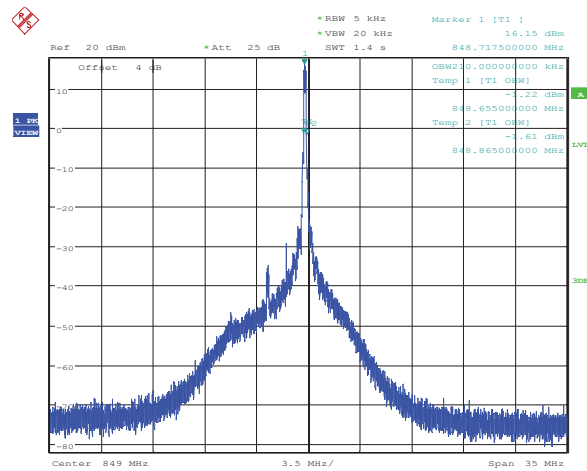
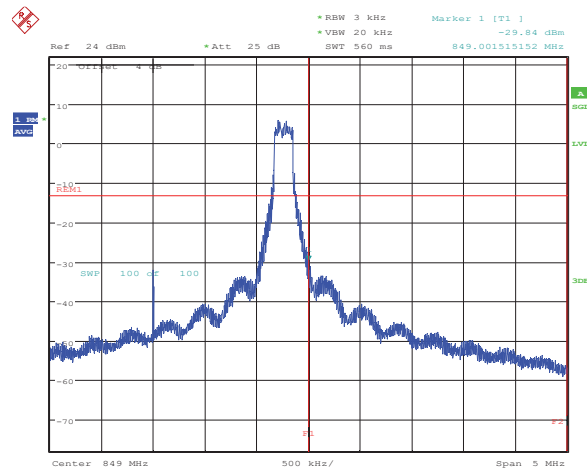




Date: 24.JAN.2025 13:44:32

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

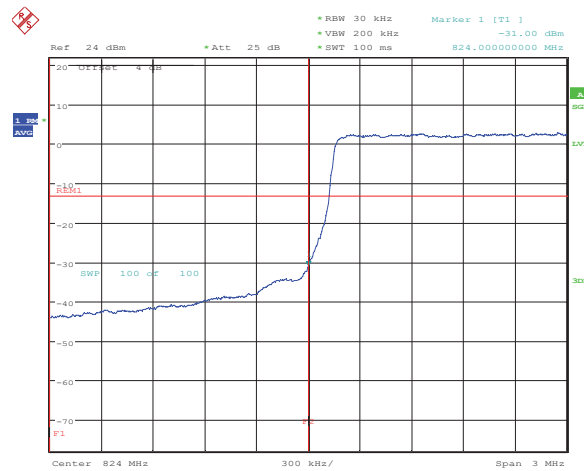


Date: 24.JAN.2025 13:45:39

LOW BAND EDGE BLOCK-3MHz-100%RB

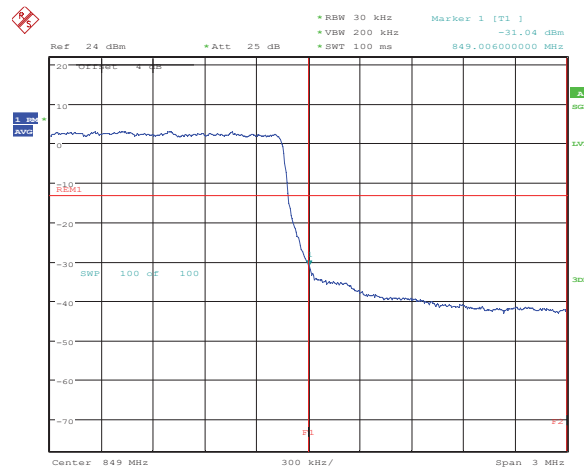
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Date: 24.JAN.2025 10:36:43

HIGH BAND EDGE BLOCK-3MHz-100%RB



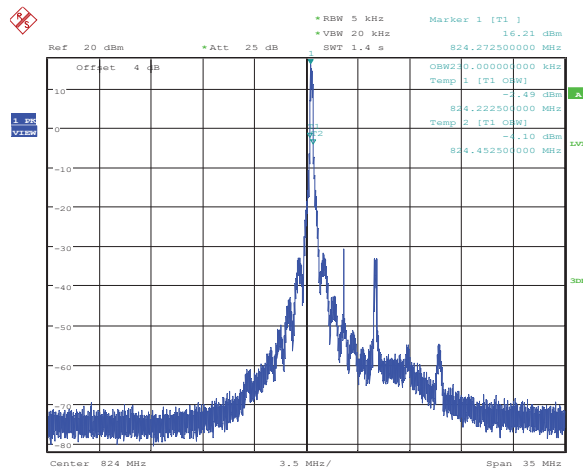
Date: 24.JAN.2025 10:38:47

LTE band 5-5MHz

OBW: 1RB-LOW_offset_5MHz

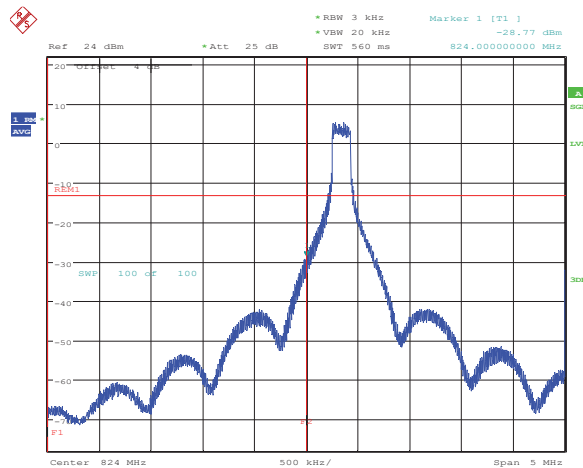
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Date: 24.JAN.2025 10:39:21

LOW BAND EDGE BLOCK-1RB-LOW_offset



Date: 24.JAN.2025 10:40:31

OBW: 1RB-HIGH_offset_5MHz

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[illegible]

•BW 3 kHz
•VBW 20 kHz
•SWT 500 ms
Marker 1 [T1] -29.11 dBm

Ref 24 dBm *Att 25 dB 849.00000000 MHz

20
10
0
-10
-20
-30
-40
-50
-60
-70

0 100 200 300 400 500 600 700 800 900 1000

Center 849 MHz 500 kHz / Span 5 MHz

Page 304 of 447



The screenshot displays a VectorStar spectrum analyzer interface. The main plot shows a noise floor at approximately -45 dBm and a signal at -31.31 dBm. The signal is identified as a 50 kHz tone. The plot is centered at 824 MHz with a 5 MHz span. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 100 kHz. The sweep time (SWT) is 100 ms. The plot is labeled with 'Ref' and 'Att' values. The signal is identified as 'Marker 1 [T1]'.

Key parameters displayed on the screen:

- Center: 824 MHz
- Span: 5 MHz
- RBW: 100 kHz
- VBW: 100 kHz
- SWT: 100 ms
- Marker 1 [T1]: -31.31 dBm
- Ref: 24 dBm
- Att: 25 dBm

Ref 24 dBm Att 25 dB

RBW 50 kHz VBW 300 kHz SWT 100 ms

Marker 1 [T1] -30.62 dBm 849.000000000 MHz

20 dBm

10

0

-10

-20

-30

-40

-50

-60

-70

RMS1

SWP 100 dB 100

F1

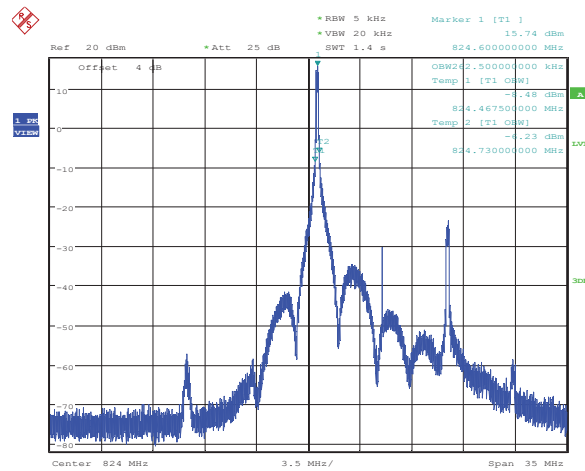
Center 849 MHz 500 kHz/ Span 5 MHz

1.000 AVG

ZOOM

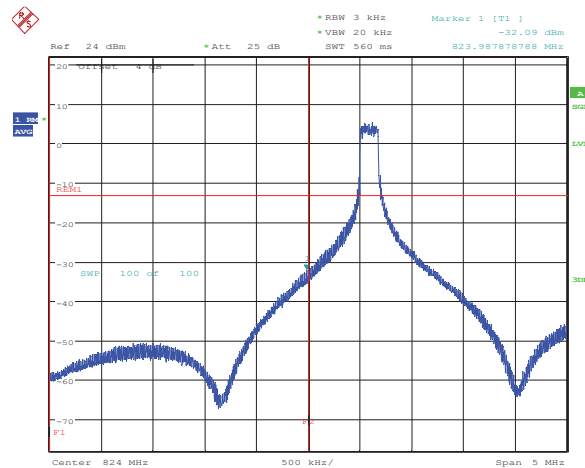
F2

Page 305 of 447



Date: 24.JAN.2025 10:44:24

LOW BAND EDGE BLOCK-1RB-LOW_offset

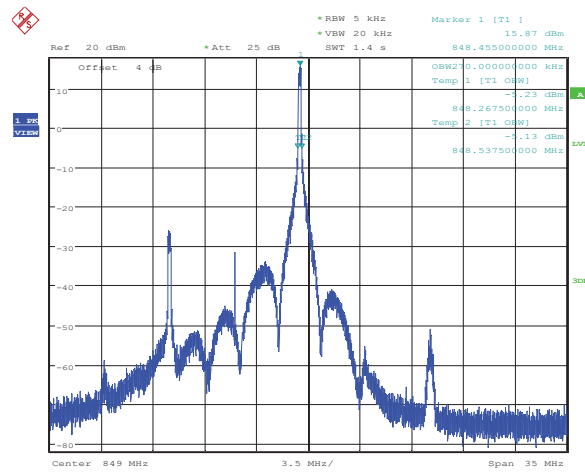


Date: 24.JAN.2025 10:45:39

OBW: 1RB-HIGH_offset_10MHz

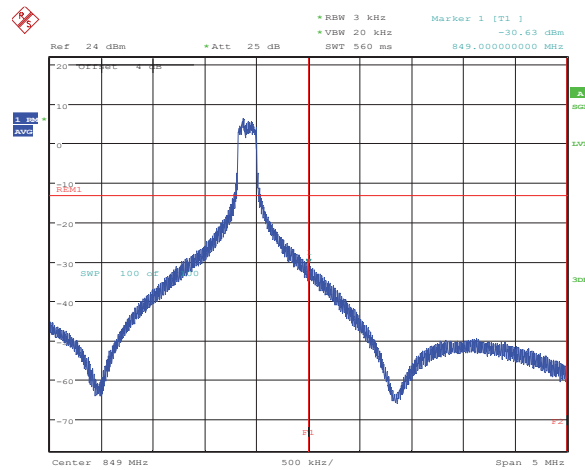
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Date: 24.JAN.2025 10:46:58

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

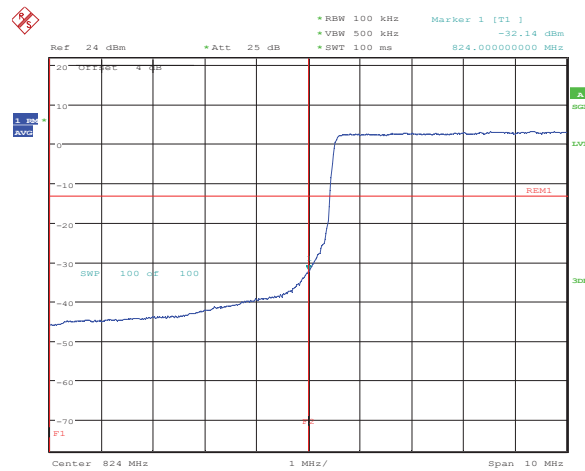


Date: 24.JAN.2025 10:48:28

LOW BAND EDGE BLOCK-10MHz-100%RB

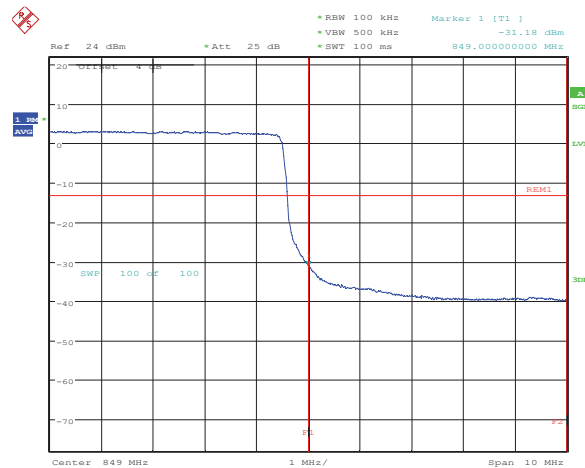
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Date: 24.JAN.2025 10:46:31

HIGH BAND EDGE BLOCK-10MHz-100%RB



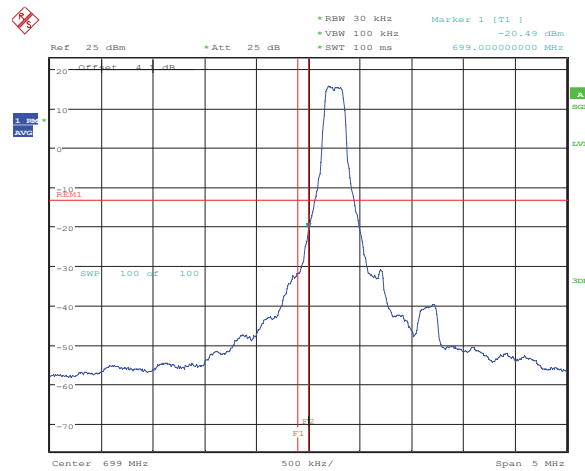
Date: 24.JAN.2025 10:49:22

LTE band 12-1.4MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

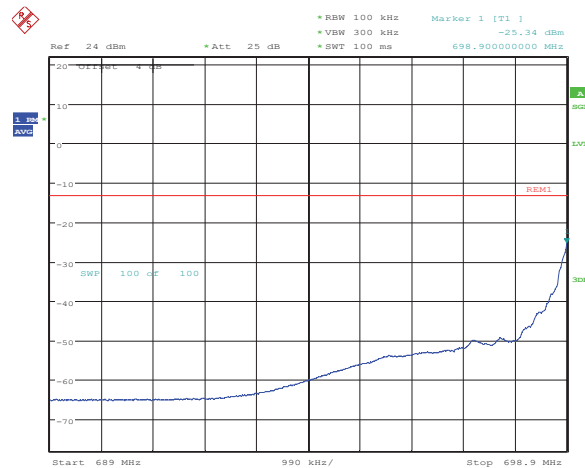
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Date: 24.JAN.2025 10:50:30

LOW BAND EDGE BLOCK-1RB-LOW_offset

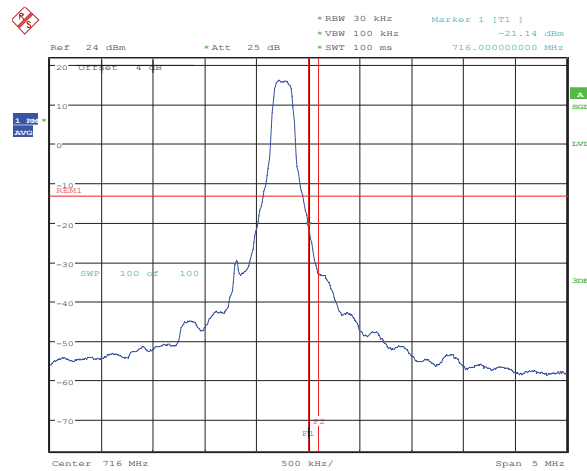


Date: 24.JAN.2025 10:51:21

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

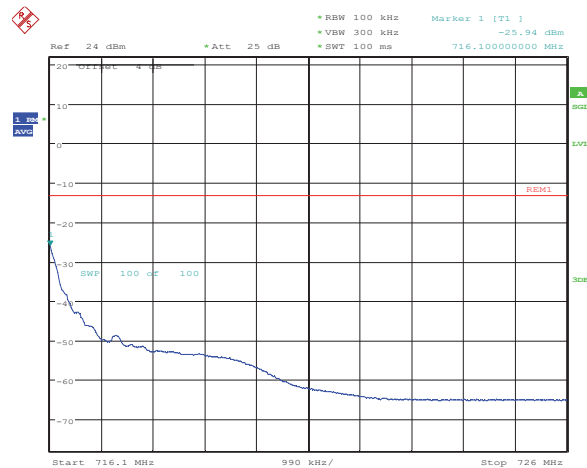
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Date: 24.JAN.2025 10:53:59

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

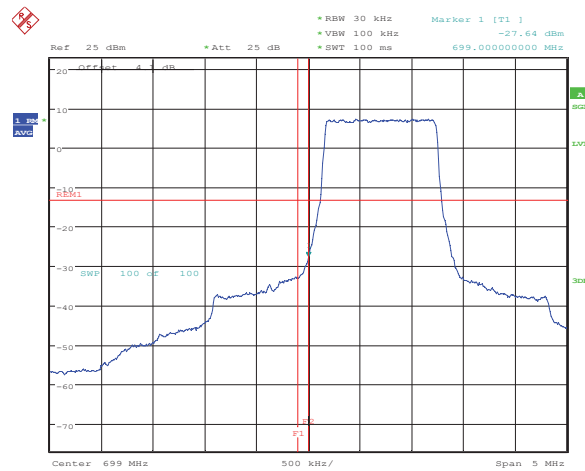


Date: 24.JAN.2025 10:54:49

LOW BAND EDGE BLOCK-1.4MHz-100%RB

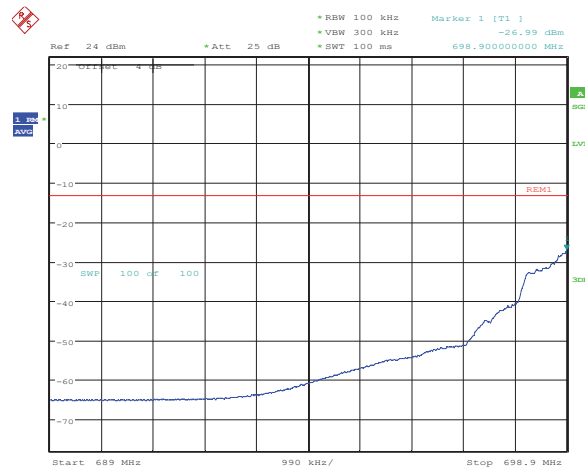
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Date: 24.JAN.2025 10:52:13

LOW BAND EDGE BLOCK-1.4MHz-100%RB

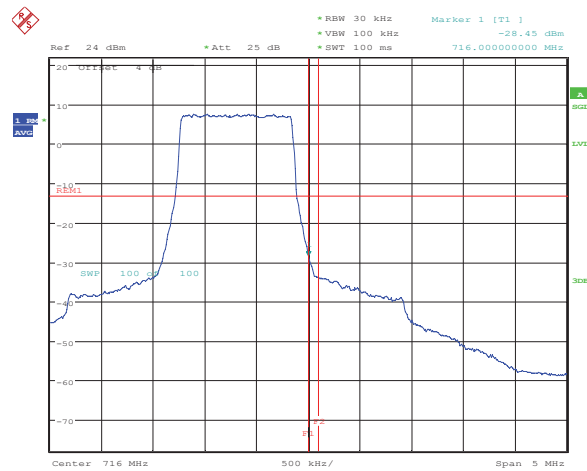


Date: 24.JAN.2025 10:53:03

HIGH BAND EDGE BLOCK-1.4MHz-100%RB

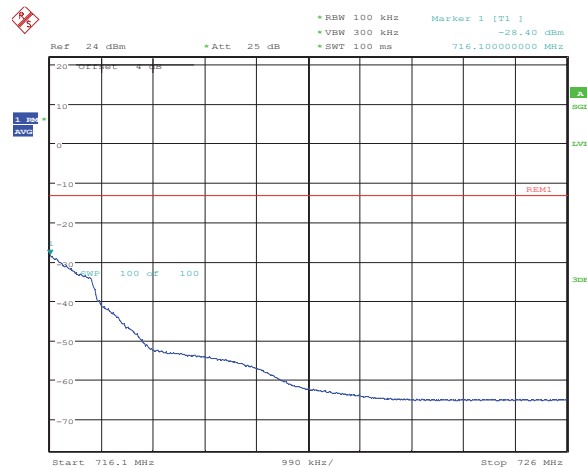
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Date: 24.JAN.2025 10:55:40

HIGH BAND EDGE BLOCK-1.4MHz-100%RB



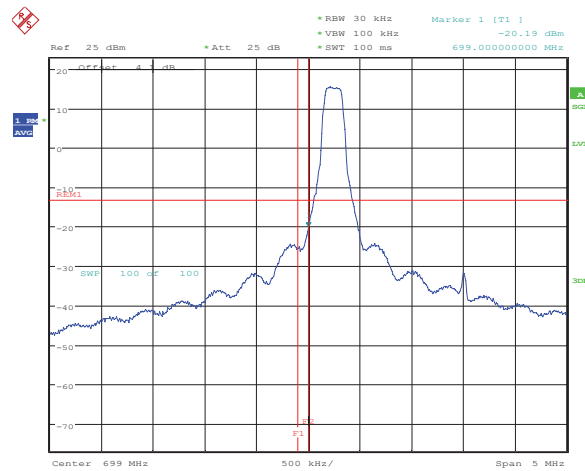
Date: 24.JAN.2025 10:56:31

LTE band 12-3MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

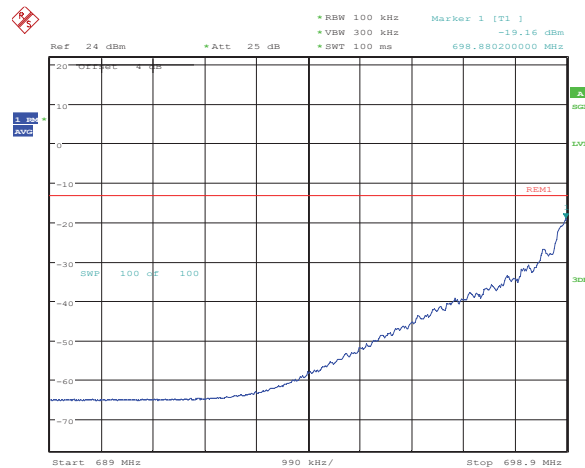
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Date: 24.JAN.2025 10:57:34

LOW BAND EDGE BLOCK-1RB-LOW_offset

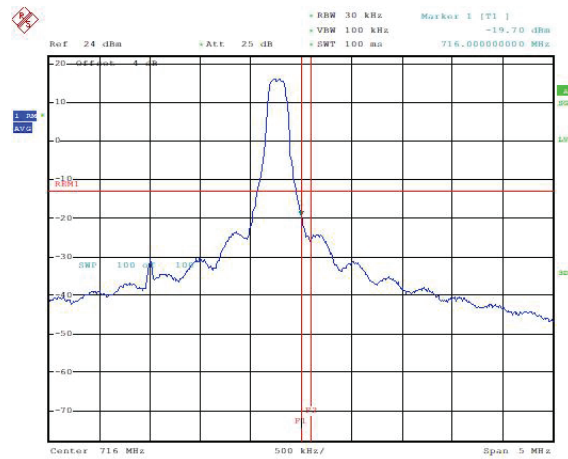


Date: 24.JAN.2025 10:58:25

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

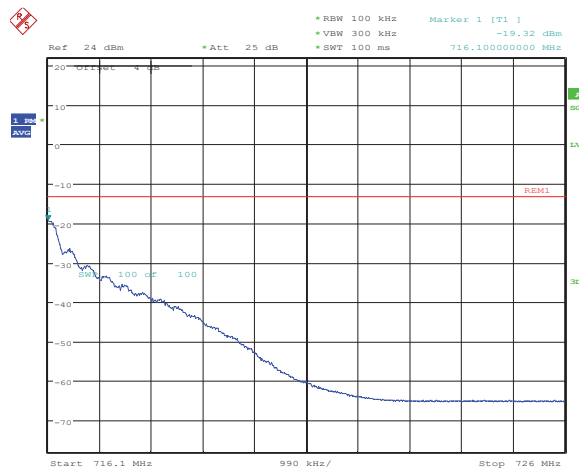
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Date: 24.JAN.2025 11:01:02

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

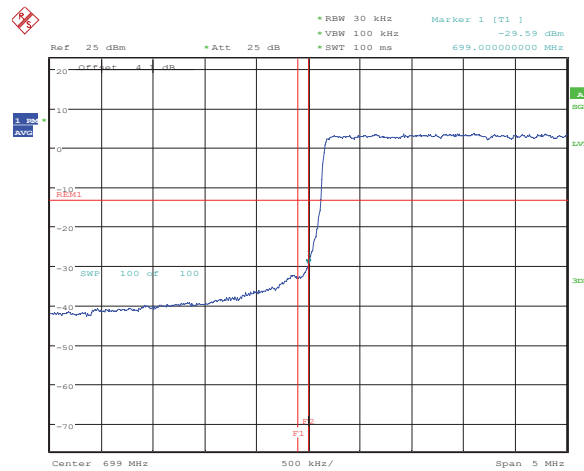


Date: 24.JAN.2025 11:01:53

LOW BAND EDGE BLOCK-3MHz-100%RB

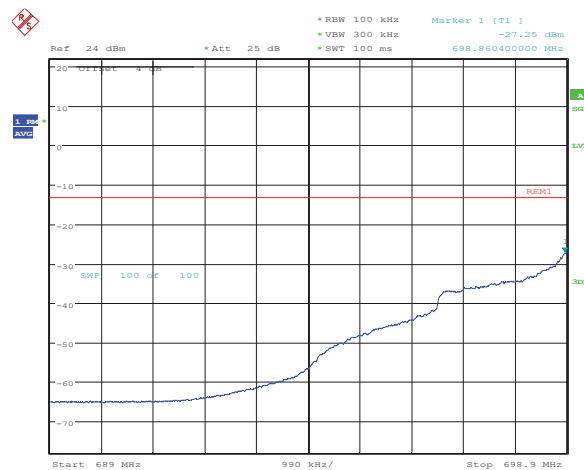
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Date: 24.JAN.2025 10:59:16

LOW BAND EDGE BLOCK-3MHz-100%RB

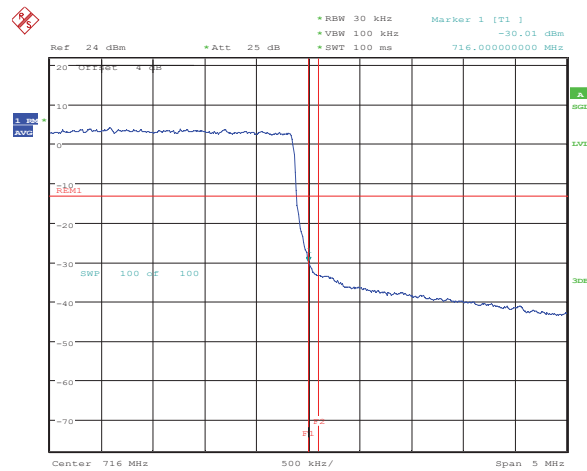


Date: 24.JAN.2025 11:00:07

HIGH BAND EDGE BLOCK-3MHz-100%RB

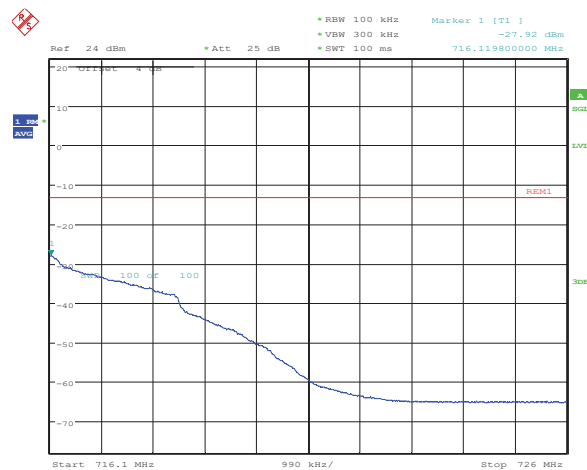
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Date: 24.JAN.2025 11:02:46

HIGH BAND EDGE BLOCK-3MHz-100%RB



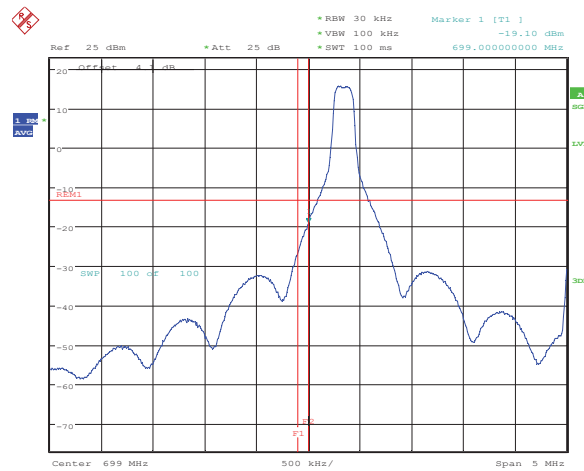
Date: 24.JAN.2025 11:03:37

LTE band 12-5MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

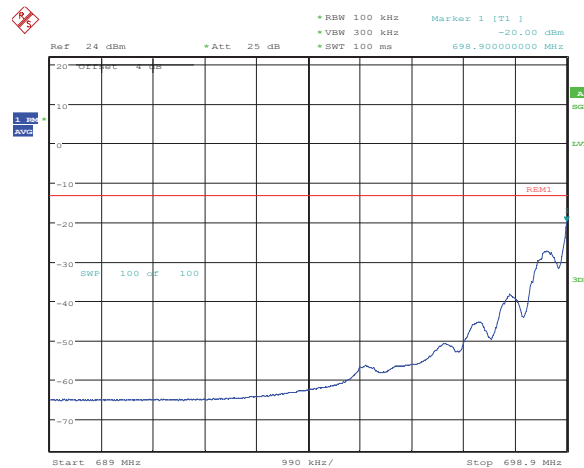
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Date: 24.JAN.2025 11:04:43

LOW BAND EDGE BLOCK-1RB-LOW_offset

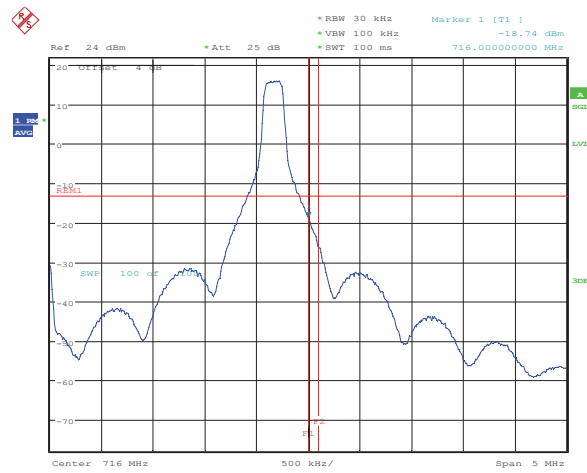


Date: 24.JAN.2025 11:05:34

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

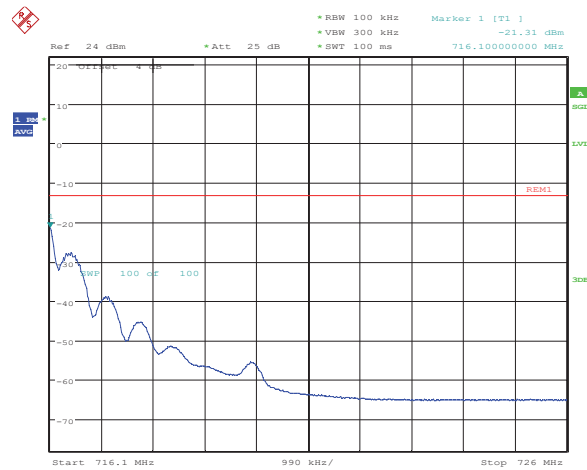
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Date: 24.JAN.2025 11:08:17

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

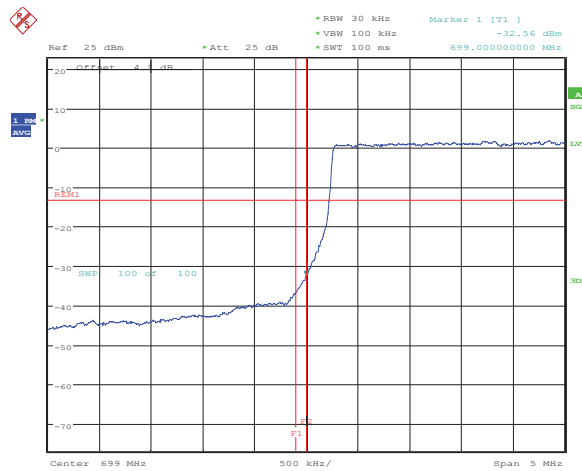


Date: 24.JAN.2025 11:09:07

LOW BAND EDGE BLOCK-5MHz-100%RB

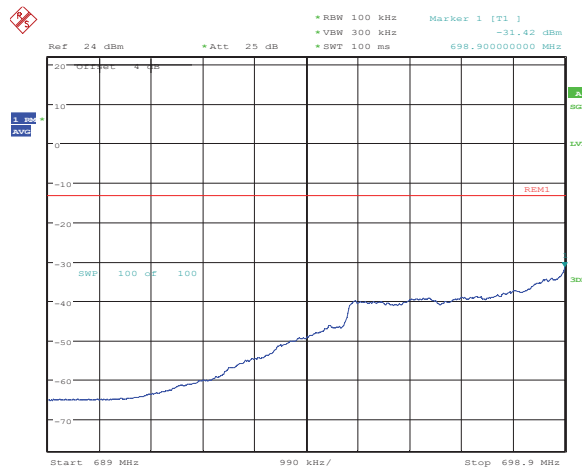
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Date: 24.JAN.2025 11:06:31

