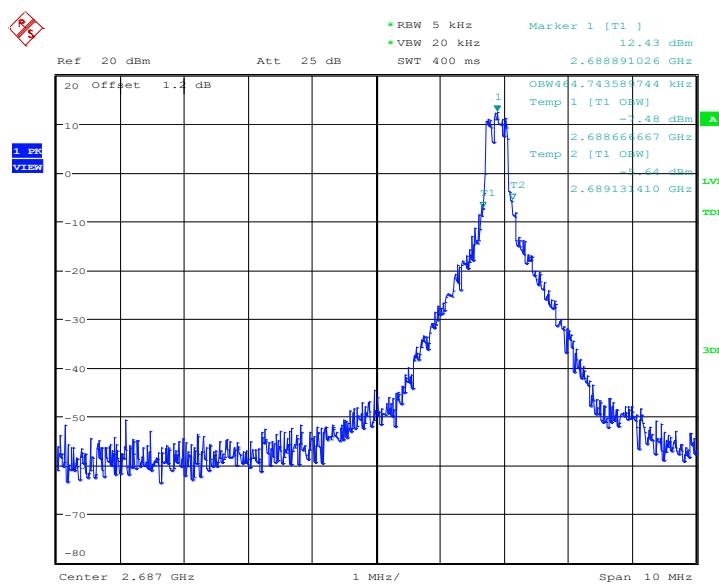
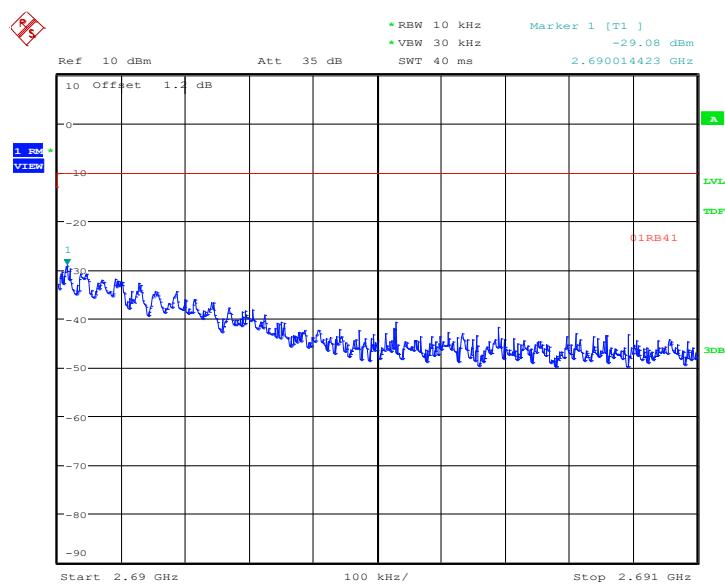
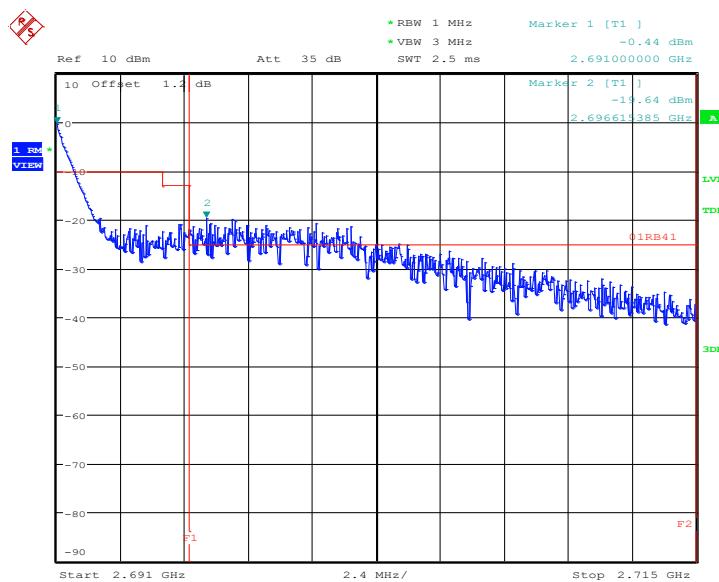


