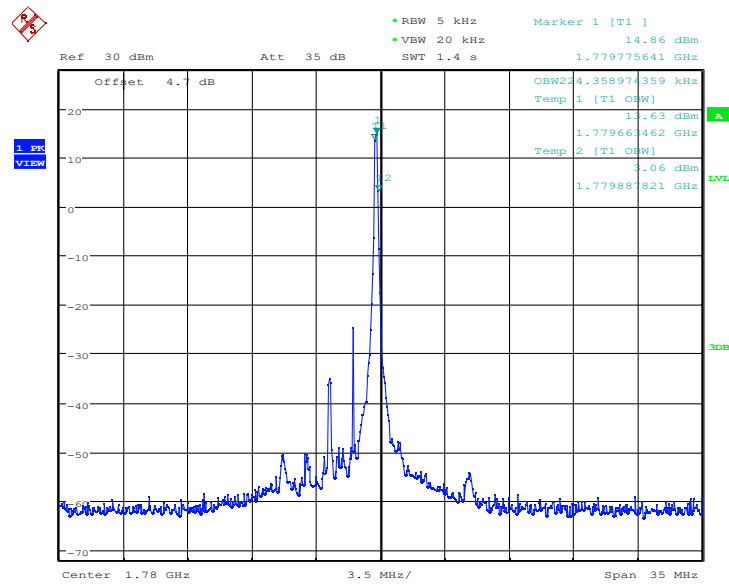
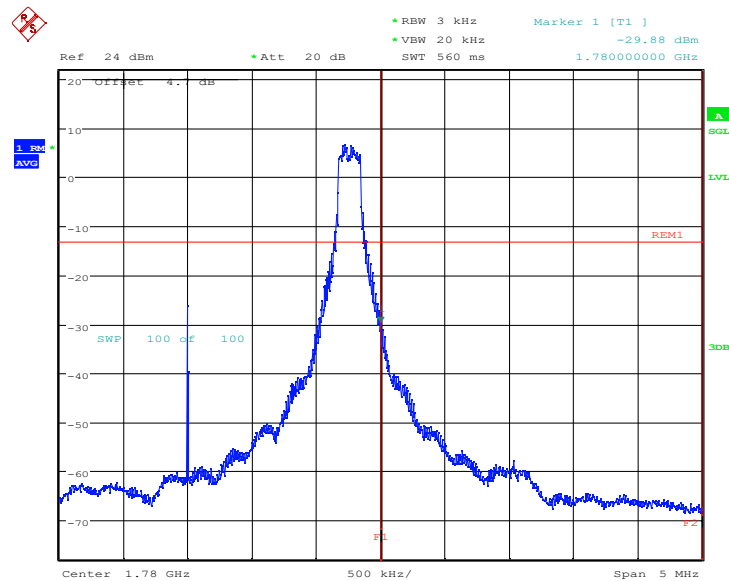