LOW BAND EDGE BLOCK-5MHz-100%RB

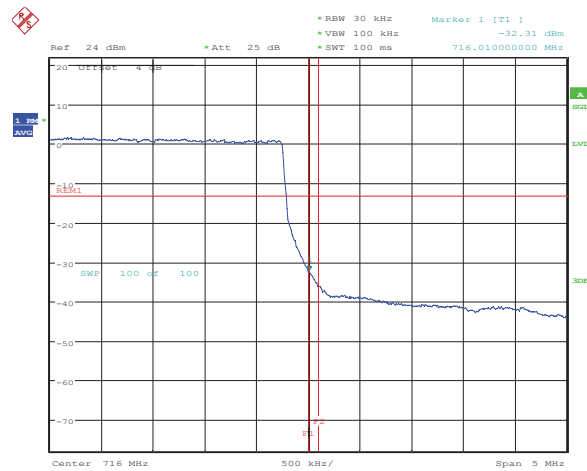


Date: 24.JAN.2025 11:07:21

HIGH BAND EDGE BLOCK-5MHz-100%RB

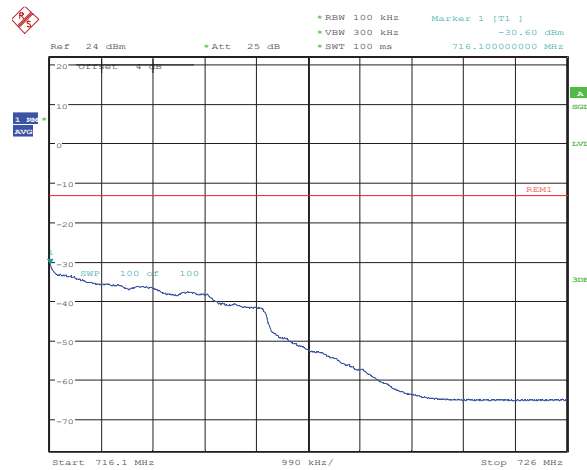
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Date: 24.JAN.2025 11:09:58

HIGH BAND EDGE BLOCK-5MHz-100%RB



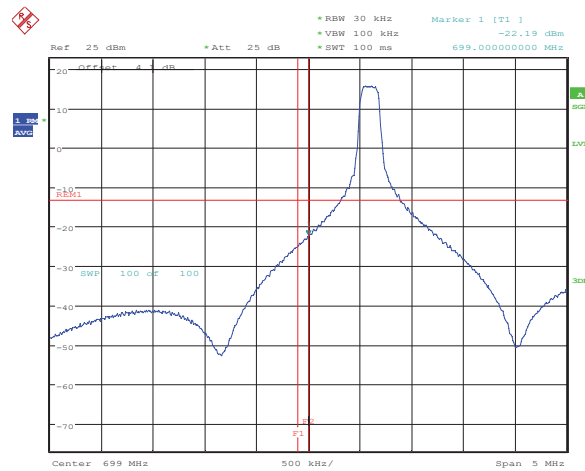
Date: 24.JAN.2025 11:10:48

LTE band 12-10MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

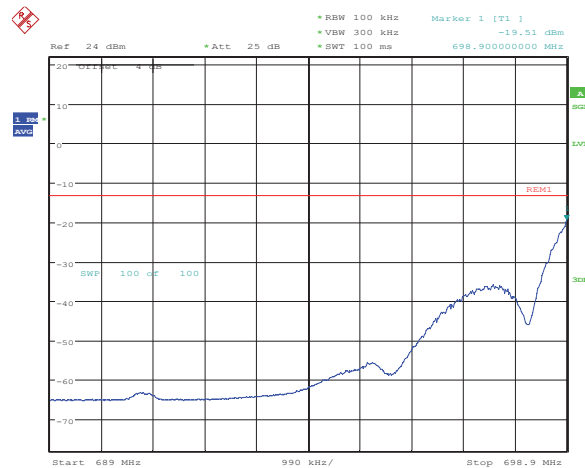
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Date: 24.JAN.2025 11:11:55

LOW BAND EDGE BLOCK-1RB-LOW_offset

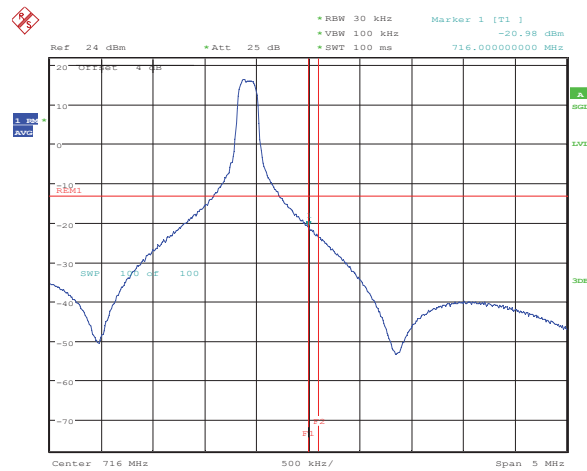


Date: 24.JAN.2025 11:12:46

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

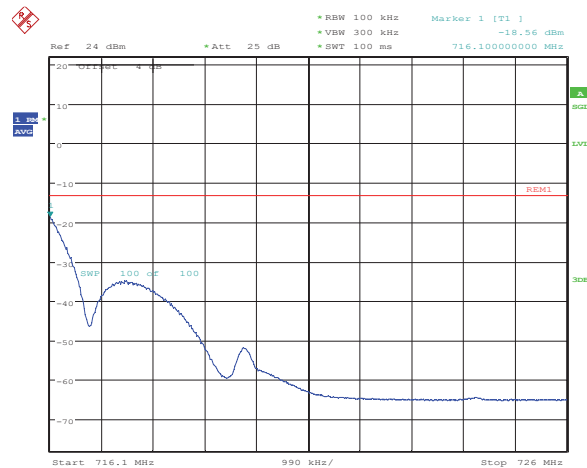
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Date: 24.JAN.2025 11:15:24

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

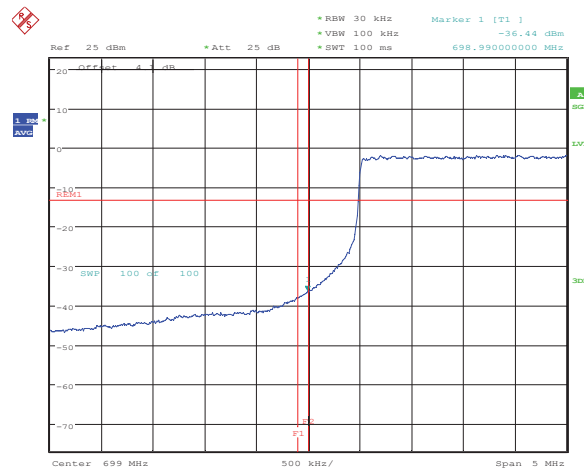


Date: 24.JAN.2025 11:16:14

LOW BAND EDGE BLOCK-10MHz-100%RB

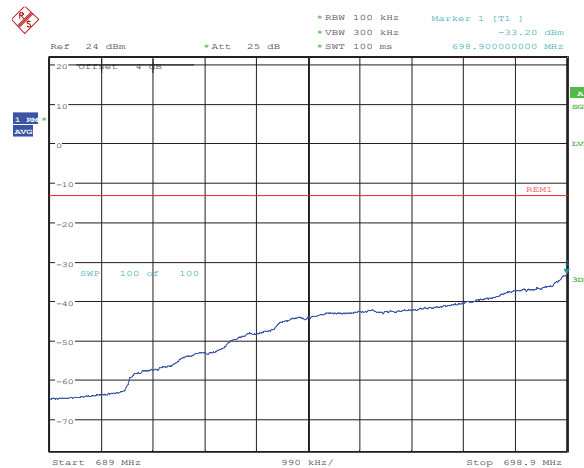
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Date: 24.JAN.2025 11:13:37

LOW BAND EDGE BLOCK-10MHz-100%RB

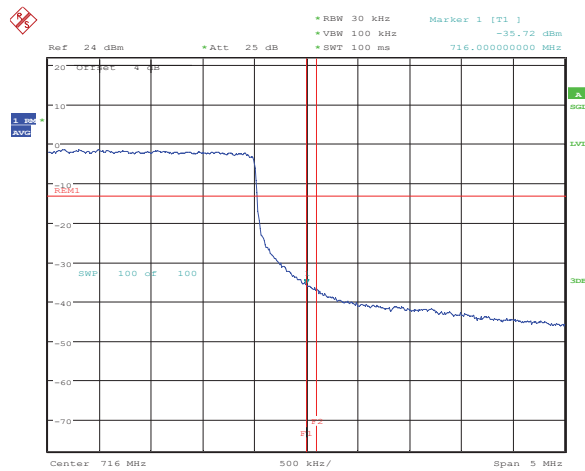


Date: 24.JAN.2025 11:14:28

HIGH BAND EDGE BLOCK-10MHz-100%RB

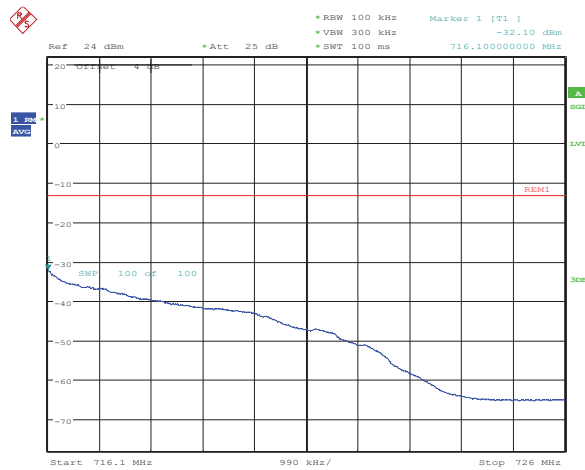
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Date: 24.JAN.2025 11:17:05

HIGH BAND EDGE BLOCK-10MHz-100%RB



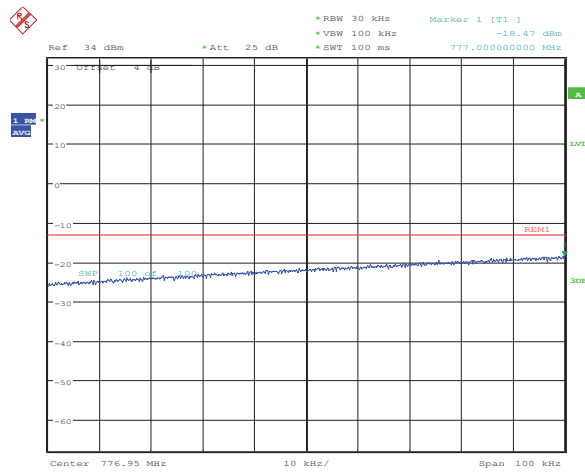
Date: 24.JAN.2025 11:17:55

LTE band 13-5MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

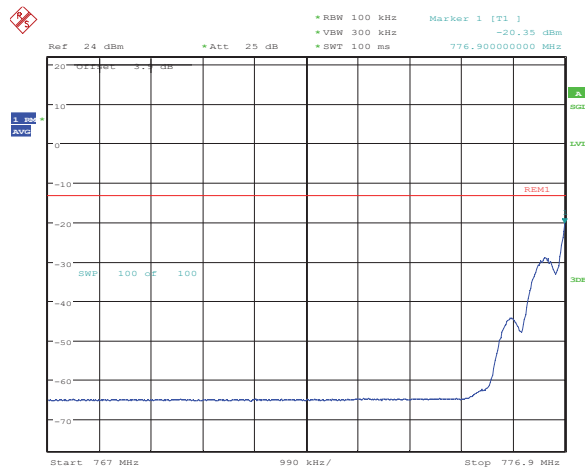
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Date: 24.JAN.2025 11:19:04

LOW BAND EDGE BLOCK-1RB-LOW_offset

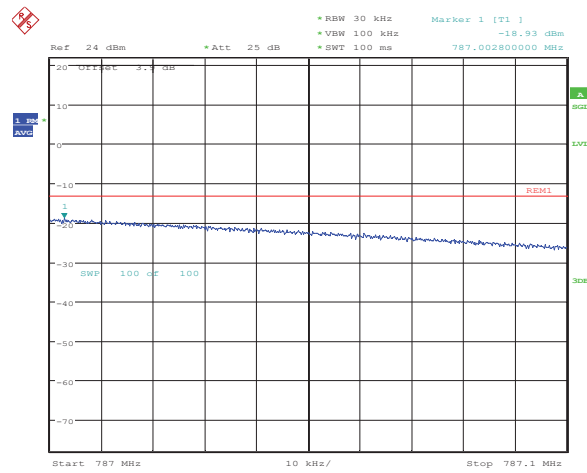


Date: 24.JAN.2025 11:19:55

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

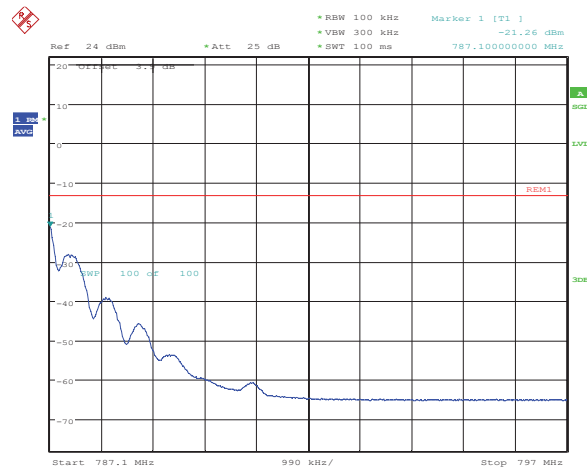
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Date: 24.JAN.2025 11:22:33

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

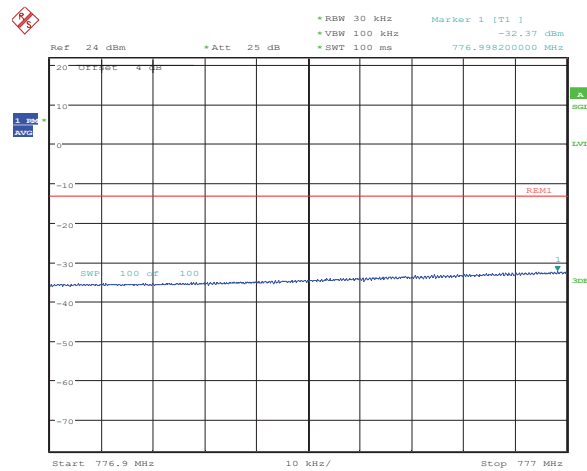


Date: 24.JAN.2025 11:23:25

LOW BAND EDGE BLOCK-5MHz-100%RB

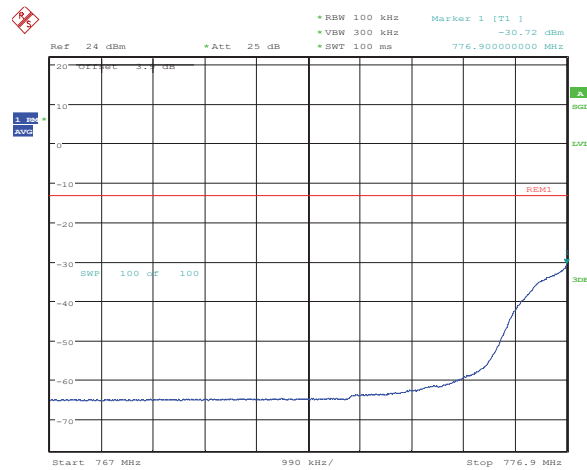
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Date: 24.JAN.2025 11:20:46

LOW BAND EDGE BLOCK-5MHz-100%RB

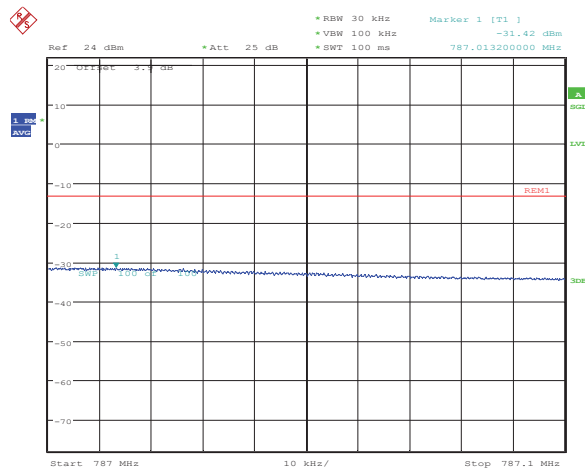


Date: 24.JAN.2025 11:21:37

HIGH BAND EDGE BLOCK-5MHz-100%RB

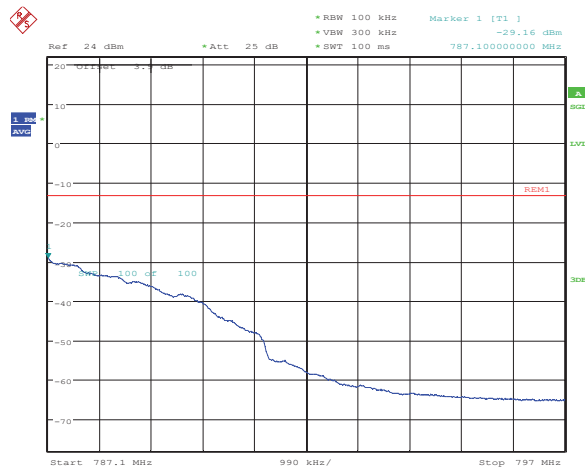
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 11:24:19

HIGH BAND EDGE BLOCK-5MHz-100%RB



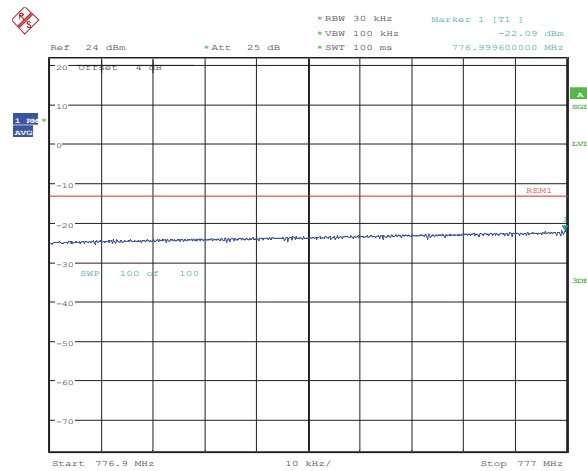
Date: 24.JAN.2025 11:25:10

LTE band 13-10MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

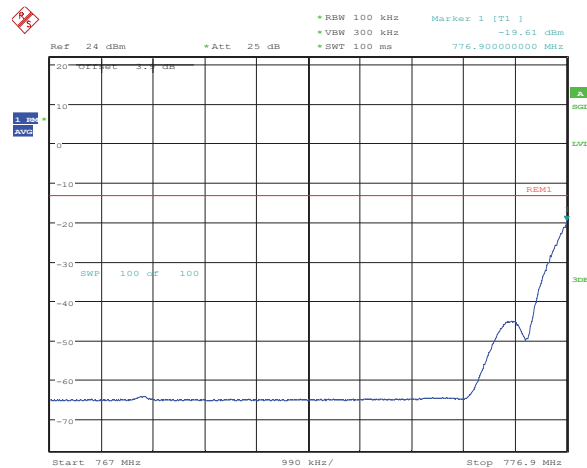
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Date: 24.JAN.2025 11:26:14

LOW BAND EDGE BLOCK-1RB-LOW_offset

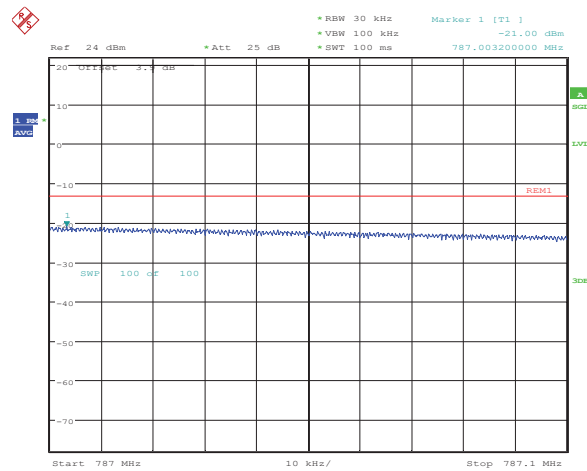


Date: 24.JAN.2025 11:27:05

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

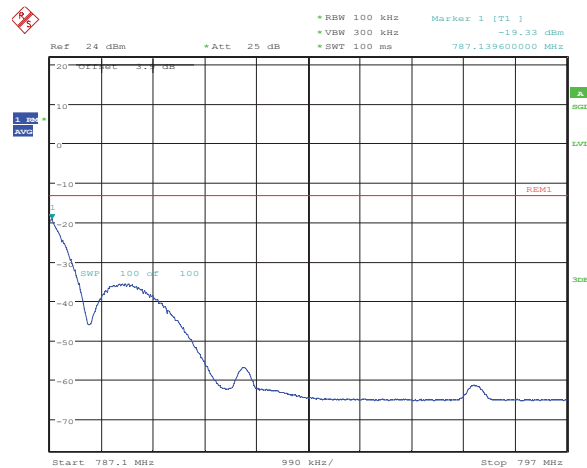
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Date: 24.JAN.2025 11:29:39

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

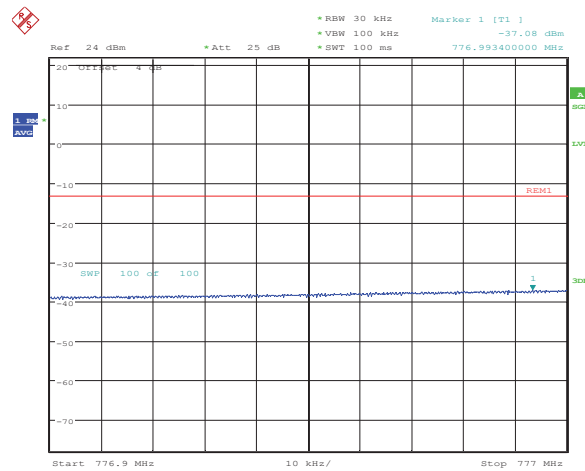


Date: 24.JAN.2025 11:30:30

LOW BAND EDGE BLOCK-10MHz-100%RB

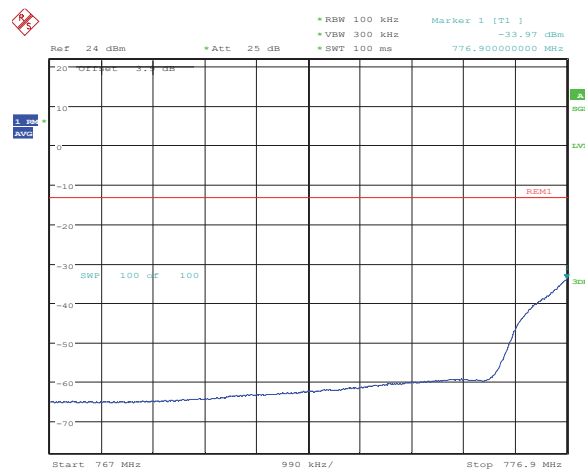
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 11:27:56

LOW BAND EDGE BLOCK-10MHz-100%RB

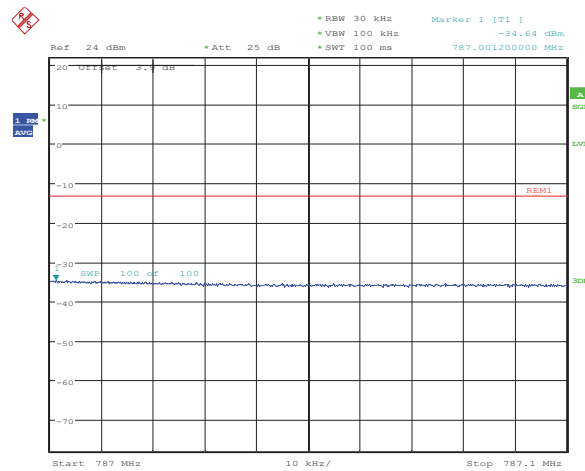


Date: 24.JAN.2025 11:28:47

HIGH BAND EDGE BLOCK-10MHz-100%RB

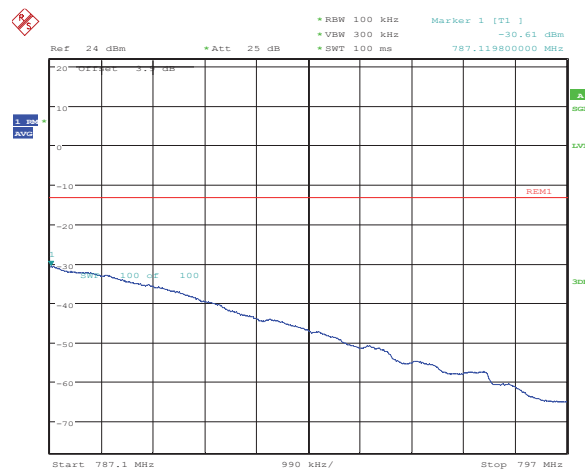
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Date: 24.JAN.2025 11:31:21

HIGH BAND EDGE BLOCK-10MHz-100%RB



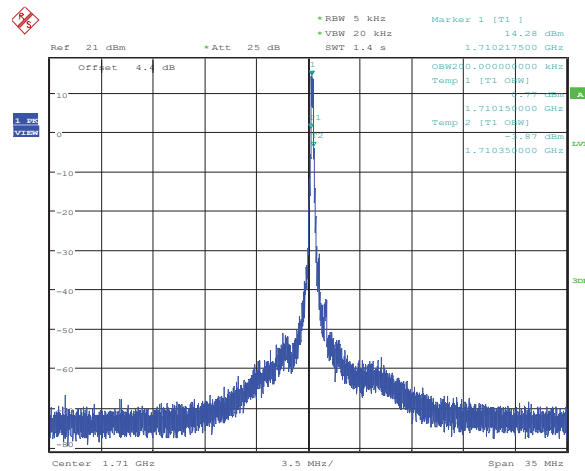
Date: 24.JAN.2025 11:32:12

LTE band 66-1.4MHz

OBW: 1RB-LOW_offset_1.4MHz

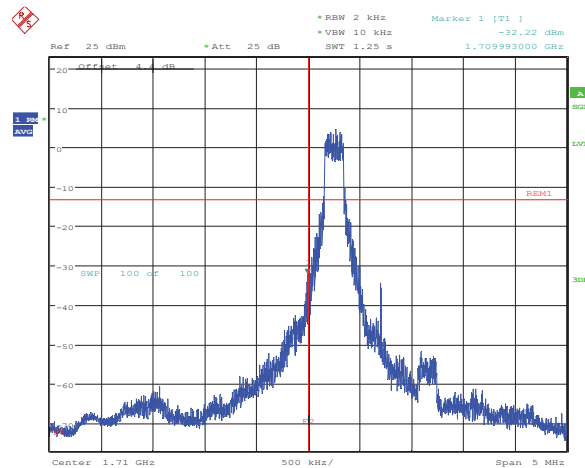
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Date: 24.JAN.2025 11:32:51

LOW BAND EDGE BLOCK-1RB-LOW_offset

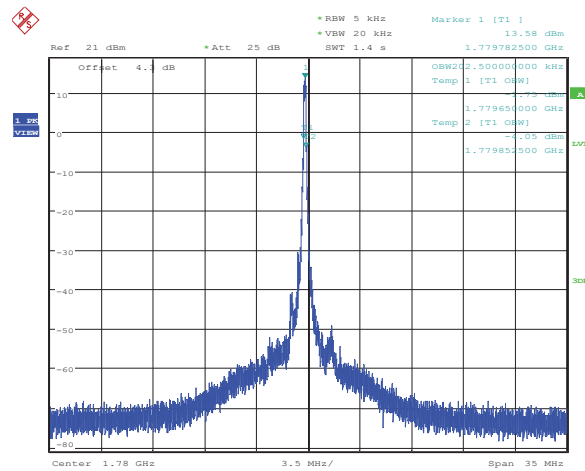


Date: 24.JAN.2025 11:37:10

OBW: 1RB-HIGH_offset_1.4MHz

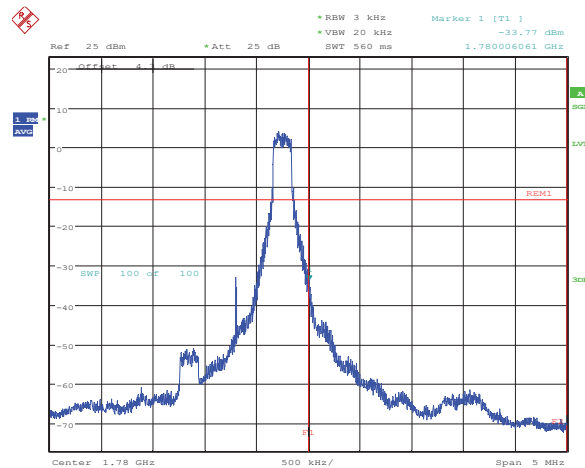
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 11:38:32

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

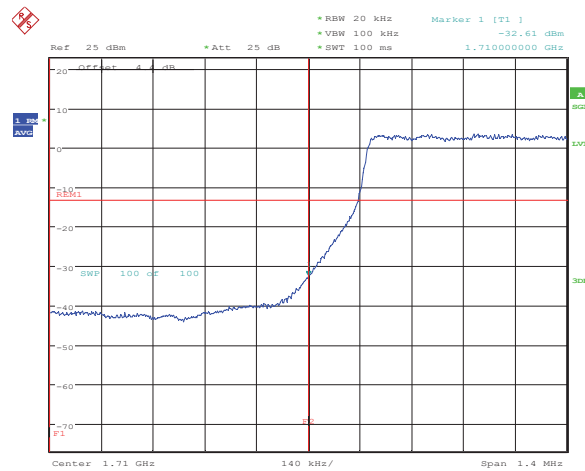


Date: 24.JAN.2025 11:39:42

LOW BAND EDGE BLOCK-1.4MHz-100%RB

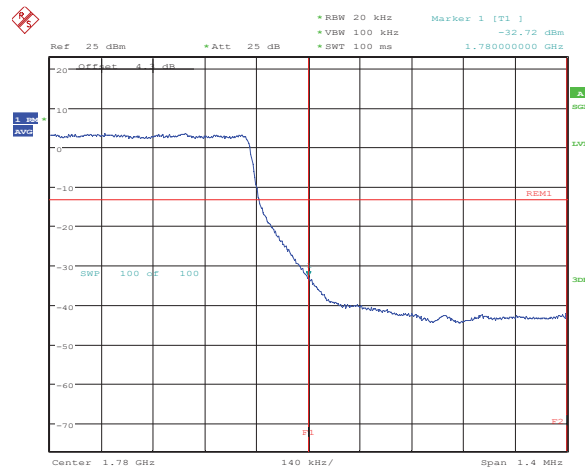
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Date: 24.JAN.2025 11:38:05

HIGH BAND EDGE BLOCK-1.4MHz-100%RB



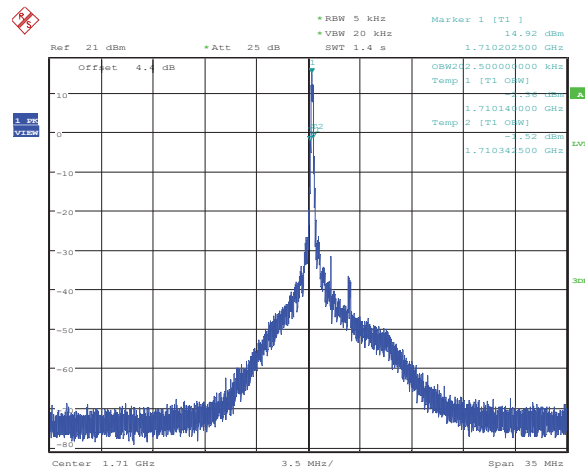
Date: 24.JAN.2025 11:40:35

LTE band 66-3MHz

OBW: 1RB-LOW_offset_3MHz

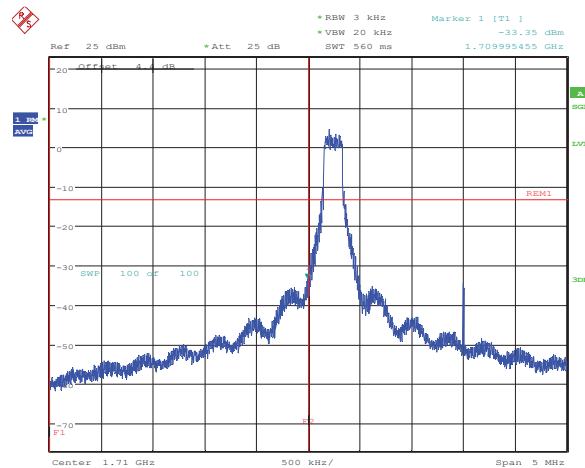
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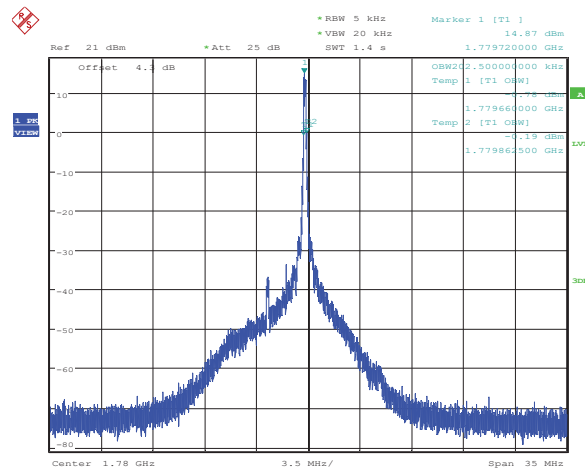
Date: 24.JAN.2025 11:41:09

