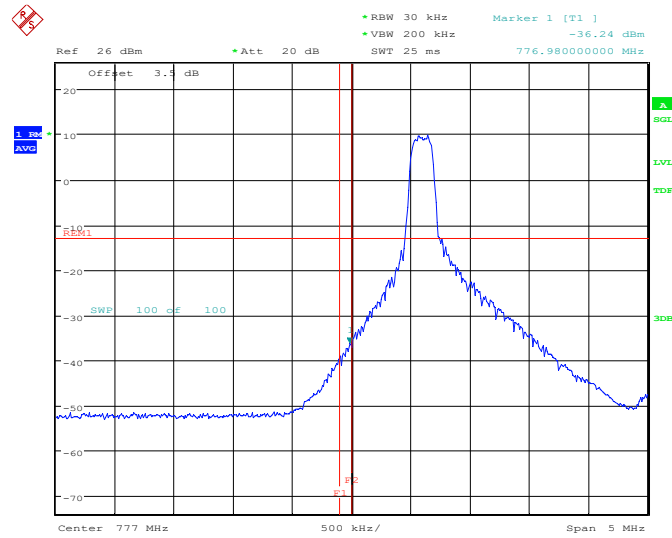
Date: 12.JAN.2024 10:19:25

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



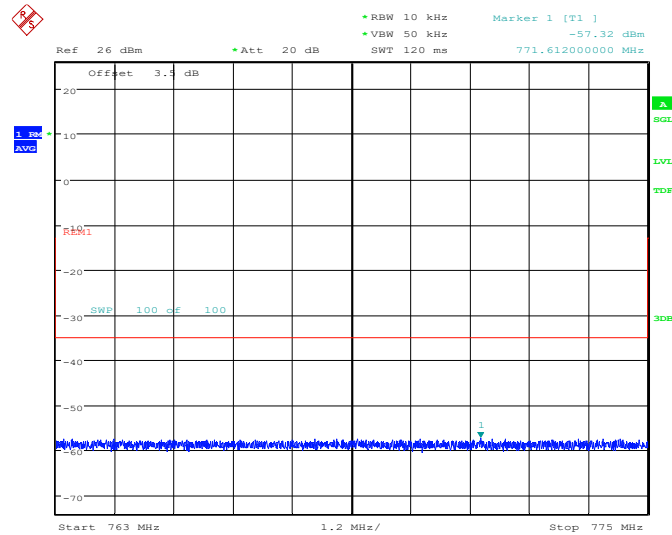
Date: 12.JAN.2024 10:21:58

LTE band 13@CA 2A-13A  
LOW BAND EDGE BLOCK-1RB-LOW\_offset



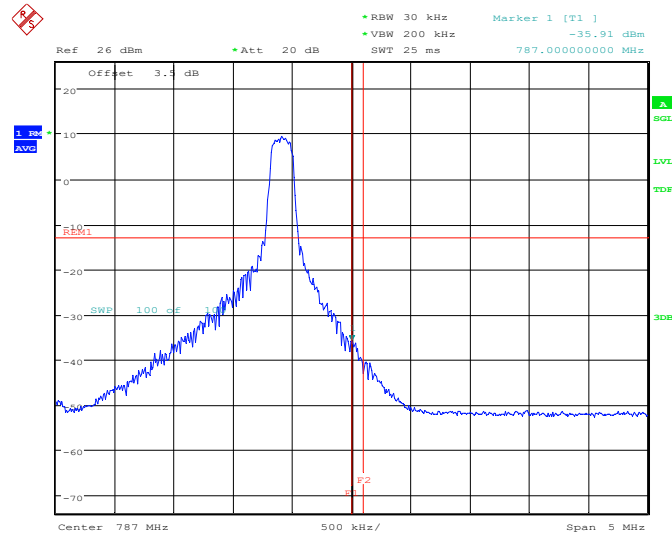
Date: 12.JAN.2024 10:59:18

LOW BAND EDGE BLOCK-1RB-LOW\_offset



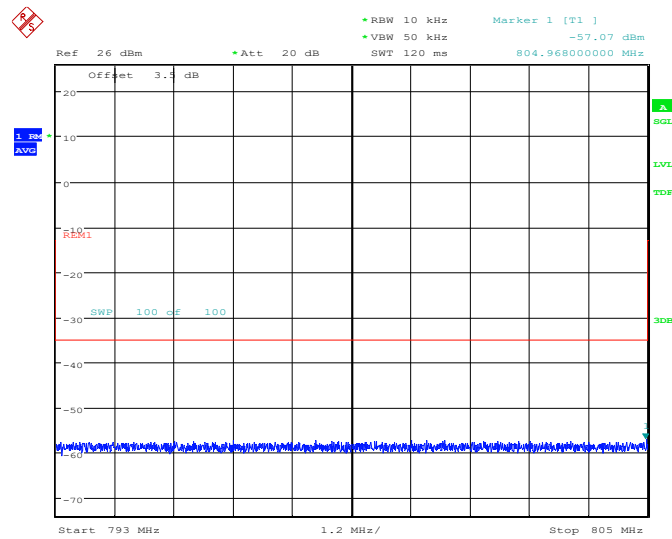
Date: 12.JAN.2024 11:00:16

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



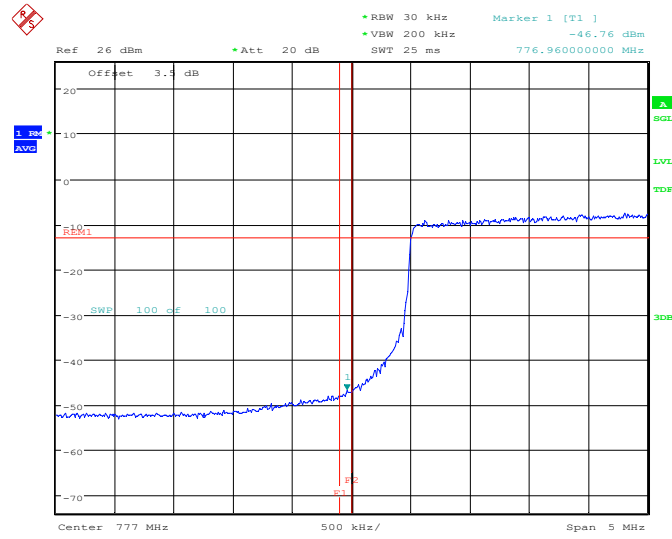
Date: 12, JAN, 2024 11:02:32

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



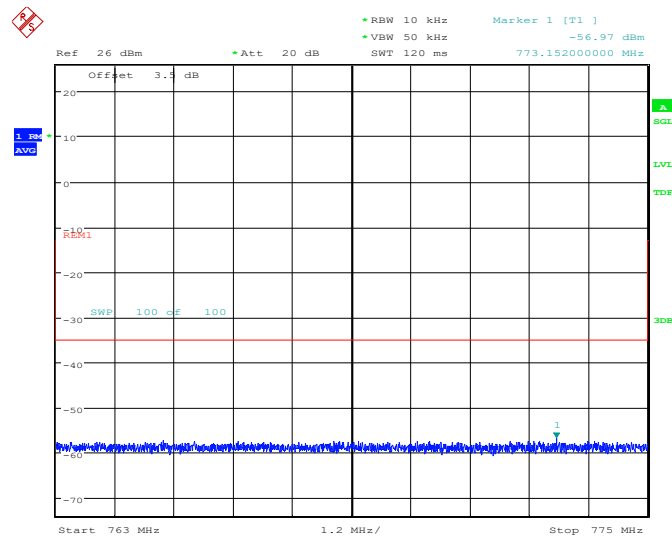
Date: 12, JAN, 2024 11:03:31

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



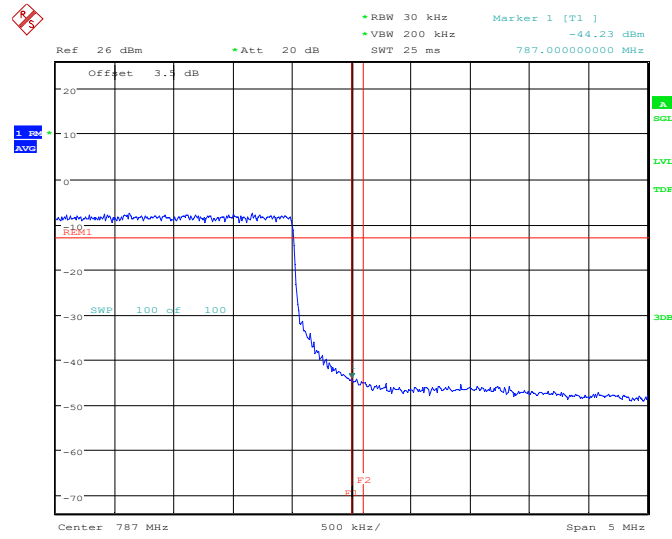
Date: 12, JAN, 2024 10:20:08

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



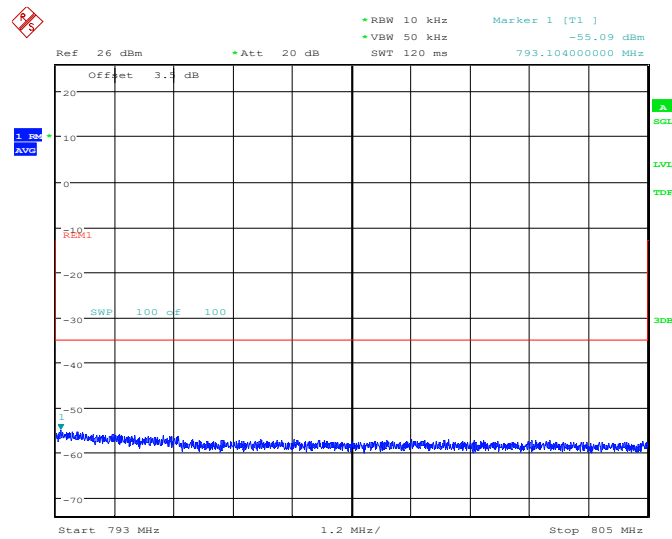
