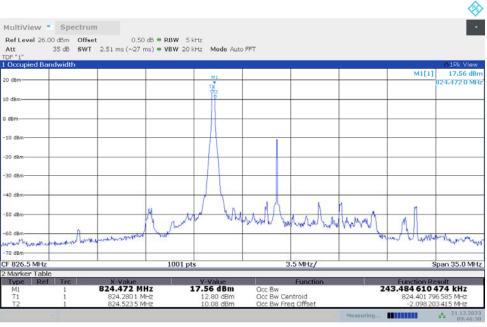


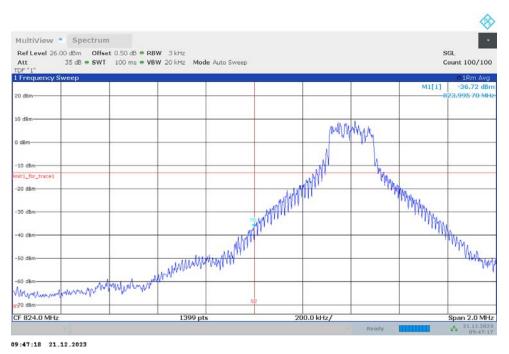


NR n5 OBW: 1RB-LOW_offset



09:46:31 21.12.2023

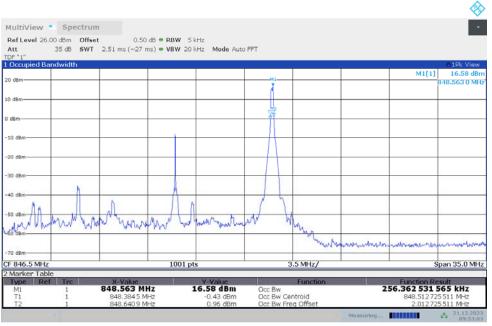
LOW BAND EDGE BLOCK-1RB-LOW_offset





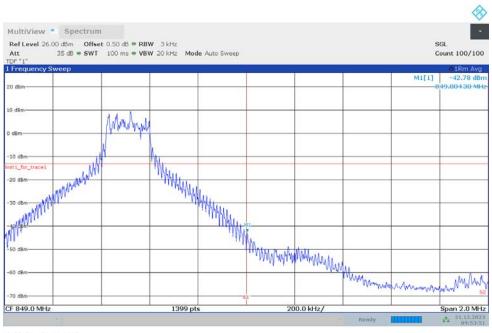


OBW: 1RB-HIGH_offset



09:53:04 21.12.2023

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

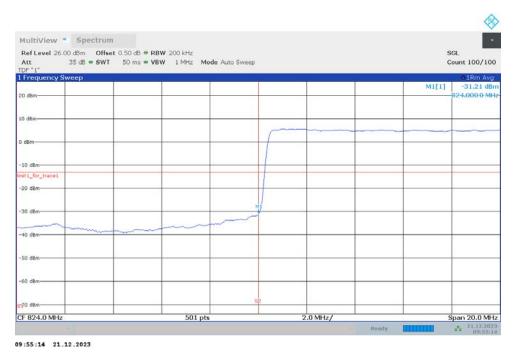


09:53:51 21.12.2023

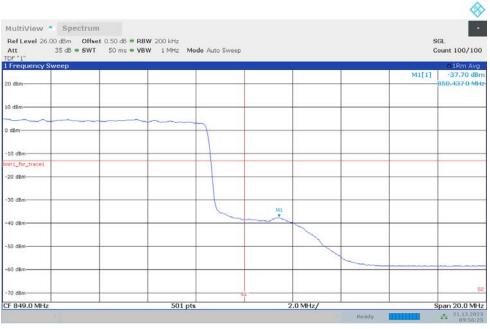




LOW BAND EDGE BLOCK-20M-100%RB



HIGH BAND EDGE BLOCK-20M-100%RB



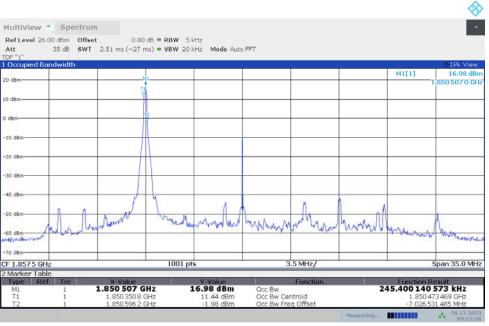
09:56:25 21.12.2023





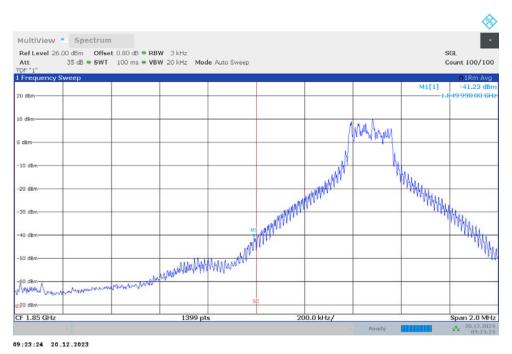
NR n25

OBW: 1RB-LOW_offset



09:22:36 20.12.2023

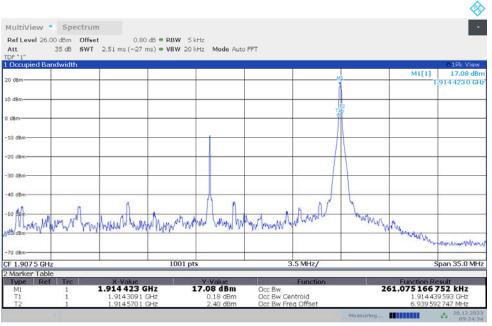
LOW BAND EDGE BLOCK-1RB-LOW_offset





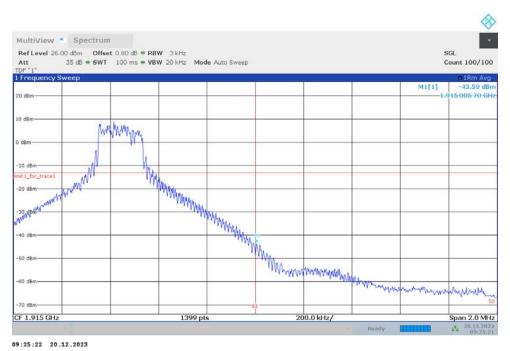


OBW: 1RB-HIGH_offset



09:24:34 20.12.2023

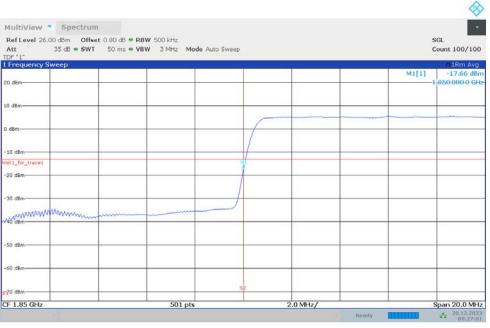
HIGH BAND EDGE BLOCK-1RB-HIGH_offset





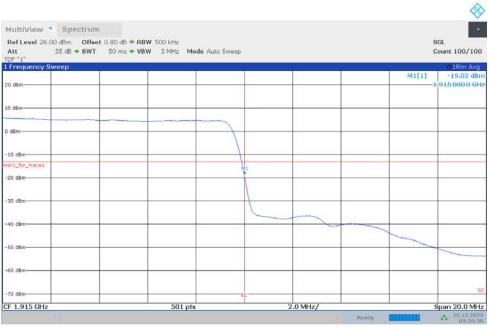


LOW BAND EDGE BLOCK-40M-100%RB



09:27:02 20.12.2023

HIGH BAND EDGE BLOCK-40M-100%RB

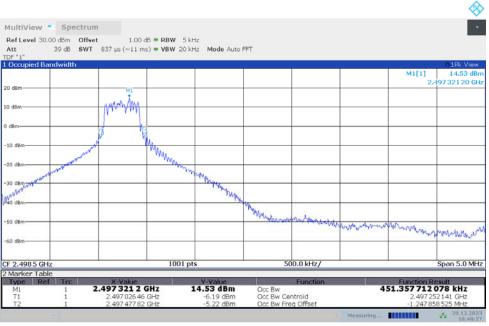


09:28:30 20.12.2023



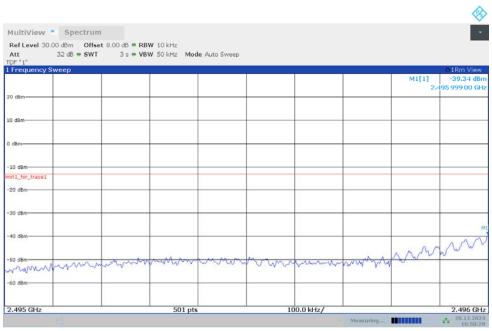


NR n41 OBW: 1RB-LOW_offset



16:48:27 20.12.2023

LOW BAND EDGE BLOCK-1RB-LOW_offset

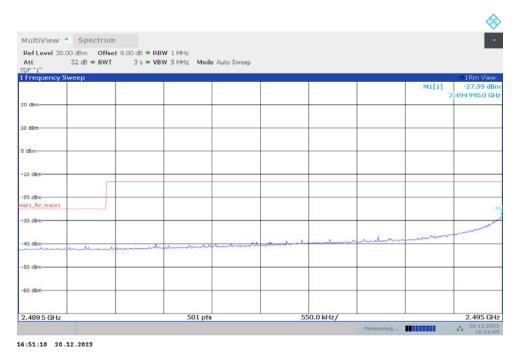


16:50:29 20.12.2023

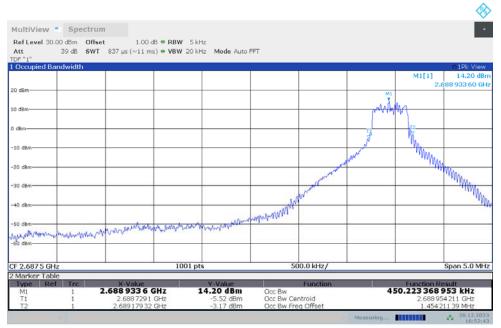




LOW BAND EDGE BLOCK-1RB-LOW_offset



OBW: 1RB-HIGH_offset

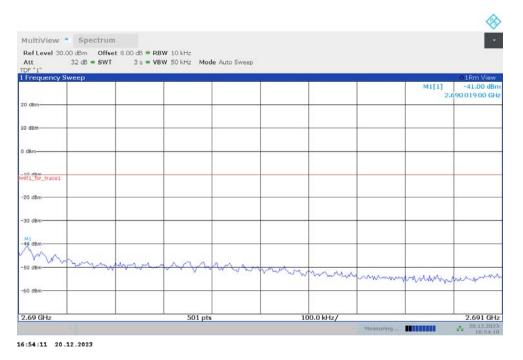


16:52:44 20.12.2023





HIGH BAND EDGE BLOCK-1RB-HIGH_offset