LOW BAND EDGE BLOCK-1RB-LOW_offset



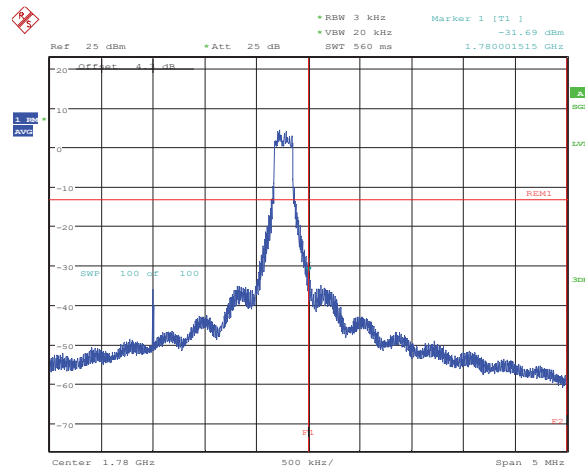
Date: 24.JAN.2025 11:43:04

OBW: 1RB-HIGH_offset_3MHz



Date: 24.JAN.2025 11:44:26

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

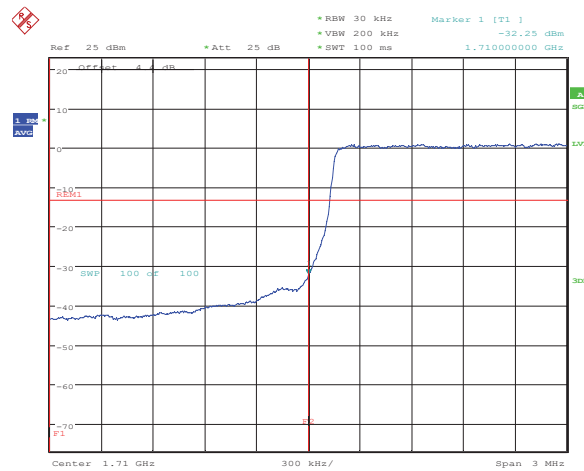


Date: 24.JAN.2025 11:45:33

LOW BAND EDGE BLOCK-3MHz-100%RB

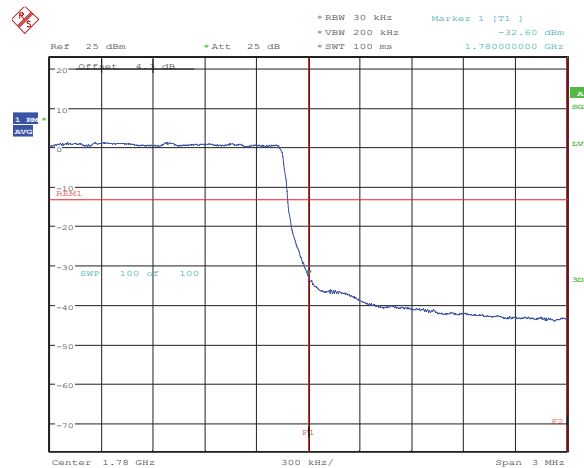
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Date: 24.JAN.2025 11:43:59

HIGH BAND EDGE BLOCK-3MHz-100%RB



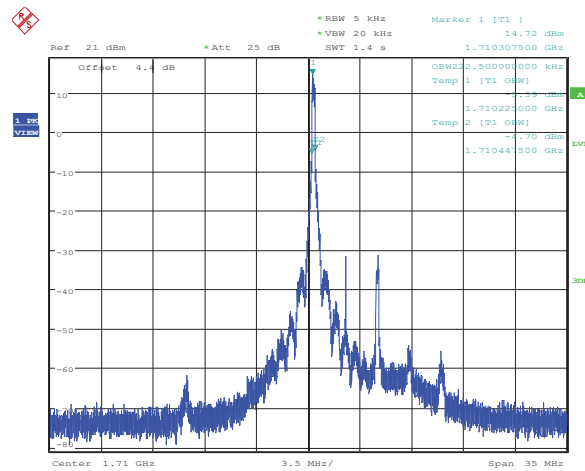
Date: 24.JAN.2025 11:46:25

LTE band 66-5MHz

OBW: 1RB-LOW_offset_5MHz

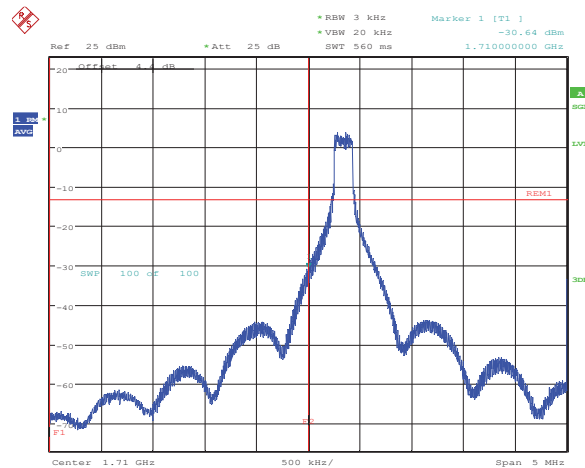
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 11:46:59

LOW BAND EDGE BLOCK-1RB-LOW_offset

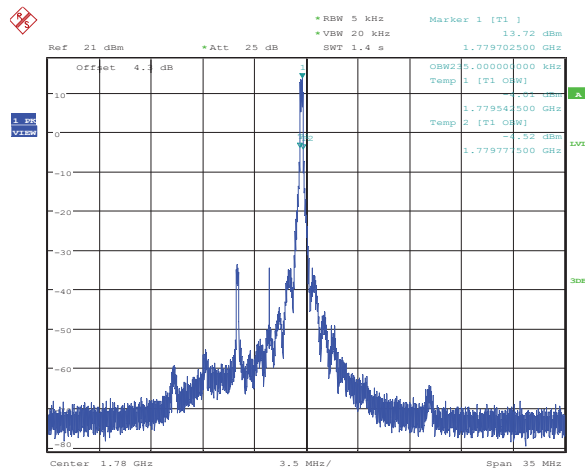


Date: 24.JAN.2025 11:48:11

OBW: 1RB-HIGH_offset_5MHz

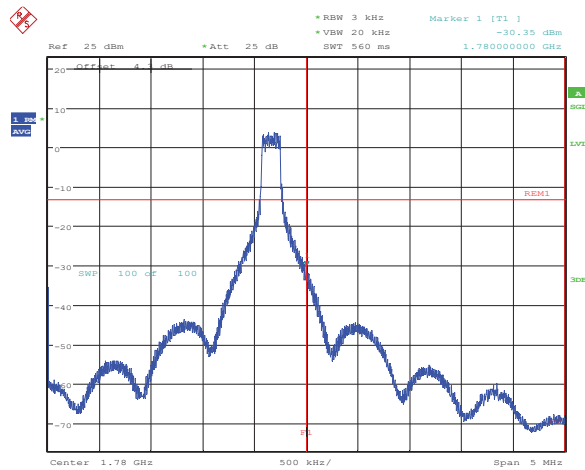
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Date: 24.JAN.2025 11:49:30

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

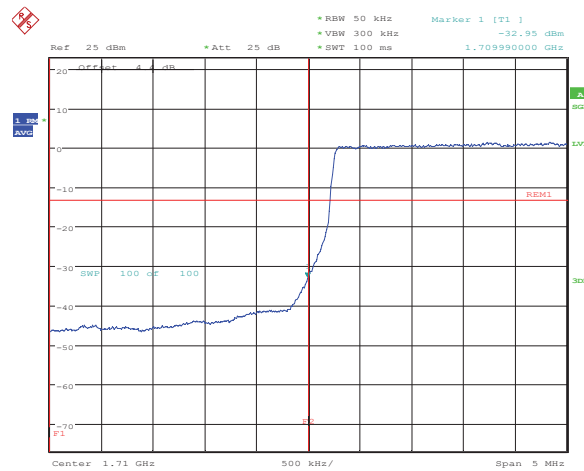


Date: 24.JAN.2025 11:50:38

LOW BAND EDGE BLOCK-5MHz-100%RB

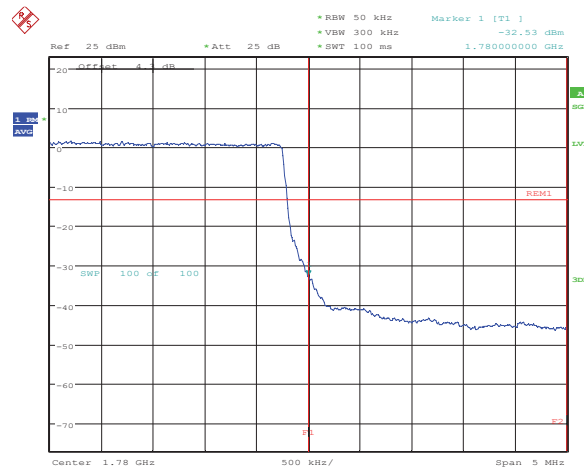
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 11:49:03

HIGH BAND EDGE BLOCK-5MHz-100%RB



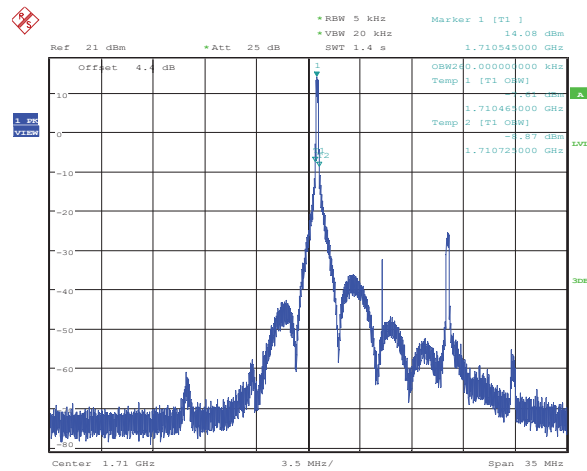
Date: 24.JAN.2025 11:51:31

LTE band 66-10MHz

OBW: 1RB-LOW_offset_10MHz

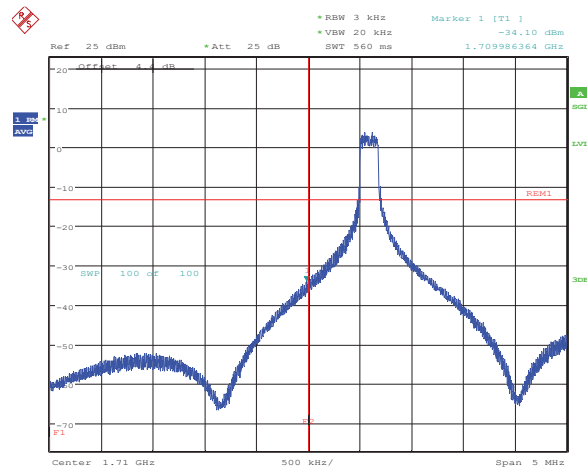
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Date: 24.JAN.2025 11:52:06

LOW BAND EDGE BLOCK-1RB-LOW_offset

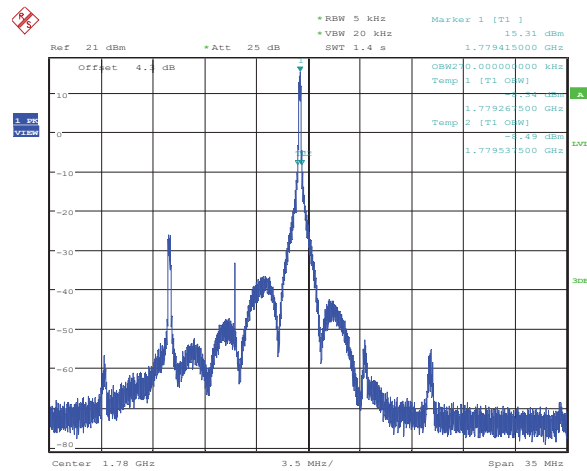


Date: 24.JAN.2025 11:53:31

OBW: 1RB-HIGH_offset_10MHz

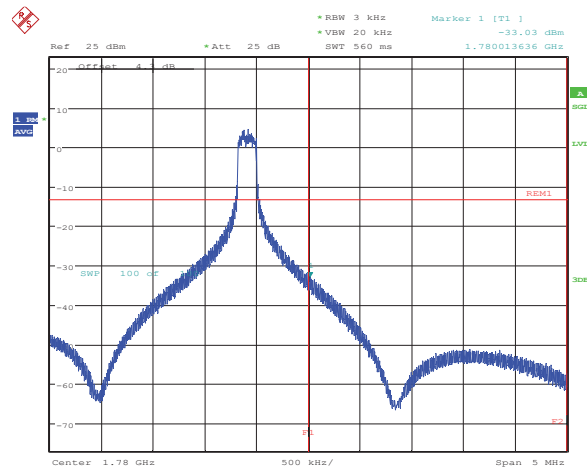
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 11:54:51

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

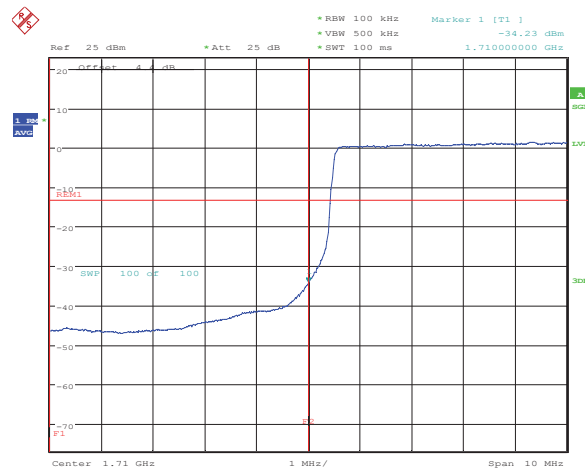


Date: 24.JAN.2025 11:56:25

LOW BAND EDGE BLOCK-10MHz-100%RB

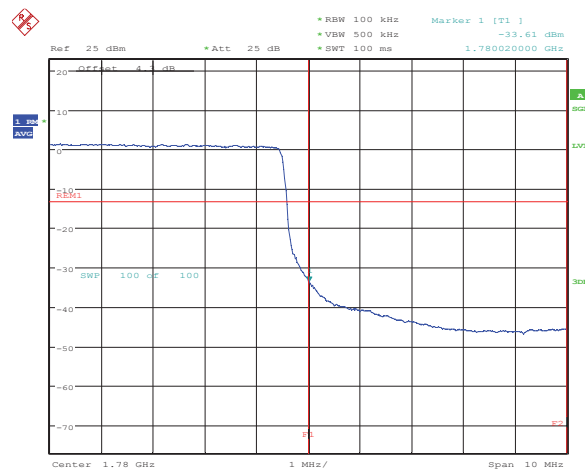
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Date: 24.JAN.2025 11:54:24

HIGH BAND EDGE BLOCK-10MHz-100%RB



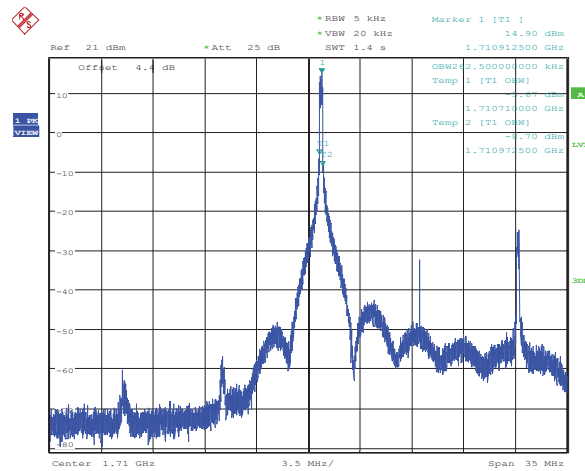
Date: 24.JAN.2025 11:57:18

LTE band 66-15MHz

OBW: 1RB-LOW_offset_15MHz

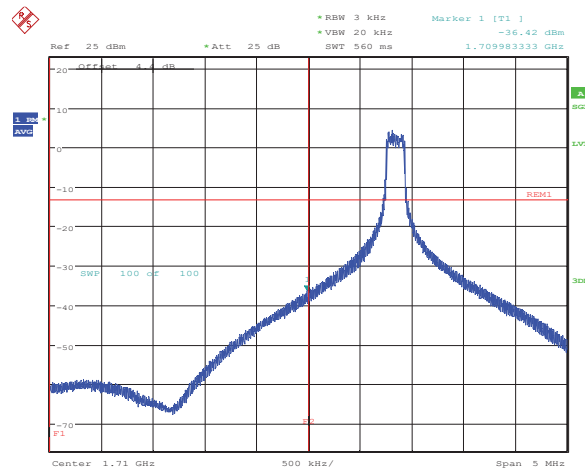
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Date: 24.JAN.2025 13:46:20

LOW BAND EDGE BLOCK-1RB-LOW_offset

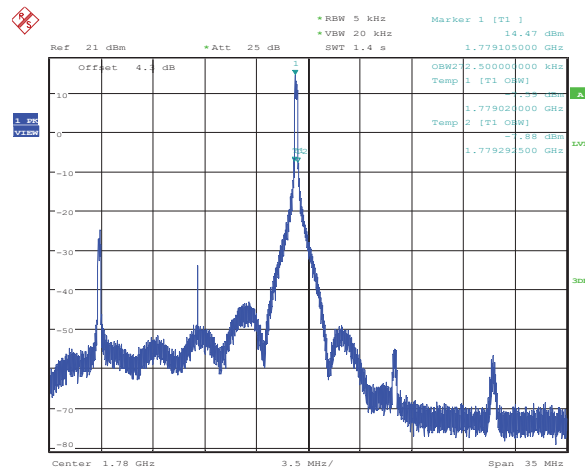


Date: 24.JAN.2025 13:47:28

OBW: 1RB-HIGH_offset_15MHz

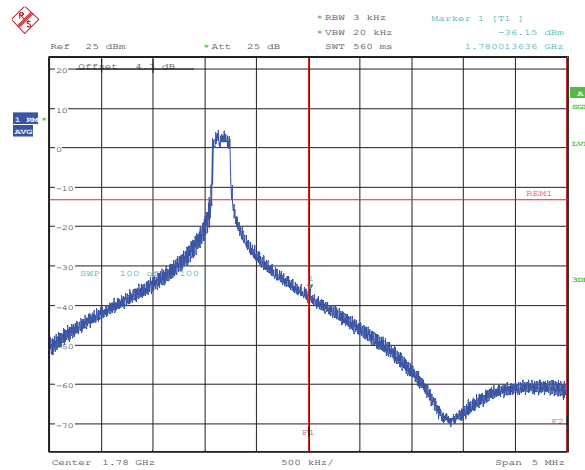
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Date: 24.JAN.2025 12:00:08

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

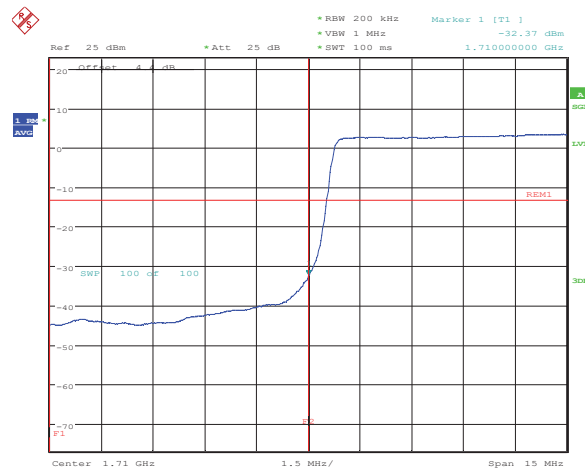


Date: 24.JAN.2025 12:02:00

LOW BAND EDGE BLOCK-15MHz-100%RB

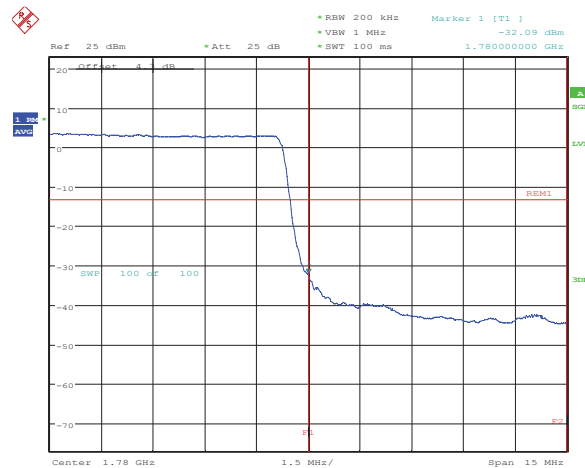
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Date: 24.JAN.2025 11:59:41

HIGH BAND EDGE BLOCK-15MHz-100%RB



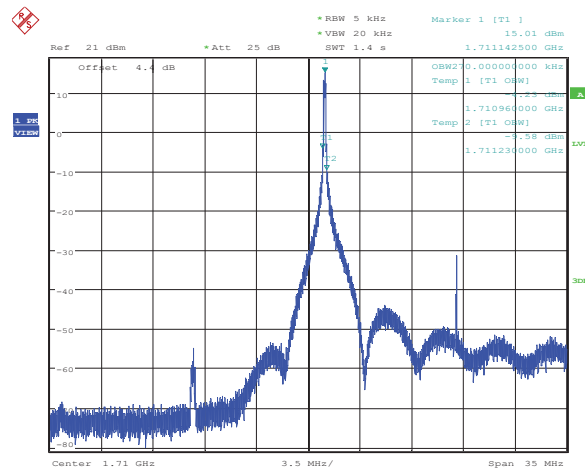
Date: 24.JAN.2025 12:02:53

LTE band 66-20MHz

OBW: 1RB-LOW_offset_20MHz

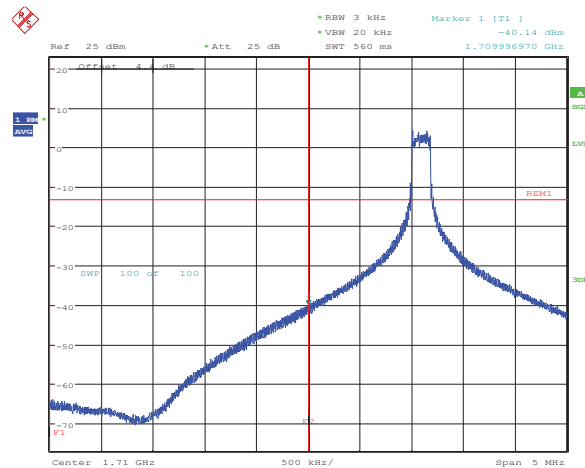
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Date: 24.JAN.2025 12:03:28

LOW BAND EDGE BLOCK-1RB-LOW_offset

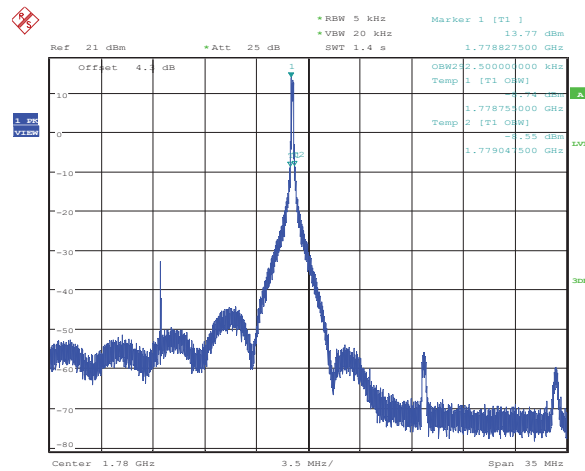


Date: 24.JAN.2025 12:04:54

OBW: 1RB-HIGH_offset_20MHz

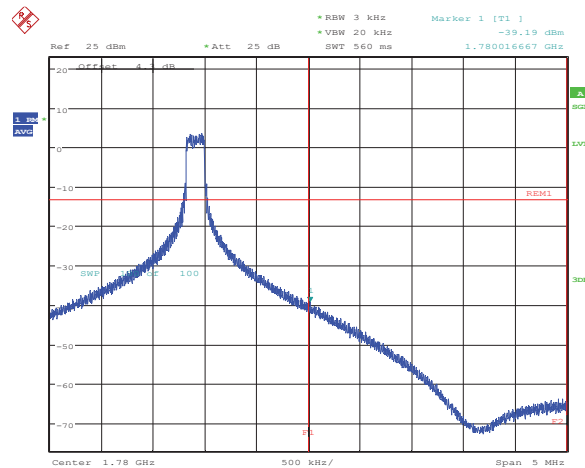
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Date: 24.JAN.2025 12:06:18

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

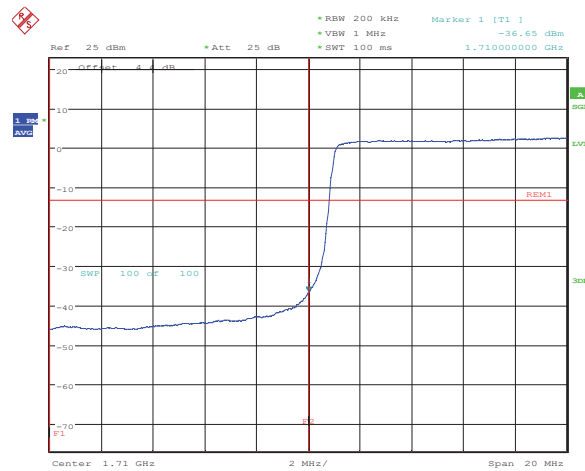


Date: 24.JAN.2025 12:08:08

LOW BAND EDGE BLOCK-20MHz-100%RB

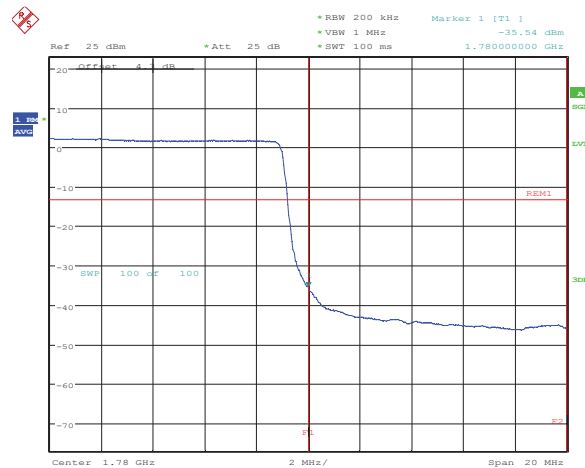
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Date: 24.JAN.2025 12:05:49

HIGH BAND EDGE BLOCK-20MHz-100%RB



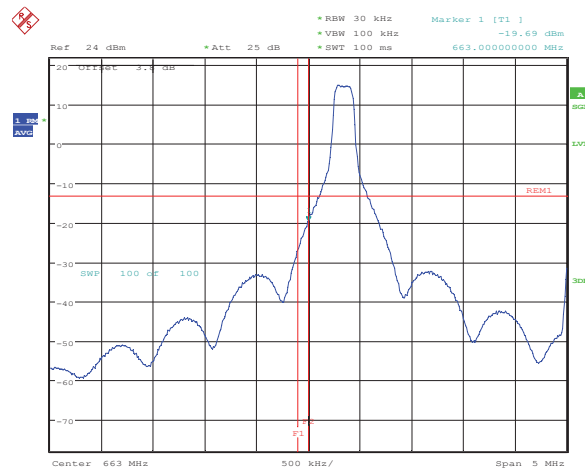
Date: 24.JAN.2025 12:09:03

LTE band 71-5MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

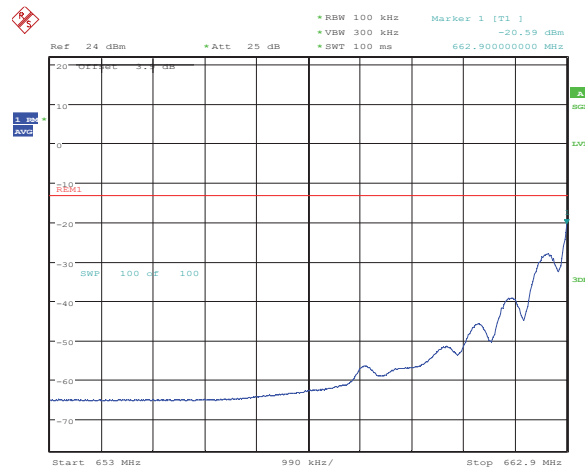
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Date: 24.JAN.2025 12:10:34

LOW BAND EDGE BLOCK-1RB-LOW_offset

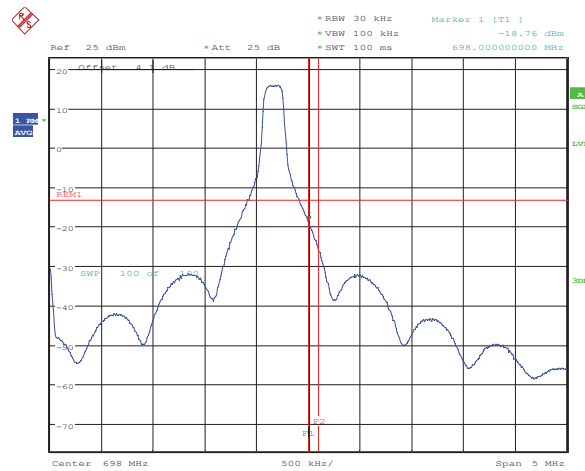


Date: 24.JAN.2025 12:11:26

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

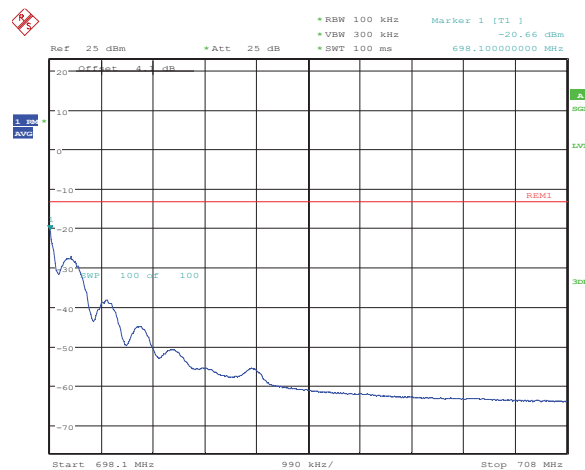
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 12:14:08

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

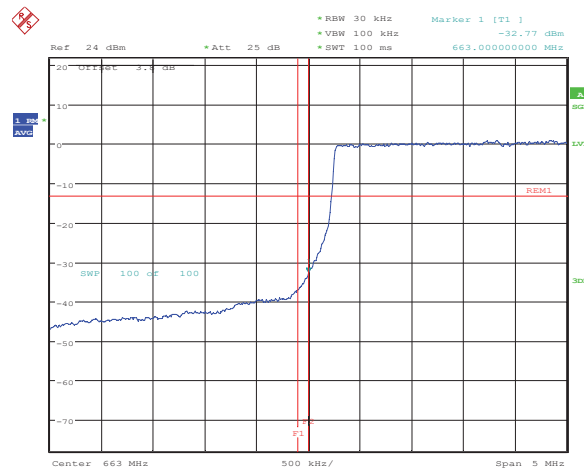


Date: 24.JAN.2025 12:15:00

LOW BAND EDGE BLOCK-5MHz-100%RB

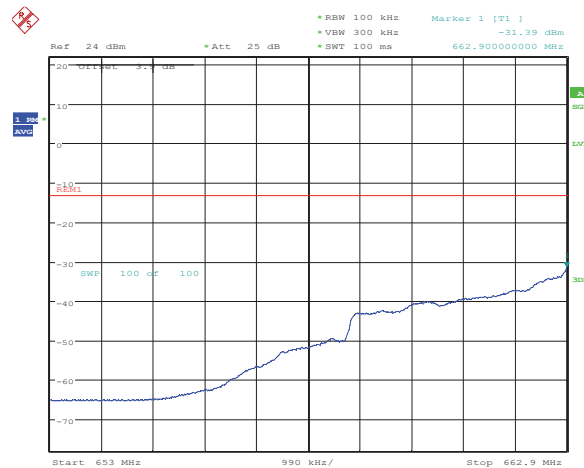
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 12:12:18