OBW: 1RB-high_offset

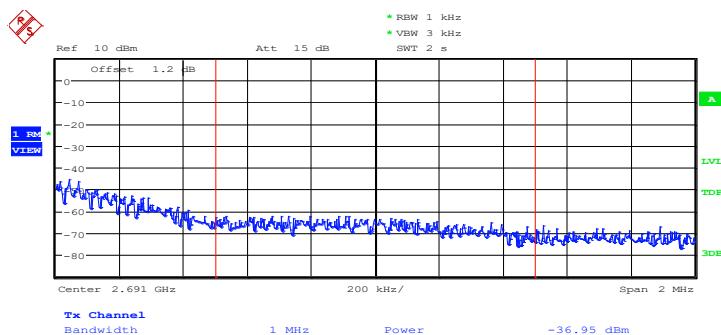


HIGH BAND EDGE BLOCK-1RB-high_offset

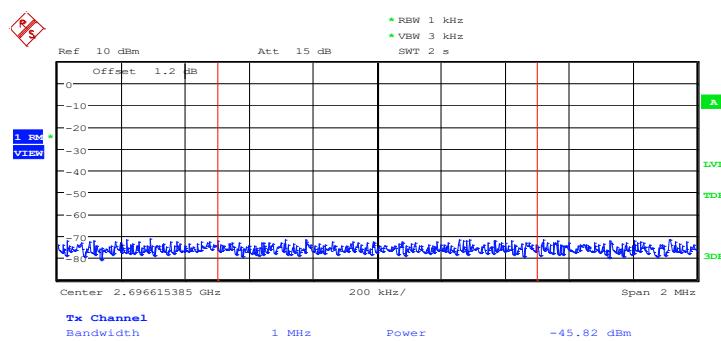




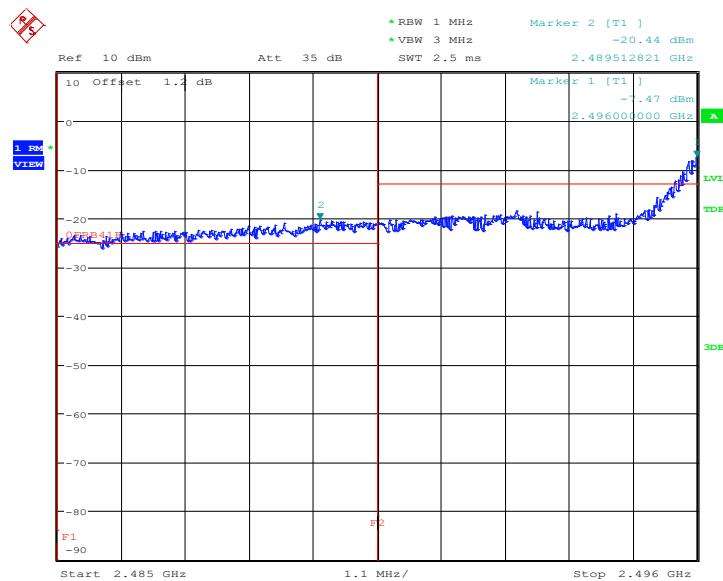
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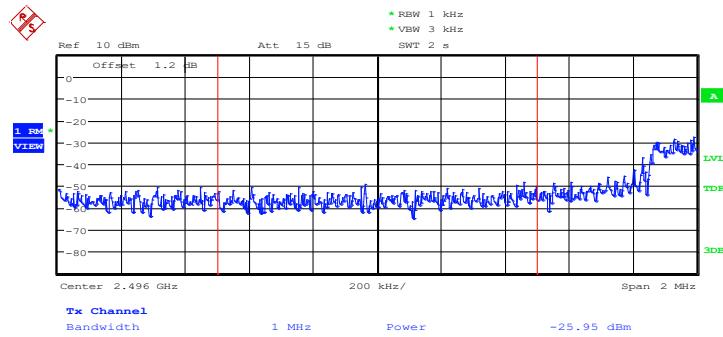
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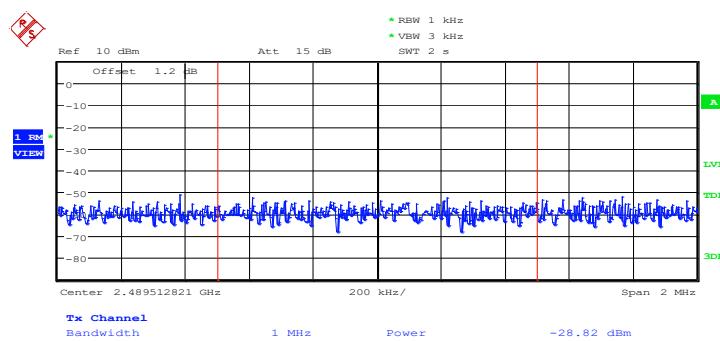
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LOW BAND EDGE BLOCK-100MHz-100%RB