HIGH BAND EDGE BLOCK-1RB-HIGH_offset

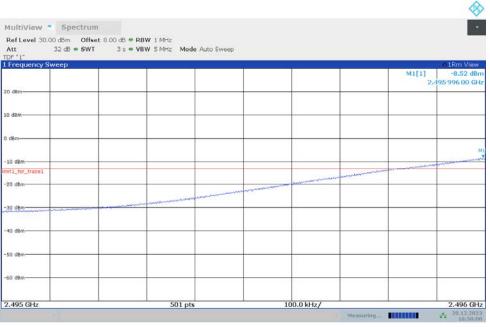
| MultiView Spectrum Ref Level 30.00 dBm Offset 8.00 d | | | | | |
|---|------------------------------|-------------|---|-------|------------------------------|
| | s = VBW 5 MHz Mode Auto Swee | p | | | |
| Frequency Sweep | | 14 - 14 - 1 | | | 01Rm View |
| | | | | M1[1] | -23.09 dBr 2.691 009 0 GH |
| 0 dBm- | | | | | 210910090 01 |
| 0 dBm | | | | | _ |
| | | | | | |
| dBm | | | | | |
| 0 dgm it1_for_trace1 | | | | | |
| 10 dBm | | | - | | _ |
| dam | | | | | |
| munition | | | | | |
| and the second se | ······ | | | | |
| 50 dBm | | | | | |
| i0 dBm | | | | | |
| | | | | | |
| 2.691 GHz | 501 pts | 900.0 kHz/ | | | 2.7 GH |

16:54:52 20.12.2023





LOW BAND EDGE BLOCK-100M-100%RB



16:58:00 20.12.2023

Channel power

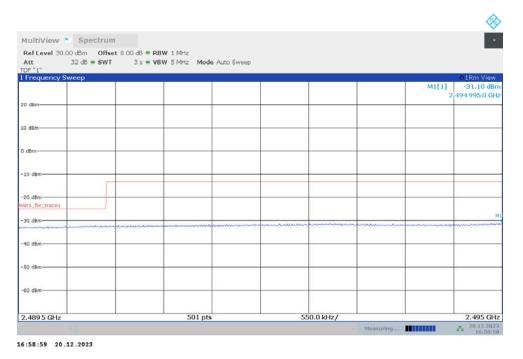


16:58:17 20.12.2023





LOW BAND EDGE BLOCK-100M-100%RB



HIGH BAND EDGE BLOCK-100M-100%RB

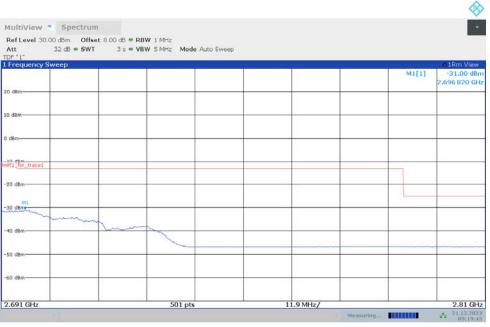
| "DF "1" | o Sweep | | | |
|-----------------|----------|--|-------|-------------------------|
| Frequency Sweep | 1.44 | 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | M1[1] | 01Rm View -31.13 dBr |
| | | | | 90 038 90 GH |
| 0 dBm | | | | |
| | | | | |
| 0 dBm | | | | |
| | | | | |
| d8m- | | | | - |
| | | | | |
| 10_dBm_trace1 | | | | |
| 20 dBm | | | | |
| | | | | |
| 30 dBm | | | | - |
| | | ····· | | |
| 40 dBm- | | | | |
| | | | | |
| 50 dBm | | | | |
| | | | | |
| 60 dBm | | | | |
| eo den | | | | |