LOW BAND EDGE BLOCK-5MHz-100%RB

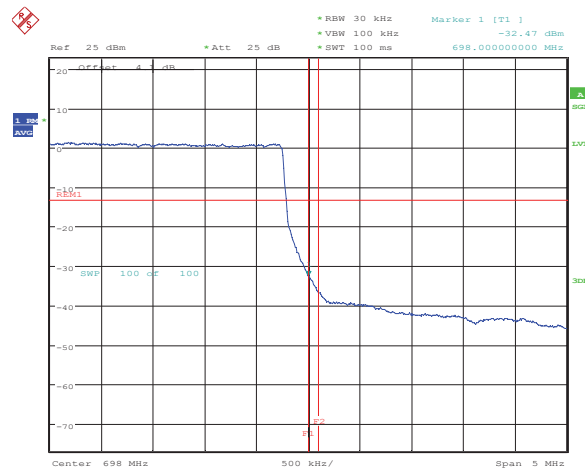


Date: 24.JAN.2025 12:13:10

HIGH BAND EDGE BLOCK-5MHz-100%RB

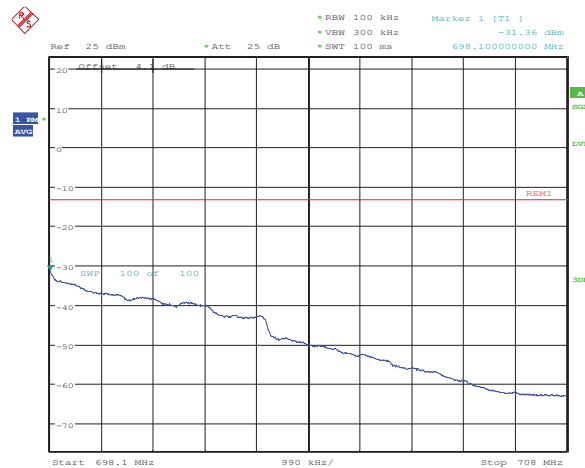
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Date: 24.JAN.2025 12:15:52

HIGH BAND EDGE BLOCK-5MHz-100%RB



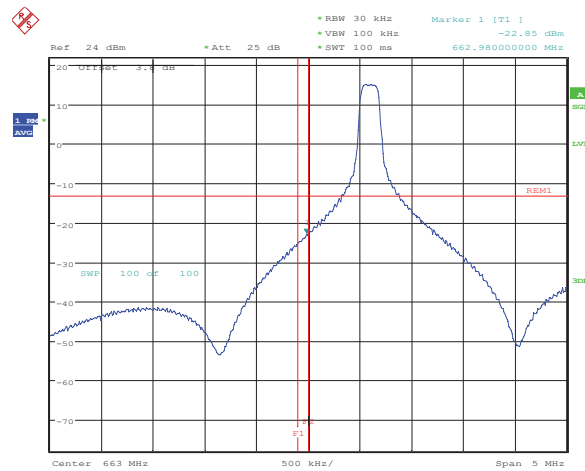
Date: 24.JAN.2025 12:16:44

LTE band 71-10MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

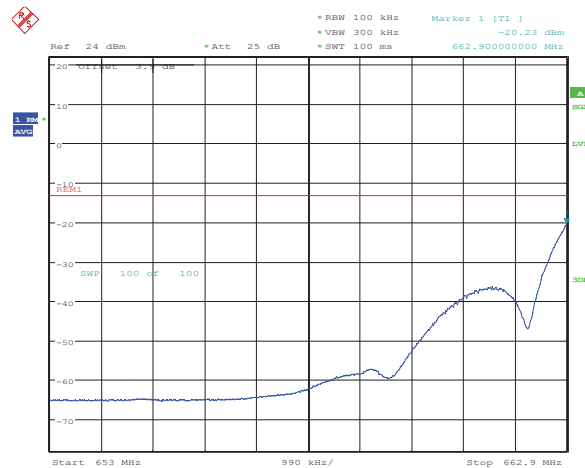
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Date: 24.JAN.2025 12:17:47

LOW BAND EDGE BLOCK-1RB-LOW_offset

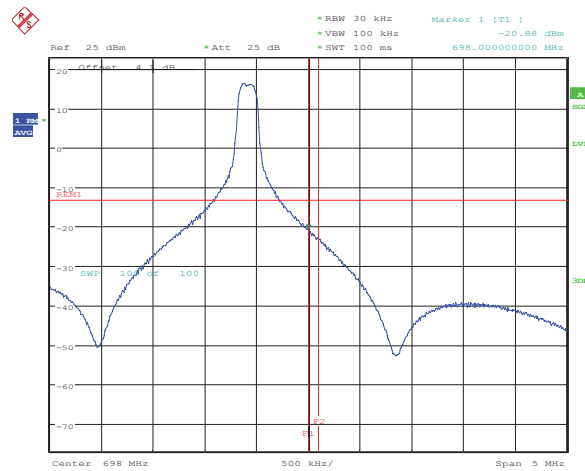


Date: 24.JAN.2025 12:18:39

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

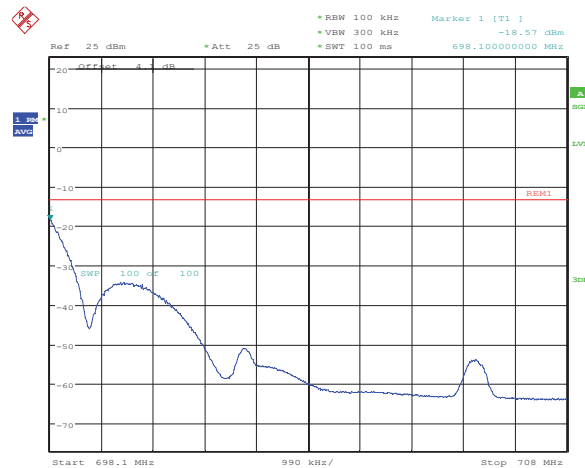
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 12:21:21

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

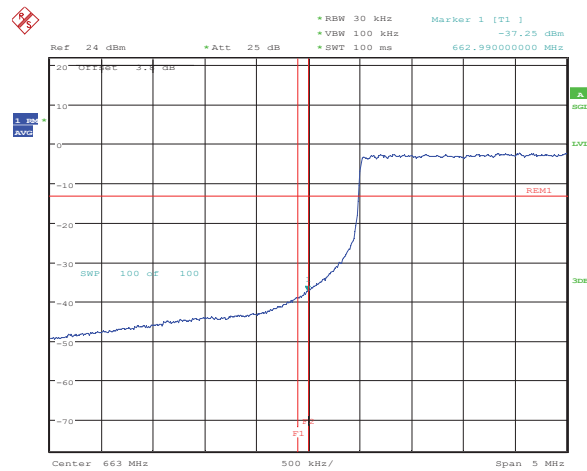


Date: 24.JAN.2025 12:22:13

LOW BAND EDGE BLOCK-10MHz-100%RB

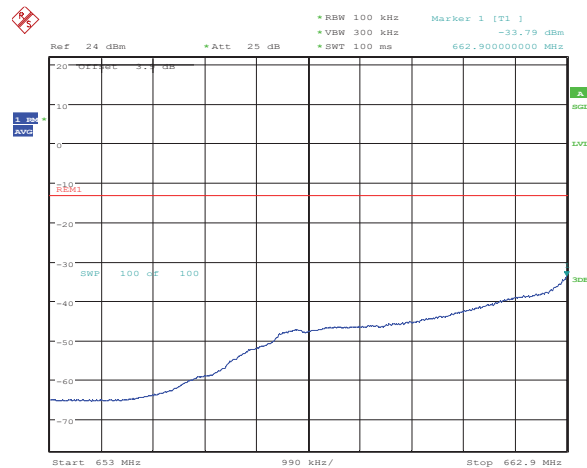
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Date: 24.JAN.2025 12:19:33

LOW BAND EDGE BLOCK-10MHz-100%RB

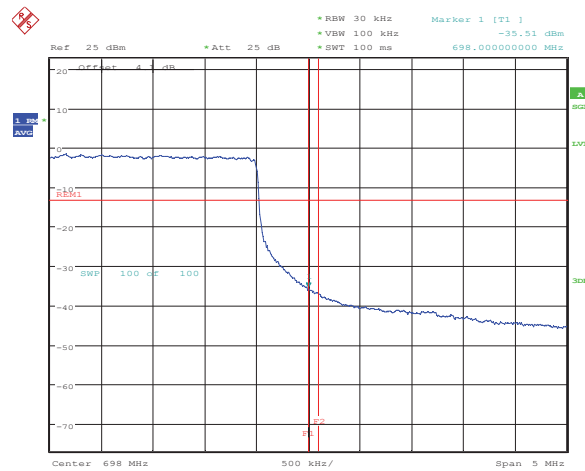


Date: 24.JAN.2025 12:20:25

HIGH BAND EDGE BLOCK-10MHz-100%RB

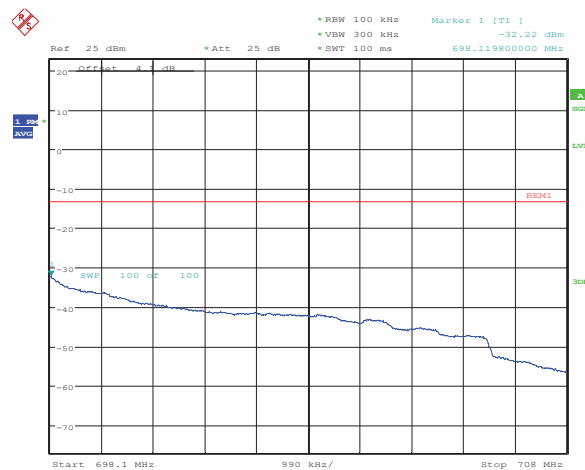
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 12:23:05

HIGH BAND EDGE BLOCK-10MHz-100%RB



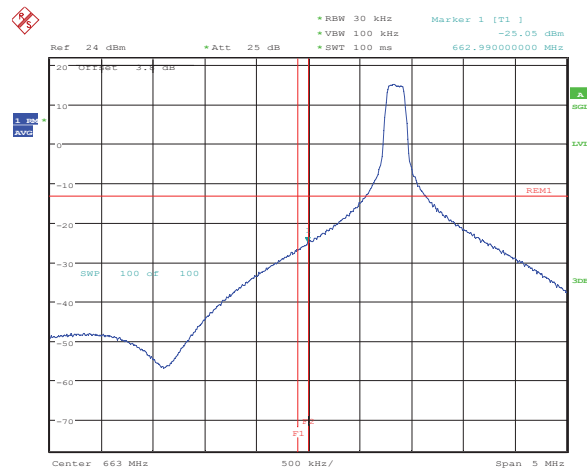
Date: 24.JAN.2025 12:23:58

LTE band 71-15MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

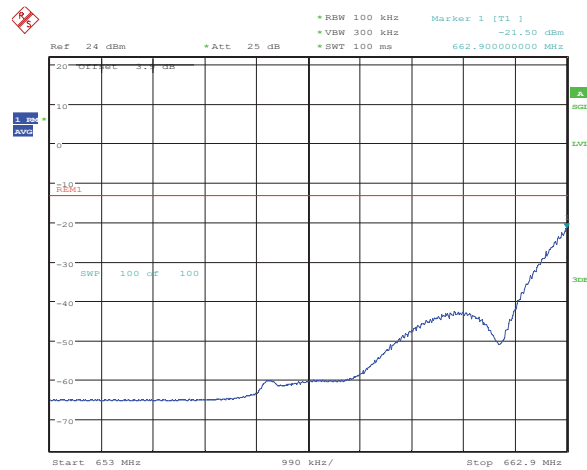
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Date: 24.JAN.2025 12:25:01

LOW BAND EDGE BLOCK-1RB-LOW_offset

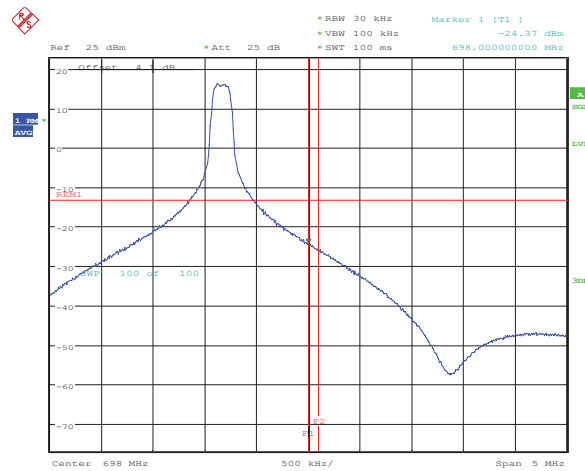


Date: 24.JAN.2025 12:25:53

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

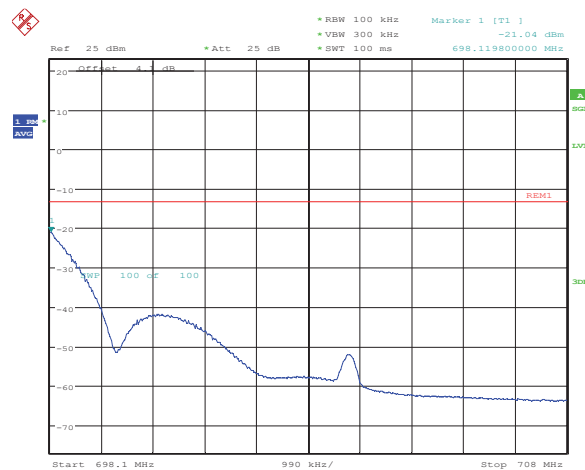
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 12:28:33

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

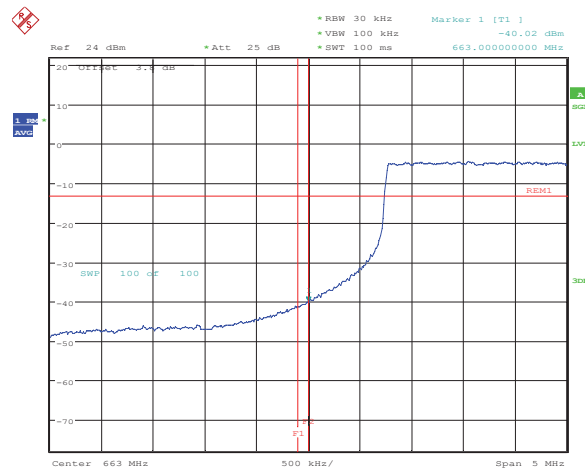


Date: 24.JAN.2025 12:29:26

LOW BAND EDGE BLOCK-15MHz-100%RB

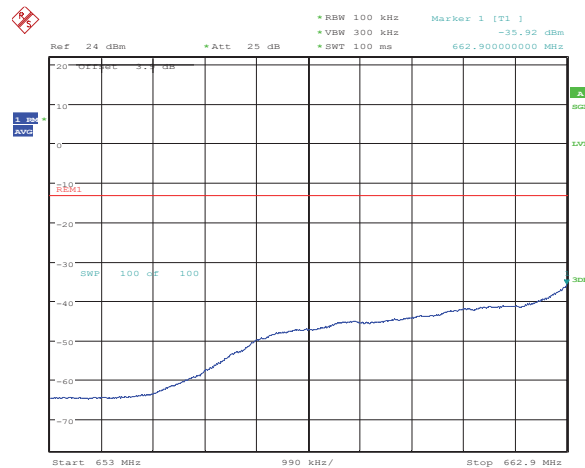
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 24.JAN.2025 12:26:43

LOW BAND EDGE BLOCK-15MHz-100%RB

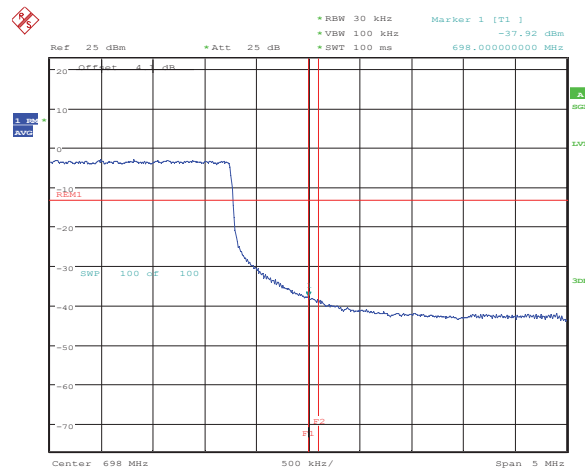


Date: 24.JAN.2025 12:27:35

HIGH BAND EDGE BLOCK-15MHz-100%RB

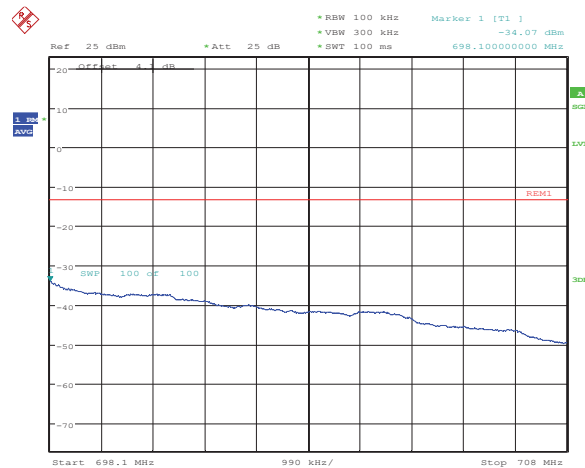
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Date: 24.JAN.2025 12:30:17

HIGH BAND EDGE BLOCK-15MHz-100%RB



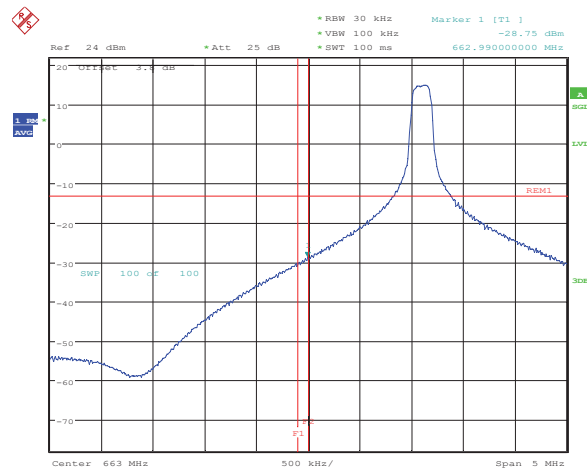
Date: 24.JAN.2025 12:31:09

LTE band 71-20MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

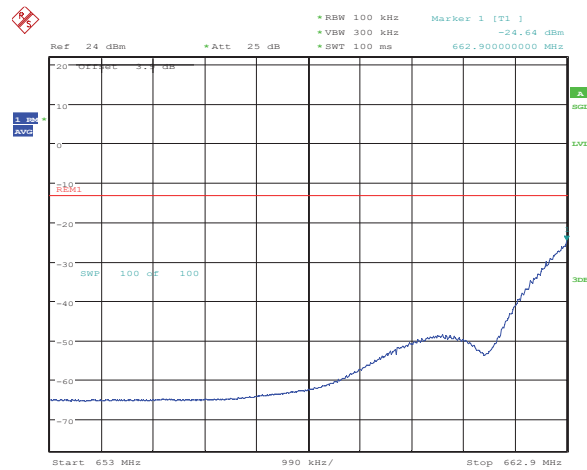
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Date: 24.JAN.2025 12:32:13

LOW BAND EDGE BLOCK-1RB-LOW_offset

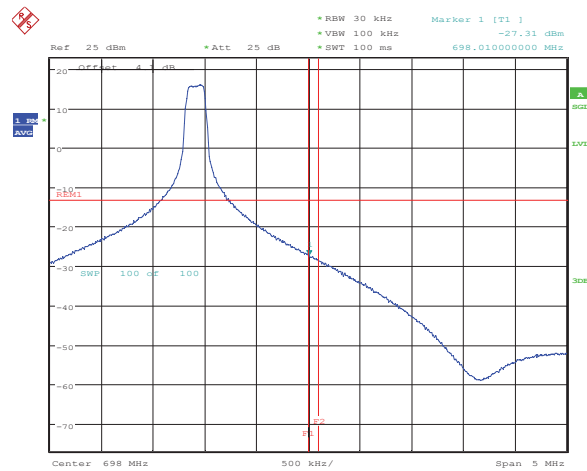


Date: 24.JAN.2025 12:33:05

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

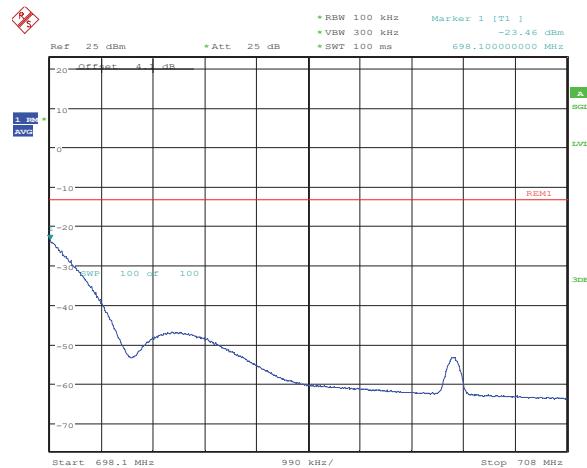
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Date: 24.JAN.2025 12:35:44

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

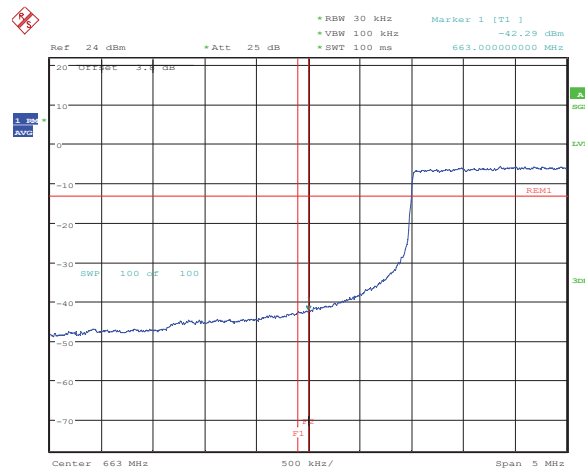


Date: 24.JAN.2025 12:36:37

LOW BAND EDGE BLOCK-20MHz-100%RB

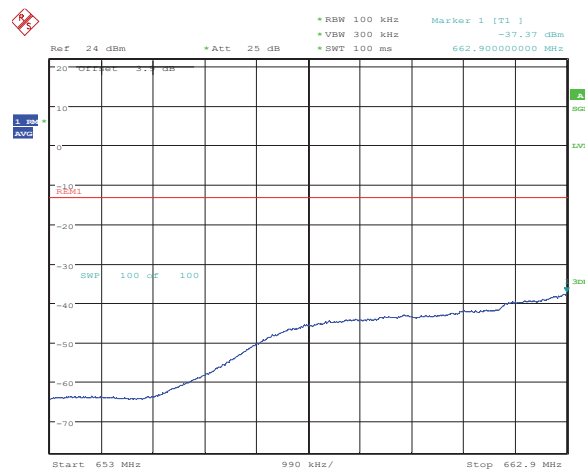
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Date: 24.JAN.2025 12:33:56

LOW BAND EDGE BLOCK-20MHz-100%RB

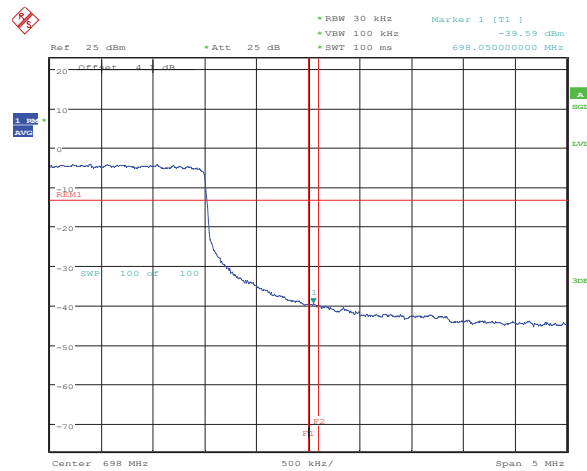


Date: 24.JAN.2025 12:34:48

HIGH BAND EDGE BLOCK-20MHz-100%RB

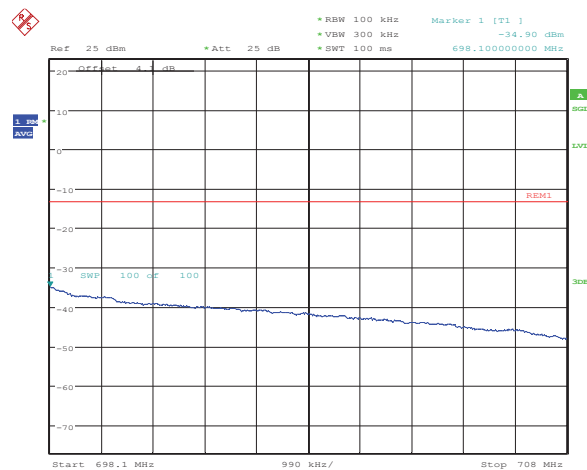
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Date: 24.JAN.2025 12:37:29

HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 24.JAN.2025 12:38:21

6.8. Frequency Stability

Specifications:	FCC Part 22.355,24.235, 27.54
DUT Serial Number:	IMEI:866234079631808
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-70% Air pressure: 86-106kPa
Test Results:	Pass

Limit	
Frequency deviation [ppm]	±2.5

Measurement Uncertainty:

Item	Uncertainty
Expanded Uncertainty	1.54 Hz (k=2)

Test Method

Frequency stability is a measure of the frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at +20 °C and rated supply voltage. Two reference points are established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as FL and FH respectively.

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of CMW500.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30°C.
3. With the EUT, powered via nominal voltage, connected to the CMW500, and in a simulated call on middle channel for each LTE band, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.

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6. Subject the EUT to overnight soak at +50°C.
7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the center channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 °C increments from +50°C to -30°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

6.8.1 Frequency Stability over Temperature Variation Results

LTE band 2, 20MHz bandwidth MID,QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	1880	-4.45	-0.0024
50			-2.99	-0.0016
40			-3.18	-0.0017
30			-2.22	-0.0012
10			-2.17	-0.0012
0			-1.33	-0.0007
-10			-1.82	-0.0010
-20			-0.39	-0.0002
-30			-1.56	-0.0008

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	1880	-1.92	-0.0010
4.2			-1.12	-0.0006

LTE band 4, 20MHz bandwidth MID,QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	1732.5	-3.36	-0.0019
50			-1.47	-0.0009
40			-1.29	-0.0007
30			-1.27	-0.0007
10			-1.22	-0.0007
0			-0.72	-0.0004
-10			-0.80	-0.0005
-20			-0.49	-0.0003
-30			-0.92	-0.0005

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	1732.5	-0.90	-0.0005
4.2			0.04	0.0000

LTE band 5, 10MHz bandwidth MID,QPSK(worst case of all bandwidths)

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	836.5	-1.39	-0.0017
50			-0.92	-0.0011

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40			0.07	0.0001
30			-0.39	-0.0005
10			0.00	0.0000
0			-0.20	-0.0002
-10			-0.11	-0.0001
-20			0.17	0.0002
-30			-0.33	-0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	836.5	0.27	0.0003
4.2			0.33	0.0004

LTE band 12, 10MHz bandwidth MID,QPSK(worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	707.5	-1.20	-0.0017
50			-1.02	-0.0014
40			-0.87	-0.0012
30			-0.76	-0.0011
10			-0.62	-0.0009
0			-0.40	-0.0006
-10			-0.24	-0.0003
-20			-0.64	-0.0009
-30			-0.36	-0.0005

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	707.5	-0.37	-0.0005
4.2			-0.19	-0.0003

LTE band 13, 10MHz bandwidth MID,QPSK(worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	782	-1.55	-0.0020
50			-1.43	-0.0018
40			-0.76	-0.0010
30			-0.83	-0.0011
10			-0.67	-0.0009
0			-0.79	-0.0010
-10			-0.77	-0.0010
-20			-0.87	-0.0011
-30			-1.00	-0.0013

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Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	782	-0.83	-0.0011
4.2			-0.66	-0.0008

LTE band 66, 20MHz bandwidth MID,QPSK(worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	1745	-4.75	-0.0027
50			-3.41	-0.0020
40			-2.26	-0.0013
30			-1.83	-0.0010
10			-0.92	-0.0005
0			-0.87	-0.0005
-10			-1.89	-0.0011
-20			-0.66	-0.0004
-30			-1.40	-0.0008

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	1745	-0.30	-0.0002
4.2			-1.75	-0.0010

LTE band 71, 20MHz bandwidth MID,QPSK(worst case of all bandwidths)
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.8	683	-0.42	-0.0006
50			-0.03	-0.0000
40			-0.34	-0.0005
30			-0.26	-0.0004
10			-0.11	-0.0002
0			0.01	0.0000
-10			0.22	0.0003
-20			0.04	0.0001
-30			0.27	0.0004

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	683	0.33	0.0005
4.2			-0.19	-0.0003

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6.9. Peak to Average Ratio

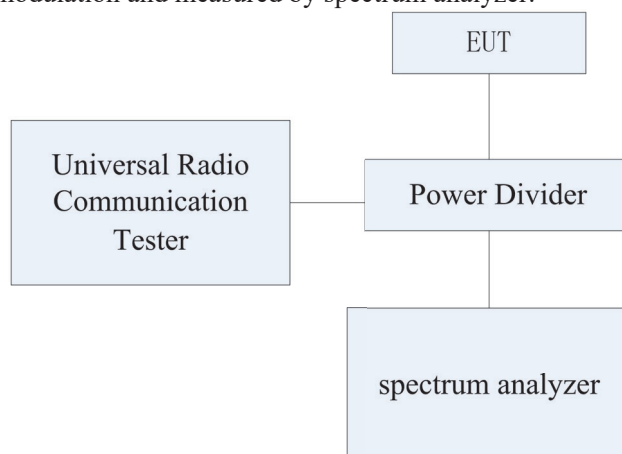
Specifications:	FCC Part 24.232, 27.50
DUT Serial Number:	IMEI:866234079631808
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-70% Air pressure: 86-106kPa
Test Results:	Pass

Limit Level Construction:

In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

Test Setup

During the test, the EUT was controlled via the Wireless Communications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.



Measurement Uncertainty:

Item	Uncertainty
Expanded Uncertainty	0.36dB (k=2)

Test Method

The transmitter output was connected to a CMW500 through a coaxial RF cable and directional coupler, and configured to operate at maximum power. The peak to average ratio was measured at the required operating frequencies in each Band on the Spectrum Analyzer.