Date: 9.MAY.2024 17:42:04

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

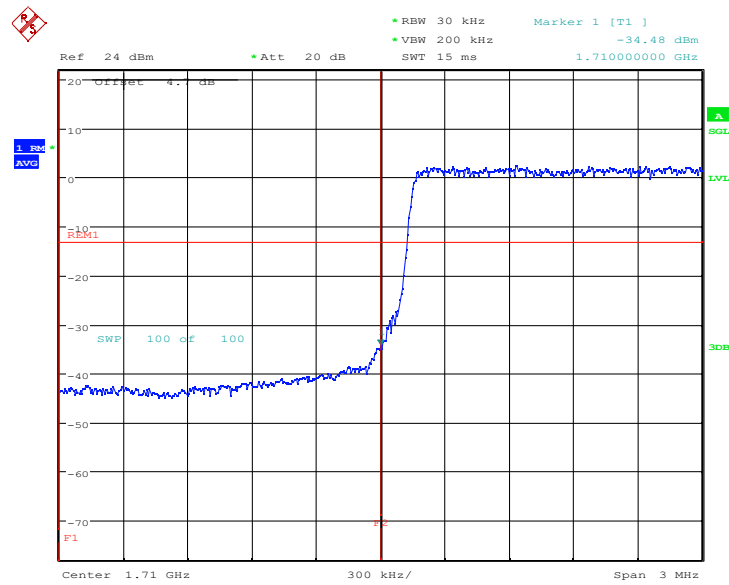


Date: 9.MAY.2024 17:43:41

LOW BAND EDGE BLOCK-3M-100%RB

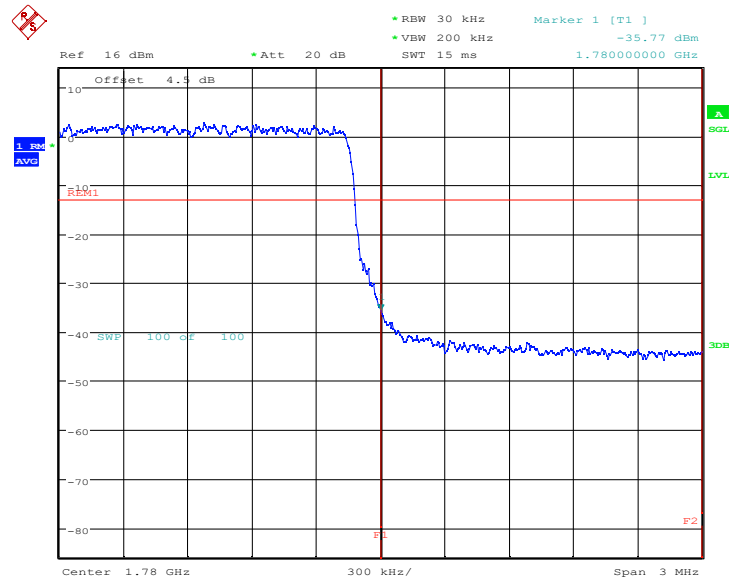
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Date: 9.MAY.2024 17:41:38