09:19:04 21.12.2023





HIGH BAND EDGE BLOCK-100M-100%RB



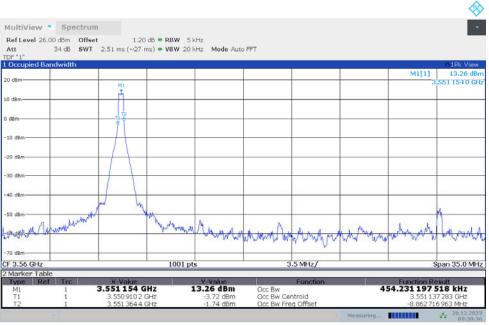
09:19:45 21.12.2023





NR n48

OBW: 1RB-LOW_offset



09:30:36 20.12.2023

LOW BAND EDGE BLOCK-1RB-LOW_offset

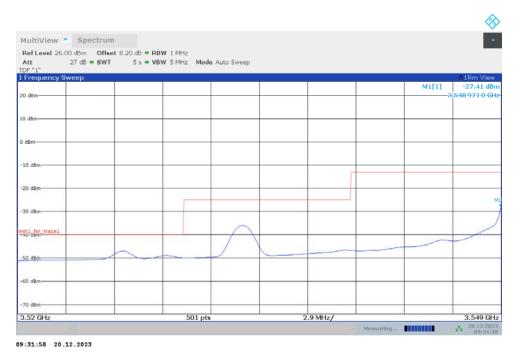
| Ref Level 26.00 dBm Offset 8.20 Att 27 dB = SWT |)dB ● RBW 5 kHz 5 s ● VBW 30 kHz Mode Auto Swe | | | |
|--|---|---------------|---------------|-----------------|
| DF "1" Frequency Sweep | SS VBW JORNZ MODE AUto SWe | ep | | 01Rm View |
| Frequency Sweep | | | | M1[1] -47.98 dB |
| 0 dBm- | | | | |
|) dBm | | | | |
| | | | | |
| dBm | | | | |
| 10 dBm | | | | |
| it1_for_trace1 | | | | |
| 20 dBm | | | | |
| 10 dBm | | | | |
| 0 dBm | | | | |
| | | | | 112 |
| 0 dBm | | a momentation | Marray Marray | www.hand |
| o dBm | manantan | ~~~~ | | |
| | | | | |
| 70 dBm | | | | |

09:31:17 20.12.2023

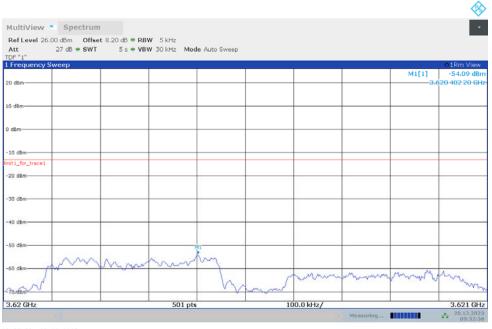




LOW BAND EDGE BLOCK-1RB-LOW_offset



LOW BAND EDGE BLOCK-1RB-LOW_offset

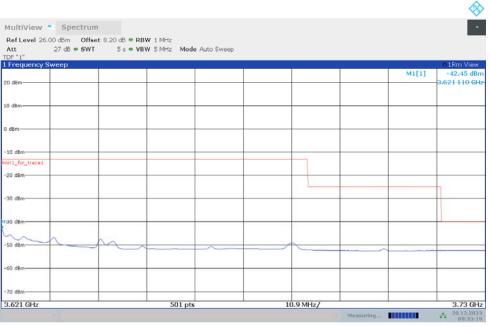


09:32:39 20.12.2023





LOW BAND EDGE BLOCK-1RB-LOW_offset



09:33:19 20.12.2023

OBW: 1RB-HIGH_offset

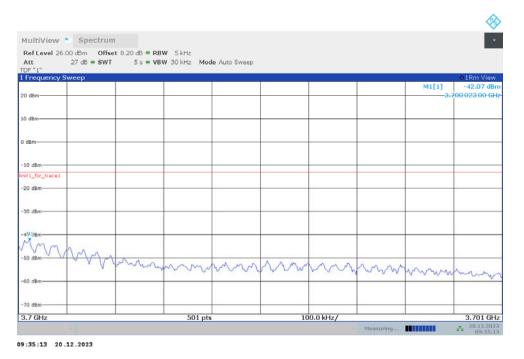


09:34:32 20.12.2023

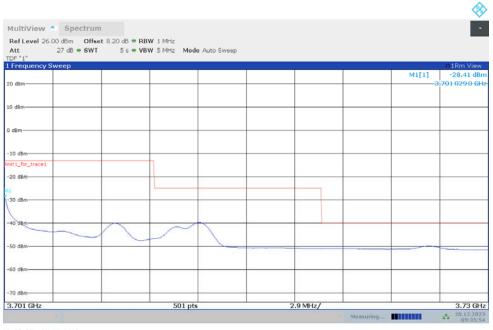




HIGH BAND EDGE BLOCK-1RB-HIGH_offset



HIGH BAND EDGE BLOCK-1RB-HIGH_offset

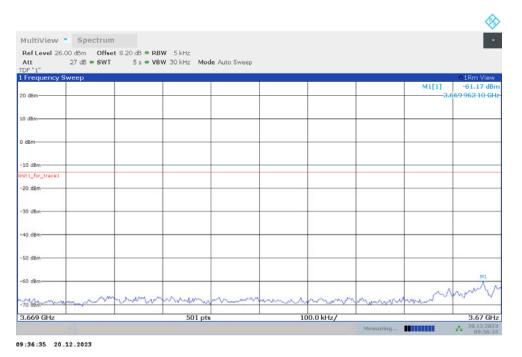


09:35:55 20.12.2023





HIGH BAND EDGE BLOCK-1RB-HIGH_offset



HIGH BAND EDGE BLOCK-1RB-HIGH_offset



09:37:16 20.12.2023





LOW BAND EDGE BLOCK-100M-100%RB



LOW BAND EDGE BLOCK-100M-100%RB

| MultiView Spectrum | | | | | | |
|---|--|-----------------|----------|---|-------|-------------------------|
| RefLevel 26.00 dBm Offset 8. Att 27 dB = SWT | 5 s ● RBW 1 MHz 5 s ● VBW 5 MHz Mod | e Auto Sween | | | | |
| DF "1" | | a riaco orrecip | | | | |
| Frequency Sweep | | | | | M1[1] | 01Rm View -38.41 dBr |
| 0 d8m- | | | | | | 3 544 861 0 GH |
| | | | | | | |
|) dBm | | | | | | |
| | | | | | | |
| dBm | | | | | | |
| | | | | | | |
| .0 dBm | | | | | | |
| | | | | _ | | |
| 20 dBm | | | | | | |
| o usm | | | | | | |
| 10 dBm | | | | | | |
| lu dem | | | | | 2007 | |
| t1_for_trace1 | | | | | MI | |
| 10-OBM | | | | | | |
| | | | | | | |
| 50 dBm | | | | | | |
| | | | | | | |
| i0 dBm | | | | - | | |
| | | | | | | |
| 70 dBm | | | | | | |
| 3.52 GHz | 501 pts | | 2.9 MHz/ | | | 3.549 GH |