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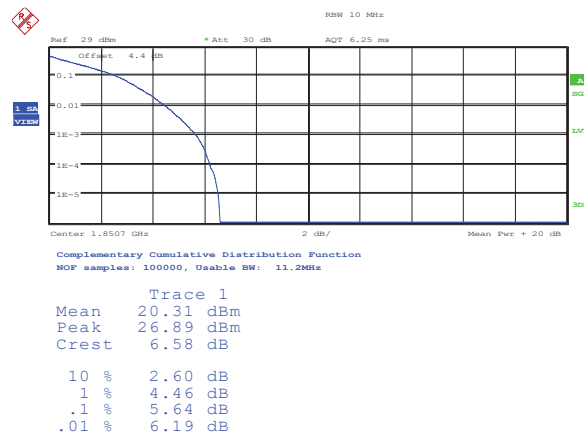
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Tel: 0086-23-88069965 FAX:0086-23-88608777

6.9.1 Peak to Average Ratio Results

LTE Band 2, 1.4MHz

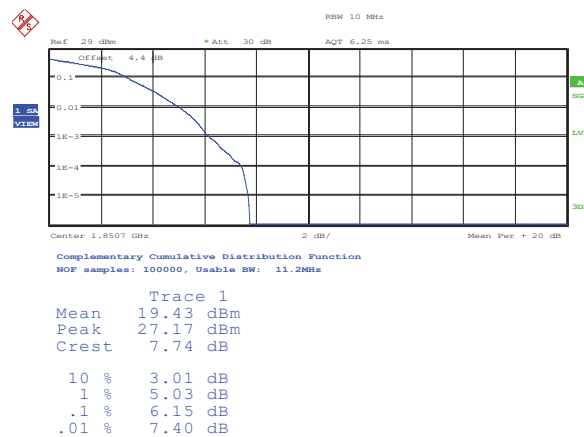
Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1850.7	100%,0	5.64	6.15
1880	100%,0	5.67	6.35
1909.3	100%,0	5.32	6.28

LTE band 2 , 1.4MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:10:38

LTE band 2 , 1.4MHz Bandwidth,16QAM

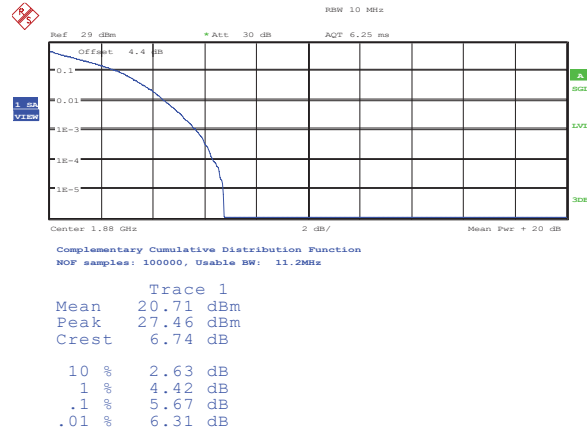


Date: 23.JAN.2025 12:10:52

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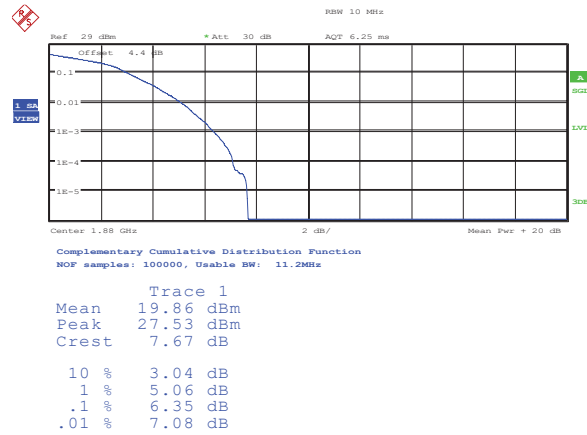
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LTE band 2 , 1.4MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:11:10

LTE band 2 , 1.4MHz Bandwidth,16QAM

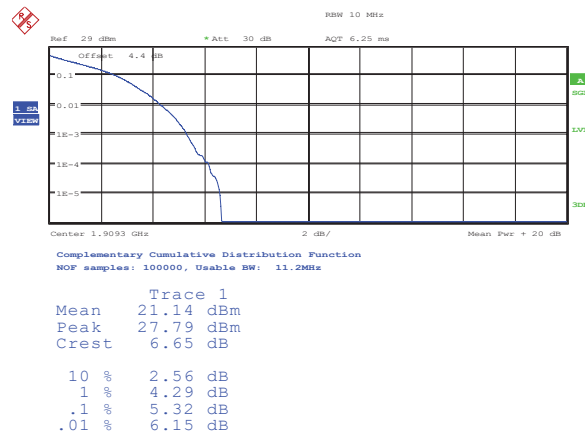


Date: 23.JAN.2025 12:11:24

LTE band 2 , 1.4MHz Bandwidth,QPSK

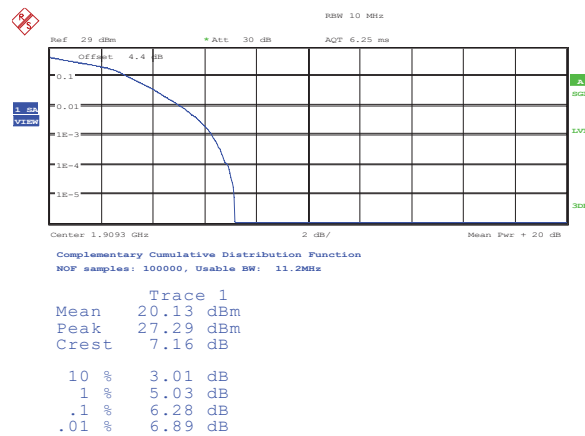
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Date: 23.JAN.2025 12:11:41

LTE band 2 , 1.4MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:11:55

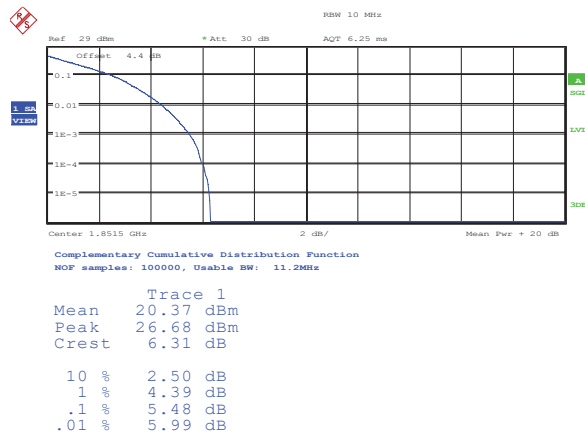
LTE Band 2, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1851.5	100%,0	5.48	6.15
1880	100%,0	5.64	6.38
1908.5	100%,0	5.48	6.28

LTE band 2 , 3MHz Bandwidth,QPSK

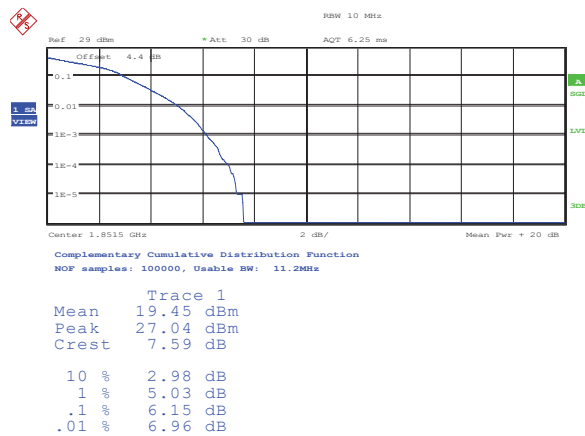
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Date: 23.JAN.2025 12:12:21

LTE band 2 , 3MHz Bandwidth,16QAM

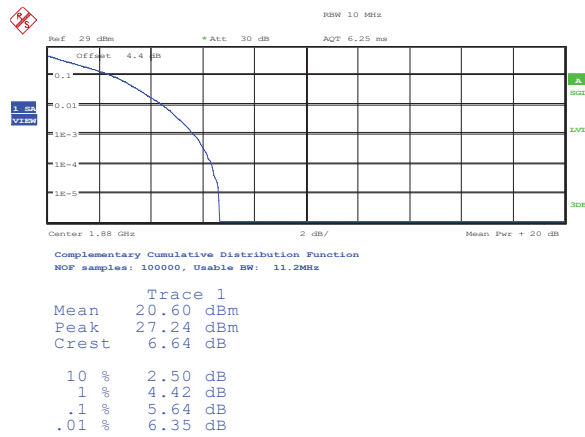


Date: 23.JAN.2025 12:12:37

LTE band 2 , 3MHz Bandwidth,QPSK

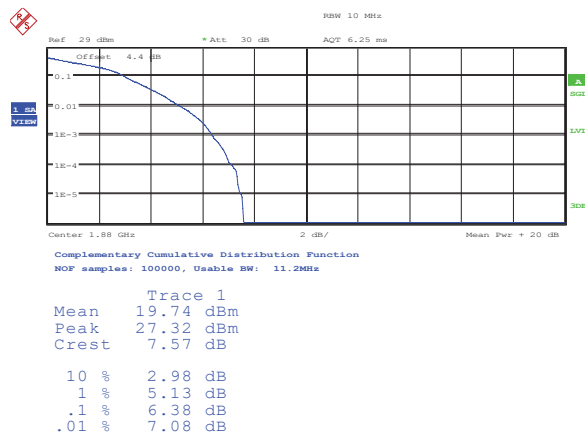
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Date: 23.JAN.2025 12:12:54

LTE band 2 , 3MHz Bandwidth,16QAM

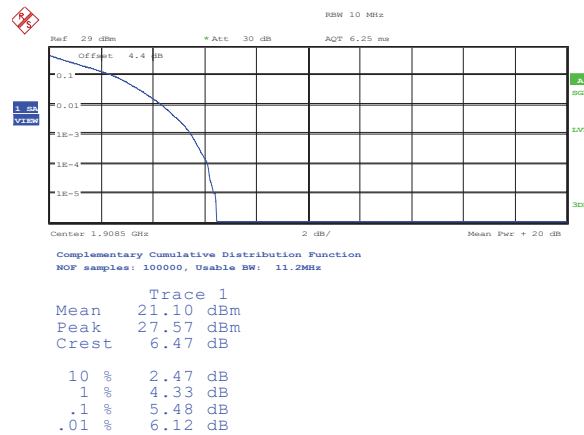


Date: 23.JAN.2025 12:13:09

LTE band 2 , 3MHz Bandwidth,QPSK

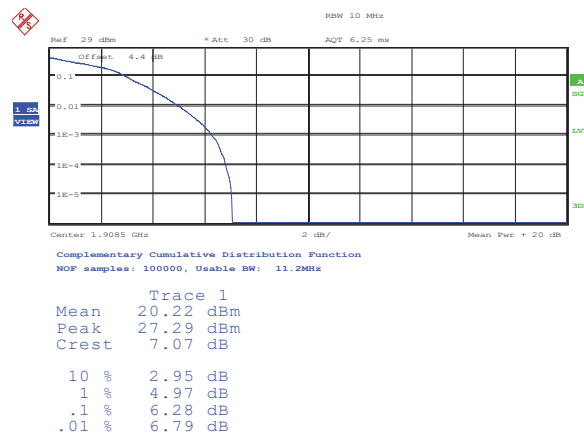
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Date: 23.JAN.2025 12:13:26

LTE band 2 , 3MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:13:40

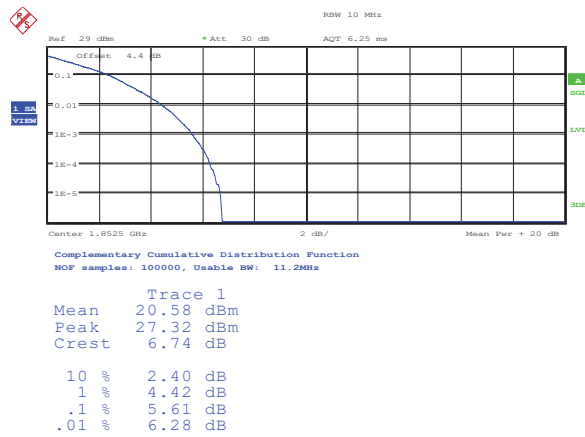
LTE Band 2, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1852.5	100%,0	5.61	6.22
1880	100%,0	5.61	6.38
1907.5	100%,0	5.42	6.06

LTE band 2 , 5MHz Bandwidth,QPSK

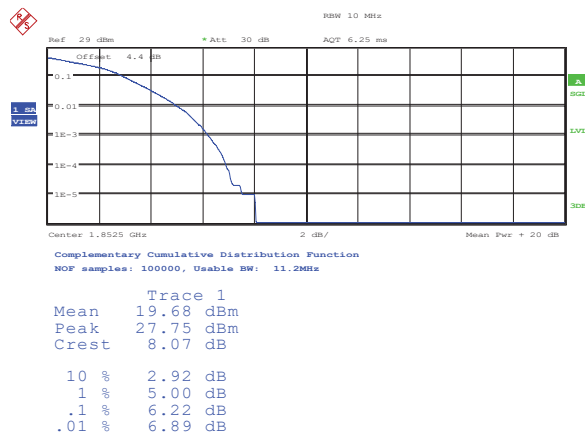
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Date: 23.JAN.2025 12:14:06

LTE band 2 , 5MHz Bandwidth,16QAM

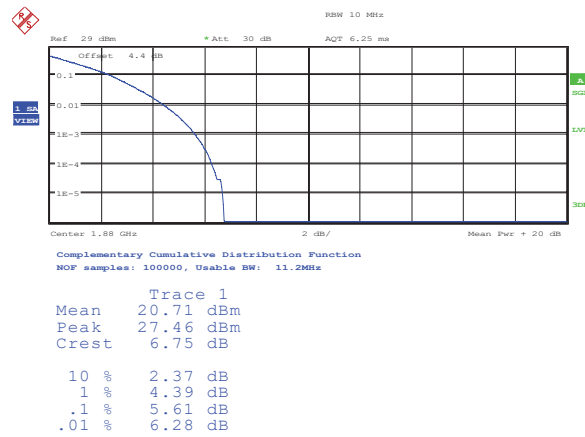


Date: 23.JAN.2025 12:14:20

LTE band 2 , 5MHz Bandwidth,QPSK

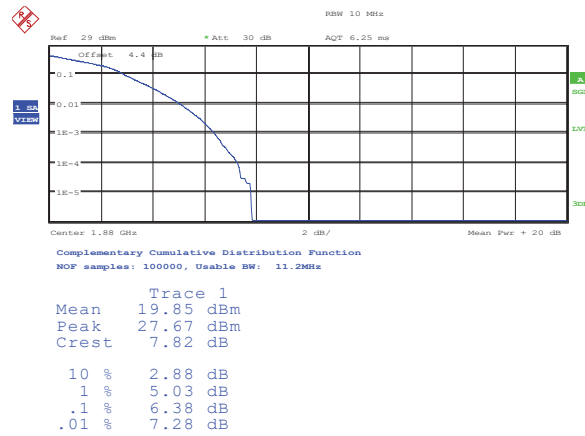
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Date: 23.JAN.2025 12:14:38

LTE band 2 , 5MHz Bandwidth,16QAM

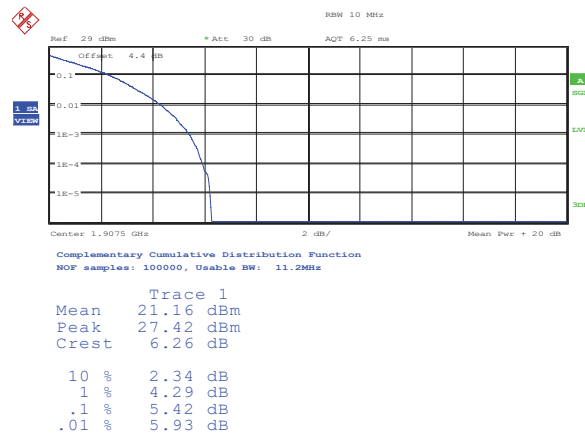


Date: 23.JAN.2025 12:14:52

LTE band 2 , 5MHz Bandwidth,QPSK

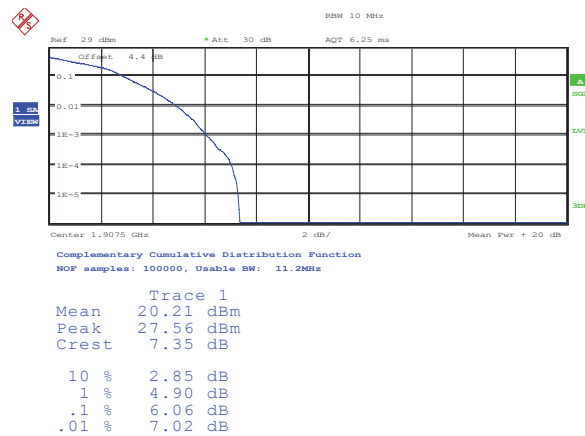
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Date: 23.JAN.2025 12:15:13

LTE band 2 , 5MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:15:26

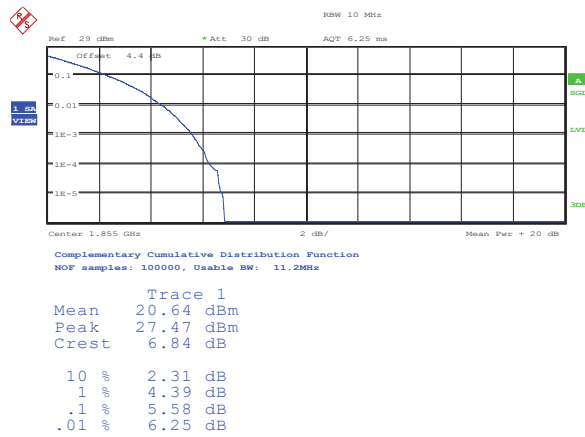
LTE Band 2, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1855	100%,0	5.58
1880	100%,0	5.51
1905	100%,0	5.48

LTE band 2 , 10MHz Bandwidth,QPSK

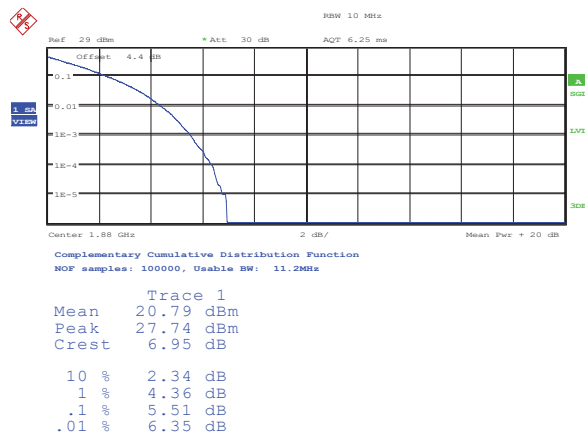
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Date: 23.JAN.2025 12:15:58

LTE band 2 , 10MHz Bandwidth,QPSK

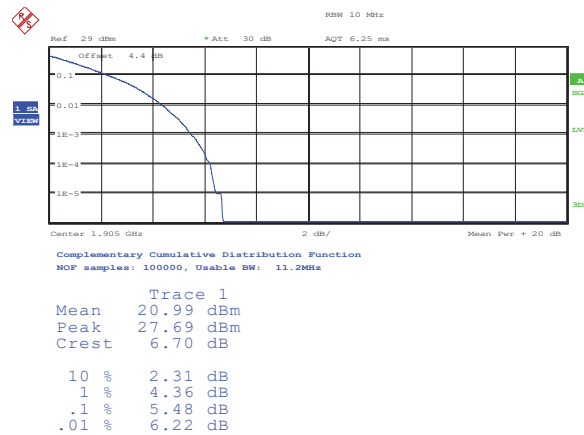


Date: 23.JAN.2025 12:16:17

LTE band 2 , 10MHz Bandwidth,QPSK

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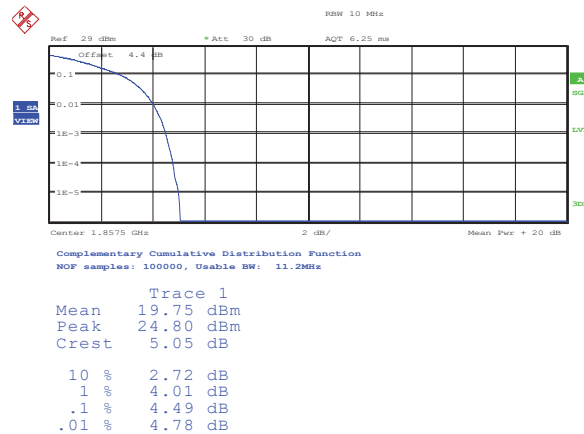


Date: 23.JAN.2025 12:16:39

LTE Band 2, 15MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1857.5	100%,0	4.49
1880	100%,0	4.52
1902.5	100%,0	4.55

LTE band 2 , 15MHz Bandwidth,QPSK

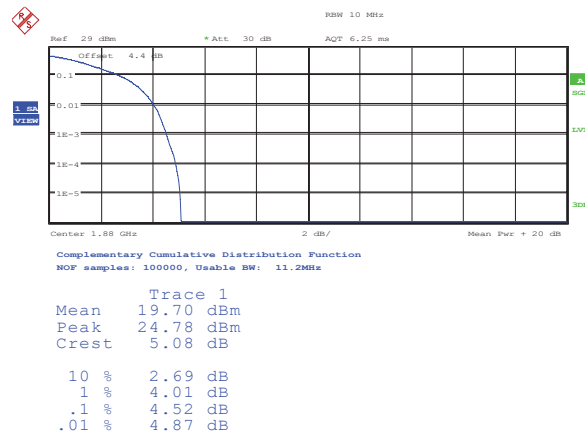


Date: 23.JAN.2025 12:17:13

LTE band 2 , 15MHz Bandwidth,QPSK

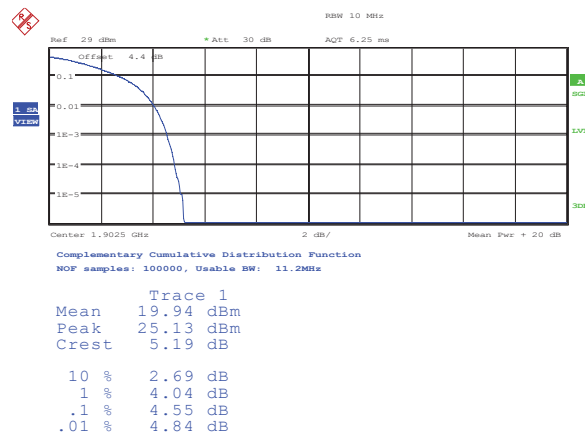
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Date: 23.JAN.2025 12:17:30

LTE band 2 , 15MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:17:53

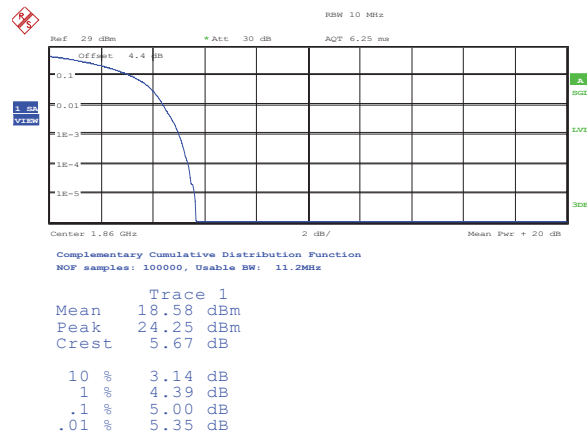
LTE Band 2, 20MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1860	100%,0	5.00
1880	100%,0	5.06
1900	100%,0	5.03

LTE band 2 , 20MHz Bandwidth,QPSK

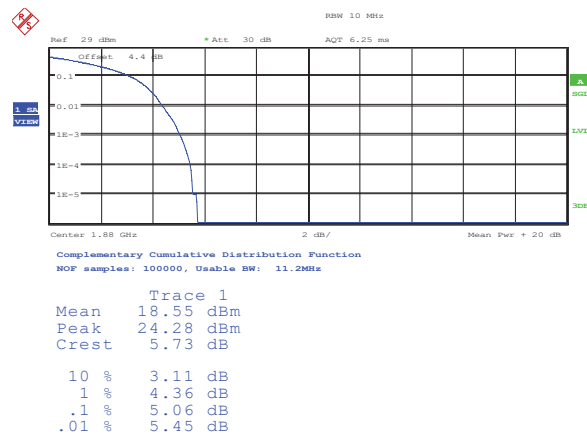
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Date: 23.JAN.2025 12:18:23

LTE band 2 , 20MHz Bandwidth,QPSK

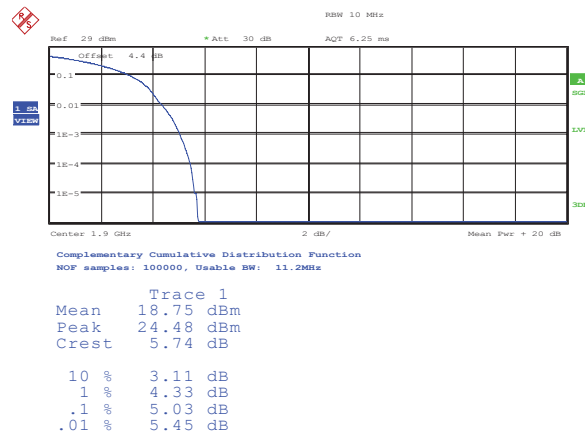


Date: 23.JAN.2025 12:18:54

LTE band 2 , 20MHz Bandwidth,QPSK

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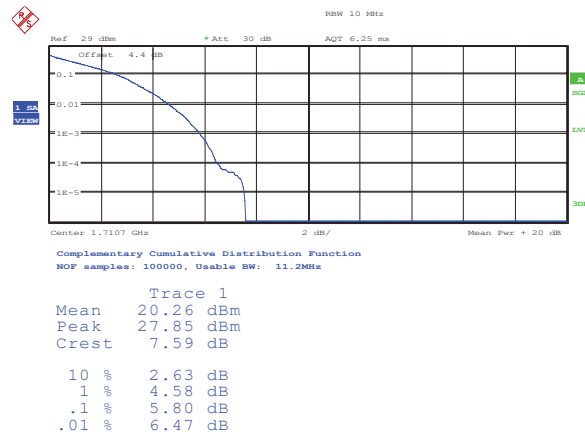


Date: 23.JAN.2025 12:19:15

LTE Band 4, 1.4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1710.7	100%,0	5.80	6.41
1732.5	100%,0	5.87	6.76
1754.3	100%,0	5.71	6.57

LTE band 4 , 1.4MHz Bandwidth,QPSK

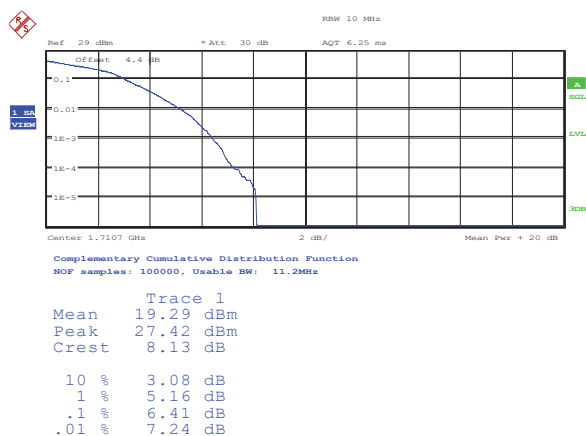


Date: 23.JAN.2025 12:19:52

LTE band 4 , 1.4MHz Bandwidth,16QAM

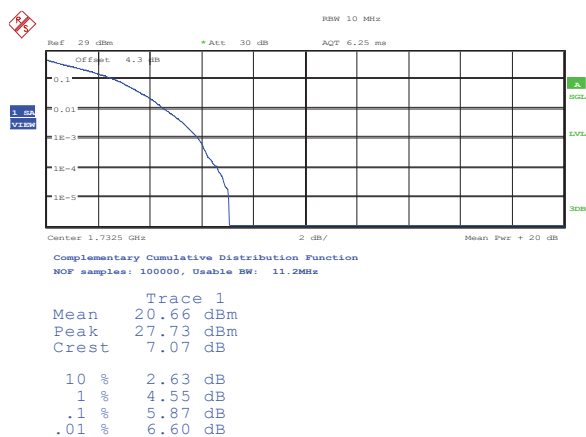
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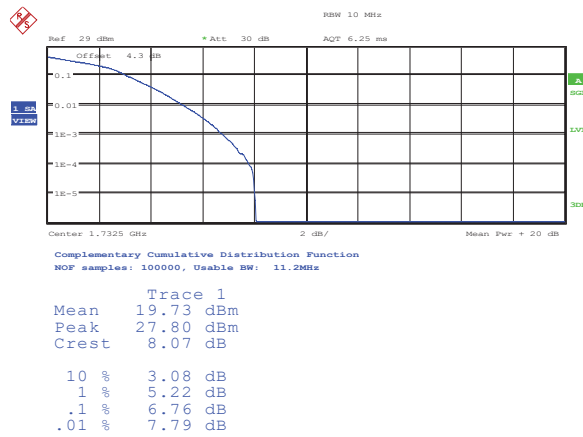
Date: 23.JAN.2025 12:20:14

LTE band 4 , 1.4MHz Bandwidth,QPSK



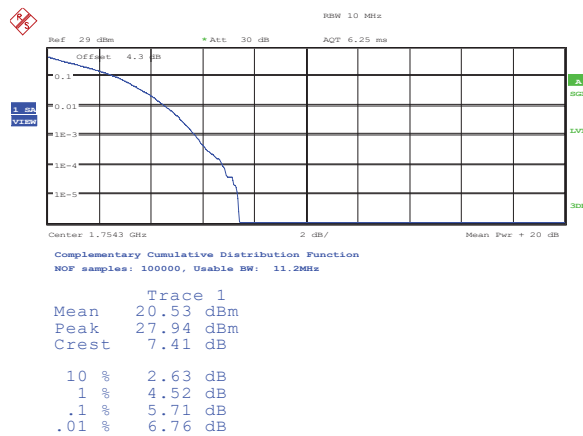
Date: 23.JAN.2025 12:20:35

LTE band 4 , 1.4MHz Bandwidth,16QAM



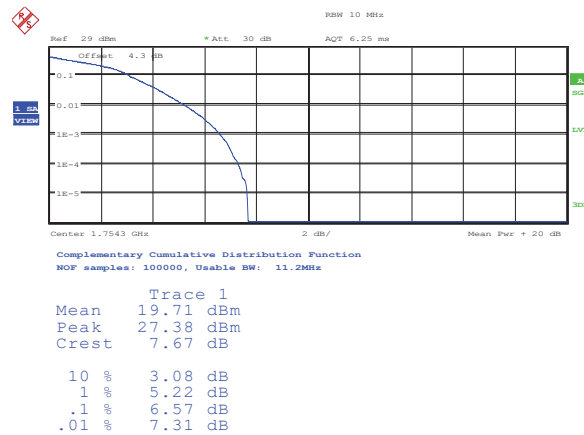
Date: 23.JAN.2025 12:21:01

LTE band 4 , 1.4MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:21:18

LTE band 4 , 1.4MHz Bandwidth,16QAM

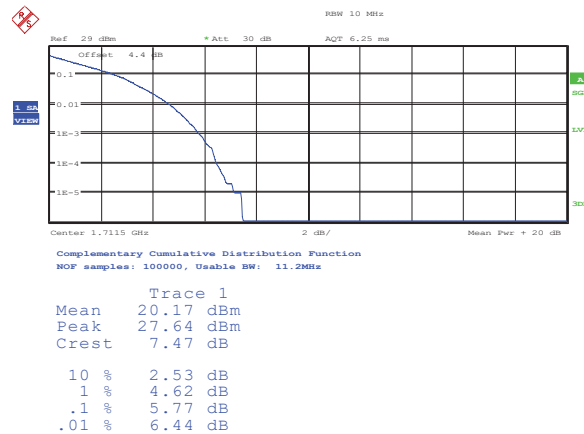


Date: 23.JAN.2025 12:21:43

LTE Band 4, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1711.5	100%,0	5.77	6.47
1732.5	100%,0	5.80	6.57
1753.5	100%,0	5.77	6.60

LTE band 4 , 3MHz Bandwidth,QPSK

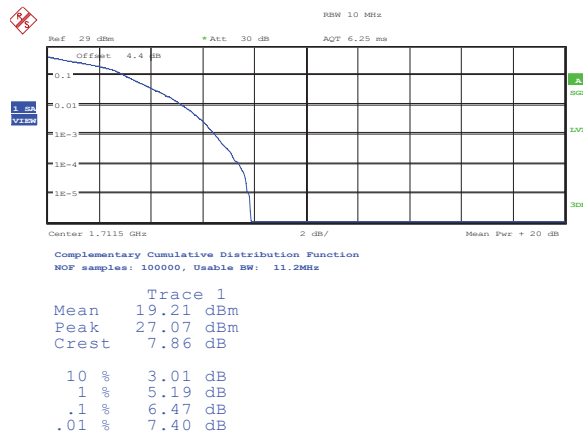


Date: 23.JAN.2025 12:22:11

LTE band 4 , 3MHz Bandwidth,16QAM

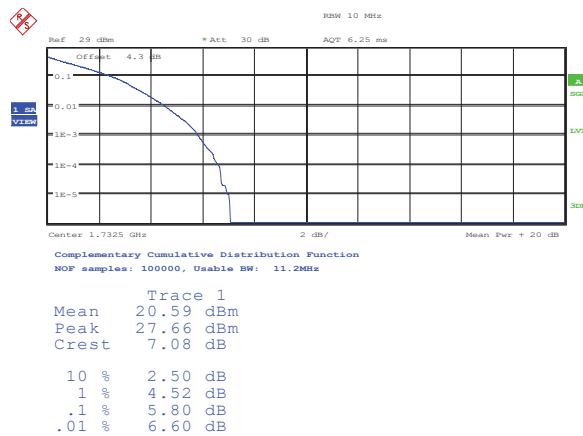
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Date: 23.JAN.2025 12:22:34

LTE band 4 , 3MHz Bandwidth,QPSK

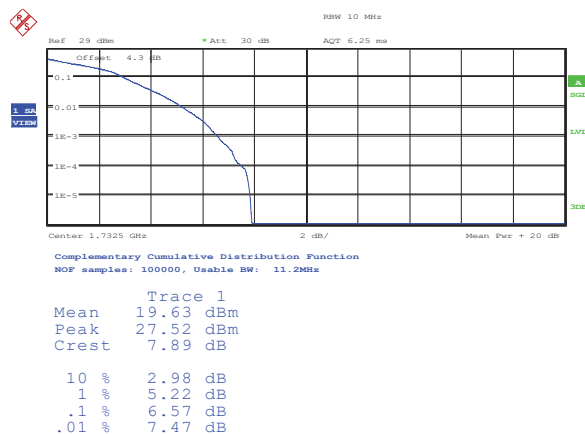


Date: 23.JAN.2025 12:22:59

LTE band 4 , 3MHz Bandwidth,16QAM

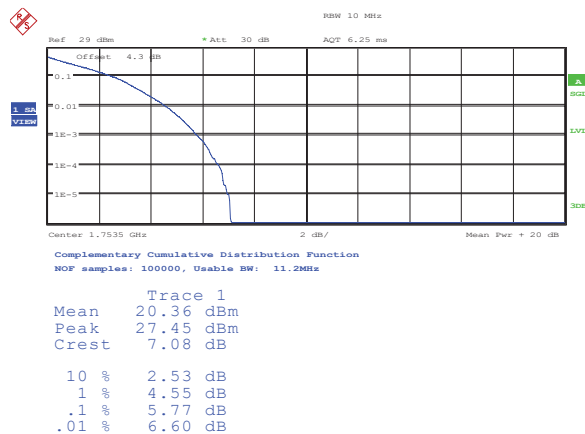
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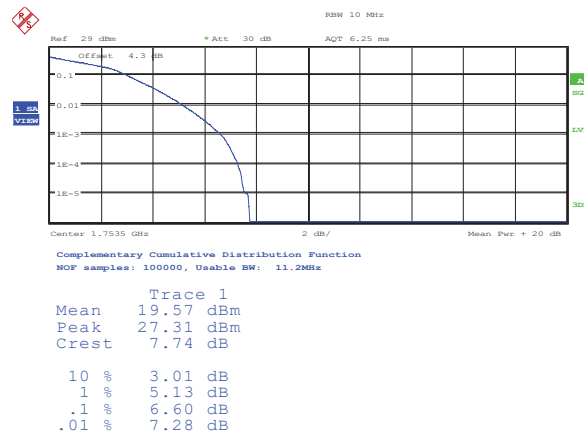
Date: 23.JAN.2025 12:23:21