Date: 12, JAN, 2024 10:21:06

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



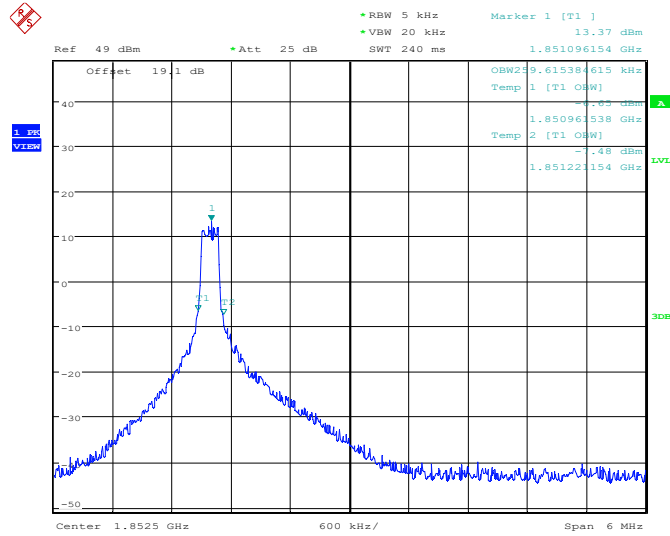
Date: 12.JAN.2024 10:22:42

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



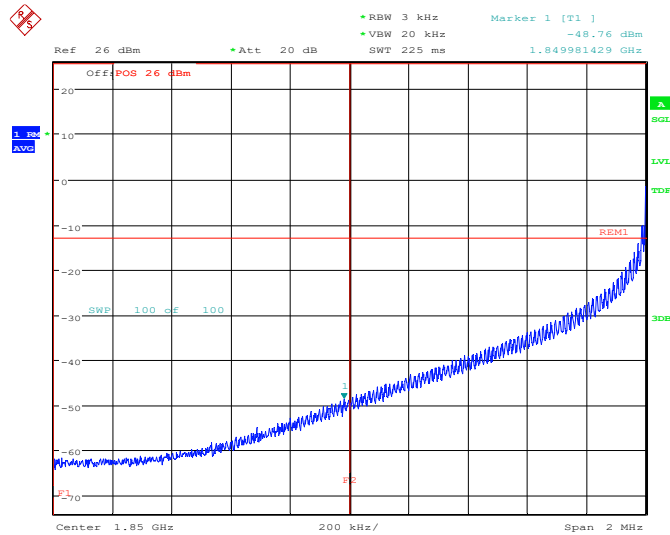
Date: 12.JAN.2024 10:23:41

**LTE band 2@CA 2A-66A**  
**OBW: 1RB-LOW\_offset**



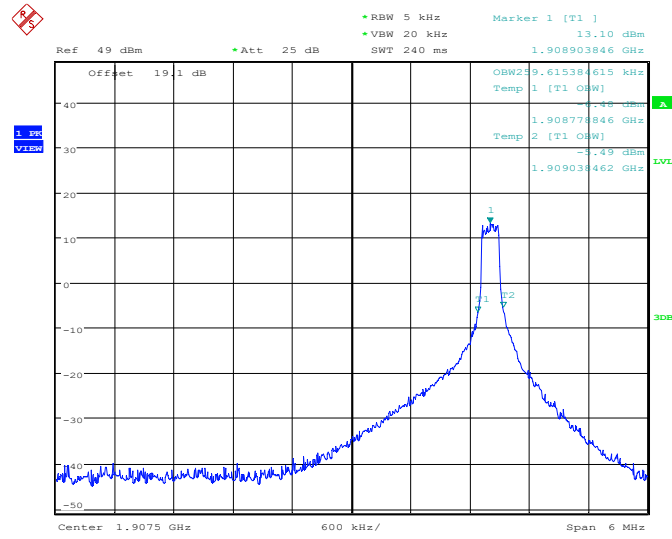
Date: 12.JAN.2024 11:04:27

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



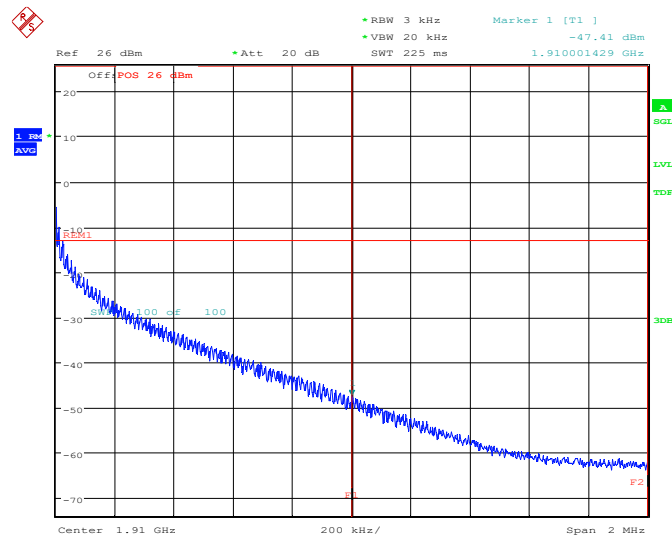
Date: 12.JAN.2024 11:05:30

### OBW: 1RB-HIGH\_offset



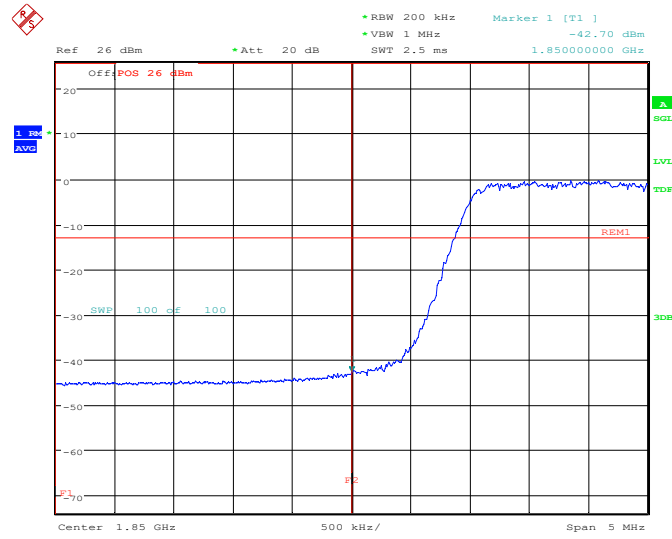
Date: 12.JAN.2024 11:08:19

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



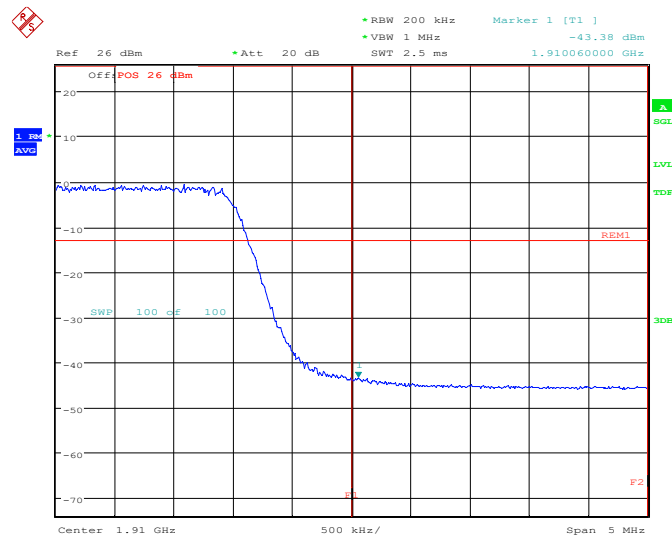
Date: 12.JAN.2024 11:09:22

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



Date: 12.JAN.2024 10:24:57

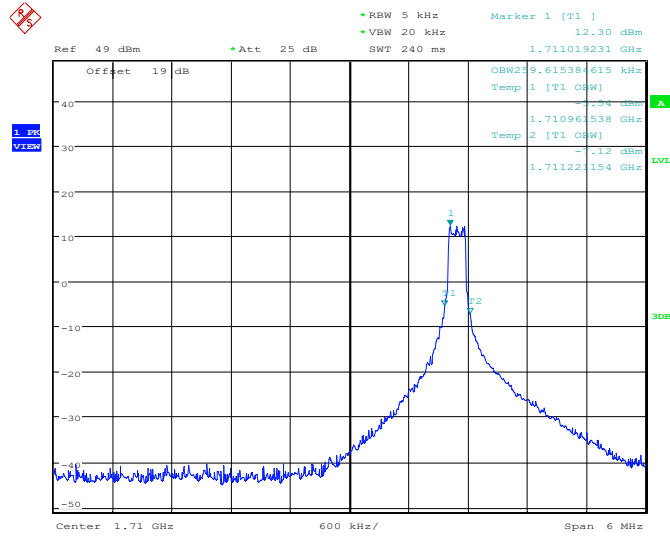
### HIGH BAND EDGE BLOCK-20MHz+20MHz-100%RB