14:09:08 20.12.2023

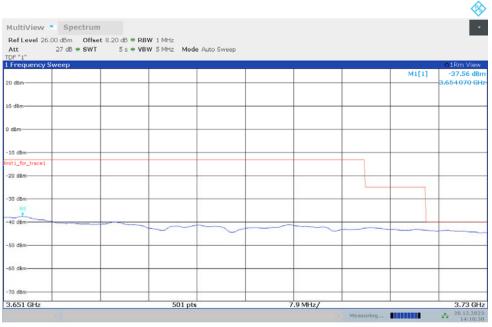




LOW BAND EDGE BLOCK-100M-100%RB



LOW BAND EDGE BLOCK-100M-100%RB



14:10:30 20.12.2023



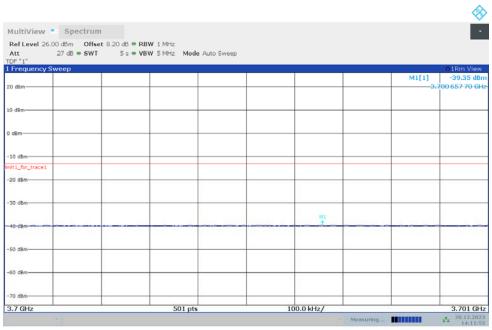


ACLR



14:10:48 20.12.2023

HIGH BAND EDGE BLOCK-100M-100%RB

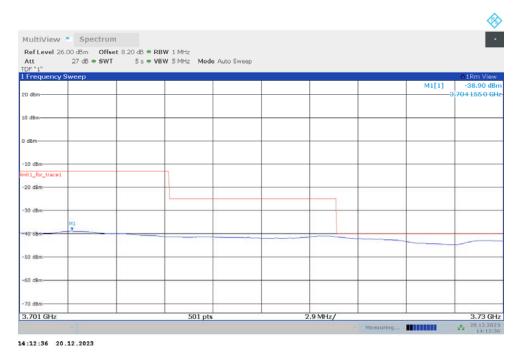


14:11:55 20.12.2023





HIGH BAND EDGE BLOCK-100M-100%RB



HIGH BAND EDGE BLOCK-100M-100%RB

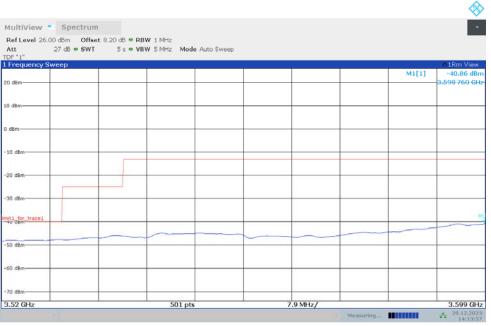
| Ref Level 26.00 dBm Off | | | | | | - |
|-------------------------|-------------------|--------------------|--------|---|--------------|----------------------------|
| Att 27 dB = SW | /T 5 s = VBW 5 MH | Hz Mode Auto Sweep | | | | |
| Frequency Sweep | | | 147 AP | T | -21 | O1Rm View |
| 0 dBm- | | | | | M1[1] 3.0 | -16.45 dB 599 997 00 GF |
| 0 dBm- | | | | | _ | |
| dBm | | | | | | |
| | | | | | | |
| 10 dBm | | | | | | |
| 0 dBm | | | | | | |
| | | | | | | |
| lð dBm | | | | | | |
| 0. dBm | | - | | | | |
| 0 dBm | | | | | | |
| 0 d8m | | | | | | - |
| | | | | | | |

14:13:17 20.12.2023





HIGH BAND EDGE BLOCK-100M-100%RB



14:13:57 20.12.2023

ACLR



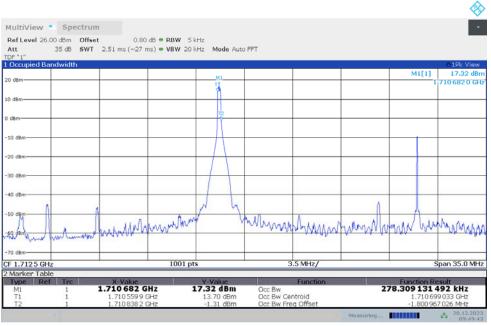
14:14:15 20.12.2023





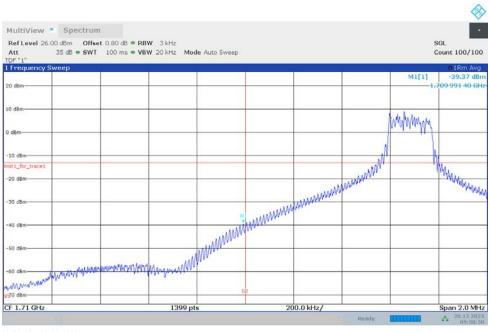
NR n66

OBW: 1RB-LOW_offset



09:49:43 20.12.2023

LOW BAND EDGE BLOCK-1RB-LOW_offset

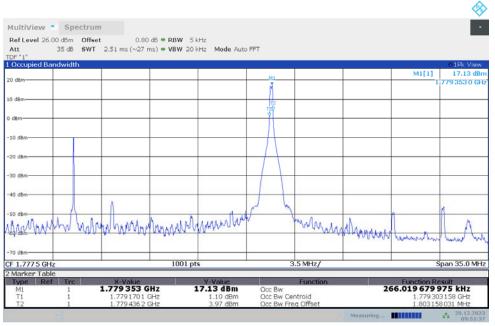


09:50:31 20.12.2023



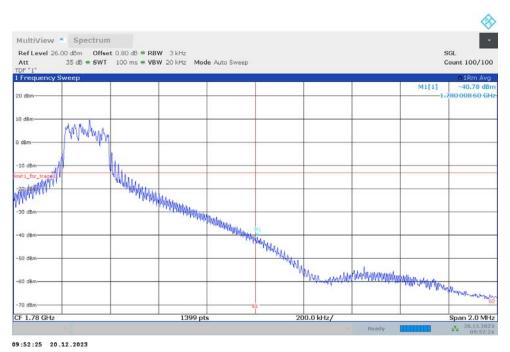


OBW: 1RB-HIGH_offset



09:51:38 20.12.2023

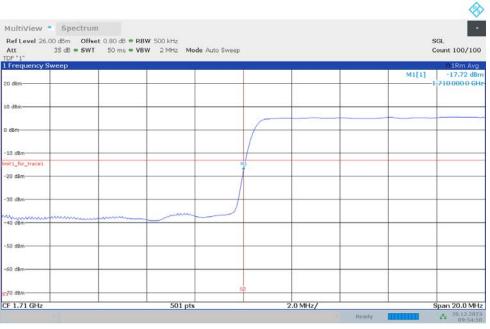
HIGH BAND EDGE BLOCK-1RB-HIGH_offset







LOW BAND EDGE BLOCK-40M-100%RB



09:54:51 20.12.2023

HIGH BAND EDGE BLOCK-40M-100%RB

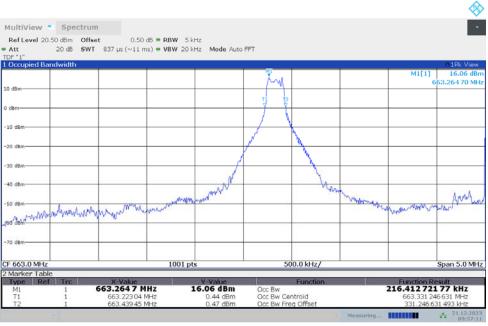
| N 2 MHz Mode Auto Swe | ep | M1[1] | Count 100/100 01Rm Avg -18,43 dBn |
|-----------------------|------------|----------|---|
| | 244 (1997) | MILI | |
| | | | -18,43 dBr |
| | | | -1 780 000 0 GH |
| | | | |
| | | | |
| | | | |
| | 1 | | _ |
| | MI | | _ |
| | | | |
| | | | mmmmm |
| | | | |
| | | | |
| | | | |
| | | | |

09:56:20 20.12.2023



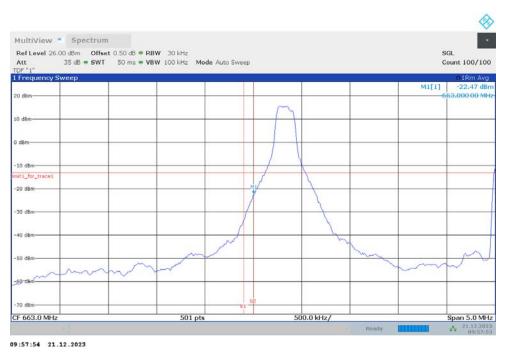


NR n71 OBW: 1RB-LOW_offset



09:57:11 21.12.2023

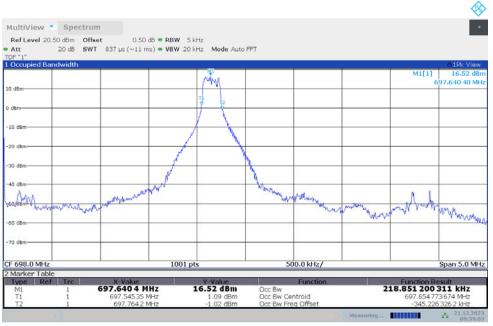
LOW BAND EDGE BLOCK-1RB-LOW_offset





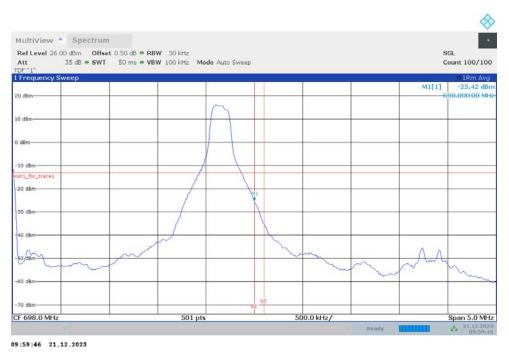


OBW: 1RB-HIGH_offset



09:59:03 21.12.2023

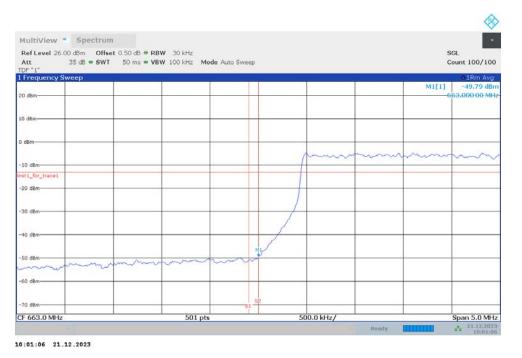
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