HIGH BAND EDGE BLOCK-3M-100%RB



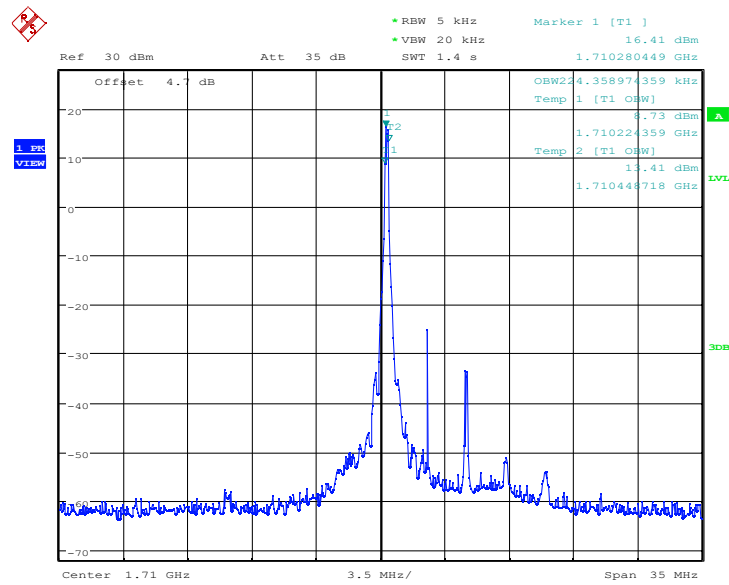
Date: 9.MAY.2024 13:42:46

LTE band 66-5MHz

OBW: 1RB-LOW_offset

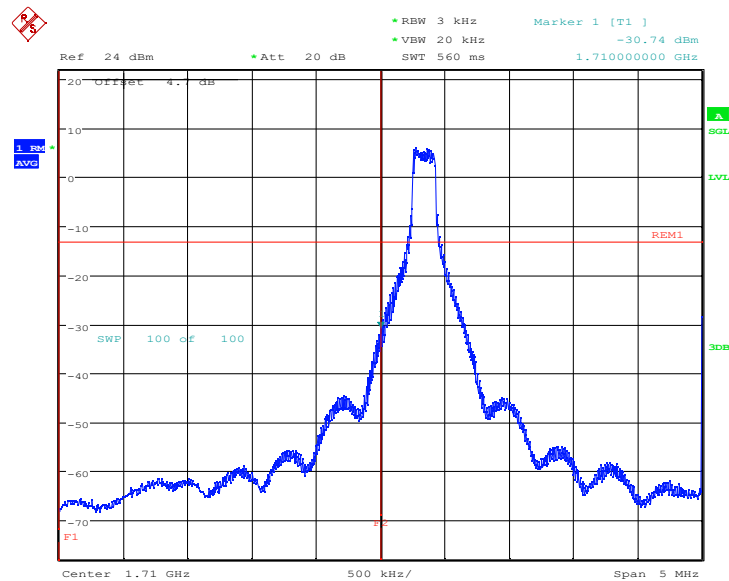
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Date: 9.MAY.2024 15:39:56

LOW BAND EDGE BLOCK-1RB-LOW_offset

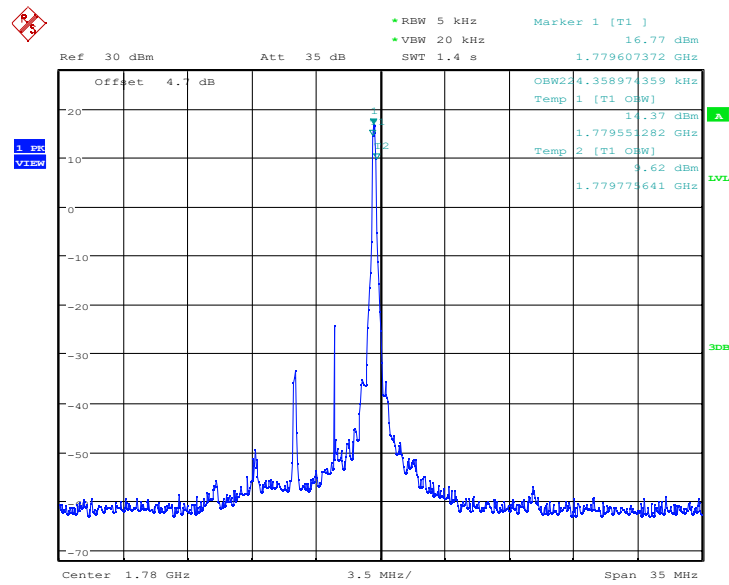


Date: 9.MAY.2024 15:41:34

OBW: 1RB-HIGH_offset

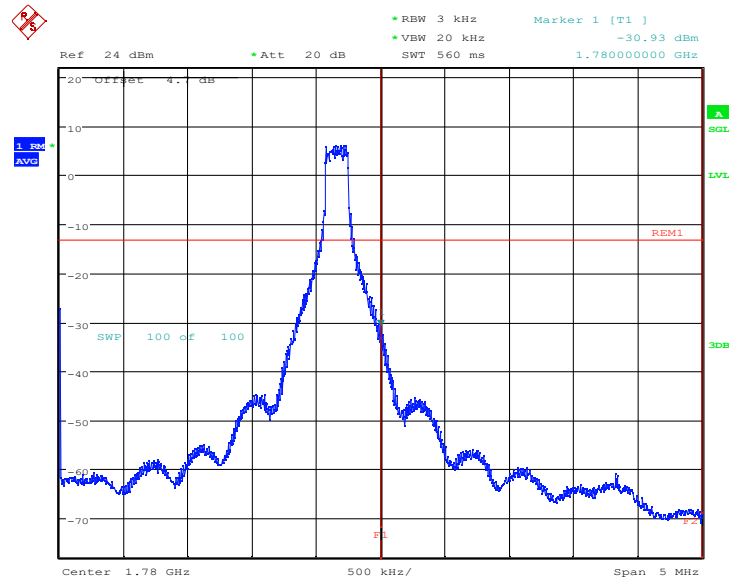
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Date: 9.MAY.2024 15:42:44