Date: 13.AUG.2020 15:42:02

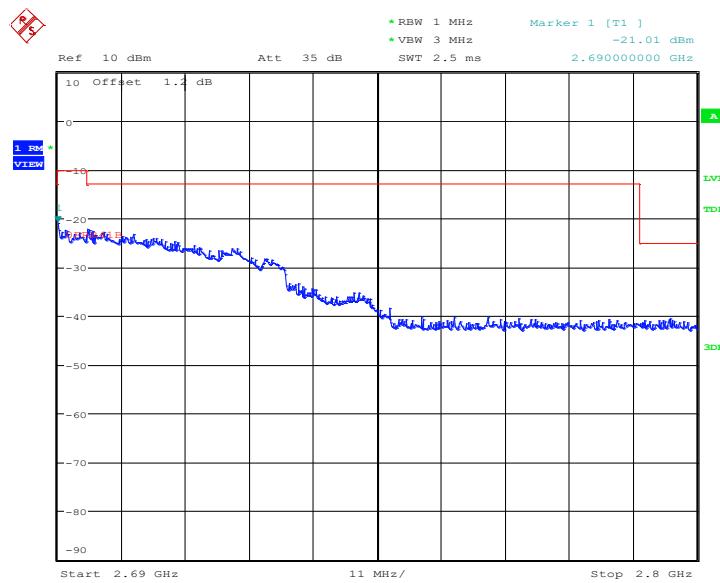


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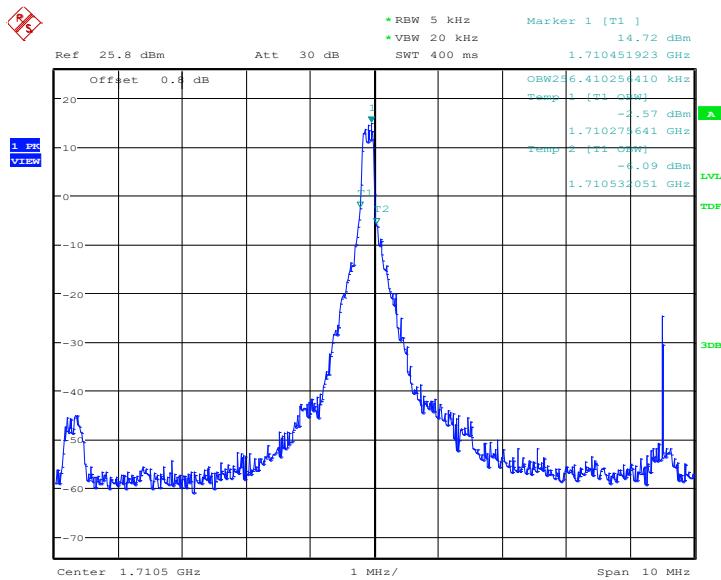
Date: 13.AUG.2020 17:03:32