LTE band 4 , 3MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:23:43

LTE band 4 , 3MHz Bandwidth,16QAM

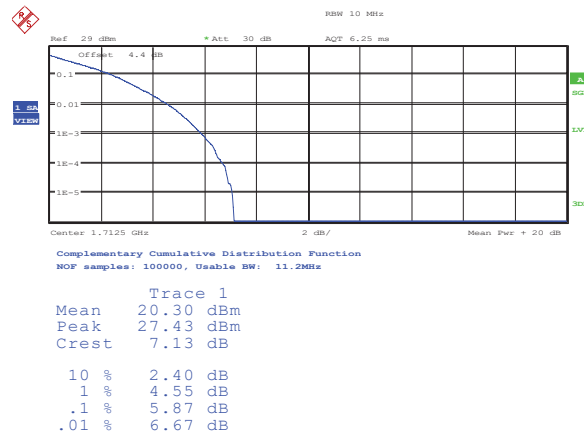


Date: 23.JAN.2025 12:24:02

LTE Band 4, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1712.5	100%,0	5.87	6.47
1732.5	100%,0	5.80	6.57
1752.5	100%,0	5.64	6.38

LTE band 4 , 5MHz Bandwidth,QPSK

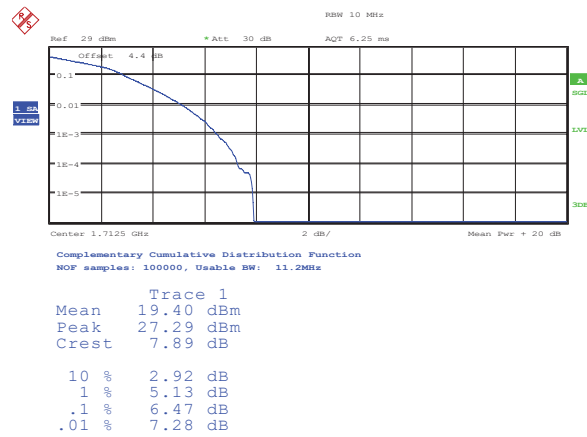


Date: 23.JAN.2025 12:24:40

LTE band 4 , 5MHz Bandwidth,16QAM

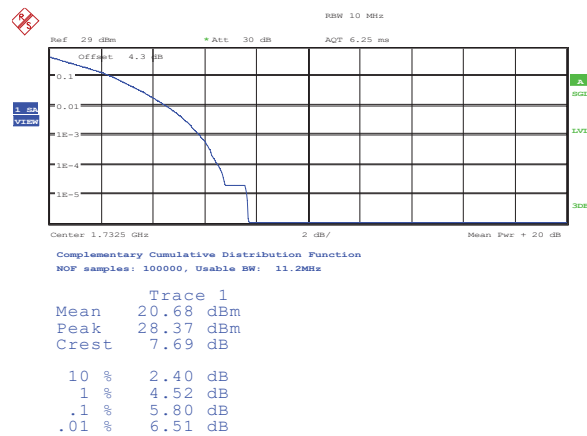
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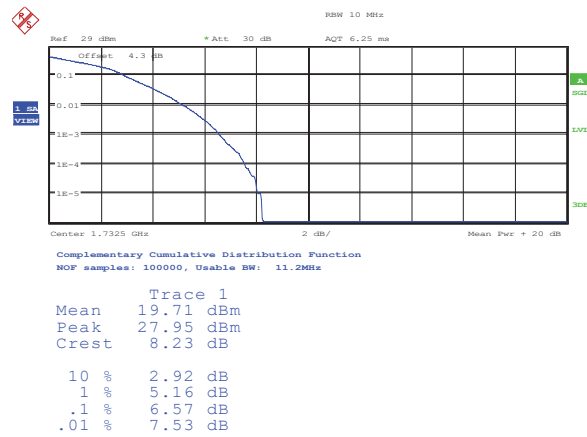
Date: 23.JAN.2025 12:24:59

LTE band 4 , 5MHz Bandwidth,QPSK



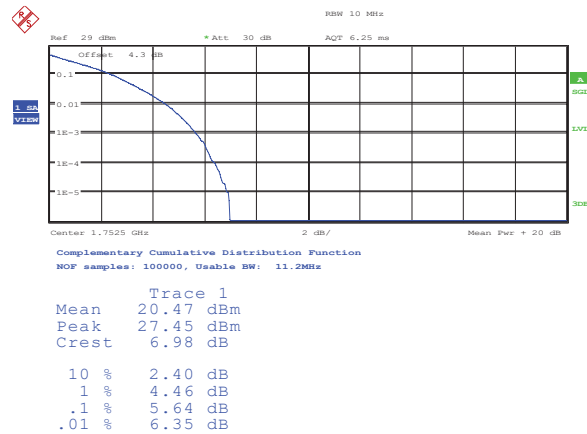
Date: 23.JAN.2025 12:25:16

LTE band 4 , 5MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:25:29

LTE band 4 , 5MHz Bandwidth,QPSK

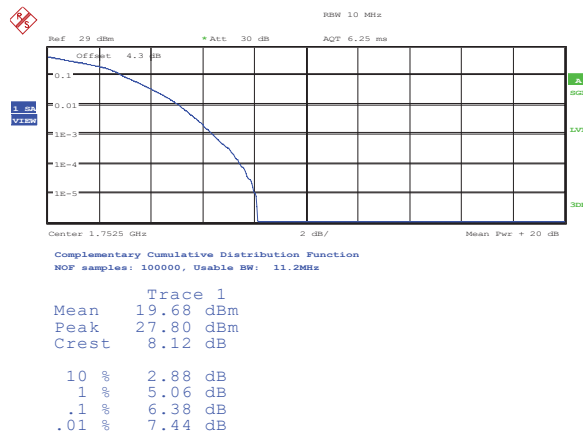


Date: 23.JAN.2025 12:25:47

LTE band 4 , 5MHz Bandwidth,16QAM

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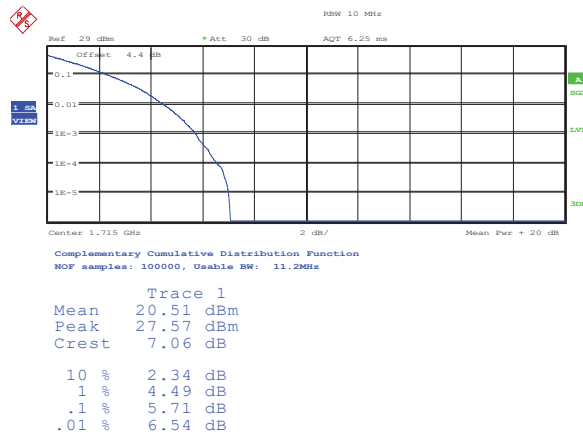


Date: 23.JAN.2025 12:26:00

LTE Band 4, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1715	100%,0	5.71
1732.5	100%,0	5.58
1750	100%,0	5.58

LTE band 4 , 10MHz Bandwidth,QPSK

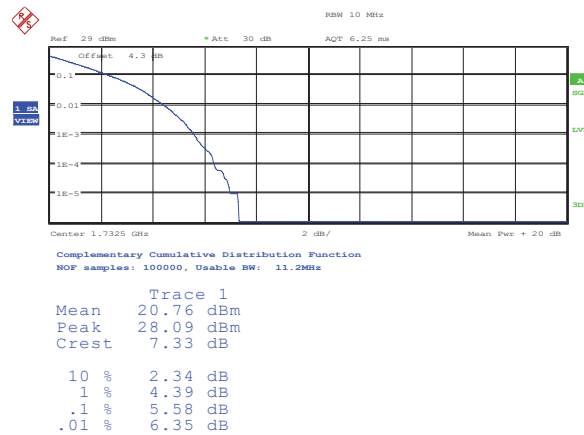


Date: 23.JAN.2025 12:26:24

LTE band 4 , 10MHz Bandwidth,QPSK

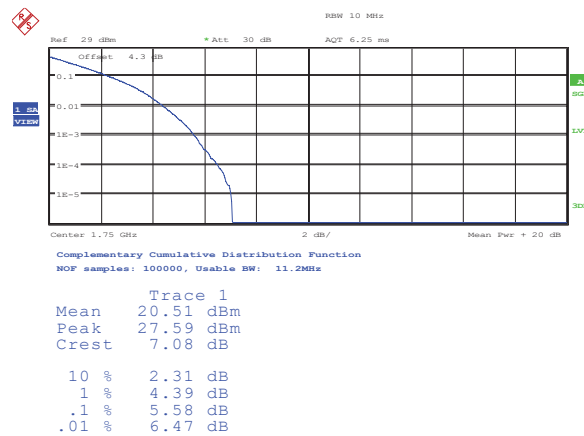
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Date: 23.JAN.2025 12:26:42

LTE band 4 , 10MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:26:59

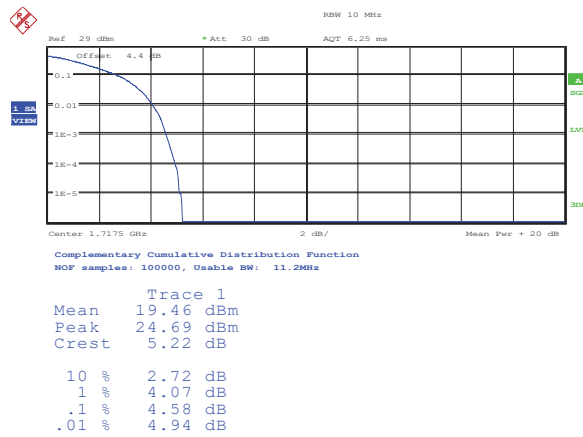
LTE Band 4, 15MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1717.5	100%,0	4.58
1732.5	100%,0	4.62
1747.5	100%,0	4.55

LTE band 4 , 15MHz Bandwidth,QPSK

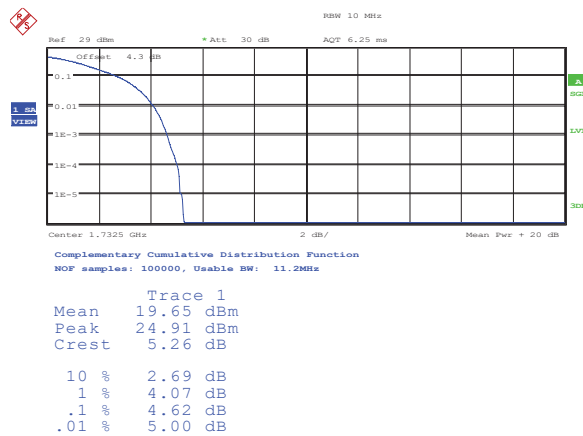
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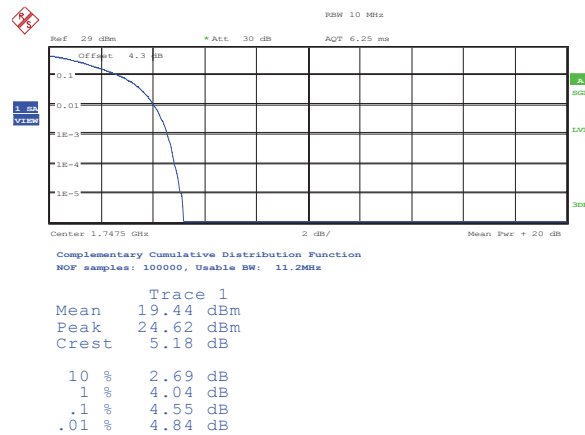
Date: 23.JAN.2025 12:27:26

LTE band 4 , 15MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:27:44

LTE band 4 , 15MHz Bandwidth,QPSK

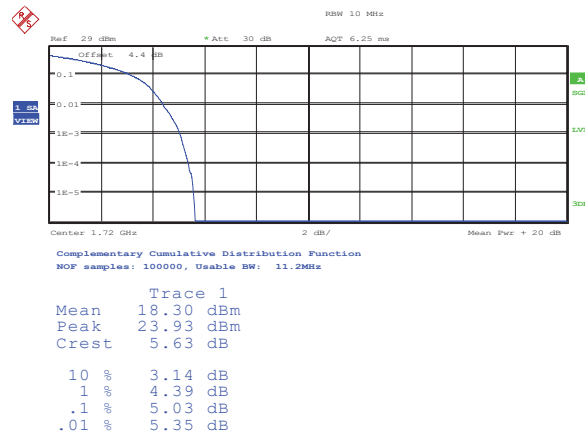


Date: 23.JAN.2025 12:28:01

LTE Band 4, 20MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1720	100%,0	5.03
1732.5	100%,0	5.03
1745	100%,0	5.06

LTE band 4 , 20MHz Bandwidth,QPSK

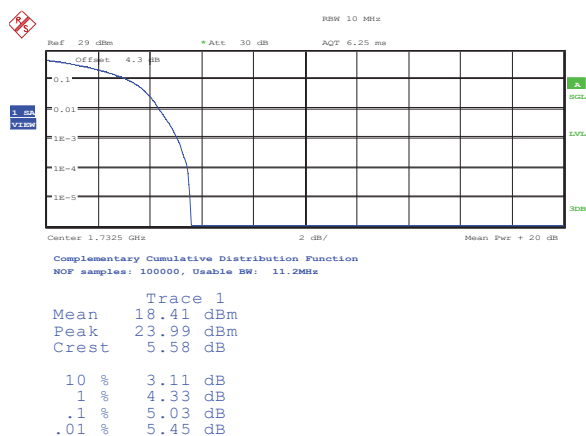


Date: 23.JAN.2025 12:28:31

LTE band 4 , 20MHz Bandwidth,QPSK

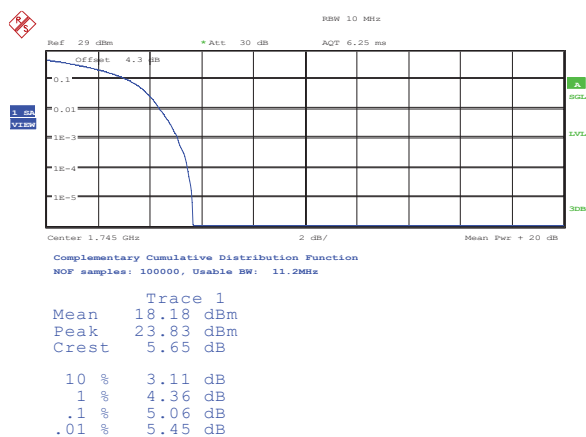
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Date: 23.JAN.2025 12:28:50

LTE band 4 , 20MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:29:08

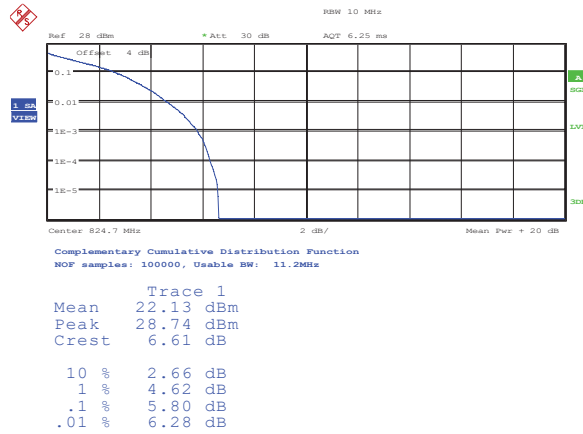
LTE Band 5, 1.4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
824.7	100%,0	5.80	6.38
836.5	100%,0	5.83	6.51
848.3	100%,0	5.64	6.54

LTE band 5 , 1.4MHz Bandwidth,QPSK

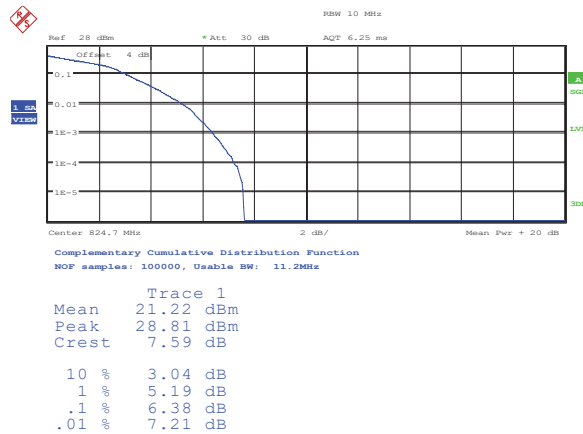
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Date: 23.JAN.2025 12:29:42

LTE band 5 , 1.4MHz Bandwidth,16QAM

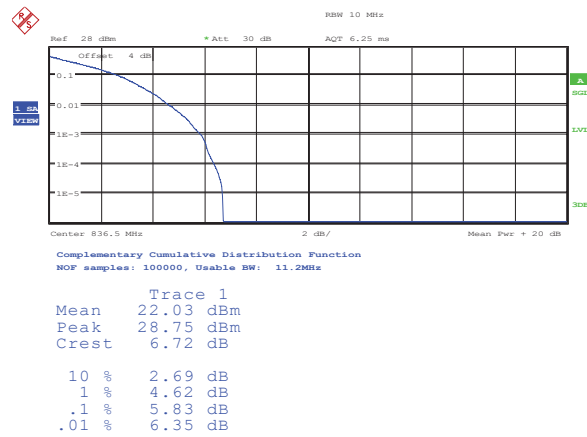


Date: 23.JAN.2025 12:30:01

LTE band 5 , 1.4MHz Bandwidth,QPSK

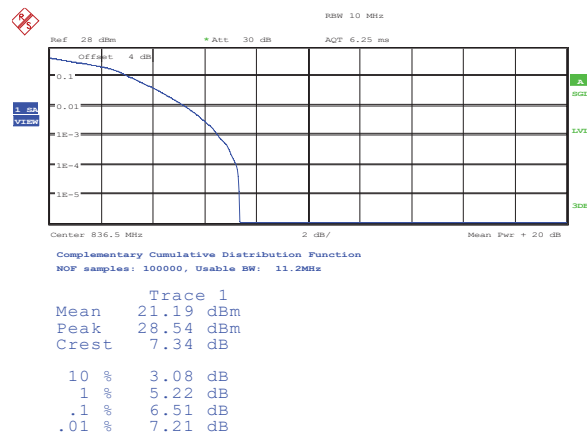
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Date: 23.JAN.2025 12:30:24

LTE band 5 , 1.4MHz Bandwidth,16QAM

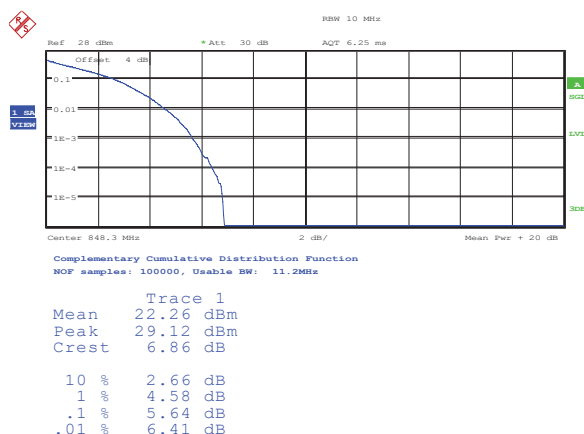


Date: 23.JAN.2025 12:30:39

LTE band 5 , 1.4MHz Bandwidth,QPSK

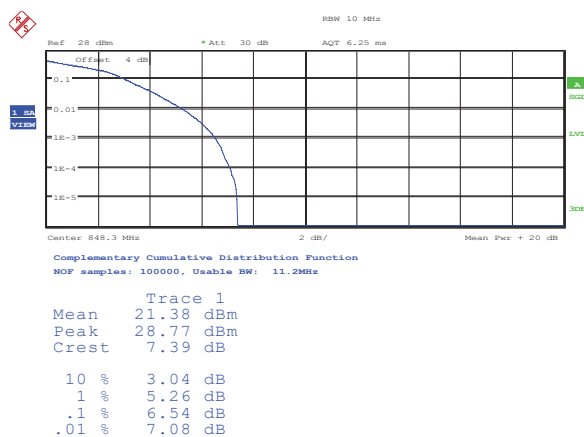
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Date: 23.JAN.2025 12:31:04

LTE band 5 , 1.4MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:31:25

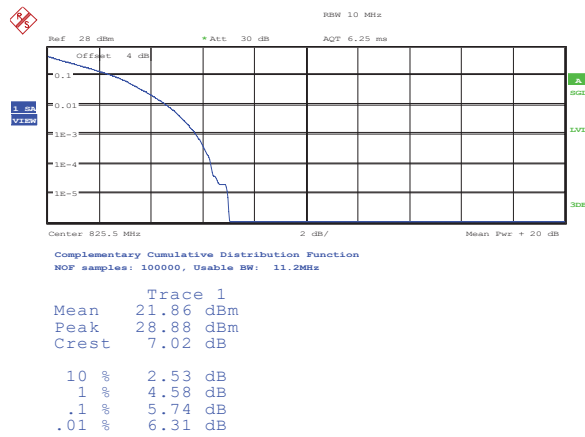
LTE Band 5, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
825.5	100%,0	5.74	6.31
836.5	100%,0	5.80	6.54
847.5	100%,0	5.74	6.51

LTE band 5 , 3MHz Bandwidth,QPSK

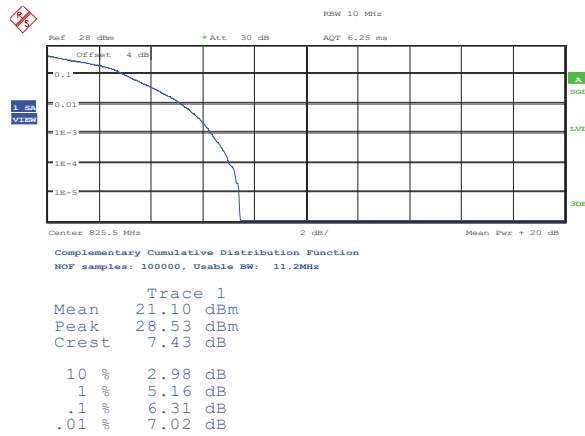
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Date: 23.JAN.2025 12:31:55

LTE band 5 , 3MHz Bandwidth,16QAM

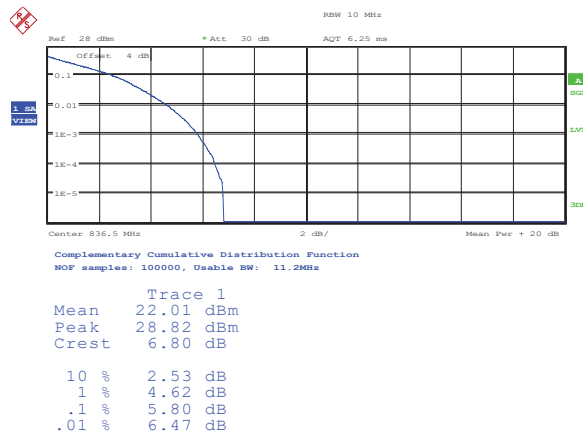


Date: 23.JAN.2025 12:32:15

LTE band 5 , 3MHz Bandwidth,QPSK

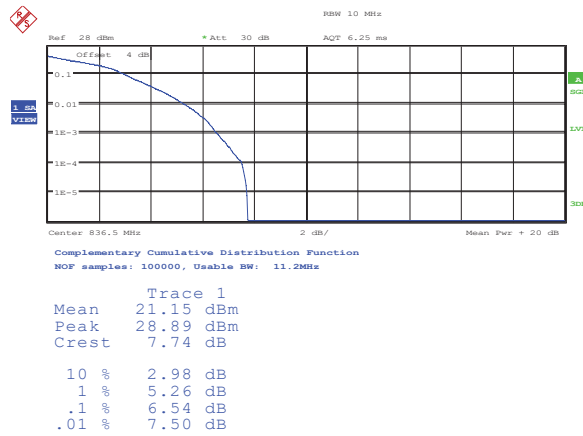
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Date: 23.JAN.2025 12:32:32

LTE band 5 , 3MHz Bandwidth,16QAM

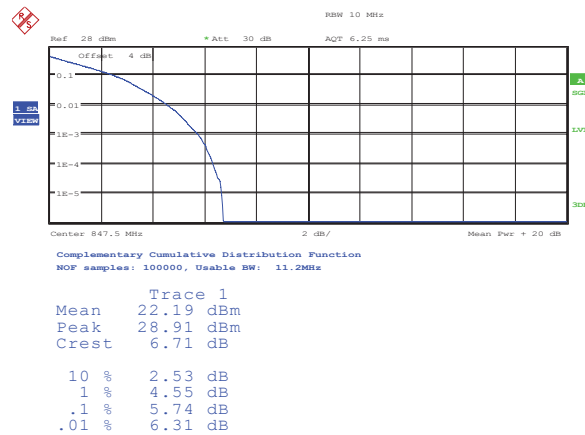


Date: 23.JAN.2025 12:32:45

LTE band 5 , 3MHz Bandwidth,QPSK

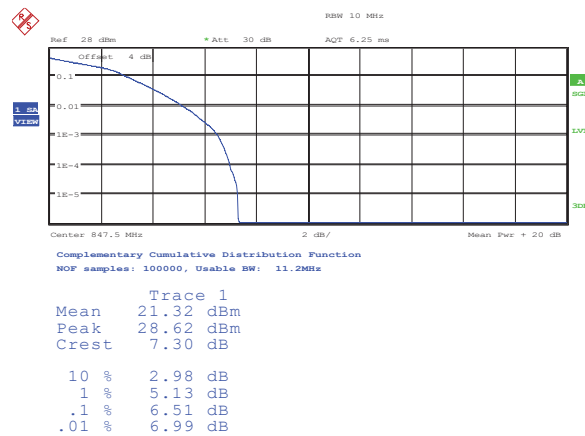
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Date: 23.JAN.2025 12:33:03

LTE band 5 , 3MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:33:16

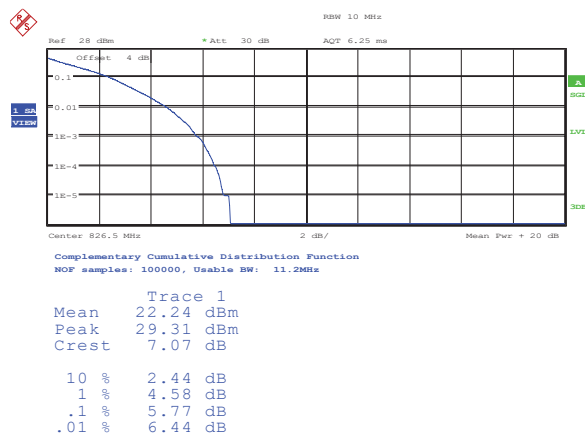
LTE Band 5, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
826.5	100%,0	5.77	6.31
836.5	100%,0	5.83	6.54
846.5	100%,0	5.61	6.31

LTE band 5 , 5MHz Bandwidth,QPSK

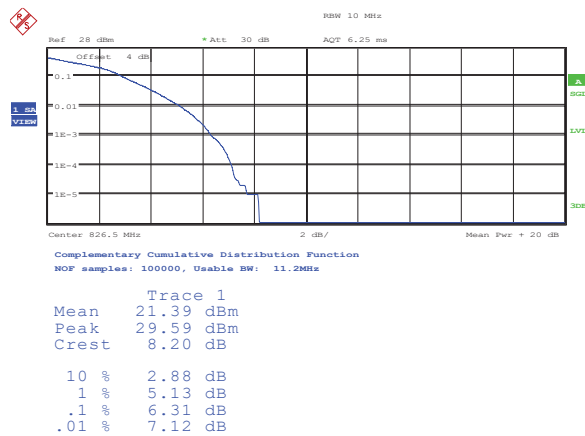
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Date: 23.JAN.2025 12:33:44

LTE band 5 , 5MHz Bandwidth,16QAM

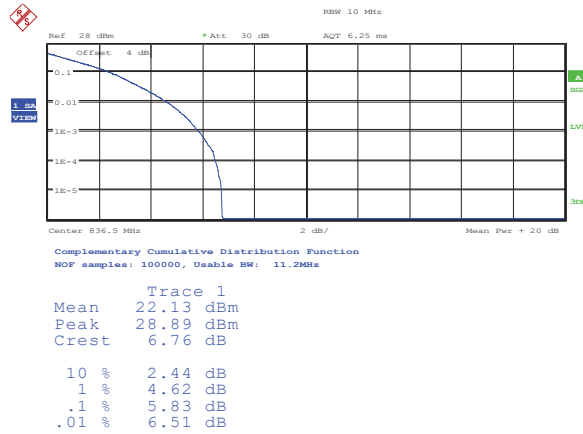


Date: 23.JAN.2025 12:33:56

LTE band 5 , 5MHz Bandwidth,QPSK

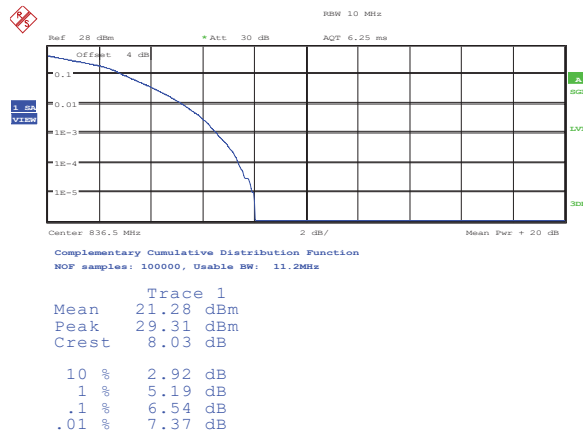
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Date: 23.JAN.2025 12:34:14

LTE band 5 , 5MHz Bandwidth,16QAM

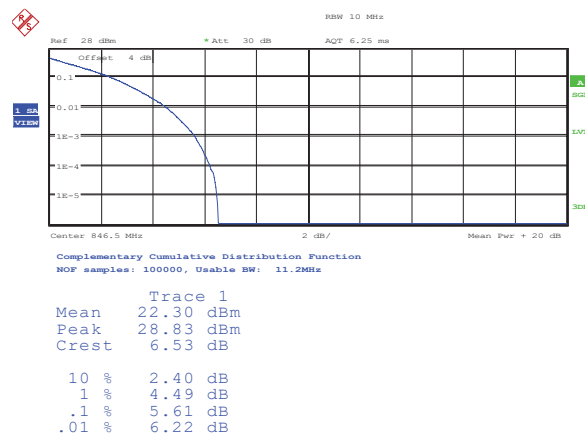


Date: 23.JAN.2025 12:34:29

LTE band 5 , 5MHz Bandwidth,QPSK

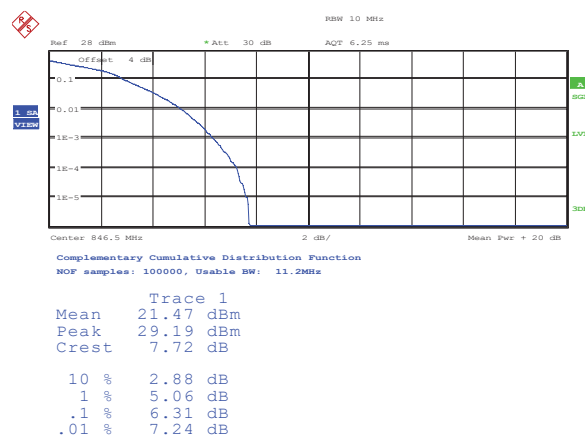
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Date: 23.JAN.2025 12:34:49

LTE band 5 , 5MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:35:03

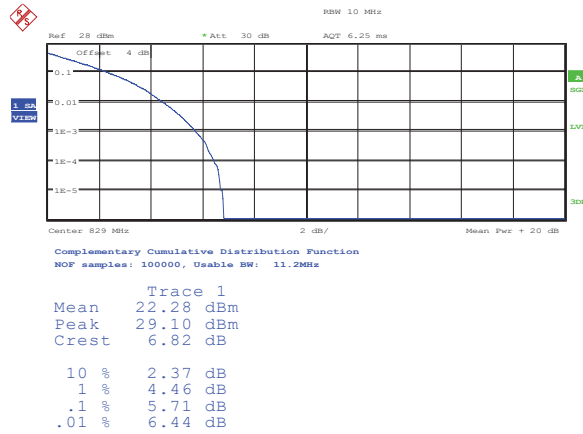
LTE Band 5, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
829	100%,0	5.71
836.5	100%,0	5.61
844	100%,0	5.61

LTE band 5 , 10MHz Bandwidth,QPSK

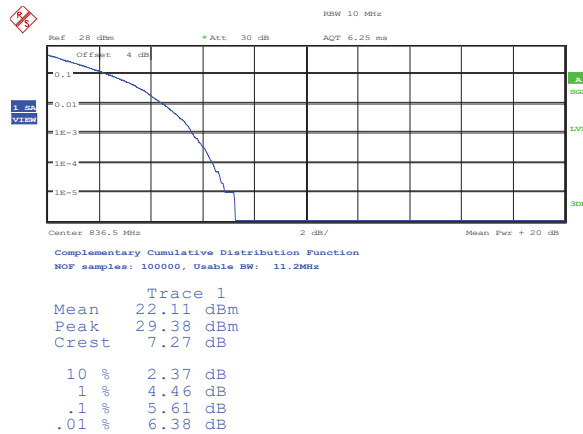
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Date: 23.JAN.2025 12:35:29