Date: 12.JAN.2024 10:26:54

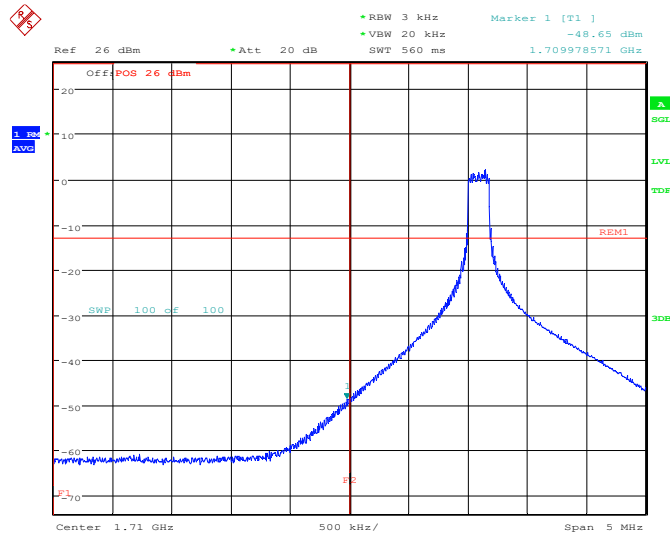


**LTE band 66@CA 2A-66A**  
**OBW: 1RB-LOW\_offset**



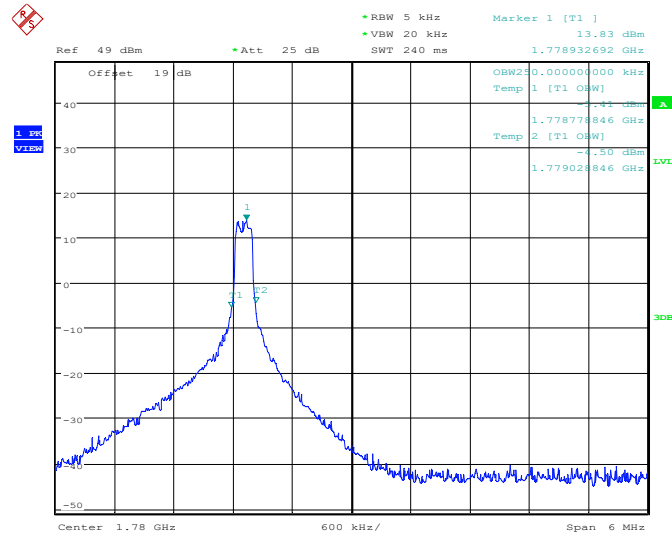
Date: 12.JAN.2024 11:05:51

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



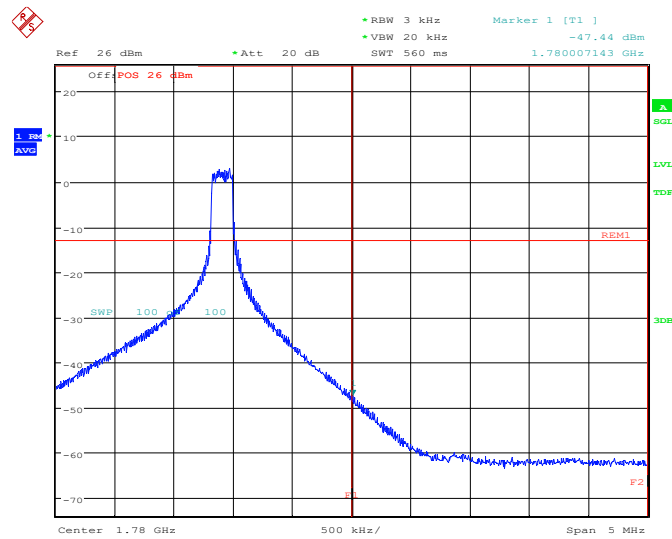
Date: 12.JAN.2024 11:07:29

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



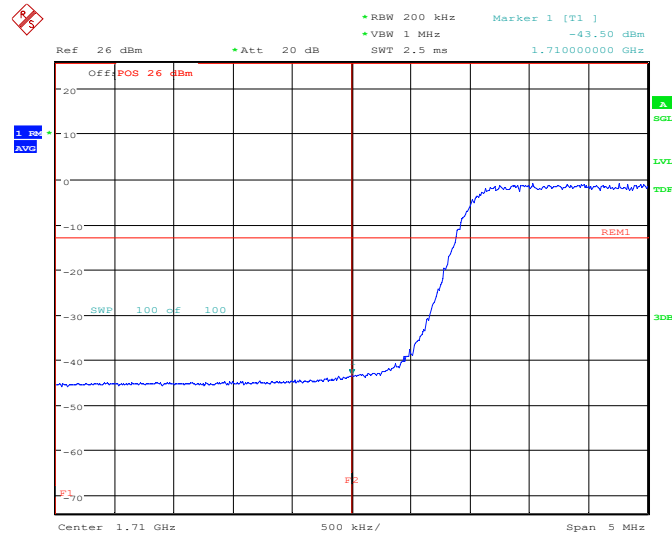
Date: 12.JAN.2024 11:09:43

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



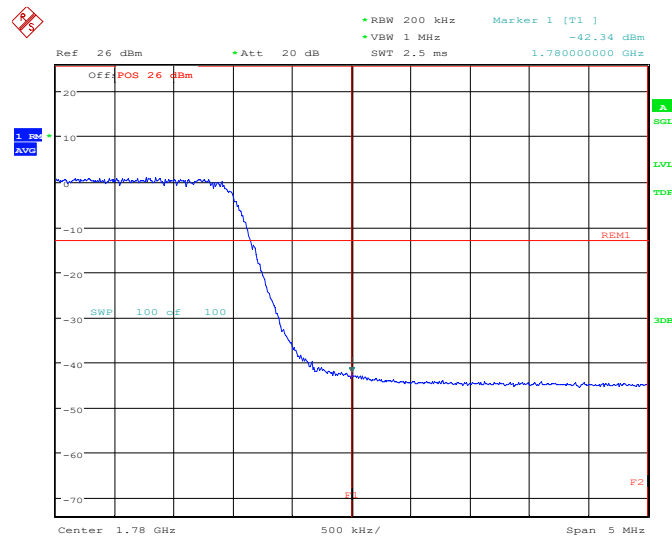
Date: 12.JAN.2024 11:11:21

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



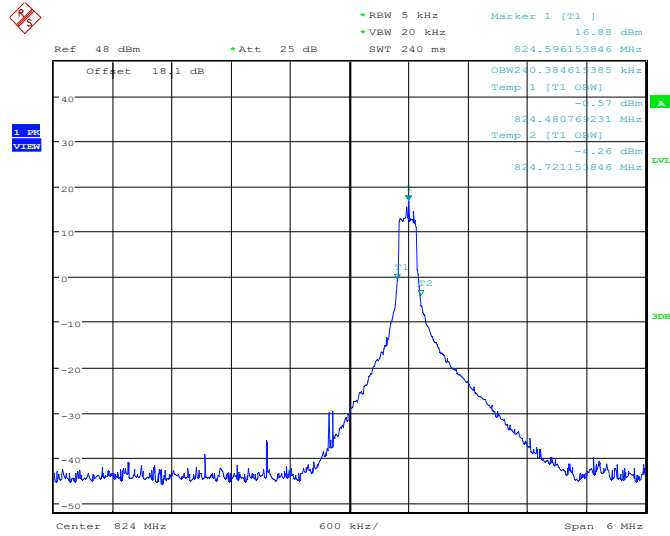
Date: 12.JAN.2024 10:25:41

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



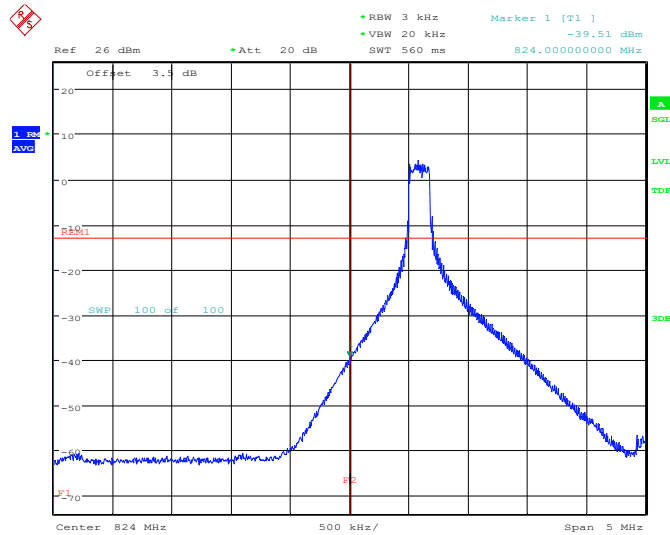
Date: 12.JAN.2024 10:27:37

**LTE band 5@CA 5A-66A**  
**OBW: 1RB-LOW\_offset**



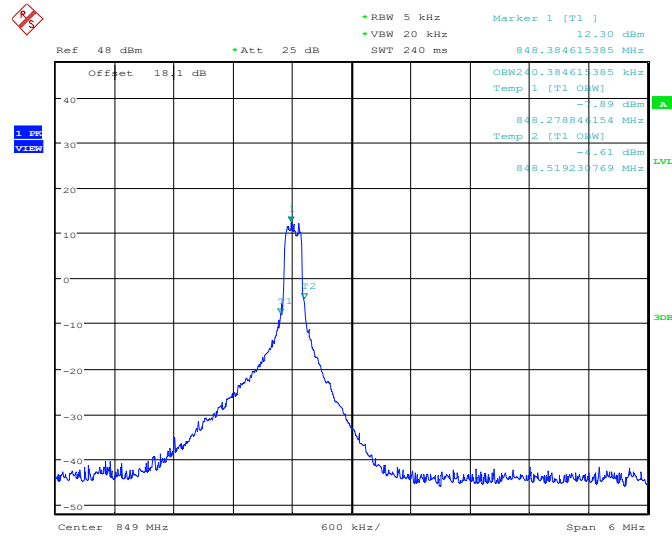
Date: 12.JAN.2024 11:12:43

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