HIGH BAND EDGE BLOCK-100MHz-100%RB



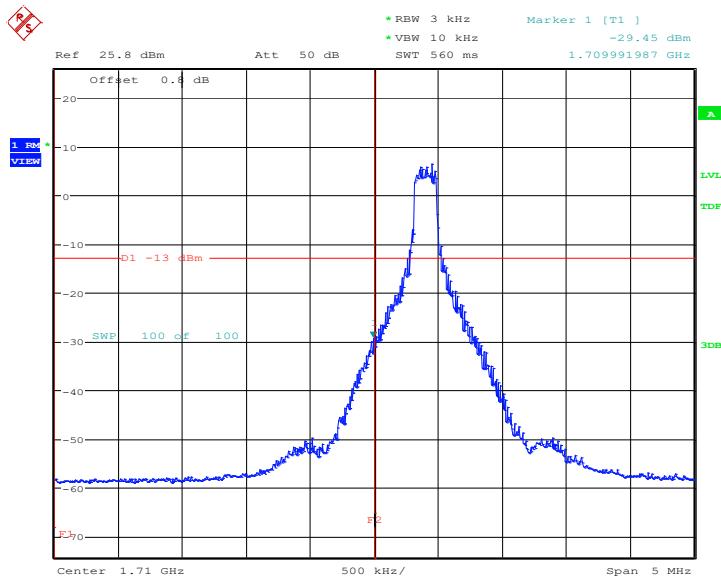
n66

OBW: 1RB-low_offset



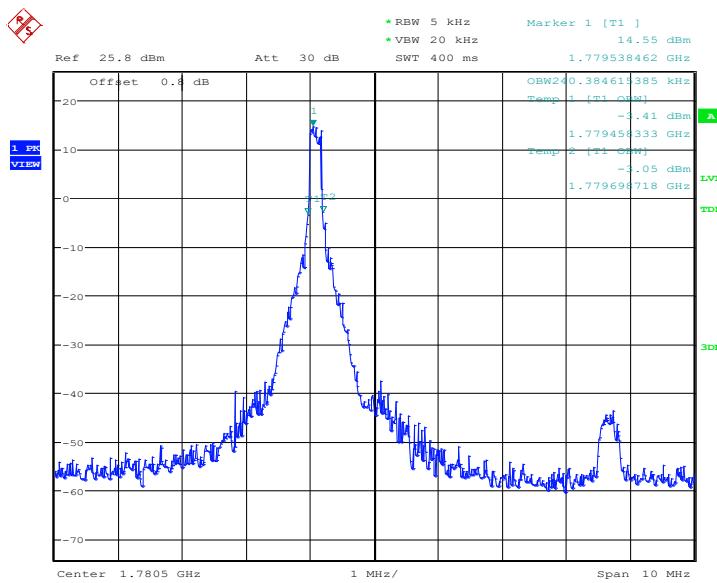
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LOW BAND EDGE BLOCK-1RB-low_offset