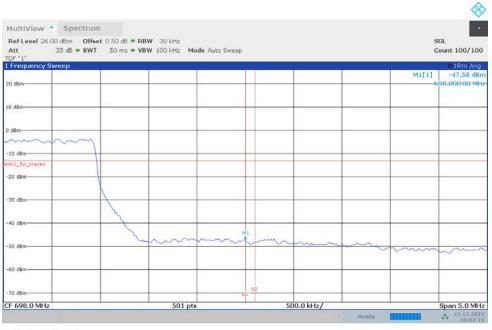




LOW BAND EDGE BLOCK-20M-100%RB



HIGH BAND EDGE BLOCK-20M-100%RB

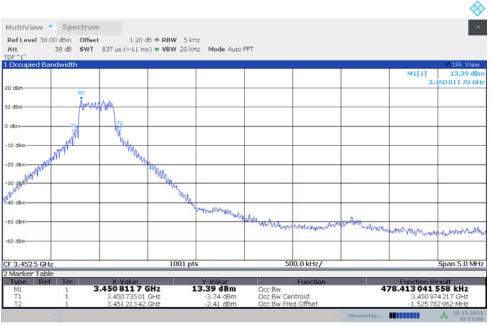


10:02:16 21.12.2023



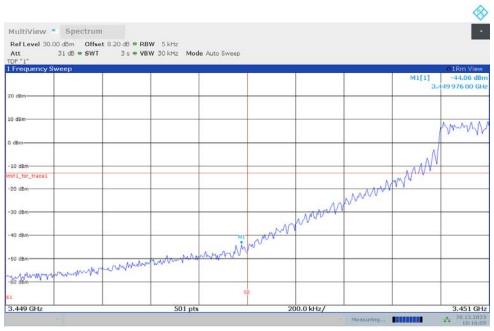


NR n77L OBW: 1RB-LOW_offset



10:15:06 20.12.2023

LOW BAND EDGE BLOCK-1RB-LOW_offset



10:16:09 20.12.2023





LOW BAND EDGE BLOCK-1RB-LOW_offset



OBW: 1RB-HIGH_offset

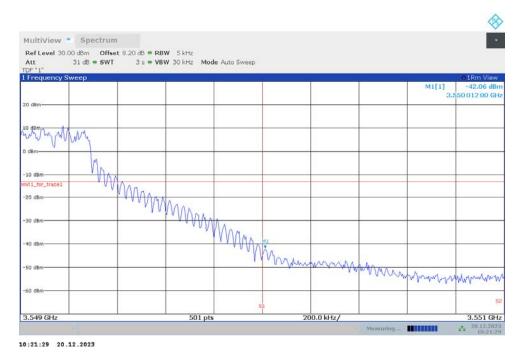


10:19:31 20.12.2023

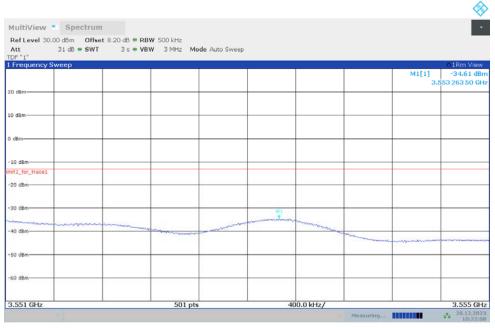




HIGH BAND EDGE BLOCK-1RB-HIGH_offset



HIGH BAND EDGE BLOCK-1RB-HIGH_offset

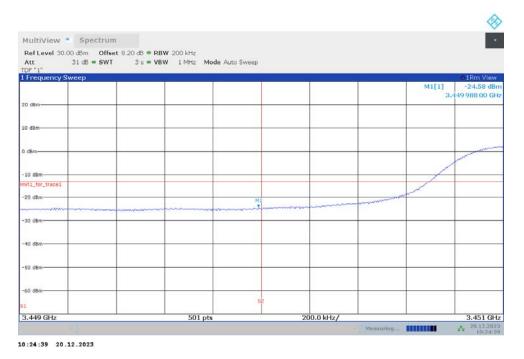


10:22:08 20.12.2023





LOW BAND EDGE BLOCK-90M-100%RB



LOW BAND EDGE BLOCK-90M-100%RB

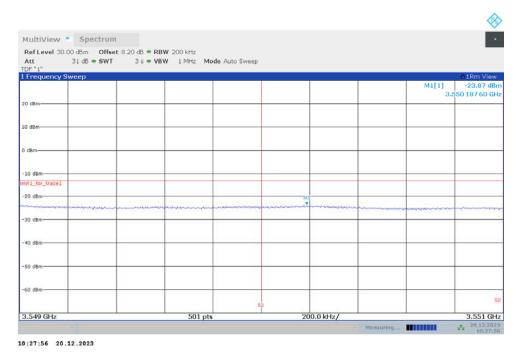
| | | BW 500 kHz | | | | | | |
|--|---------------|-------------|---------------|----|-----------|-----------|-------|------------------------|
| DF "1" | • SWT 3 s • V | BW 3 MHz Mo | de Auto Sweep | | | | | |
| Frequency Sweep | | | | | | | | 01Rm View |
| | | | | | | | M1[1] | -20.93 dB |
| | | | | | | | 3. | .448 964 10 Gł |
| 0 dBm- | | | | | | | | |
| | | | | | | | | |
|) dBm | | | | | | | | + |
| | | | | | | | | |
| d8m | | | | | | | | + |
| | | | | | | | | |
| LO dBm | | | | | | | | |
| it1_for_trace1 | | | | | | | | |
| 20 dBm | | | | | | | | |
| ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | | | | | |
| 0 dBm | | | | | | | | |
| | | 1 | | | | | | |
| | | | | | | | | |
| 10 dBm | | | | | | | | |
| | | | | | | | | |
| 50 dBm | | | | | | | | |
| | | | | | | | | |
| 0 dBm | | - | | | - | | | - |
| | | | | | | | | |
| .445 GHz | | 501 pts | | 4 | 00.0 kHz/ | | | 3.449 GF |
| ATTO OTZ | | 301 pts | • | 41 | 00.0 KHZ/ | Measuring | | * 20.12.202 10:25:1 |