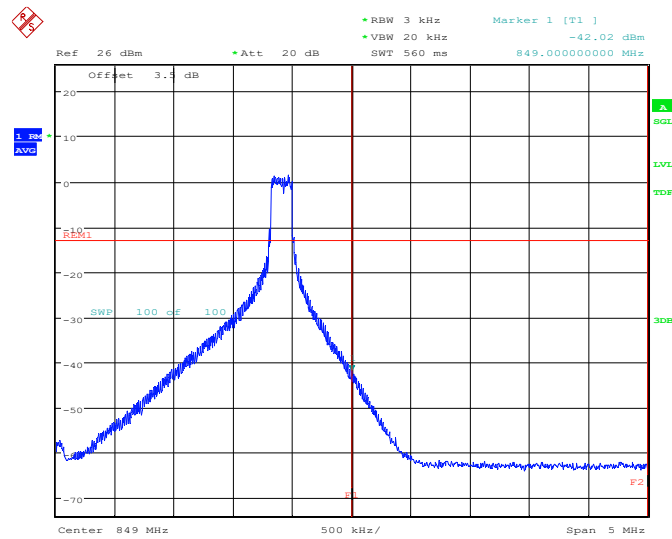
Date: 12.JAN.2024 11:14:19

### OBW: 1RB-HIGH\_offset



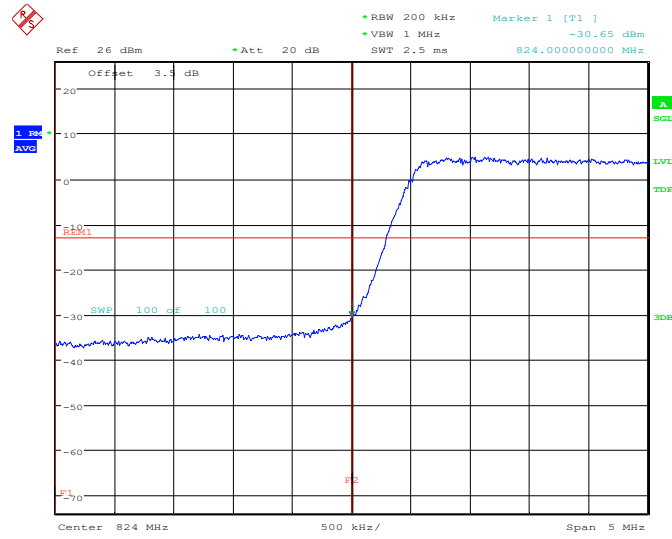
Date: 12.JAN.2024 11:17:09

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



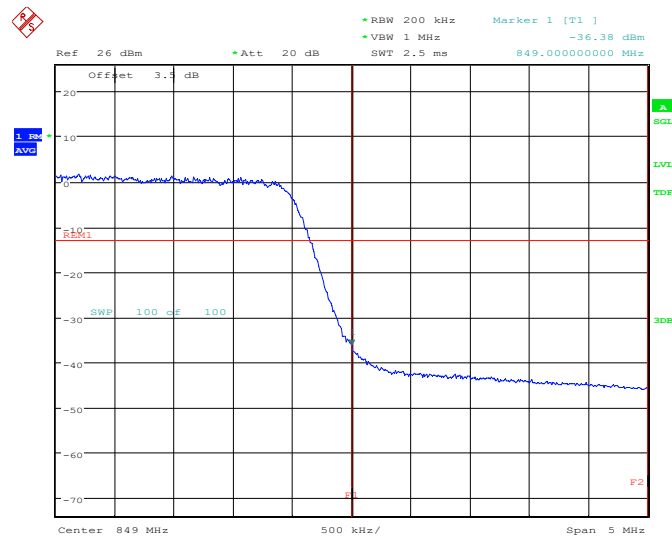
Date: 12.JAN.2024 11:18:47

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



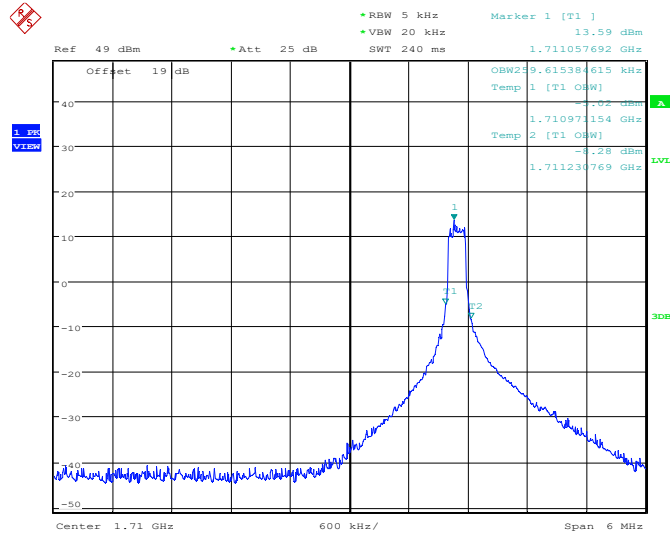
Date: 12.JAN.2024 10:28:54

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



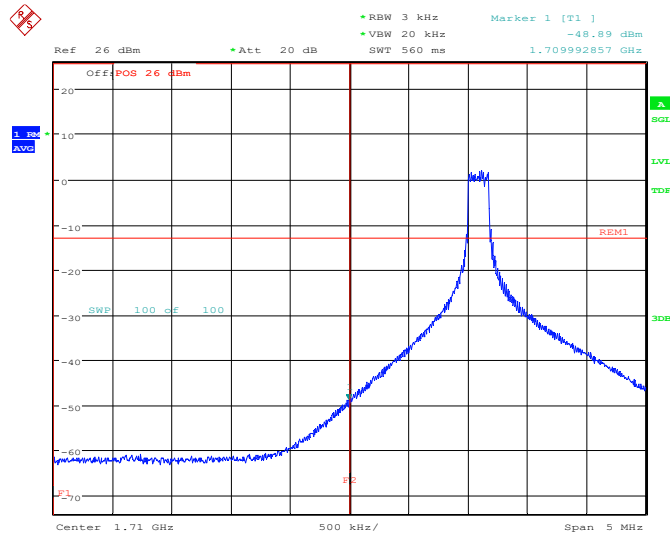
Date: 12.JAN.2024 10:30:50

**LTE band 66@CA 5A-66A**  
**OBW: 1RB-LOW\_offset**



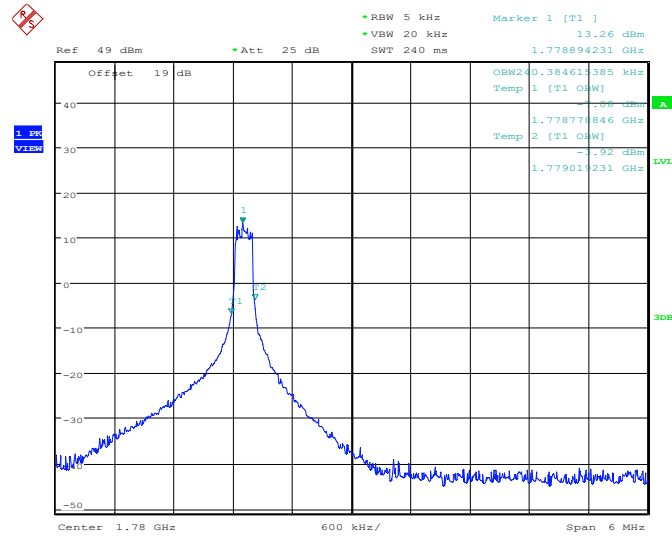
Date: 12.JAN.2024 11:14:40

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



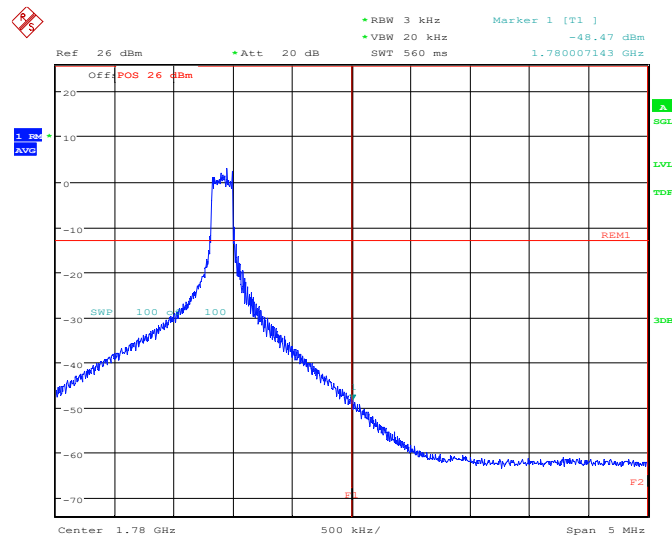
Date: 12.JAN.2024 11:16:18

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



Date: 12.JAN.2024 11:19:08

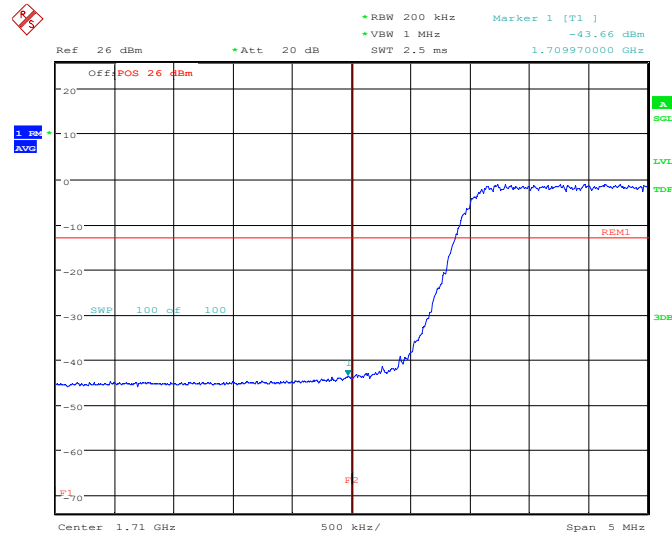
**HIGH BAND EDGE BLOCK-1RB-HIGH\_offset**