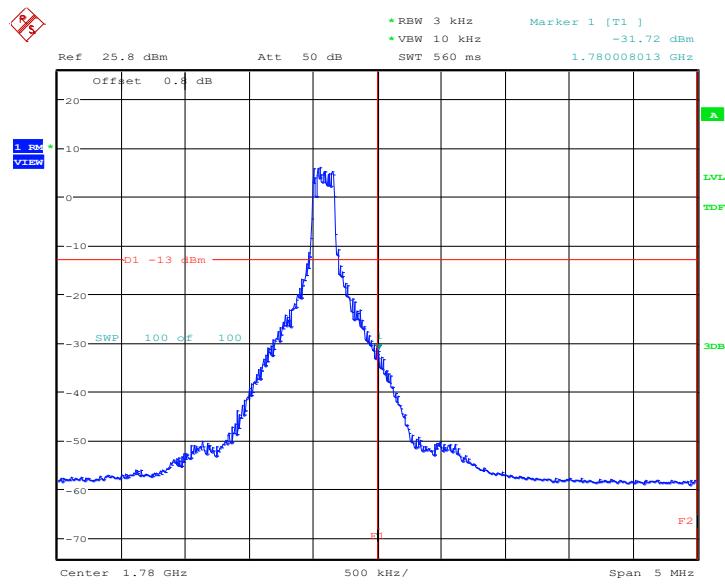
Date: 11.AUG.2020 14:09:09

OBW: 1RB-high_offset



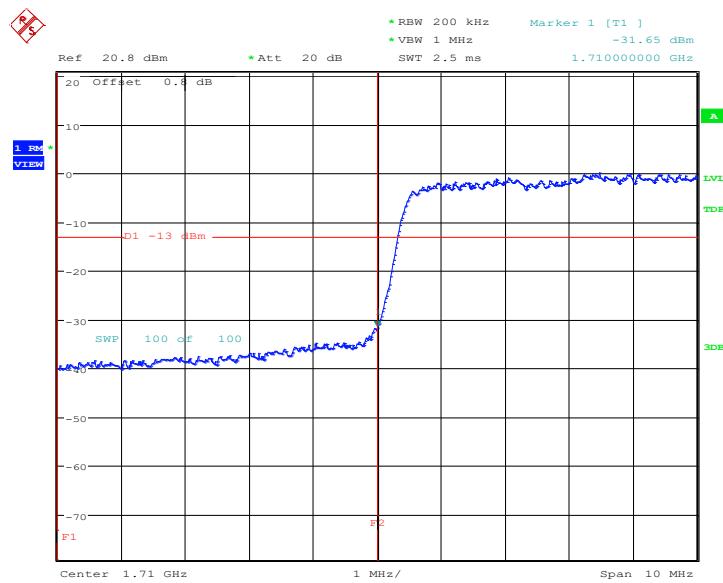
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HIGH BAND EDGE BLOCK-1RB-high_offset



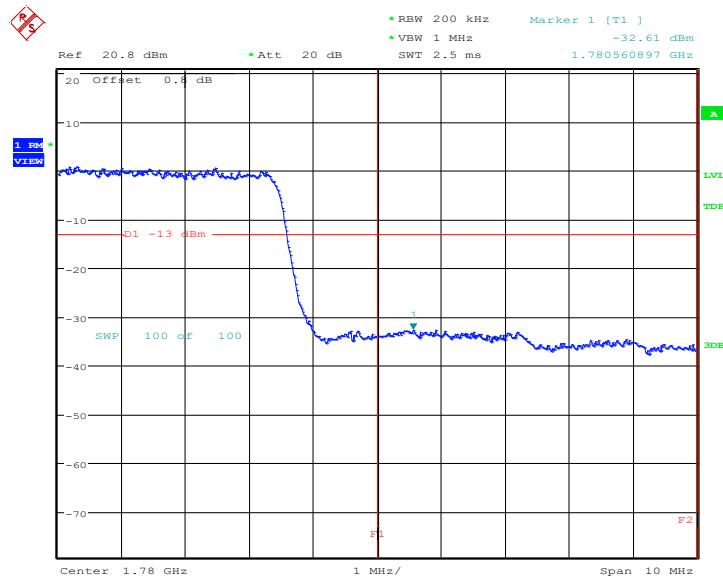
Date: 11.AUG.2020 14:06:50

LOW BAND EDGE BLOCK-20MHz-100%RB



Date: 11.AUG.2020 14:43:48

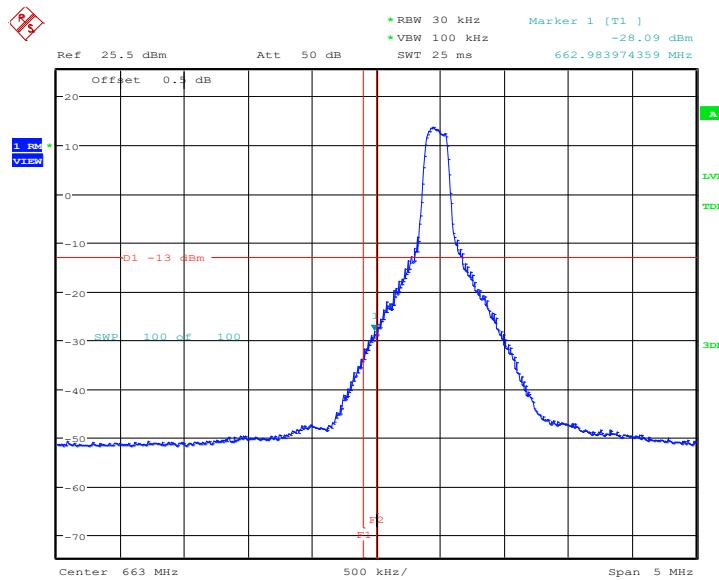
HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 11.AUG.2020 14:47:31