10:25:19 20.12.2023





HIGH BAND EDGE BLOCK-90M-100%RB



HIGH BAND EDGE BLOCK-90M-100%RB

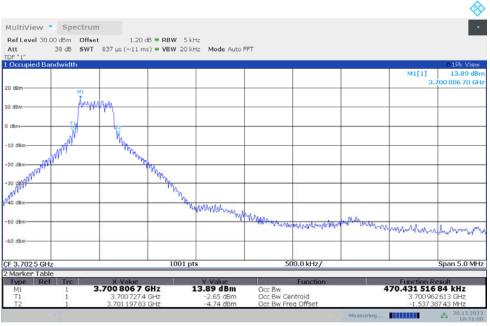
| | T 3s ⇔VBW 3I | | > | | |
|---------------------------|---------------------|-------|---|-------|-------------|
| DF "1" Frequency Sweep | | | | | 01Rm View |
| | | | | M1[1] | -20.70 dB |
|) d8m | | | | 3.5 | 51 083 80 G |
| | | | | | |
| dBm | | | | | |
| | | | | | |
| d8m | | | | | |
| | | | | | |
| 0 dBm | | | | | |
| t1_for_trace1 | | | | | |
| 9.dBm | | | | | |
| | | ~~~~~ | | | |
| 0 dBm | | | | _ | |
| | | | | | |
| 0 dBm | | | | | |
| | | | | | |
| | | | | | - |
| 0 dBm | | | | | |
| 0 dBm | | | | | |
| 0 dBm | | | | _ | |

10:28:35 20.12.2023



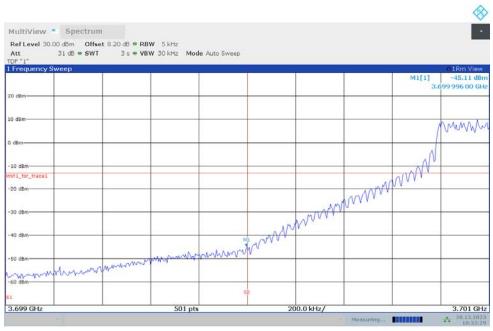


NR n77H OBW: 1RB-LOW_offset



10:31:00 20.12.2023

LOW BAND EDGE BLOCK-1RB-LOW_offset

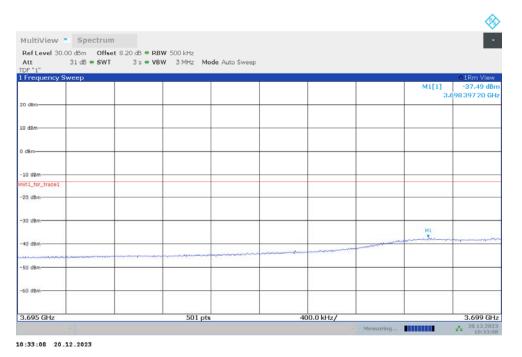


10:32:29 20.12.2023

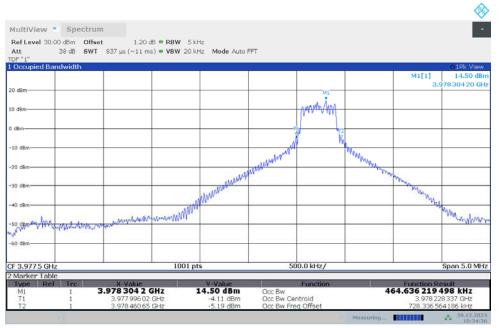




LOW BAND EDGE BLOCK-1RB-LOW_offset



OBW: 1RB-HIGH_offset

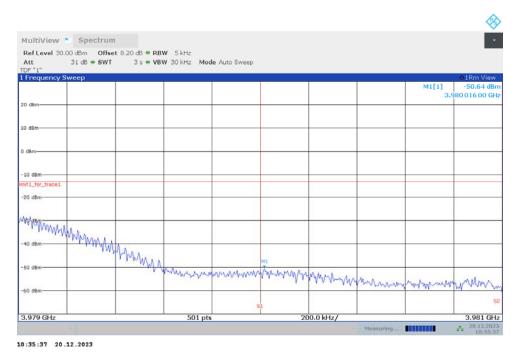


10:34:37 20.12.2023





HIGH BAND EDGE BLOCK-1RB-HIGH_offset



HIGH BAND EDGE BLOCK-1RB-HIGH_offset

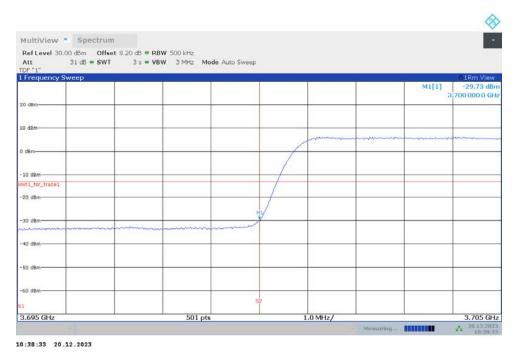
| MultiView Spectrum Ref Level 30.00 dBm Offset 8 | | | | |
|---|--------------------------------|------------|----|-----------------|
| Att 31 dB = SWT | 3 s = VBW 3 MHz Mode Auto Swee | p | | |
| DF "1" Frequency Sweep | | | | 01Rm View |
| | | | | M1[1] -38.56 dB |
| 0 d8m | | | | 3.981 004 00 GF |
| | | | | |
| 0 dBm | | | | |
| | | | | |
| dBm | | | | |
| | | | | |
| 10 dBm | | | ++ | |
| nit1_for_trace1 | | | | |
| 20 dBm | | | | |
| | | | | |
| 30 dBm | | | ++ | |
| i | | | | |
| 40 dBm | | | | |
| and the second se | | | + | |
| 50 dBm | | | | |
| | | | | |
| 60 dBm | | | | |
| | | | | |
| 3.981 GHz | 501 pts | 400.0 kHz/ | | 3.985 GH |