Date: 12.JAN.2024 11:20:46

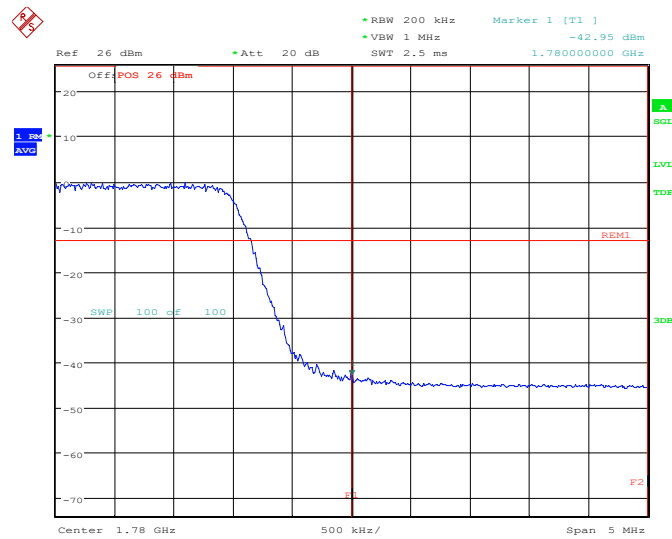


### LOW BAND EDGE BLOCK-10MHz+20MHz-100%RB



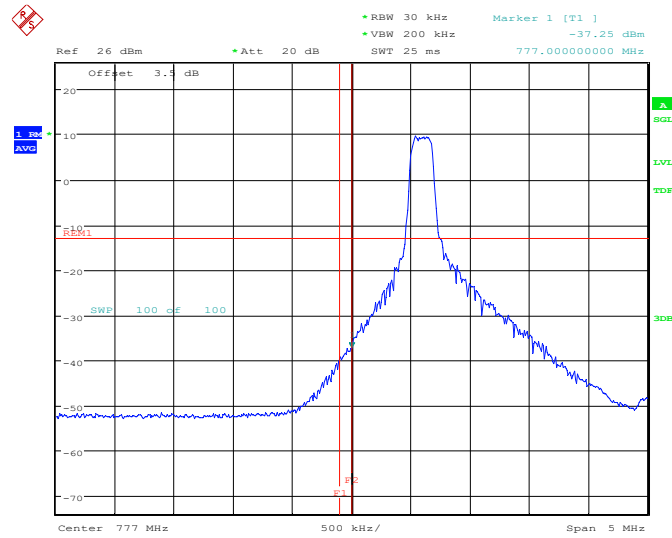
Date: 12.JAN.2024 10:29:38

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



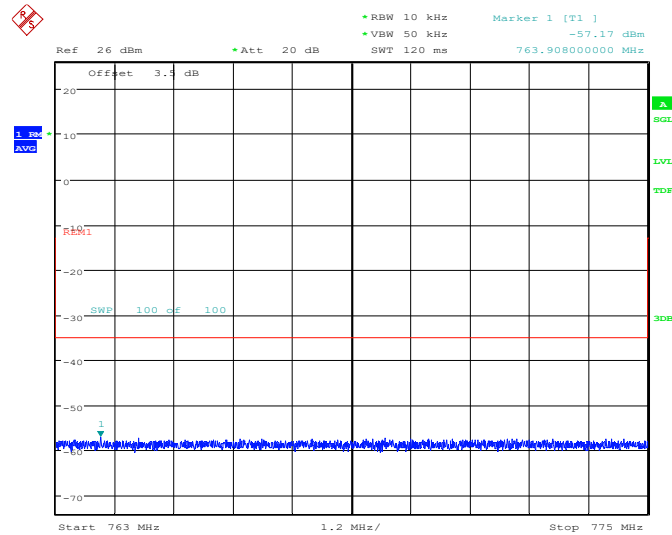
Date: 12.JAN.2024 10:31:32

LTE band 13@CA 13A-66A  
 LOW BAND EDGE BLOCK-1RB-LOW\_offset



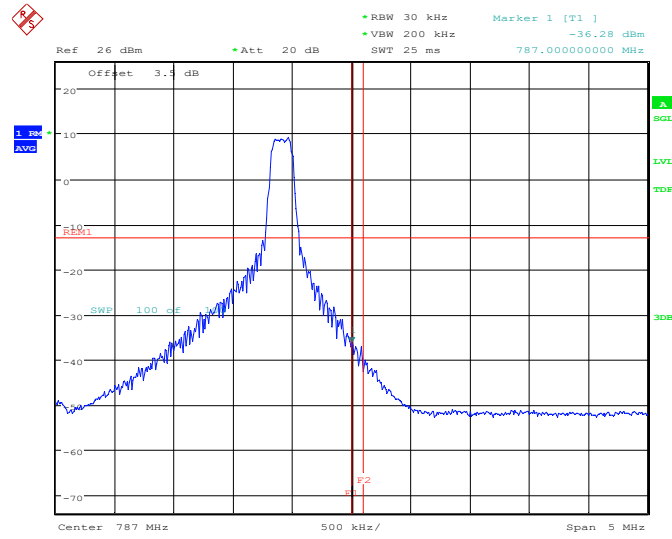
Date: 12.JAN.2024 11:21:57

LOW BAND EDGE BLOCK-1RB-LOW\_offset



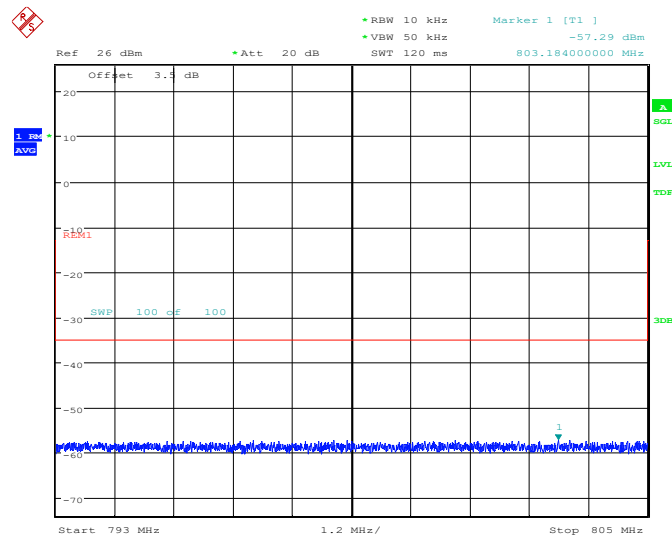
Date: 12.JAN.2024 11:22:54

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



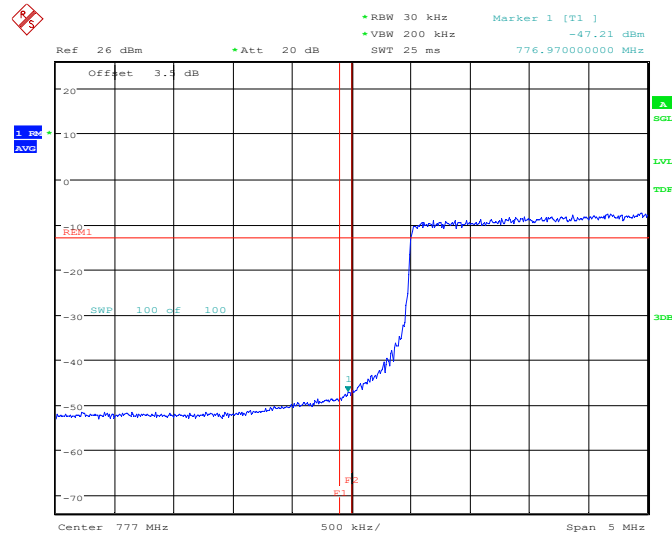
Date: 12.JAN.2024 11:26:04

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



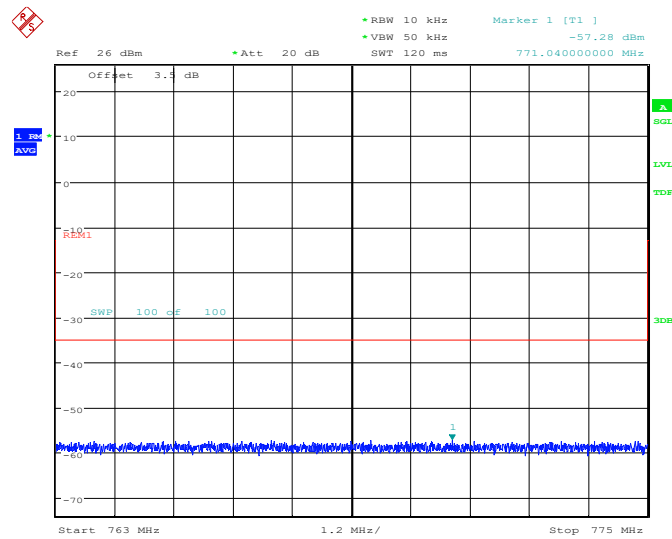
Date: 12.JAN.2024 11:27:03

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



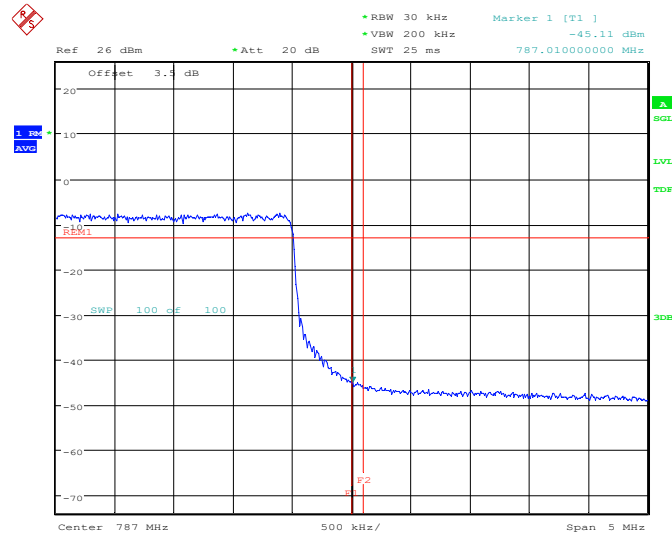
Date: 12, JAN, 2024 10:32:43

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



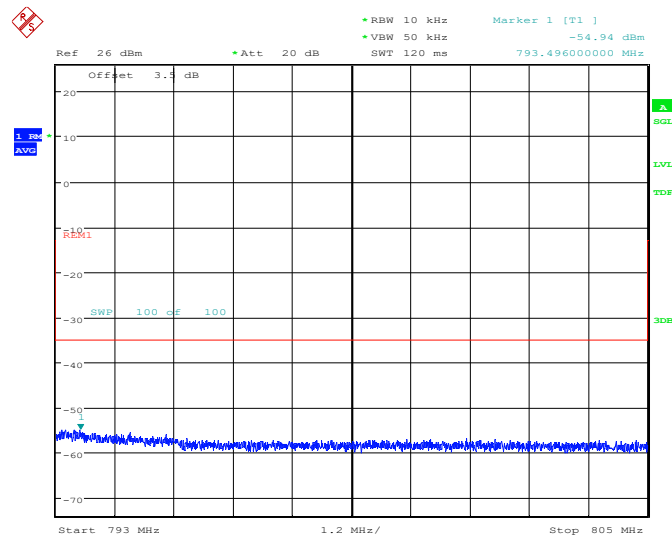
Date: 12, JAN, 2024 10:33:41

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



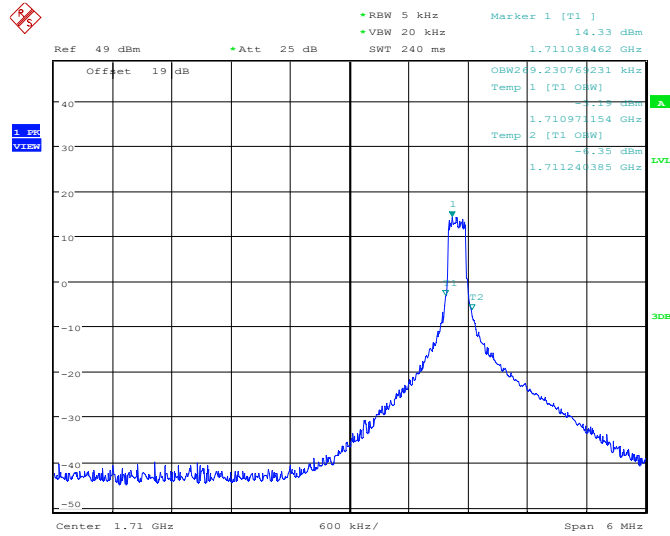
Date: 12.JAN.2024 10:35:35

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



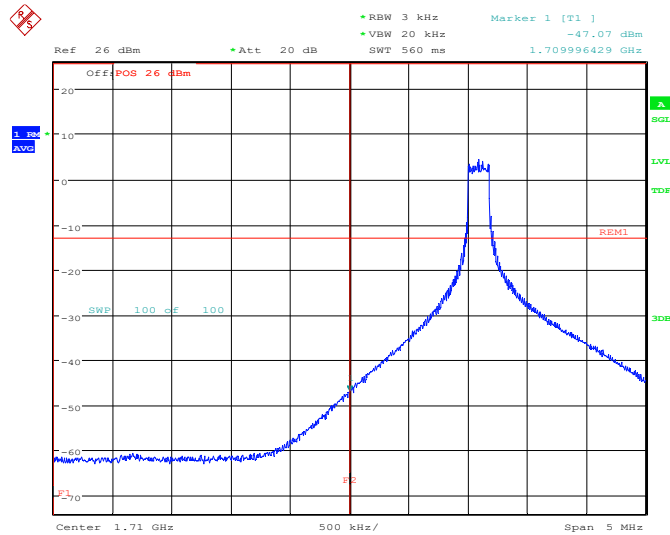
Date: 12.JAN.2024 10:36:34

**LTE band 66@CA 13A-66A**  
**OBW: 1RB-LOW\_offset**



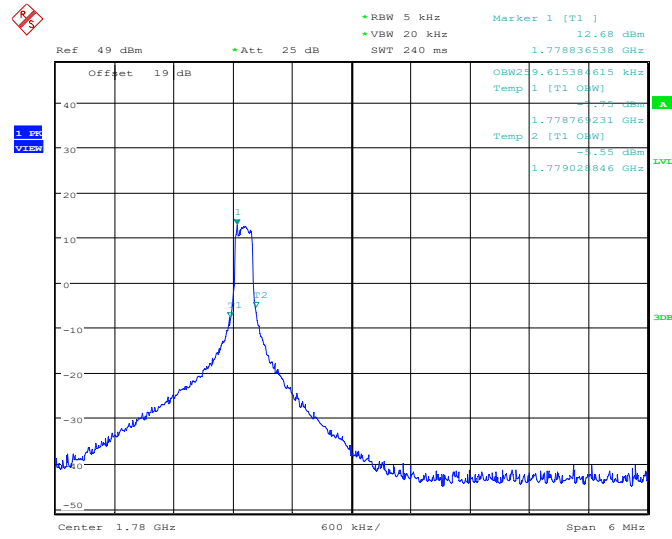
Date: 12.JAN.2024 11:23:15