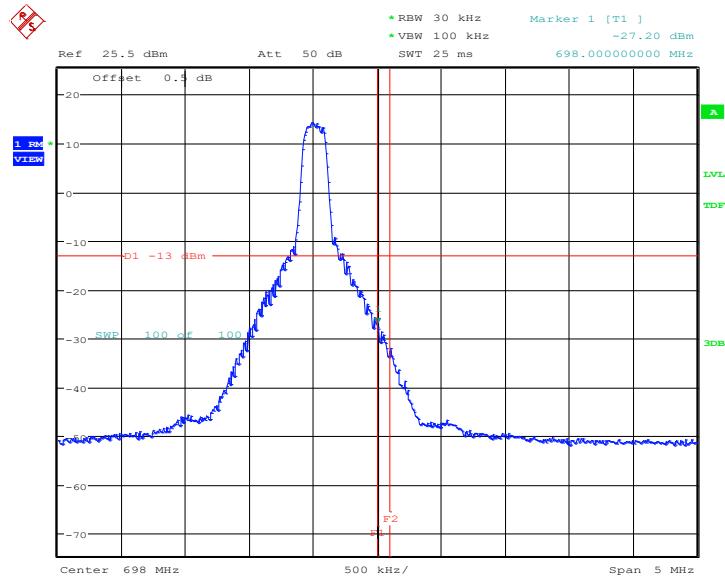
n71

LOW BAND EDGE BLOCK-1RB-low_offset



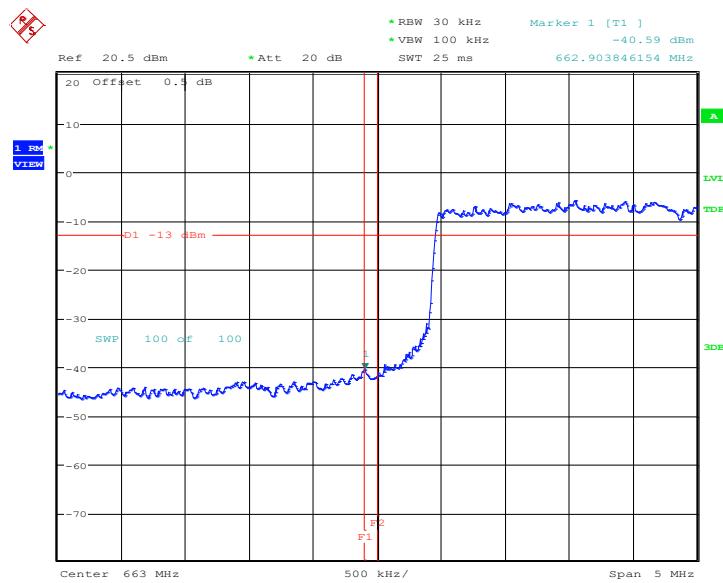
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HIGH BAND EDGE BLOCK-1RB-high_offset