LTE band 5 , 10MHz Bandwidth,QPSK

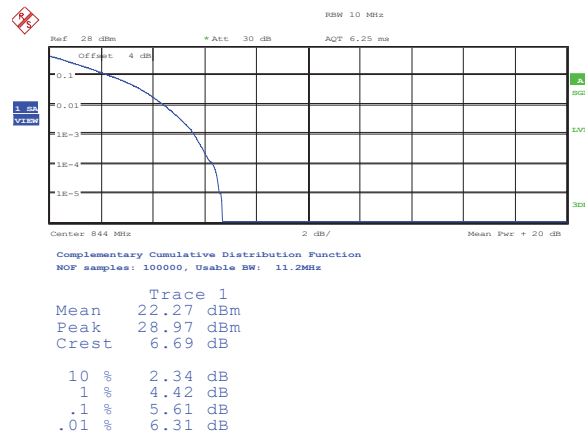


Date: 23.JAN.2025 12:35:46

LTE band 5 , 10MHz Bandwidth,QPSK

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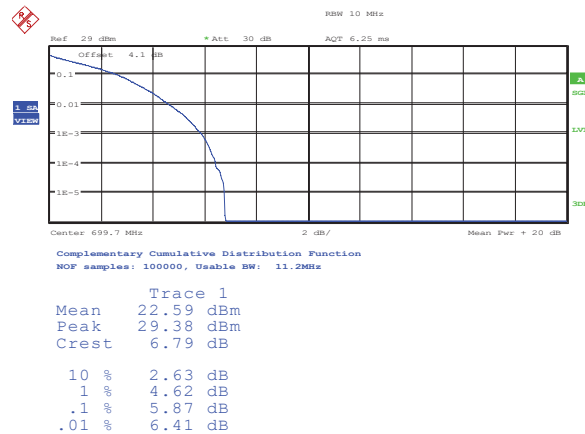


Date: 23.JAN.2025 12:36:12

LTE Band 12, 1.4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
699.7	100%,0	5.87	6.44
707.5	100%,0	5.87	6.63
715.3	100%,0	5.22	6.22

LTE band 12 , 1.4MHz Bandwidth,QPSK

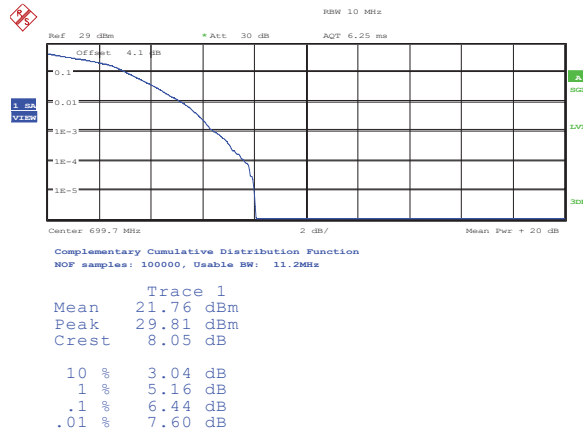


Date: 23.JAN.2025 12:36:55

LTE band 12 , 1.4MHz Bandwidth,16QAM

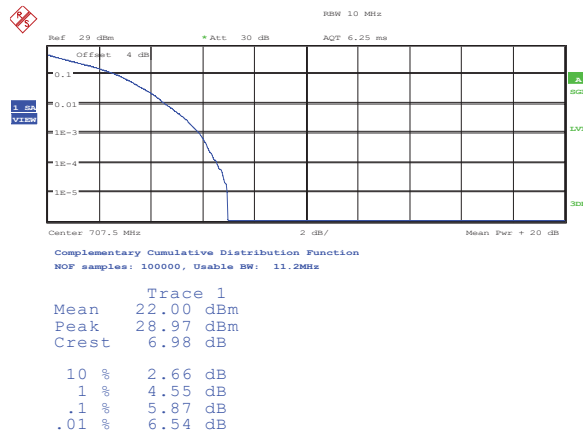
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Date: 23.JAN.2025 12:37:19

LTE band 12 , 1.4MHz Bandwidth,QPSK

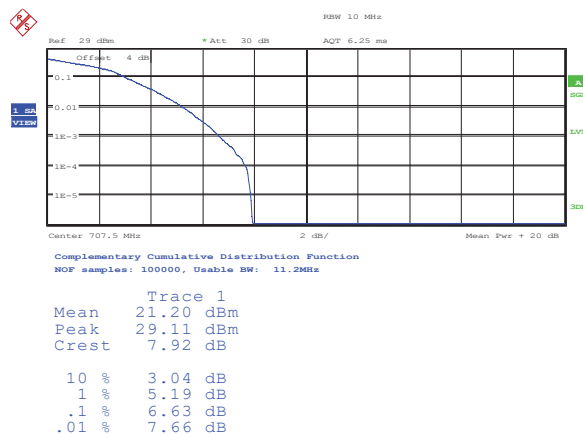


Date: 23.JAN.2025 12:37:37

LTE band 12 , 1.4MHz Bandwidth,16QAM

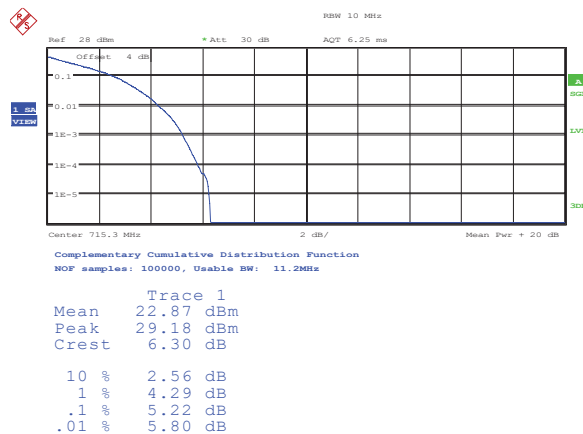
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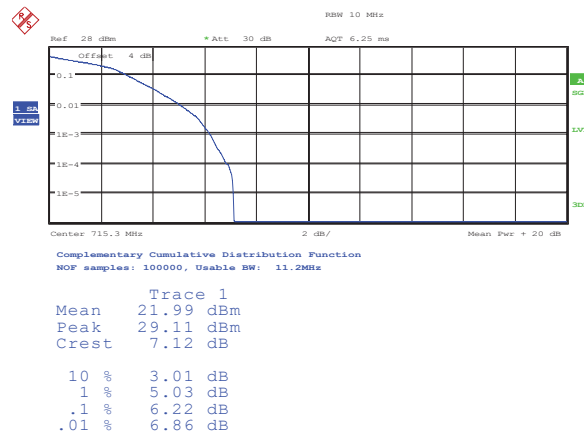
Date: 23.JAN.2025 12:37:55

LTE band 12 , 1.4MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:38:19

LTE band 12 , 1.4MHz Bandwidth,16QAM

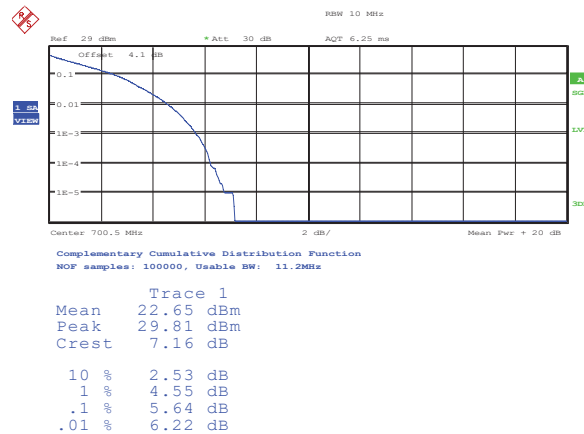


Date: 23.JAN.2025 12:38:39

LTE Band 12, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
700.5	100%,0	5.64	6.41
707.5	100%,0	5.87	6.57
714.5	100%,0	5.42	6.22

LTE band 12 , 3MHz Bandwidth,QPSK

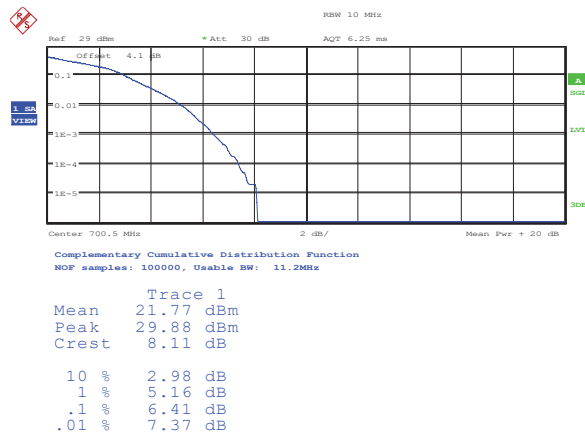


Date: 23.JAN.2025 12:39:23

LTE band 12 , 3MHz Bandwidth,16QAM

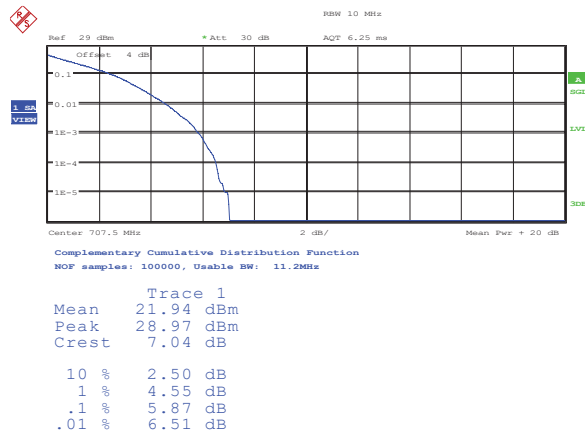
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Date: 23.JAN.2025 12:39:45

LTE band 12 , 3MHz Bandwidth,QPSK

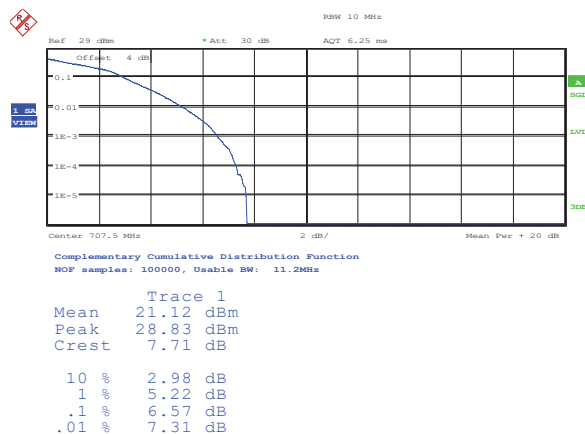


Date: 23.JAN.2025 12:40:06

LTE band 12 , 3MHz Bandwidth,16QAM

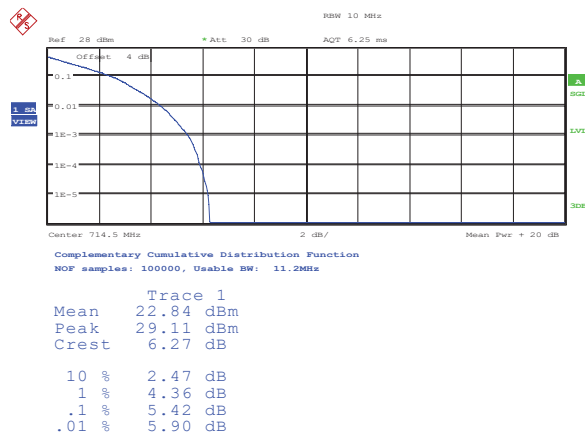
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Date: 23.JAN.2025 12:40:27

LTE band 12 , 3MHz Bandwidth,QPSK

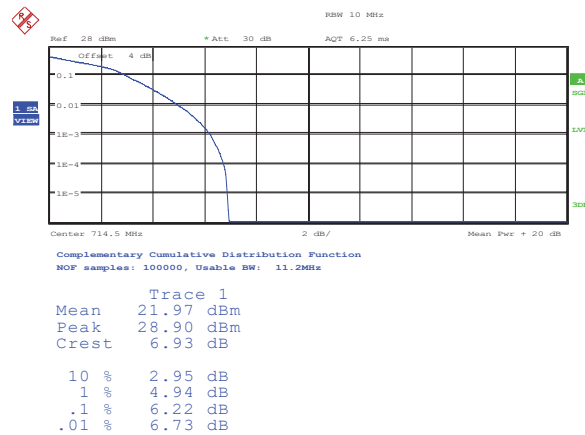


Date: 23.JAN.2025 12:40:52

LTE band 12 , 3MHz Bandwidth,16QAM

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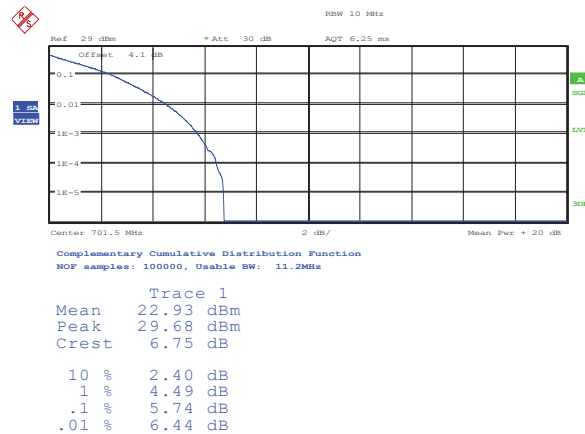


Date: 23.JAN.2025 12:41:14

LTE Band 12, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
701.5	100%,0	5.74	6.47
707.5	100%,0	5.83	6.51
713.5	100%,0	5.38	6.06

LTE band 12 , 5MHz Bandwidth,QPSK

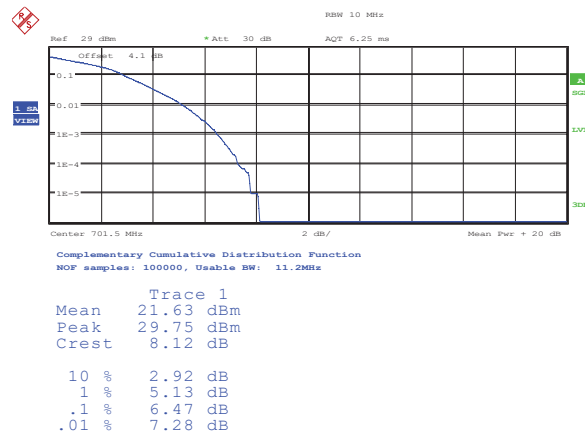


Date: 23.JAN.2025 12:41:42

LTE band 12 , 5MHz Bandwidth,16QAM

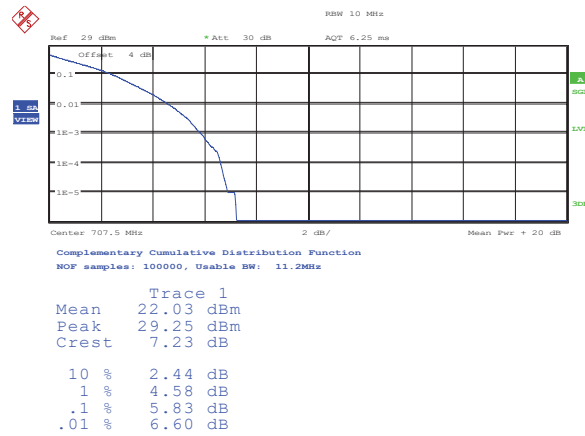
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Date: 23.JAN.2025 13:31:59

LTE band 12 , 5MHz Bandwidth,QPSK

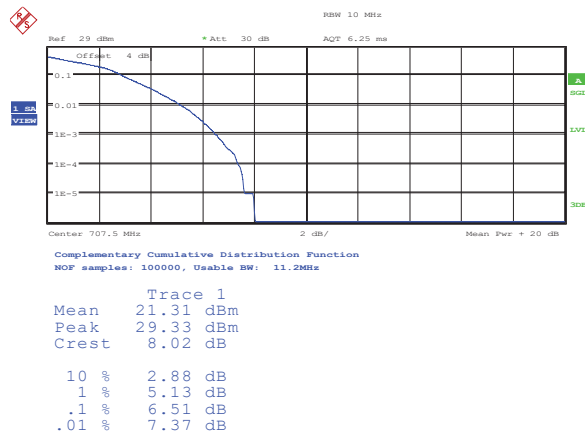


Date: 23.JAN.2025 13:32:16

LTE band 12 , 5MHz Bandwidth,16QAM

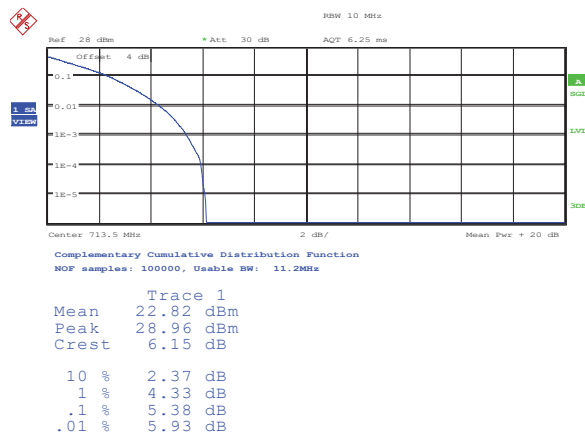
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Date: 23.JAN.2025 12:42:53

LTE band 12 , 5MHz Bandwidth,QPSK

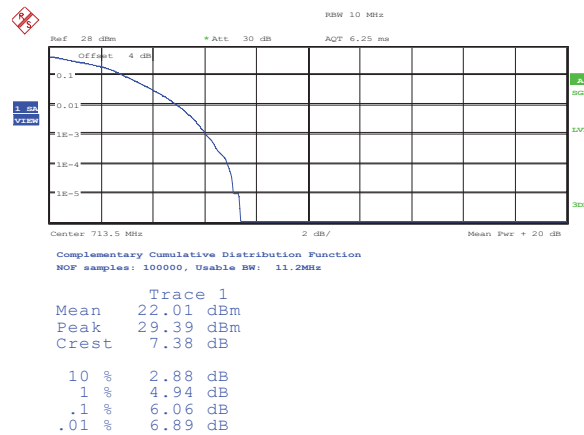


Date: 23.JAN.2025 12:43:14

LTE band 12 , 5MHz Bandwidth,16QAM

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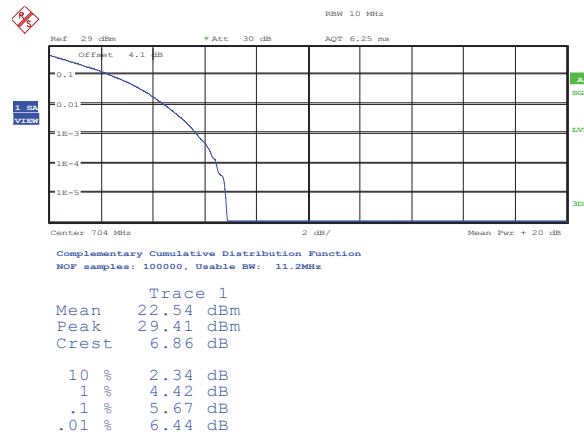


Date: 23.JAN.2025 12:43:34

LTE Band 12, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
704	100%,0	5.67
707.5	100%,0	5.58
711	100%,0	5.54

LTE band 12 , 10MHz Bandwidth,QPSK

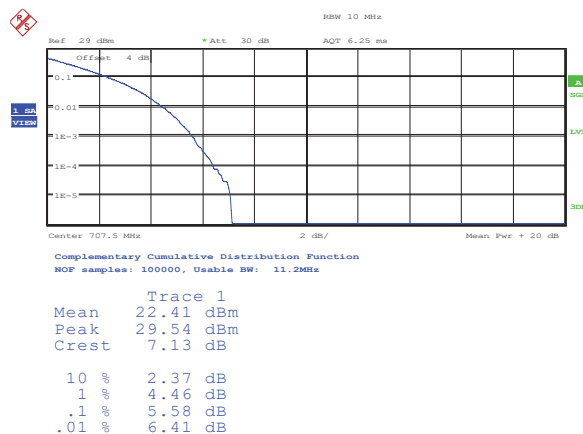


Date: 23.JAN.2025 12:44:02

LTE band 12 , 10MHz Bandwidth,QPSK

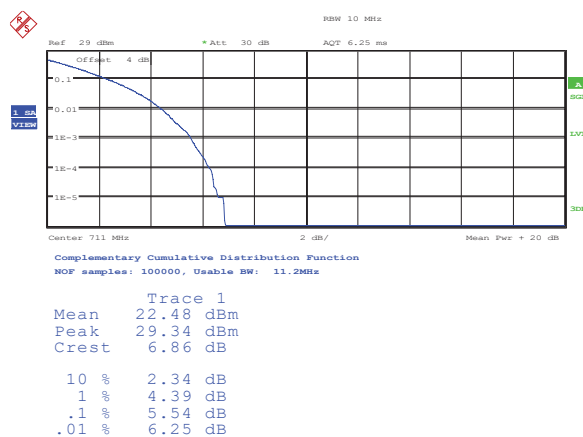
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Date: 23.JAN.2025 12:44:27

LTE band 12 , 10MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:44:44

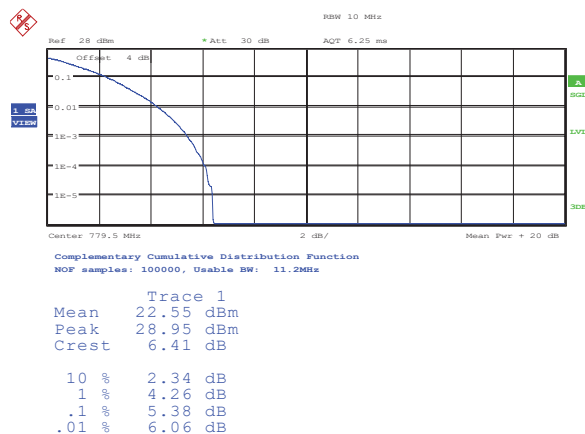
LTE Band 13, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
779.5	100%,0	5.38	6.12
782	100%,0	5.35	6.12
784.5	100%,0	5.48	6.09

LTE band 13 , 5MHz Bandwidth,QPSK

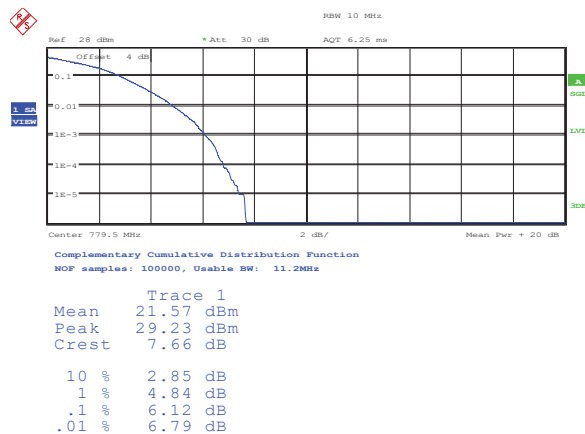
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Date: 23.JAN.2025 12:45:17

LTE band 13 , 5MHz Bandwidth,16QAM

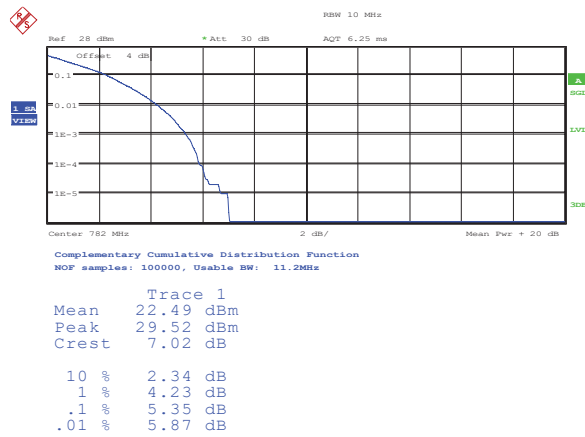


Date: 23.JAN.2025 12:45:37

LTE band 13 , 5MHz Bandwidth,QPSK

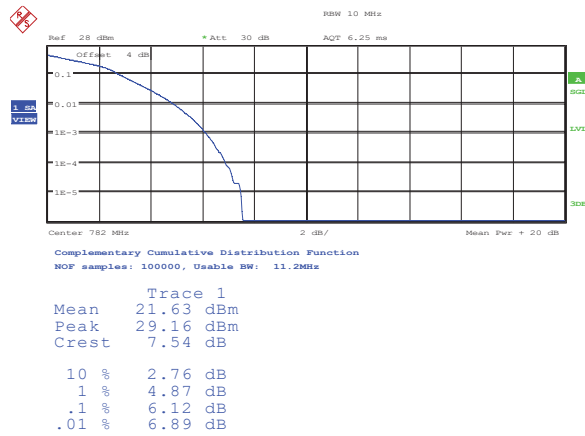
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Date: 23.JAN.2025 12:46:01

LTE band 13 , 5MHz Bandwidth,16QAM

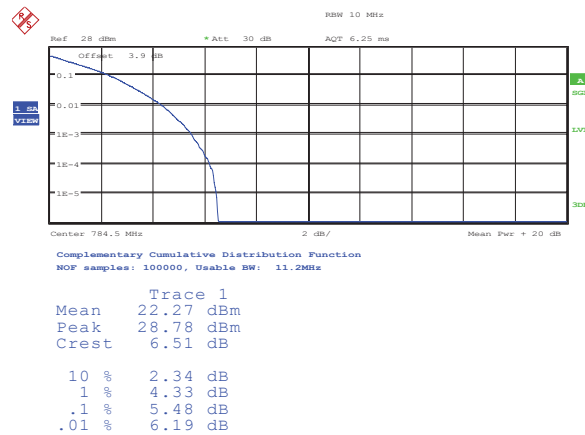


Date: 23.JAN.2025 12:46:28

LTE band 13 , 5MHz Bandwidth,QPSK

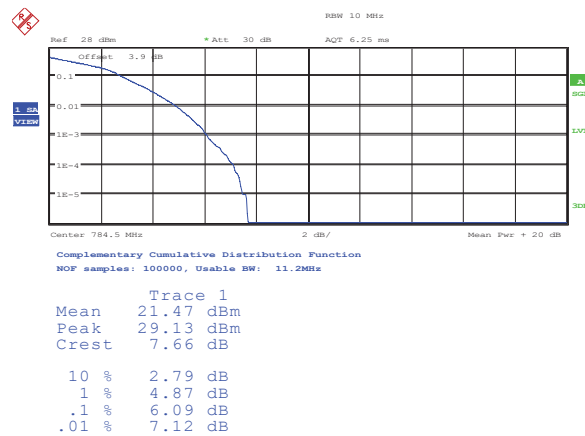
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Date: 23.JAN.2025 12:46:46

LTE band 13 , 5MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:47:03

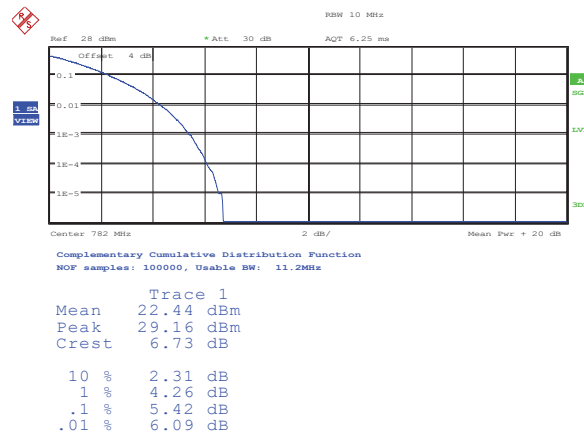
LTE Band 13, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
782	100%,0	5.42

LTE band 13 , 10MHz Bandwidth,QPSK

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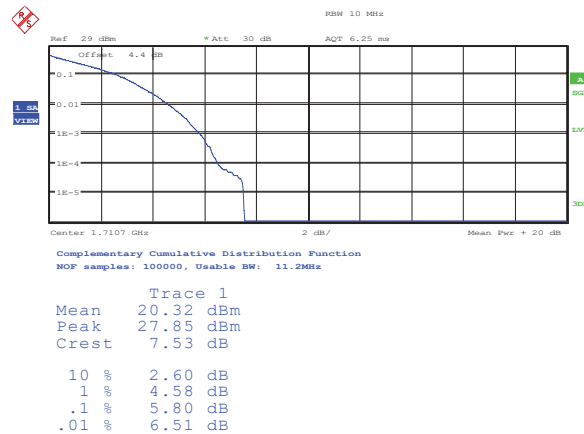


Date: 23.JAN.2025 12:47:44

LTE Band 66, 1.4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1710.7	100%,0	5.80	6.51
1745	100%,0	5.90	6.70
1779.3	100%,0	5.71	6.70

LTE band 66 , 1.4MHz Bandwidth,QPSK

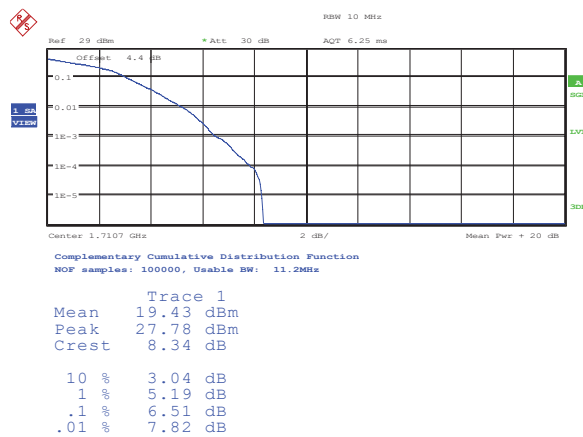


Date: 23.JAN.2025 12:48:42

LTE band 66 , 1.4MHz Bandwidth,16QAM

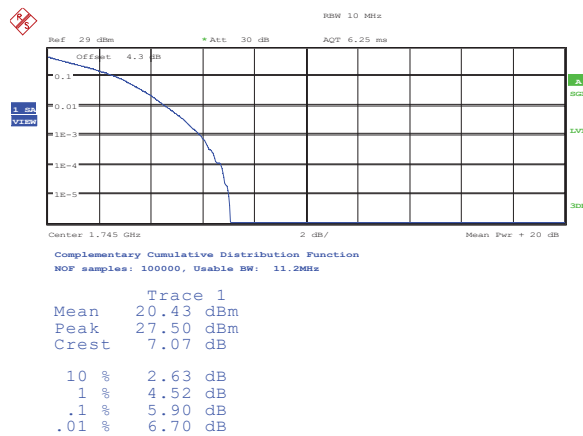
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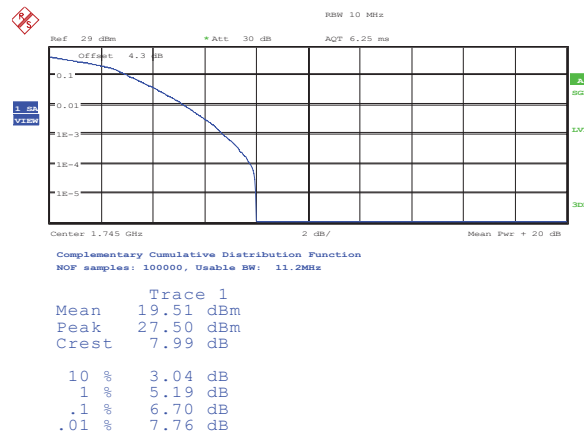
Date: 23.JAN.2025 12:48:58

LTE band 66 , 1.4MHz Bandwidth,QPSK



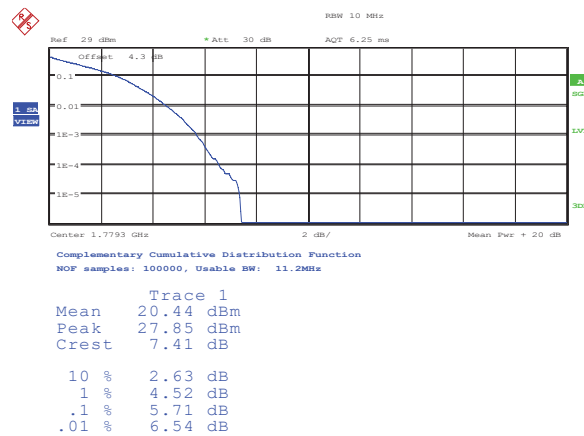
Date: 23.JAN.2025 12:49:16

LTE band 66 , 1.4MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:49:35

LTE band 66 , 1.4MHz Bandwidth,QPSK

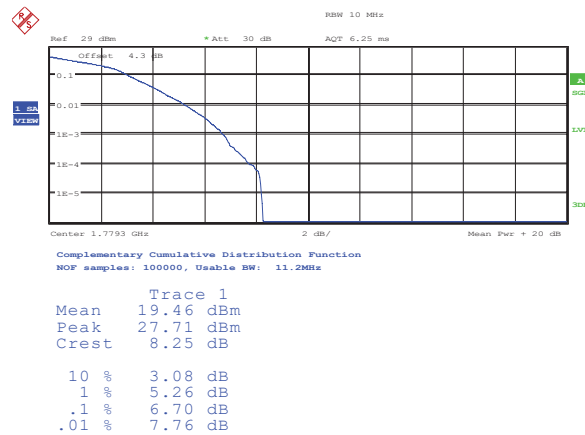


Date: 23.JAN.2025 12:49:59

LTE band 66 , 1.4MHz Bandwidth,16QAM

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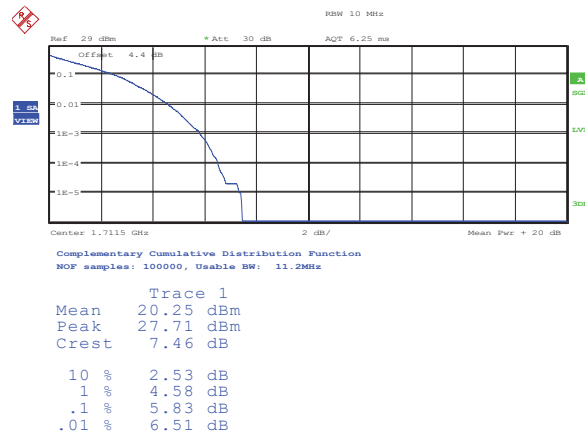


Date: 23.JAN.2025 12:50:17

LTE Band 66, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1711.5	100%,0	5.83	6.44
1745	100%,0	5.80	6.60
1778.5	100%,0	5.77	6.63