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



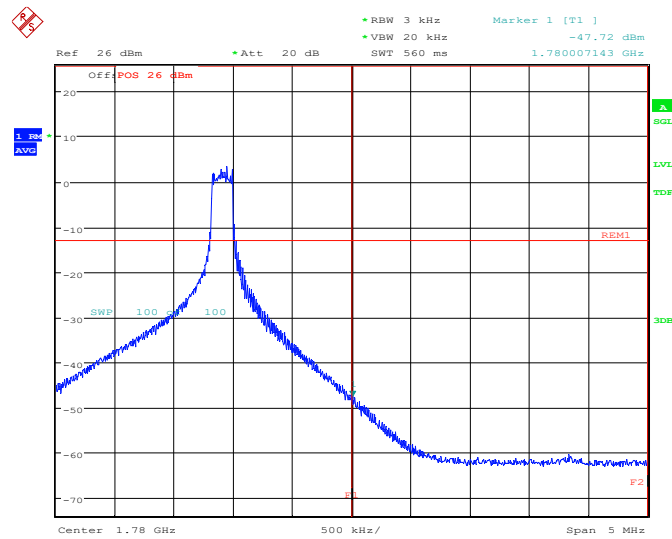
Date: 12.JAN.2024 11:24:54

### OBW: 1RB-HIGH\_offset



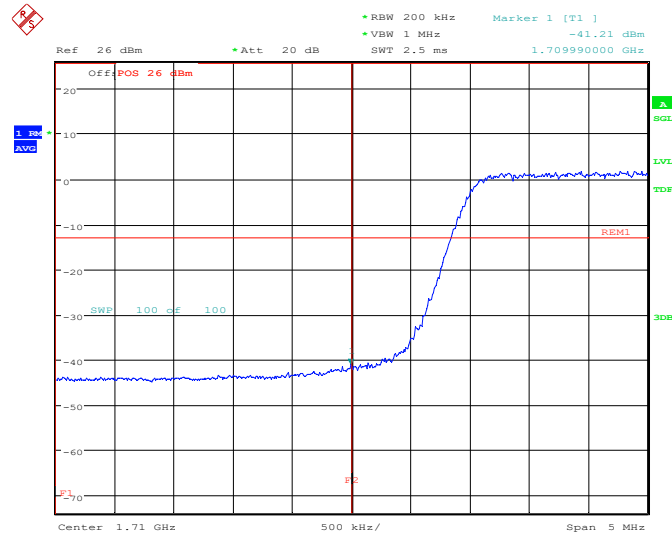
Date: 12.JAN.2024 11:27:24

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



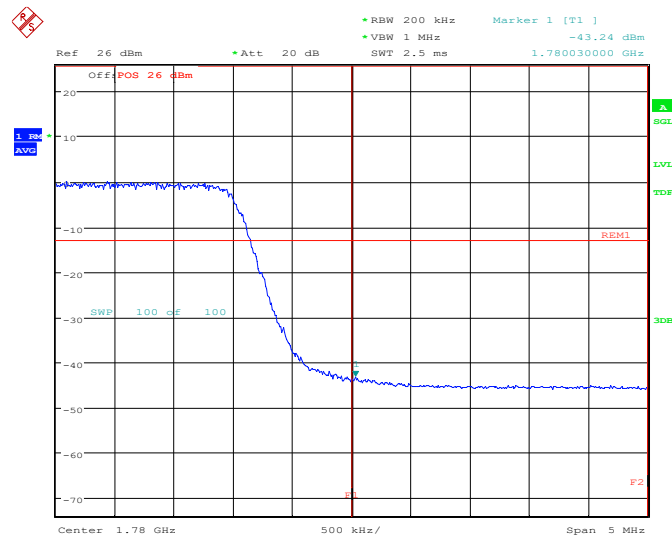
Date: 12.JAN.2024 11:29:02

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



Date: 12.JAN.2024 10:34:26

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

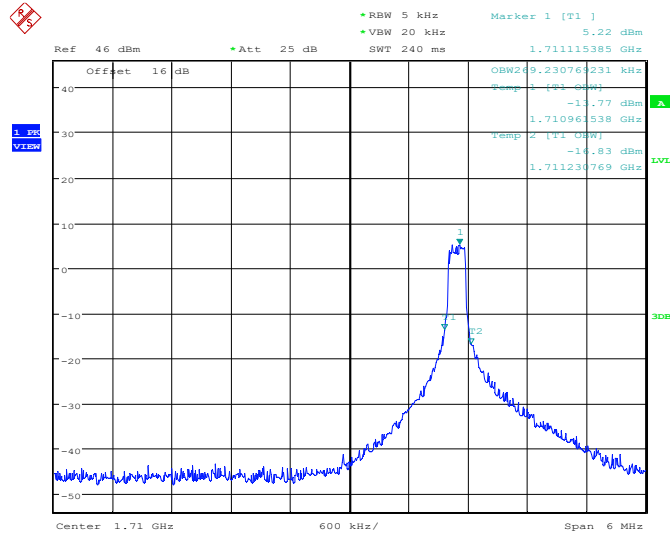


Date: 12.JAN.2024 10:37:17



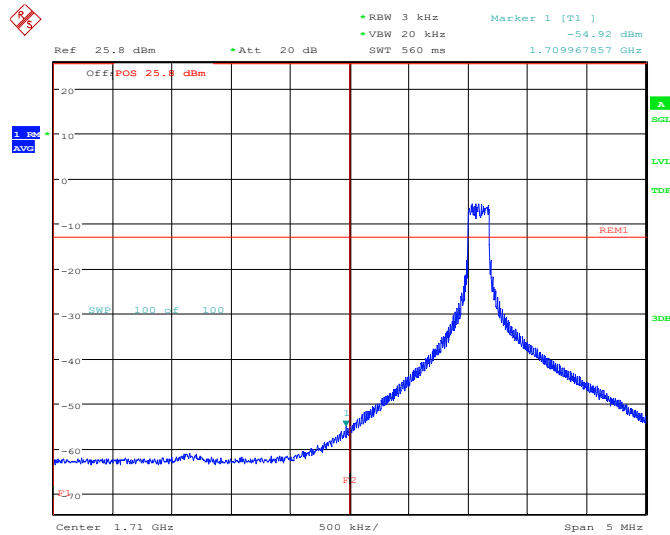
LTE CA band 66C

OBW: 1RB-low\_offset



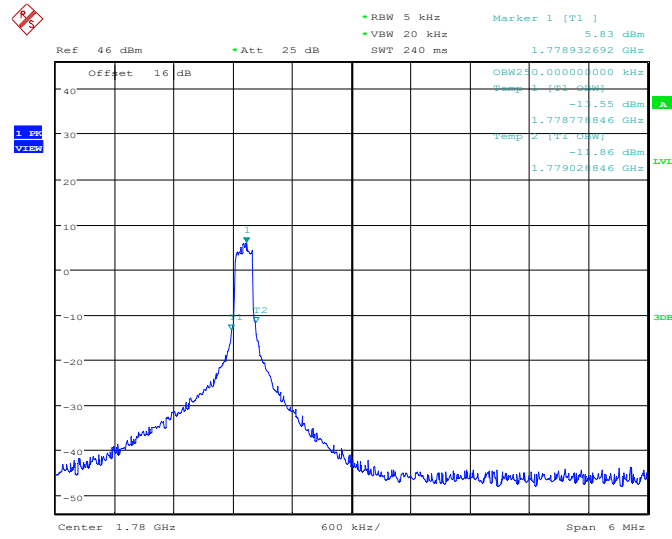
Date: 17.JAN.2024 08:58:20

LOW BAND EDGE BLOCK-1RB-low\_offset



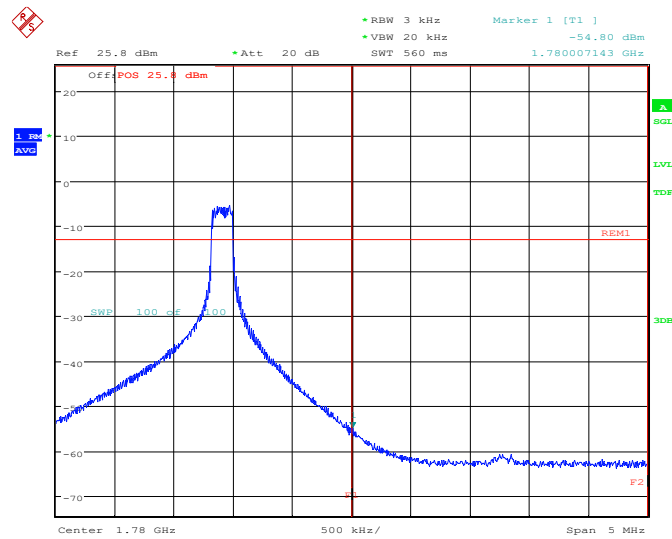
Date: 17.JAN.2024 08:59:58

### OBW: 1RB-high\_offset



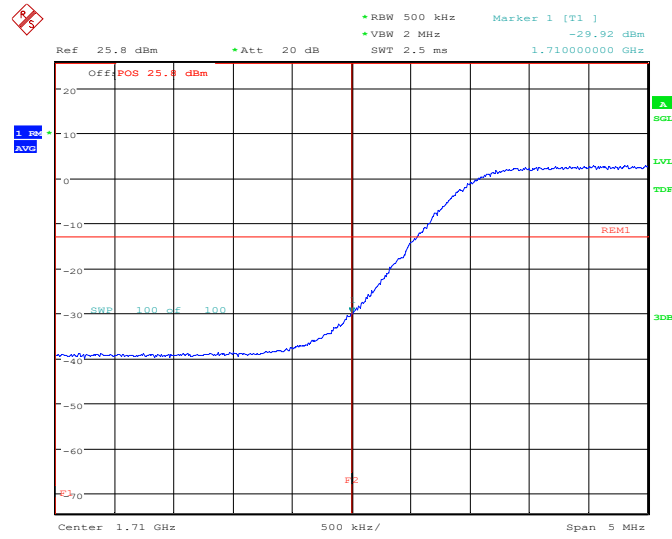
Date: 17.JAN.2024 09:00:49

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



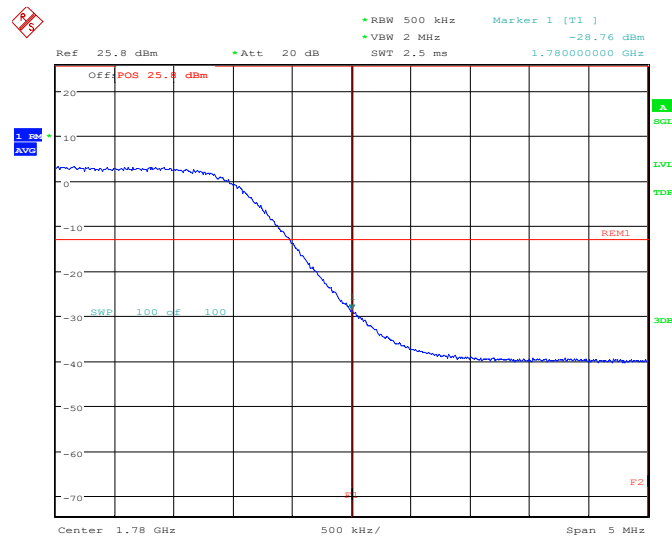
Date: 17.JAN.2024 09:02:28

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



Date: 17.JAN.2024 09:03:40

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



Date: 17.JAN.2024 09:04:51

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