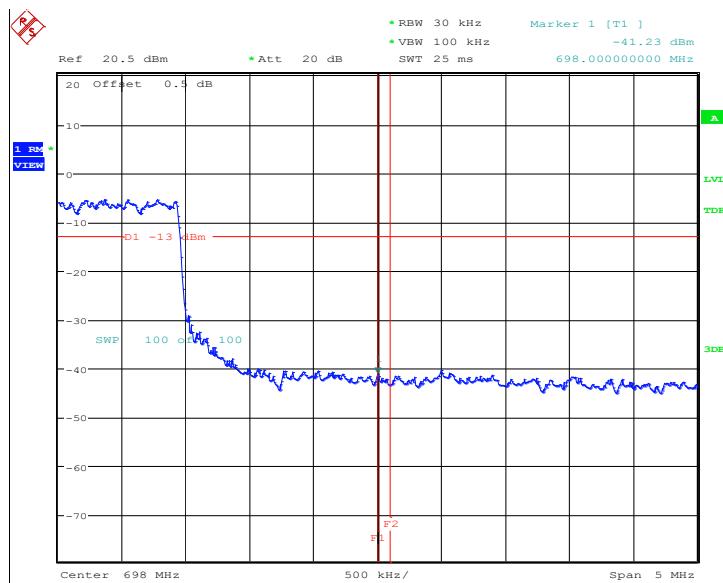


Date: 11.AUG.2020 14:16:39

LOW BAND EDGE BLOCK-20MHz-100%RB



HIGH BAND EDGE BLOCK-20MHz-100%RB



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 set to 30001 which is greater than span/RBW.

A.7.2 Measurement Limit

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.

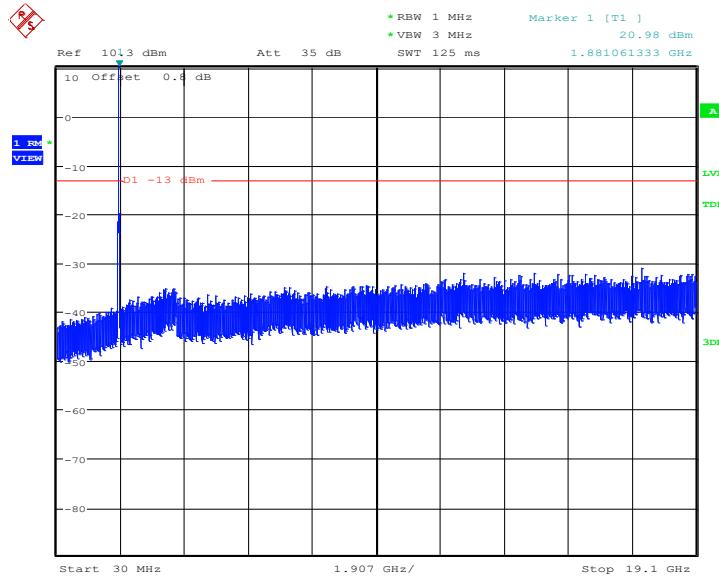
Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, 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.

A. 7.3 Measurement result

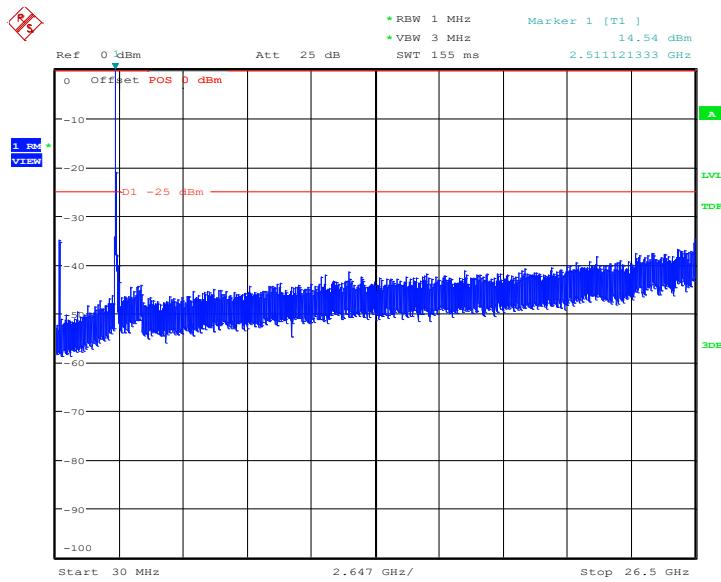
Only the worst case result is given below