10:36:16 20.12.2023

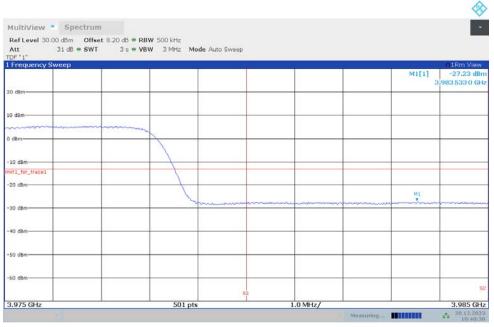




LOW BAND EDGE BLOCK-100M-100%RB



HIGH BAND EDGE BLOCK-100M-100%RB



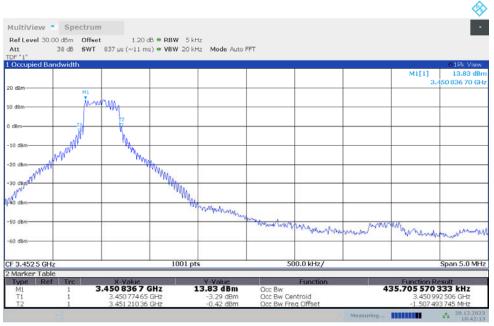
10:40:31 20.12.2023





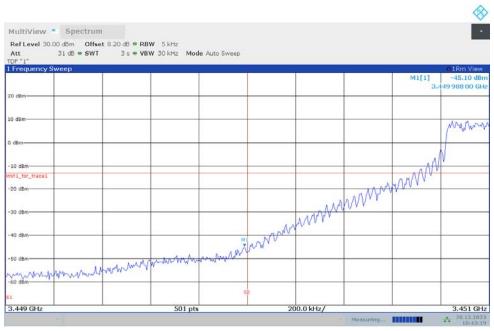
NR n78L

OBW: 1RB-LOW_offset



10:42:14 20.12.2023

LOW BAND EDGE BLOCK-1RB-LOW_offset



10:43:20 20.12.2023





LOW BAND EDGE BLOCK-1RB-LOW_offset



OBW: 1RB-HIGH_offset

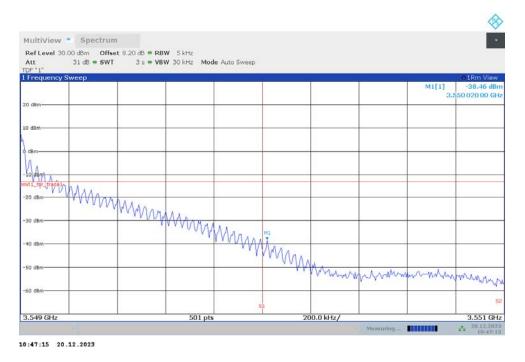


10:46:03 20.12.2023





HIGH BAND EDGE BLOCK-1RB-HIGH_offset



HIGH BAND EDGE BLOCK-1RB-HIGH_offset

| Att 31 dB • SWT | 8.20 dB 🖷 RBW 500 kHz | | | | | |
|-----------------|------------------------|----------------|---|---|-------|-----------------------------|
| DF "1" | 3s ●VBW 3MHz Mo | ode Auto Sweep | | | | |
| Frequency Sweep | | | I | | | 01Rm View |
| | | | | | M1[1] | -36.29 dBr 551 004 00 GH |
| 0 d8m | | | | | | 331 004 00 01 |
| | | | | | | |
|) dBm | | | | | | |
| | | | | | | |
| d8m | | | | | | |
| | | | | | | |
| 10 dBm | | | | | | |
| it1_for_trace1 | | | | | | |
| 20 dBm | | | | | | |
| | | | | | | |
| 30 d8m | | | | | | |
| | | | | | | |
| 40 dBm | | | | | 4 | |
| 40 dBm | man man man | ······ | man in a start and | | | menum |
| 50 dBm | | | Constrainty Constrainty | | | 100 March 10000 |
| o usin | | | | | | |
| 0 dBm | | | | | | |
| ou dem | | | | | | |
| | | | | | | |
| 3.551 GHz | 501 pts | 5 | 400.0 kHz | / | | 3.555 GH |

10:47:55 20.12.2023





LOW BAND EDGE BLOCK-90M-100%RB



LOW BAND EDGE BLOCK-90M-100%RB

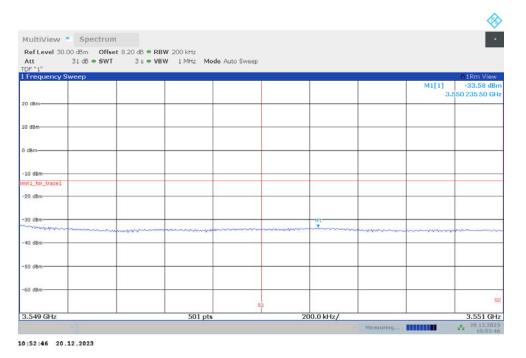
| | trum | | | | | | | |
|-----------------------------------|-----------------------------------|---------|---------------|------------|------------|---|-------|----------------|
| RefLevel 30.00 dBm Att 31 dB • | Offset 8.20 dB ■ R SWT 3 s ■ V | | de Auto Sweep | | | | | |
| DF "1" Frequency Sweep | | | | | | | | 01Rm View |
| Trequency Sweep | | | | | | | M1[1] | -29.83 dB |
| | | | | | | | | .448 892 20 GH |
| 0 d8m | | | | | | | | |
| | | | | | | | | |
| 0 dBm | | | | | | | | + |
| | | | | | | | | |
| dBm | | | | | | | | |
| | | | | | | | | |
| LO dBm | | | | | | | | |
| it1_for_trace1 | | | | | | | - | |
| 20 dBm | | | | | | | | |
| | | | | | | | | (2007 |
| dame and dame | | | | | | | | M1 |
| 10 dBm | | | | - marken - | | | | |
| | | | | | | | | |
| 40 dBm- | | | | | | | | |
| | | | | | | | | |
| 50 dBm | | | | | | | | |
| | | | | | | | | |
| 60 dBm | - | | | | 3 | - | | - |
| | | | | | | | | |
| 3.445 GHz | | 501 pts | | | 400.0 kHz/ | | | 3.449 GH |

10:51:13 20.12.2023

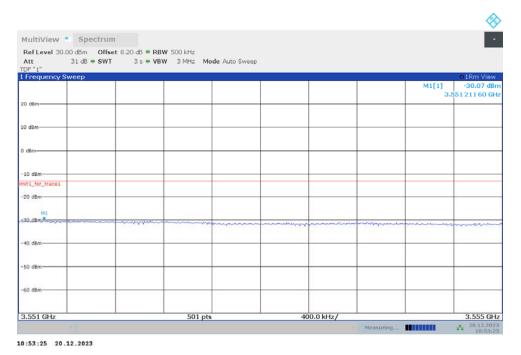




HIGH BAND EDGE BLOCK-90M-100%RB



HIGH BAND EDGE BLOCK-90M-100%RB



Note: The maximum value of expanded measurement uncertainty for this test item is U = 0.626 kHz, 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 that 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 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. Notwithstanding the emission limits in this paragraph. the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB. Part 27.53(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Part 27.53(I) states for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

Compliance with this paragraph (I)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

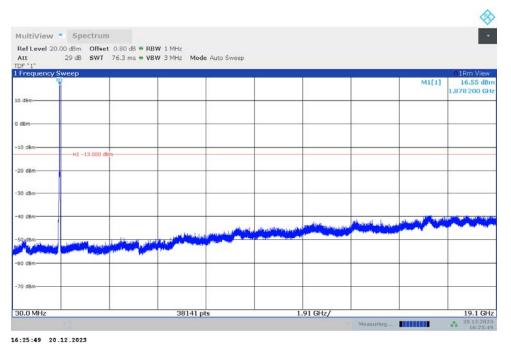




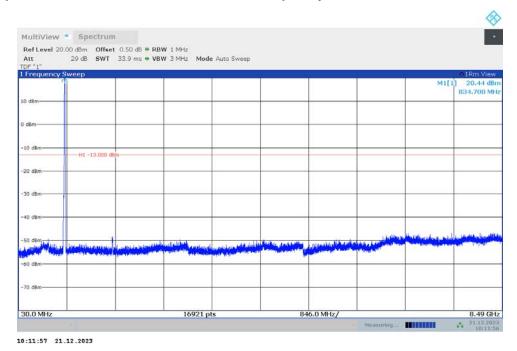
A. 7.3 Measurement result

n2

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



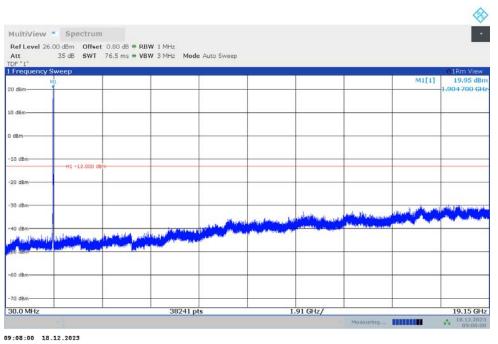
n5



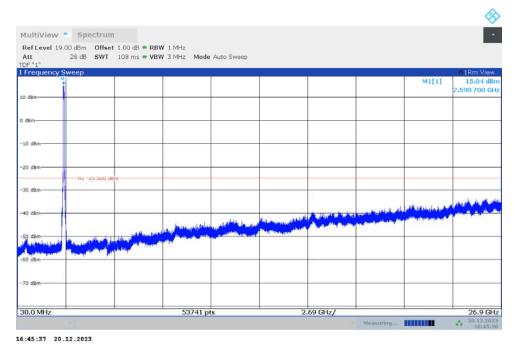




n25 NOTE: peak above the limit line is the carrier frequency.