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

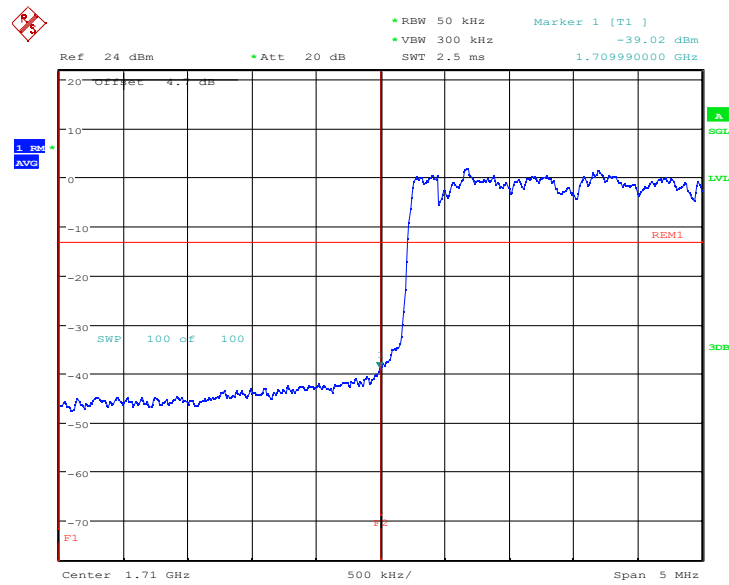


Date: 9.MAY.2024 15:44:20

LOW BAND EDGE BLOCK-5M-100%RB

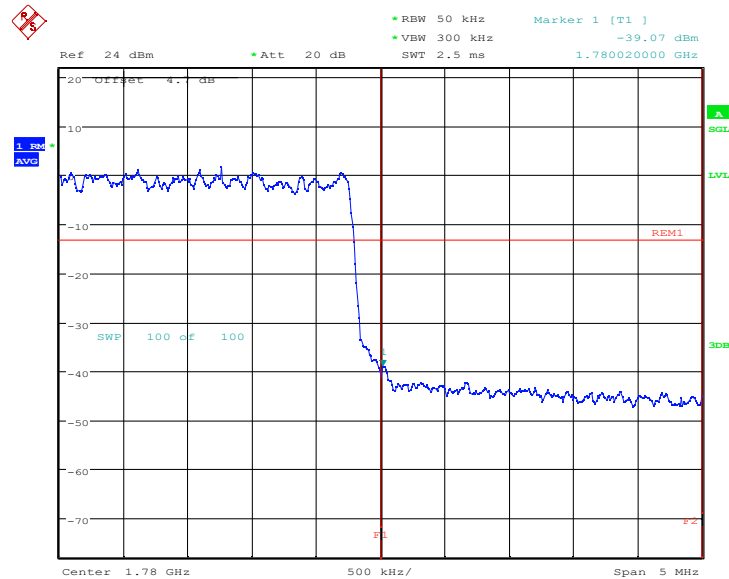
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Date: 9.MAY.2024 15:42:17