n2



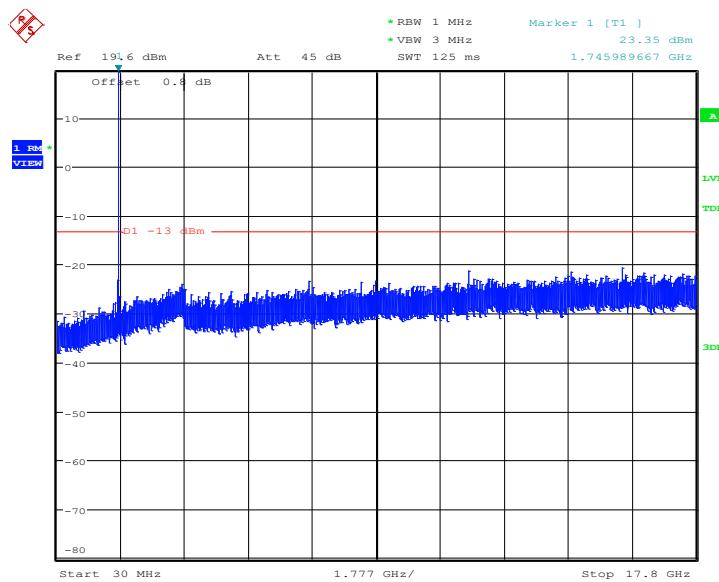
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n41



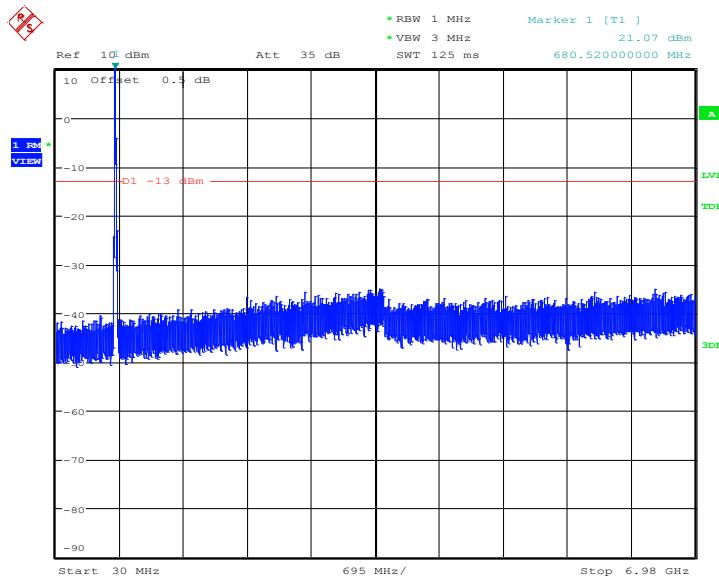
Date: 13.AUG.2020 17:19:30

n66



Date: 13.AUG.2020 17:29:24

n71



Date: 11.AUG.2020 14:29:26

A.8 Peak-to-Average Power Ratio

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

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

Measurement results

n2, 20MHz

Frequency (MHz)	PAPR (dB)							
	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
1880.0	6.99	7.31	7.40	7.44	8.17	8.21	8.24	8.81

n41, 100MHz

Frequency (MHz)	PAPR (dB)							
	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
2592.99	12.40	12.44	12.28	12.37	12.56	12.53	12.66	12.40

n66, 20MHz

Frequency (MHz)	PAPR (dB)							
	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
1745.0	6.96	7.18	7.24	7.31	8.01	8.08	8.17	8.49

n71, 20MHz

Frequency (MHz)	PAPR (dB)							
	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
680.5	6.79	7.05	7.08	7.12	8.08	8.11	8.14	8.33

Annex B: Accreditation Certificate

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 600118-0

Telecommunication Technology Labs, CAICT

Beijing
China

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Electromagnetic Compatibility & Telecommunications

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
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 January 2009).*

2019-09-26 through 2020-09-30

Effective Dates



For the National Voluntary Laboratory Accreditation Program



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