## **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  $2 \times \text{span}/\text{RBW}$ .

### **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(c) states for operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the 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, in accordance with the following:(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.

Part 27.53(f) states for operations in the 746–758 MHz, 775–788 MHz, and 805–806 MHz bands, emissions in the band 1559–1610 MHz shall be limited to -70dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals.

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.

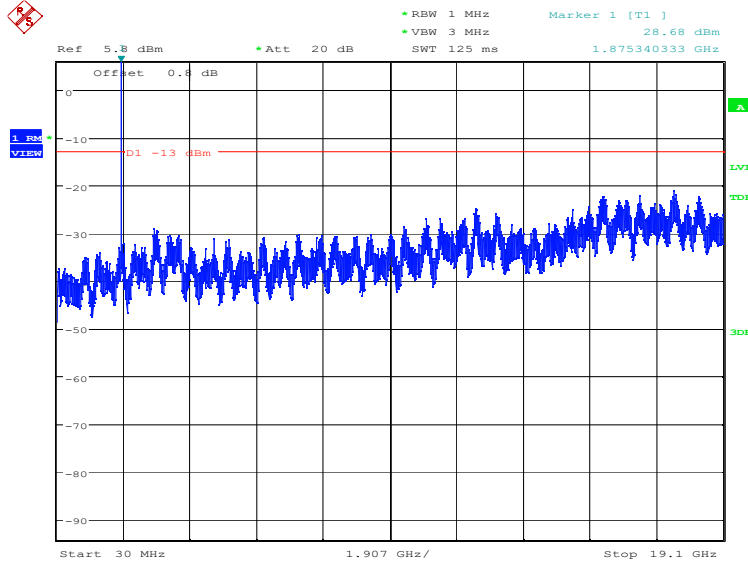
Part 96.41(e) states for channel and frequency assignments made by a CBSD to End User Devices, the conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed  $-13$  dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed  $-25$  dBm/MHz. The conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed  $-25$  dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed  $-40$  dBm/MHz.

### A. 7.3 Measurement result

Only the worst case result is given below

#### LTE band 2: 30MHz – 19.1GHz

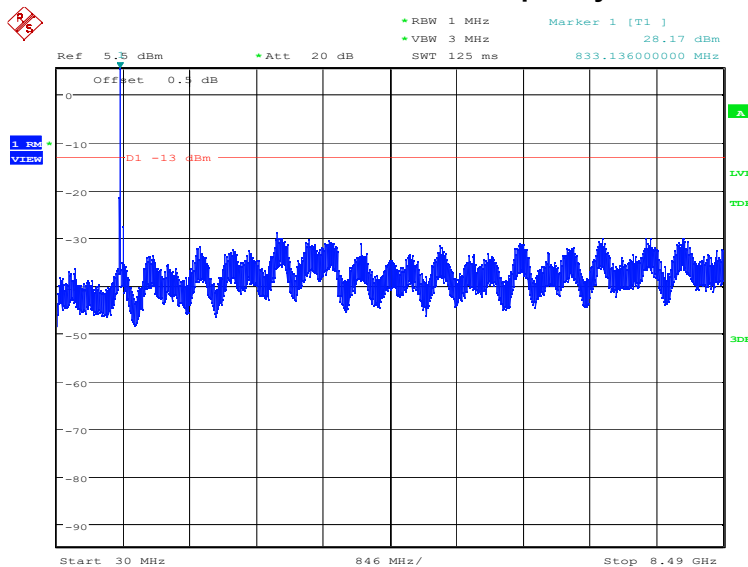
NOTE: peak above the limit line is the carrier frequency.



Date: 22.FEB.2024 13:31:28

#### LTE band 5: 30MHz – 8.49GHz

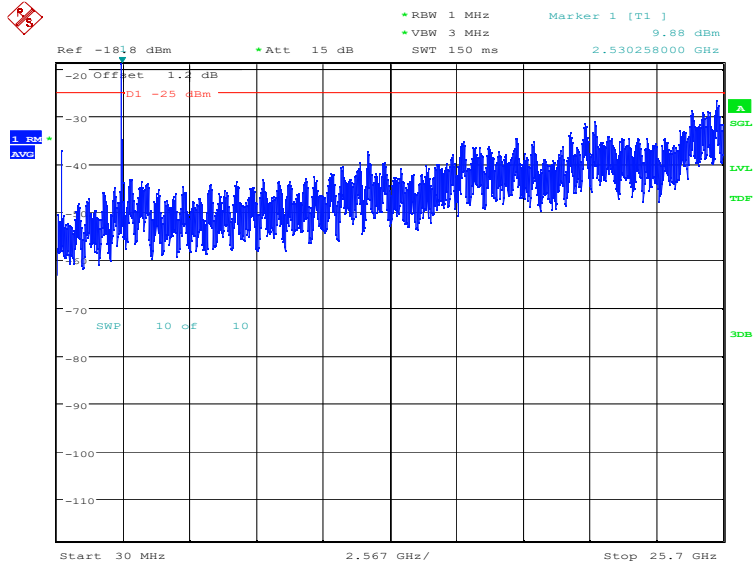
NOTE: peak above the limit line is the carrier frequency.



Date: 22.FEB.2024 12:07:42

**LTE band 7: 30MHz – 25.7GHz**

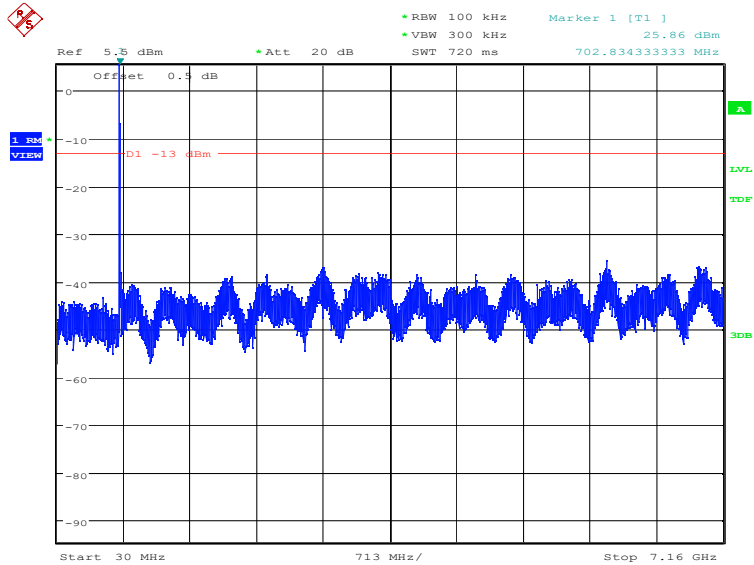
**NOTE: peak above the limit line is the carrier frequency.**