HIGH BAND EDGE BLOCK-5M-100%RB



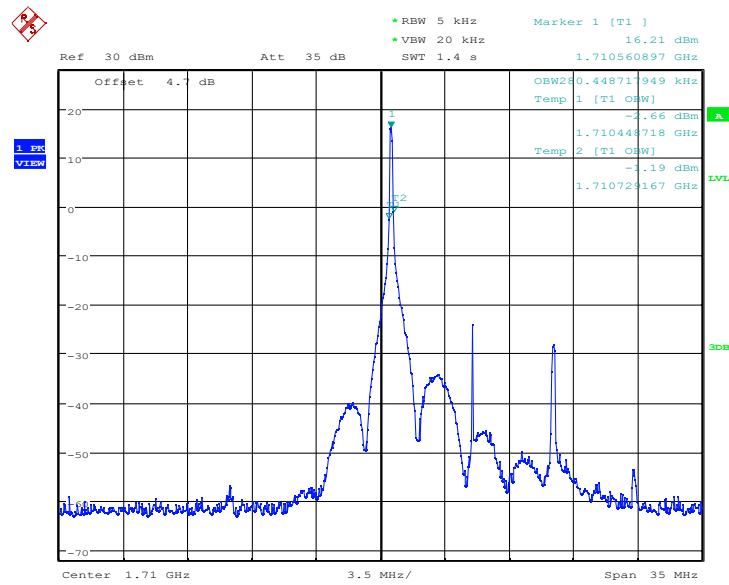
Date: 9.MAY.2024 15:45:02

LTE band 66-10MHz

OBW: 1RB-LOW_offset

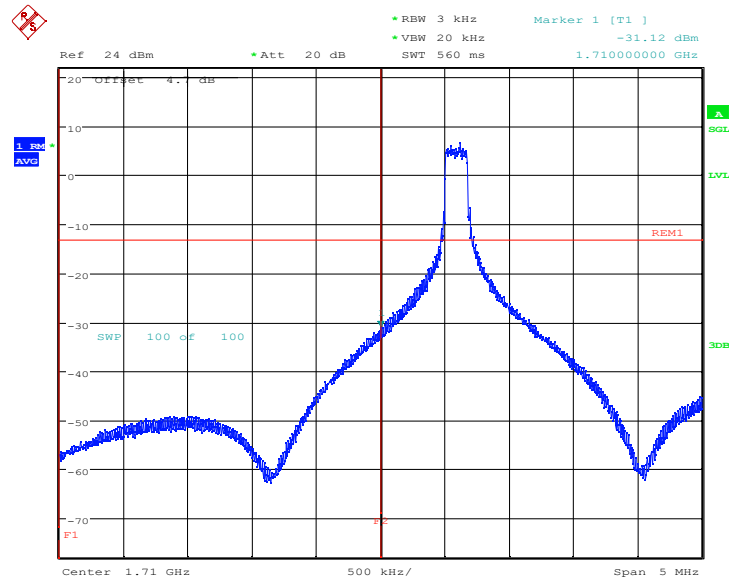
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Date: 9.MAY.2024 15:45:36