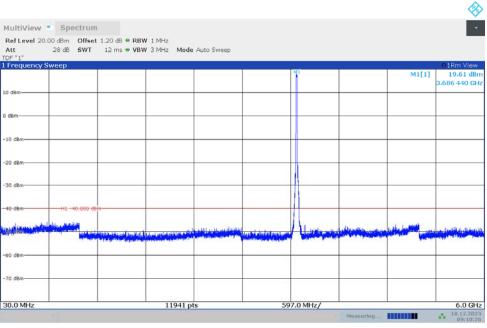


n41

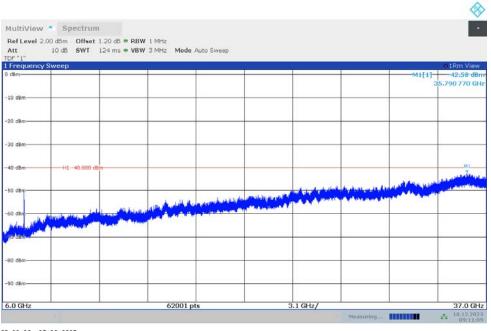








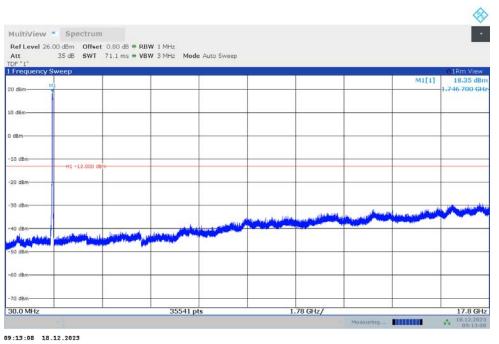




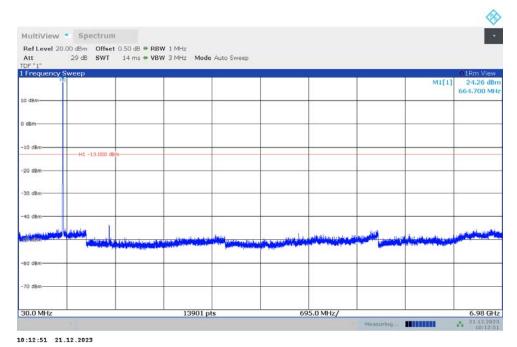




n66 NOTE: peak above the limit line is the carrier frequency.



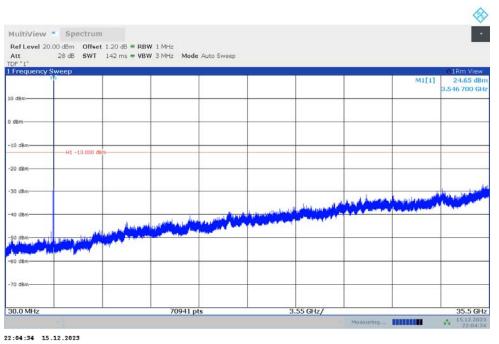
n71



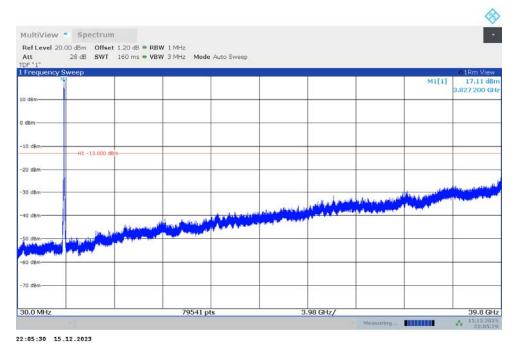




n77L NOTE: peak above the limit line is the carrier frequency.



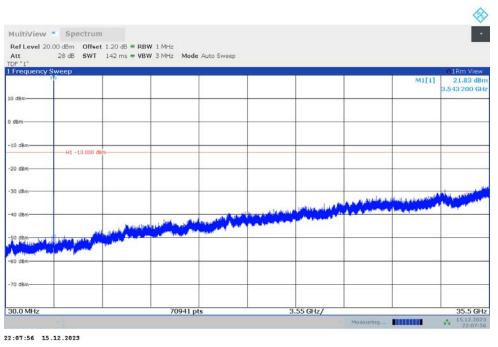
n77H







n78L NOTE: peak above the limit line is the carrier frequency.



Note: The maximum value of expanded measurement uncertainty for this test item is U = 0.372 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 ≥ 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%.

Measurement results

n2,40MHz

| Frequency (MHz) | | PAPR (dB) | | | | | | | | | |
|-----------------|-----------------|------------|-------------|-------------|--------------|---------|----------|----------|-----------|--|--|
| | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM | | |
| 1880 | 4.87 | 5.39 | 6.05 | 6.31 | 6.40 | 7.98 | 8.00 | 8.07 | 8.30 | | |

n25,40MHz

| Frequency (MHz) | | PAPR (dB) | | | | | | | | | |
|-----------------|-----------------|------------|-------------|-------------|--------------|---------|----------|----------|-----------|--|--|
| Frequency (MHZ) | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM | | |
| 1882.5 | 4.74 | 5.26 | 5.92 | 6.21 | 6.41 | 7.68 | 7.65 | 7.86 | 8.25 | | |

n41,100MHz

| Frequency (MHz) | | PAPR (dB) | | | | | | | | | |
|-----------------|-----------------|------------|-------------|-------------|--------------|---------|----------|----------|-----------|--|--|
| Frequency (MHZ) | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM | | |
| 2592.99 | 5.04 | 5.59 | 6.18 | 6.41 | 6.64 | 7.91 | 7.95 | 8.02 | 8.32 | | |

n48,100MHz

| Frequency (MHz) | PAPR (dB) | | | | | | | | | | |
|-----------------|-----------------|------------|-------------|-------------|--------------|---------|----------|----------|-----------|--|--|
| Frequency (MHZ) | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM | | |
| 3624.99 | 4.03 | 4.79 | 6.33 | 6.51 | 6.54 | 8.15 | 8.16 | 8.15 | 8.30 | | |

n66,40MHz

| | | PAPR (dB) | | | | | | | | | | |
|-----------------|-----------------|------------|-------------|-------------|--------------|---------|----------|----------|-----------|--|--|--|
| Frequency (MHz) | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM | | | |
| 1745 | 4.58 | 5.08 | 5.86 | 6.16 | 6.53 | 7.46 | 7.44 | 7.65 | 8.49 | | | |

n71,20MHz

| Frequency (MHz) | PAPR (dB) | | | | | | | | | |
|-----------------|-----------------|------------|-------------|-------------|--------------|---------|----------|----------|-----------|--|
| Frequency (MHZ) | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM | |
| 680.5 | 4.74 | 5.70 | 6.40 | 6.62 | 6.74 | 8.42 | 8.28 | 8.52 | 8.46 | |

n77L,90MHz

| | | PAPR (dB) | | | | | | | | | | |
|-----------------|-----------------|------------|-------------|-------------|--------------|---------|----------|----------|-----------|--|--|--|
| Frequency (MHz) | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM | | | |
| 3500.01 | 4.19 | 4.93 | 5.60 | 5.80 | 6.28 | 6.89 | 6.90 | 7.20 | 8.03 | | | |





n77H,100MHz

| Frequency (MHz) | | | | PA | PR (dB) | | | | | | |
|-----------------|-----------------|------------|-------------|-------------|--------------|---------|----------|----------|-----------|--|--|
| Frequency (MHZ) | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM | | |
| 3840 | 3.94 | 4.82 | 6.36 | 6.63 | 6.59 | 8.25 | 8.30 | 8.26 | 8.35 | | |
| n78L,90MHz | n78L,90MHz | | | | | | | | | | |
| | PAPR (dB) | | | | | | | | | | |

| Frequency (MHz) | DFT-s-pi/2 BPSK | DFT-s-QPSK | DFT-s-16QAM | DFT-s-64QAM | DFT-s-256QAM | CP-QPSK | CP-16QAM | CP-64QAM | CP-256QAM |
|-----------------|-----------------|------------|-------------|-------------|--------------|---------|----------|----------|-----------|
| 3500.01 | 4.48 | 5.38 | 5.97 | 6.18 | 6.59 | 7.45 | 7.50 | 7.67 | 8.17 |

Note: The maximum value of expanded measurement uncertainty for this test item is U = 0.356 dB, k = 2.





Annex B: Accreditation Certificate



END OF REPORT