Date: 22.FEB.2024 12:24:44

**LTE band 12: 30MHz – 7.16GHz**

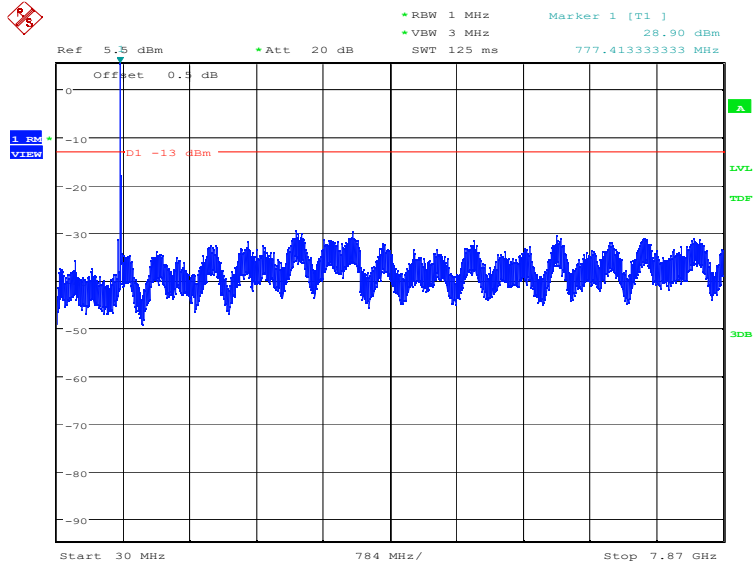
**NOTE: peak above the limit line is the carrier frequency.**



Date: 22.FEB.2024 12:08:24

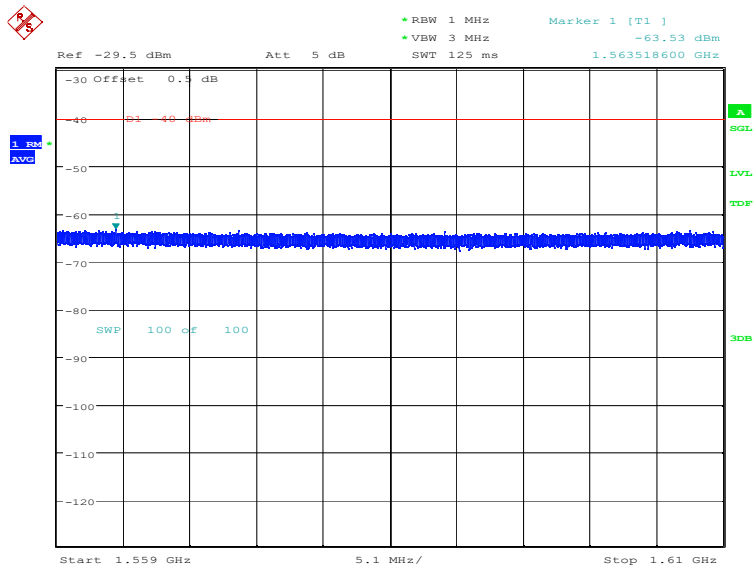
### LTE band 13: 30MHz – 7.87GHz

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



Date: 22.FEB.2024 12:09:06

### LTE band 13: 1559MHz – 1610MHz

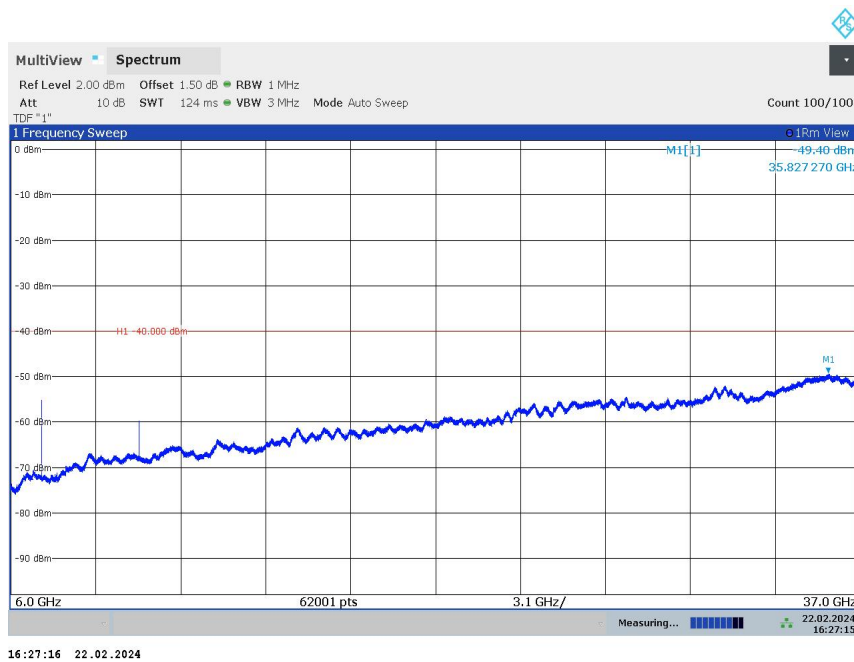
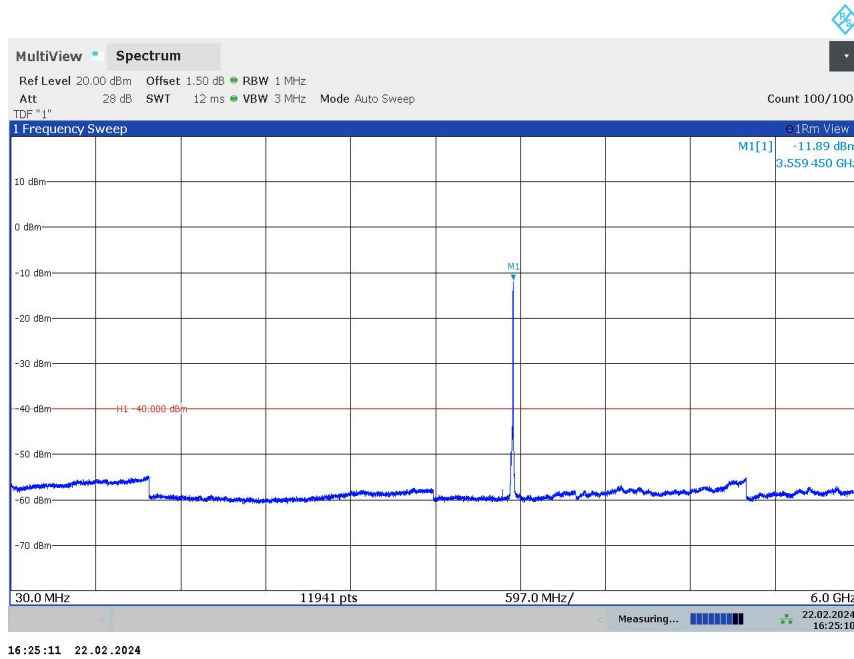


Date: 22.FEB.2024 12:09:42



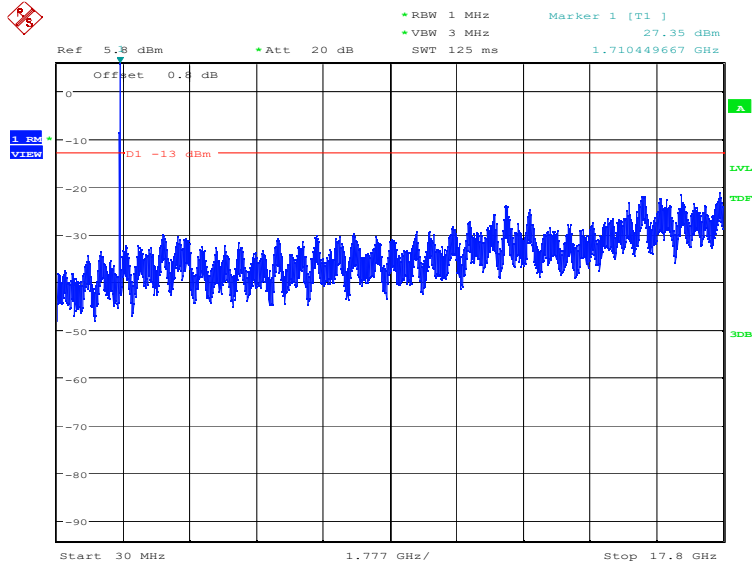
**LTE band 48: 30MHz – 37.0GHz**

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



**LTE band 66: 30MHz – 17.8GHz**

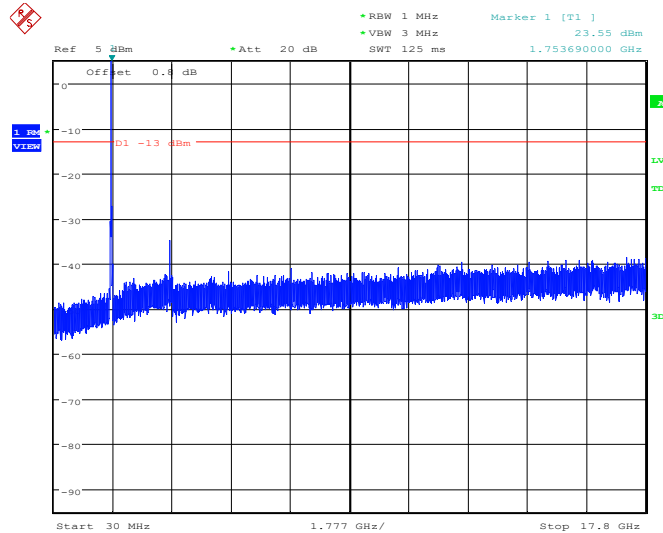
**NOTE: peak above the limit line is the carrier frequency.**



Date: 22.FEB.2024 13:32:53

**LTE CA band 66C**

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



Date: 17.JAN.2024 09:06:29

Note: Expanded measurement uncertainty is  $U = 0.622$  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 2, 20MHz**

Frequency(MHz)	PAPR(dB)			
1880.0	QPSK	16QAM	64QAM	256QAM
	6.67	7.37	7.37	7.56

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

Frequency(MHz)	PAPR(dB)			
2535.0	QPSK	16QAM	64QAM	256QAM
	6.92	7.50	7.66	7.76

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

Frequency(MHz)	PAPR(dB)			
707.5	QPSK	16QAM	64QAM	256QAM
	6.63	6.63	6.67	6.73

### **LTE band 13, 10MHz**

Frequency(MHz)	PAPR(dB)			
782.0	QPSK	16QAM	64QAM	256QAM
	6.79	6.76	6.73	6.79

### **LTE band 48, 20MHz**

Frequency (MHz)	PAPR (dB)			
3625.0	QPSK	16QAM	64QAM	256QAM
	8.30	8.91	8.97	9.04

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

Frequency(MHz)	PAPR(dB)			
1745.0	QPSK	16QAM	64QAM	256QAM
	7.47	7.37	7.37	7.40

**LTE CA band 66C, 20MHz+20MHz**

Frequency (MHz)	PAPR (dB)			
	QPSK	16QAM	64QAM	256QAM
1755.0	8.11	8.17	8.21	8.21

Note: Expanded measurement uncertainty is  $U = 0.578$  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\*\*\***