LTE band 66 , 3MHz Bandwidth,QPSK

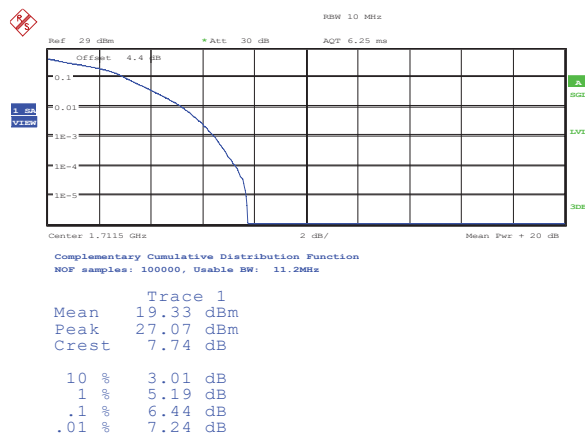


Date: 23.JAN.2025 12:50:42

LTE band 66 , 3MHz Bandwidth,16QAM

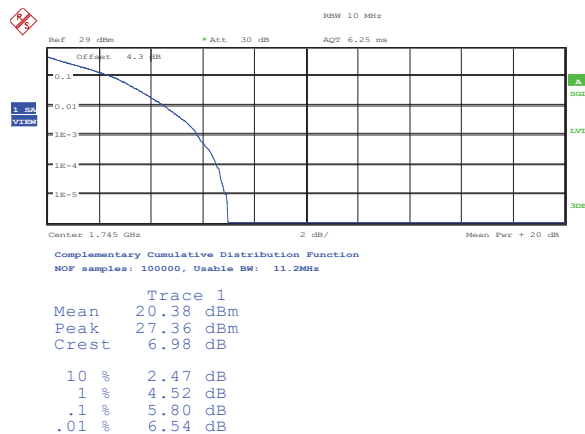
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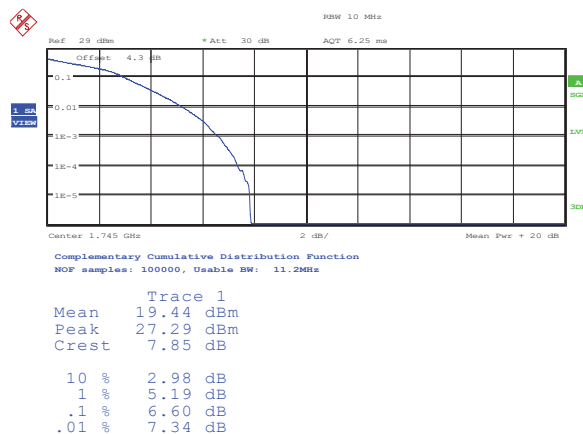
Date: 23.JAN.2025 12:50:59

LTE band 66 , 3MHz Bandwidth,QPSK



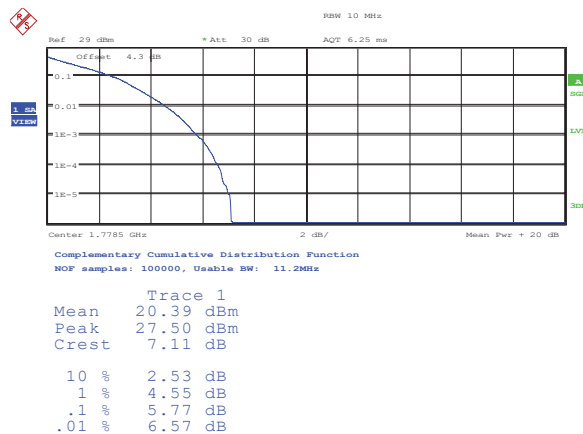
Date: 23.JAN.2025 12:51:16

LTE band 66 , 3MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:51:29

LTE band 66 , 3MHz Bandwidth,QPSK

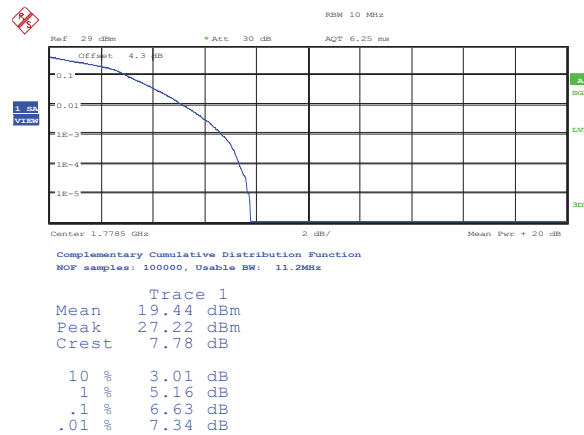


Date: 23.JAN.2025 12:51:47

LTE band 66 , 3MHz Bandwidth,16QAM

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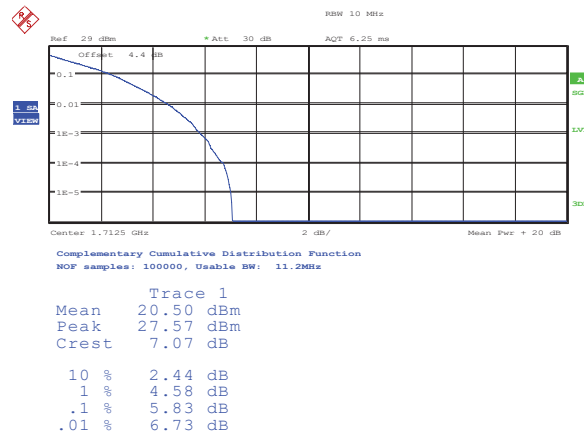


Date: 23.JAN.2025 12:52:05

LTE Band 66, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1712.5	100%,0	5.83	6.44
1745	100%,0	5.80	6.51
1777.5	100%,0	5.71	6.35

LTE band 66 , 5MHz Bandwidth,QPSK

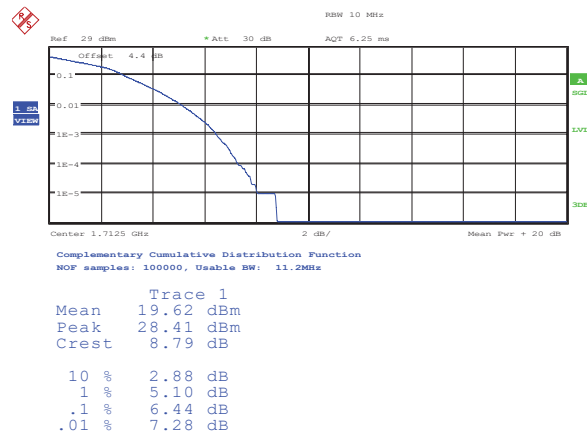


Date: 23.JAN.2025 12:52:32

LTE band 66 , 5MHz Bandwidth,16QAM

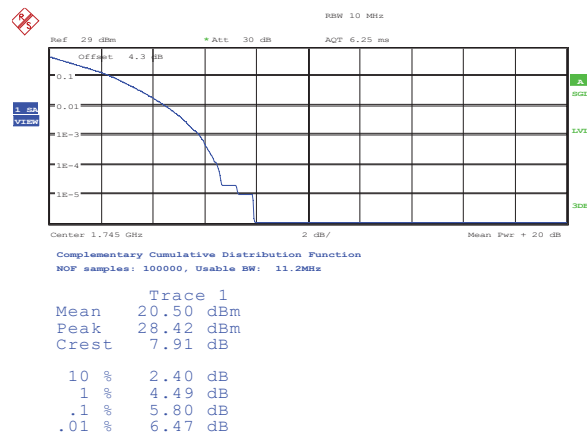
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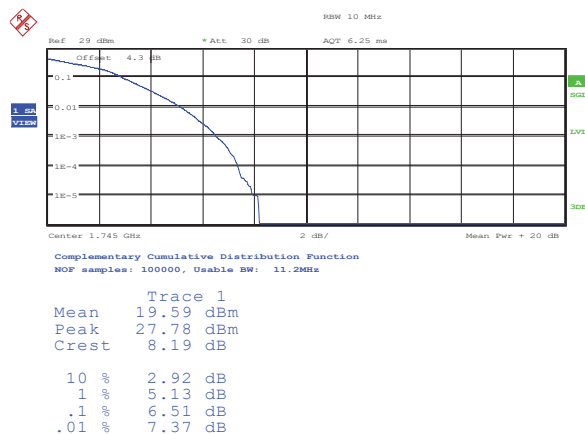
Date: 23.JAN.2025 12:52:45

LTE band 66 , 5MHz Bandwidth,QPSK



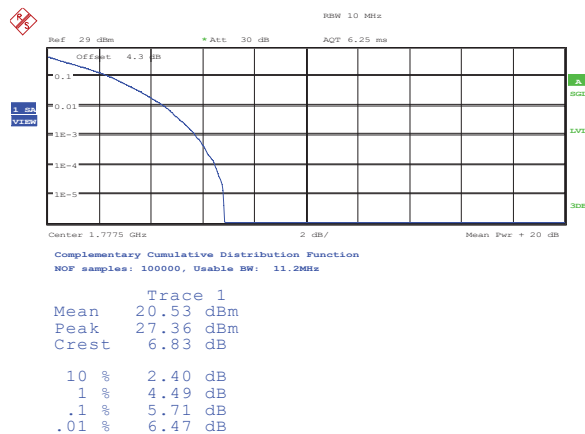
Date: 23.JAN.2025 12:53:05

LTE band 66 , 5MHz Bandwidth,16QAM



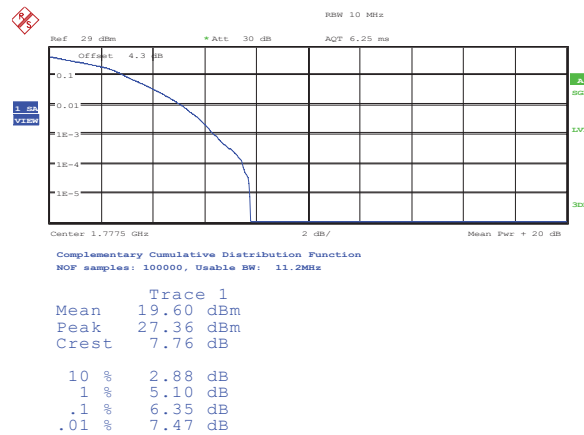
Date: 23.JAN.2025 12:53:20

LTE band 66 , 5MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:53:39

LTE band 66 , 5MHz Bandwidth,16QAM

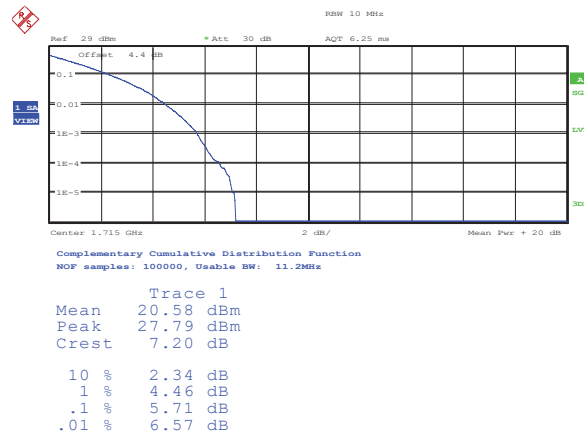


Date: 23.JAN.2025 12:53:54

LTE Band 66, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1715	100%,0	5.71
1745	100%,0	5.54
1775	100%,0	5.58

LTE band 66 , 10MHz Bandwidth,QPSK

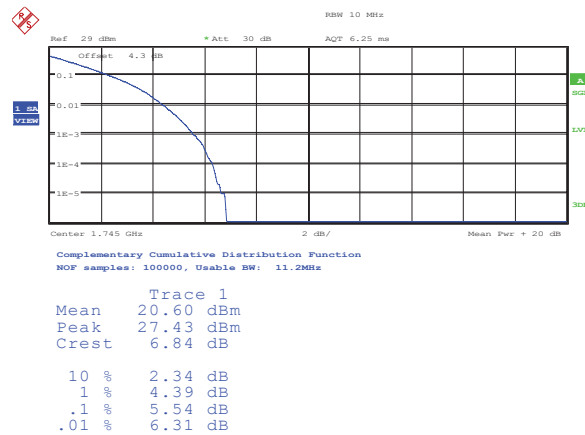


Date: 23.JAN.2025 12:54:22

LTE band 66 , 10MHz Bandwidth,QPSK

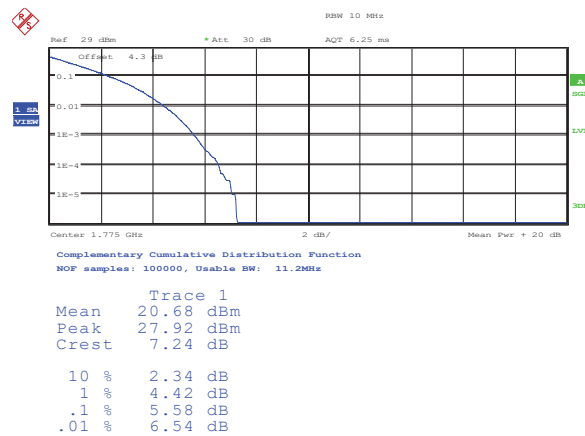
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Date: 23.JAN.2025 12:54:39

LTE band 66 , 10MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:54:56

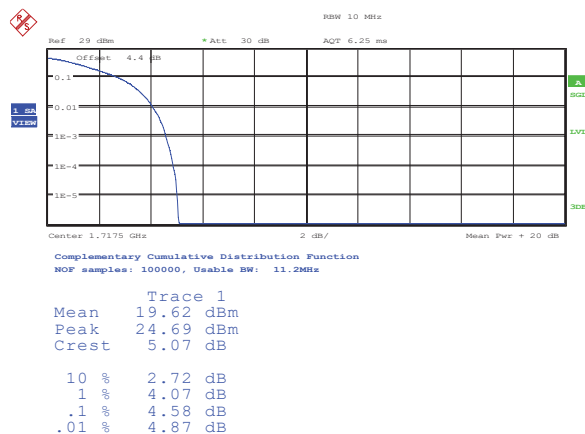
LTE Band 66, 15MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1717.5	100%,0	4.58
1745	100%,0	4.62
1772.5	100%,0	4.58

LTE band 66 , 15MHz Bandwidth,QPSK

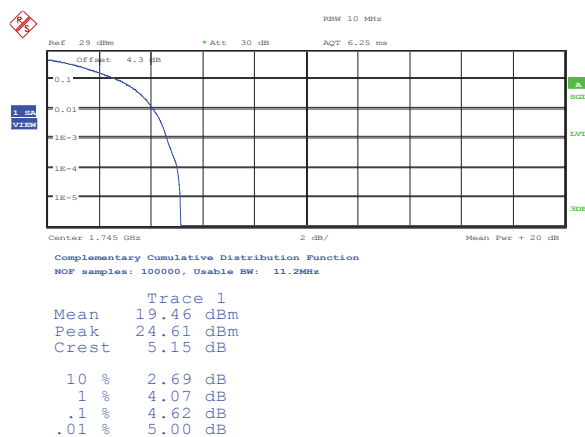
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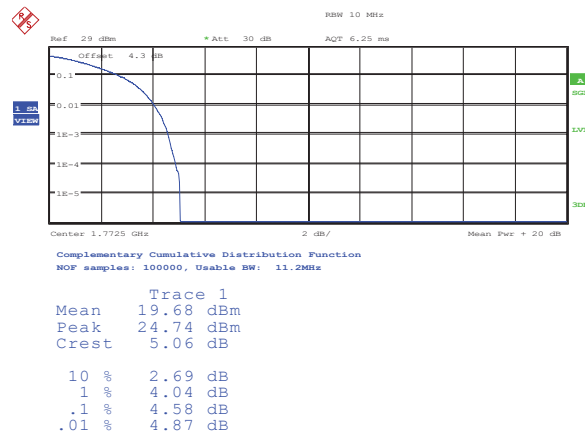
Date: 23.JAN.2025 12:55:23

LTE band 66 , 15MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:55:43

LTE band 66 , 15MHz Bandwidth,QPSK

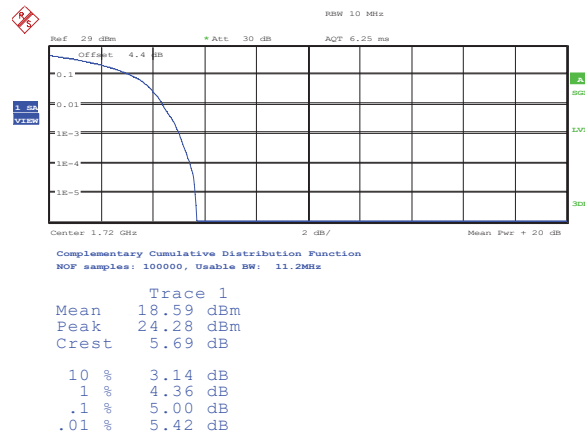


Date: 23.JAN.2025 12:56:00

LTE Band 66, 20MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1720	100%,0	5.00
1745	100%,0	5.03
1770	100%,0	5.00

LTE band 66 , 20MHz Bandwidth,QPSK

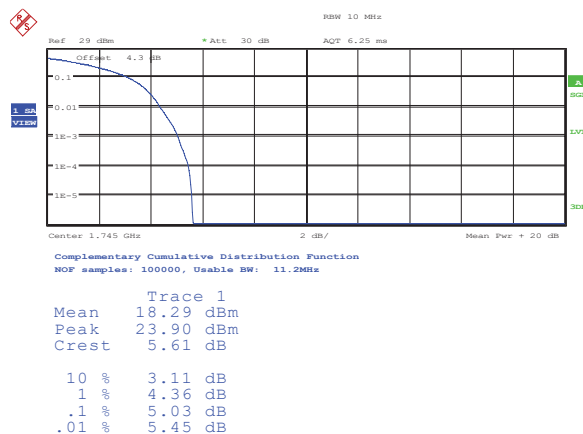


Date: 23.JAN.2025 12:56:26

LTE band 66 , 20MHz Bandwidth,QPSK

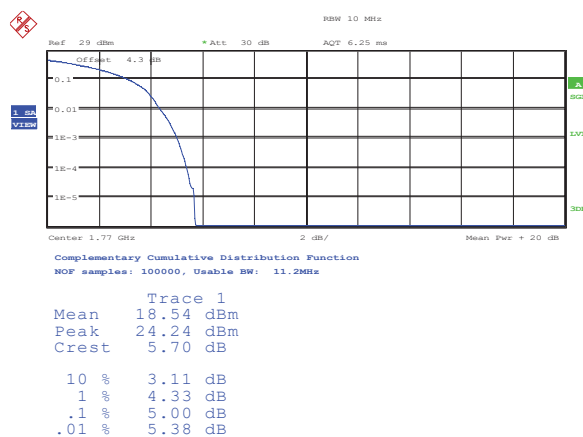
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Date: 23.JAN.2025 12:56:43

LTE band 66 , 20MHz Bandwidth,QPSK



Date: 23.JAN.2025 12:57:01

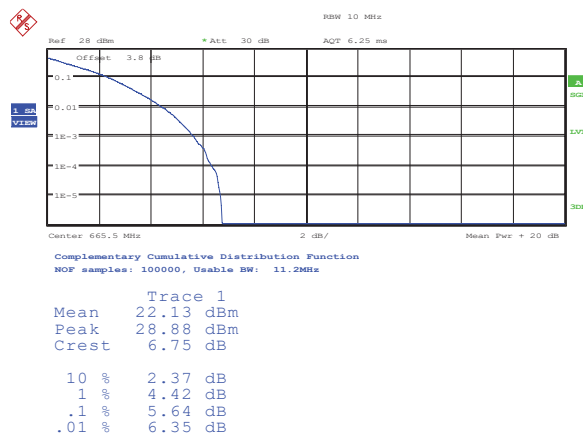
LTE Band 71, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
665.5	100%,0	5.64	6.25
680.5	100%,0	5.74	6.51
695.5	100%,0	5.64	6.35

LTE band 71 , 5MHz Bandwidth,QPSK

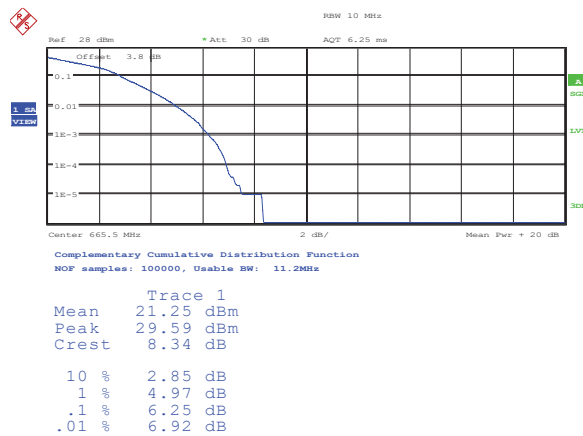
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Date: 23.JAN.2025 12:57:36

LTE band 71 , 5MHz Bandwidth,16QAM

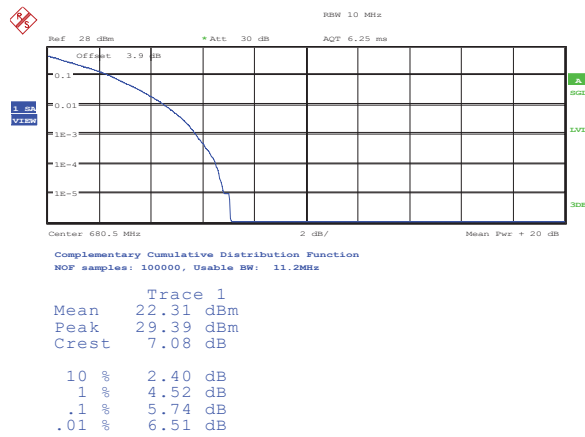


Date: 23.JAN.2025 12:57:49

LTE band 71 , 5MHz Bandwidth,QPSK

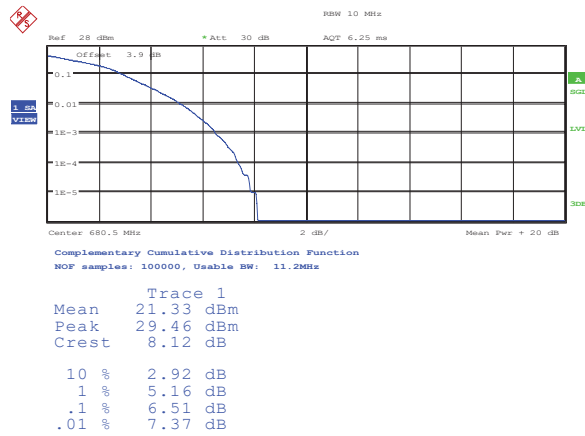
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Date: 23.JAN.2025 12:58:08

LTE band 71 , 5MHz Bandwidth,16QAM

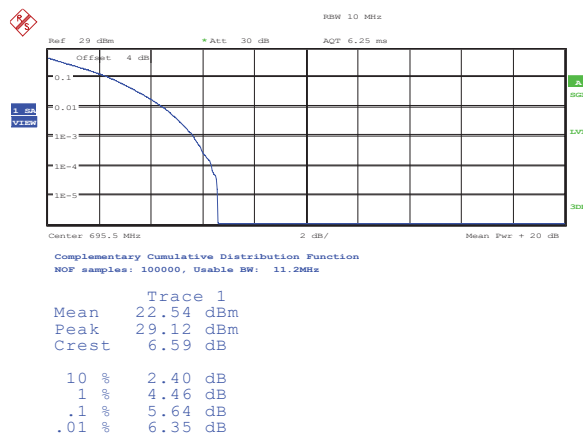


Date: 23.JAN.2025 12:58:21

LTE band 71 , 5MHz Bandwidth,QPSK

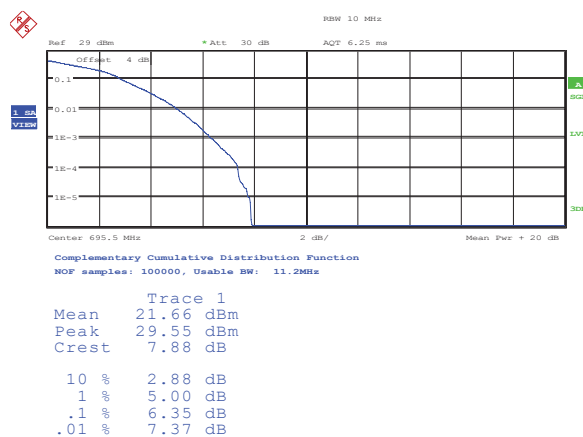
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Date: 23.JAN.2025 12:58:38

LTE band 71 , 5MHz Bandwidth,16QAM



Date: 23.JAN.2025 12:59:02

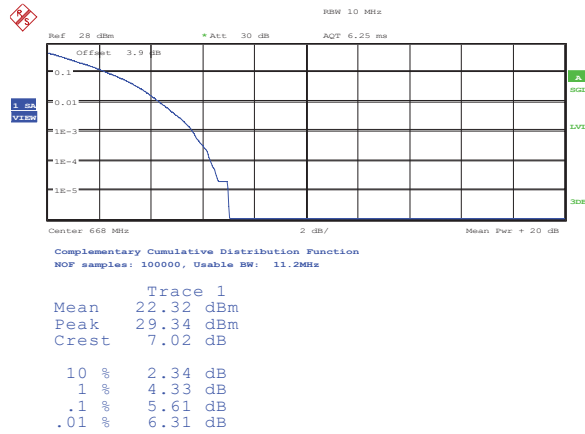
LTE Band 71, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
668	100%,0	5.61
680.5	100%,0	5.54
693	100%,0	5.58

LTE band 71 , 10MHz Bandwidth,QPSK

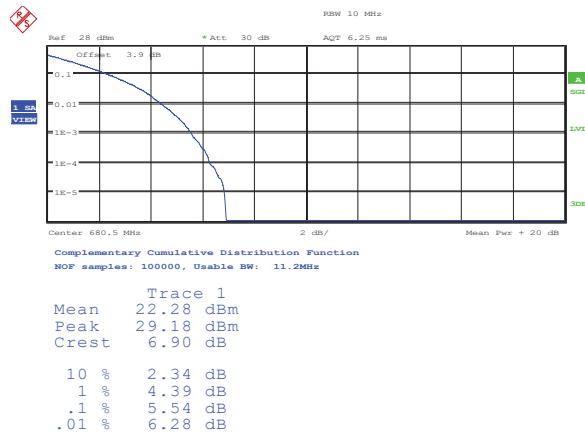
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Date: 23.JAN.2025 12:59:29

LTE band 71 , 10MHz Bandwidth,QPSK

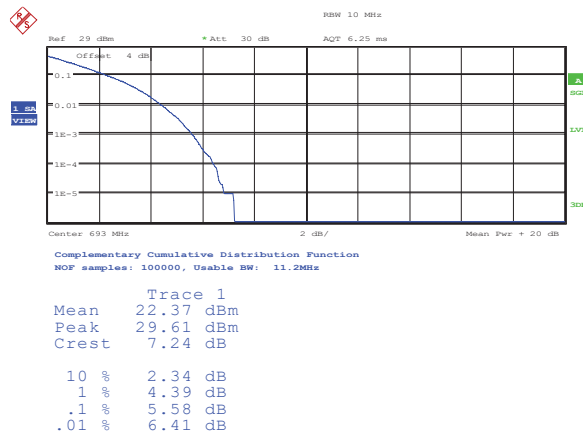


Date: 23.JAN.2025 12:59:53

LTE band 71 , 10MHz Bandwidth,QPSK

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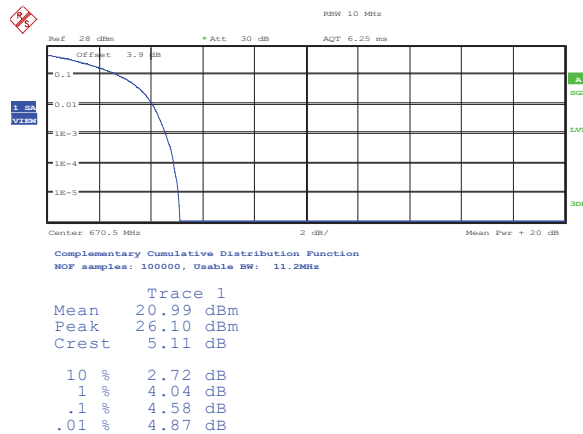


Date: 23.JAN.2025 13:00:13

LTE Band 71, 15MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
670.5	100%,0	4.58
680.5	100%,0	4.58
690.5	100%,0	4.58

LTE band 71 , 15MHz Bandwidth,QPSK

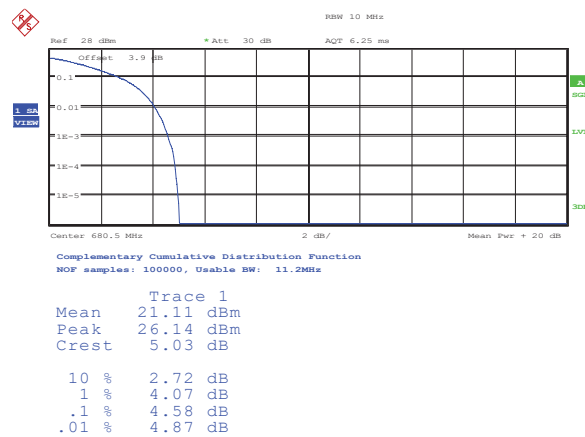


Date: 23.JAN.2025 13:00:38

LTE band 71 , 15MHz Bandwidth,QPSK

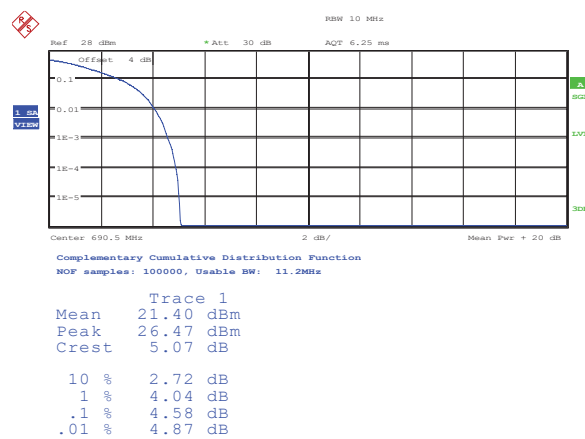
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Date: 23.JAN.2025 13:00:56

LTE band 71 , 15MHz Bandwidth,QPSK



Date: 23.JAN.2025 13:01:16

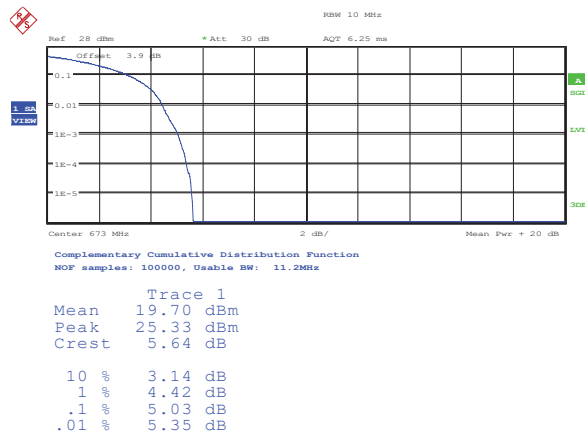
LTE Band 71, 20MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
673	100%,0	5.03
683	100%,0	5.03
688	100%,0	5.06

LTE band 71 , 20MHz Bandwidth,QPSK

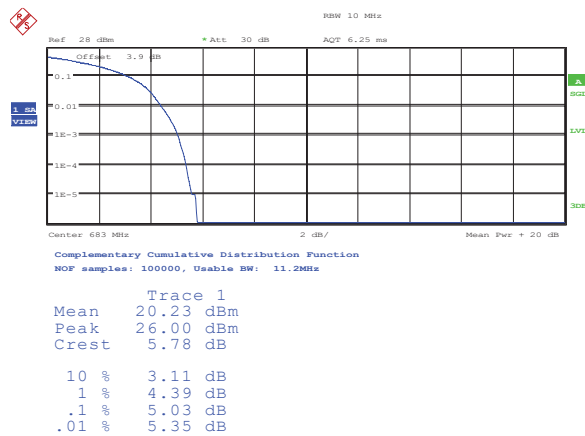
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Date: 23.JAN.2025 13:01:51

LTE band 71 , 20MHz Bandwidth,QPSK

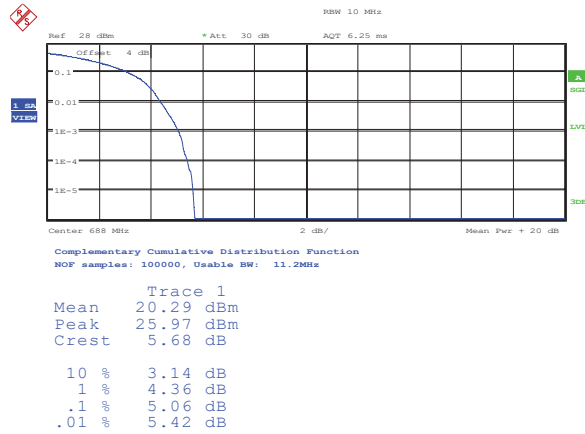


Date: 23.JAN.2025 13:02:16

LTE band 71 , 20MHz Bandwidth,QPSK



Report No.: 25B02W000002-001



Date: 23.JAN.2025 13:02:41

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Report No.: 25B02W000002-001

ANNEX A EUT Photos

See the document” 25B02W000002-External Photos”.

See the document” 25B02W000002-Internal Photos ”.

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Report No.: 25B02W000002-001

ANNEX B Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

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

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