LOW BAND EDGE BLOCK-1RB-LOW_offset

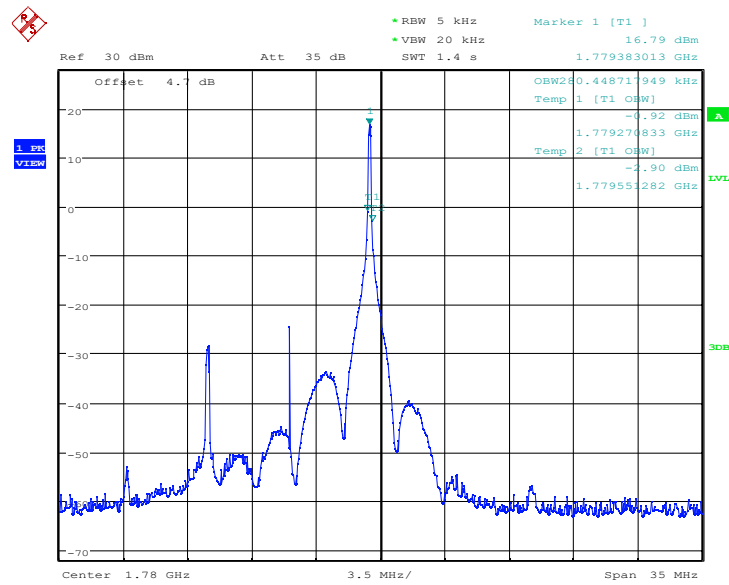


Date: 9.MAY.2024 15:47:13

OBW: 1RB-HIGH_offset

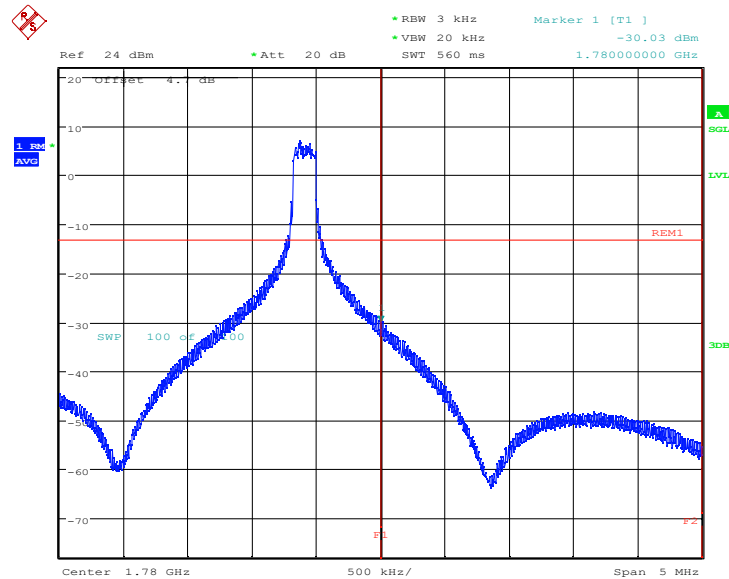
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Date: 9.MAY.2024 15:48:23

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

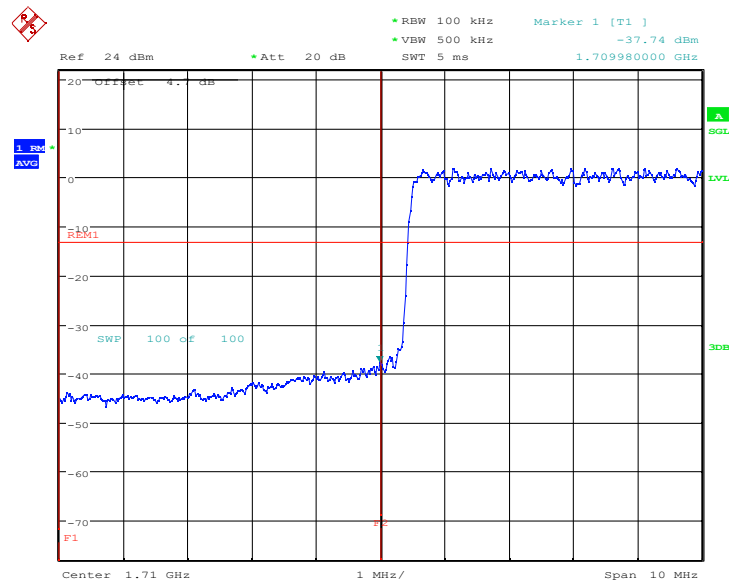


Date: 9.MAY.2024 15:49:59

LOW BAND EDGE BLOCK-10M-100%RB

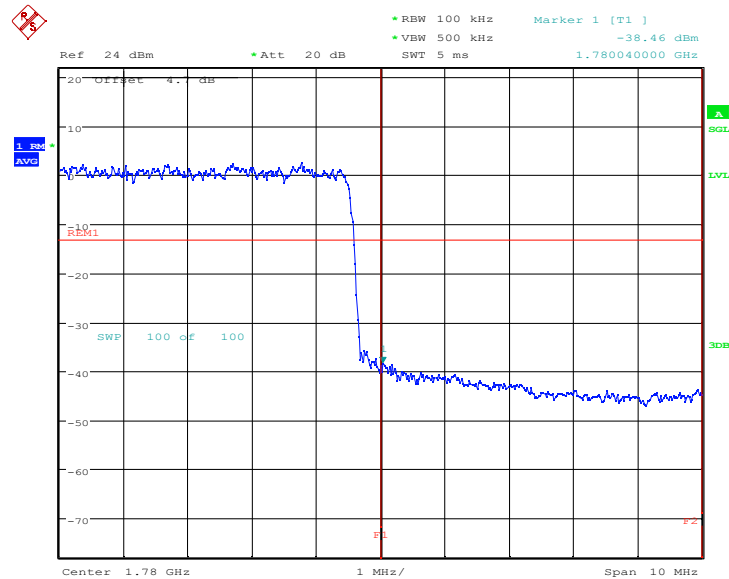
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 9.MAY.2024 15:47:56

HIGH BAND EDGE BLOCK-10M-100%RB



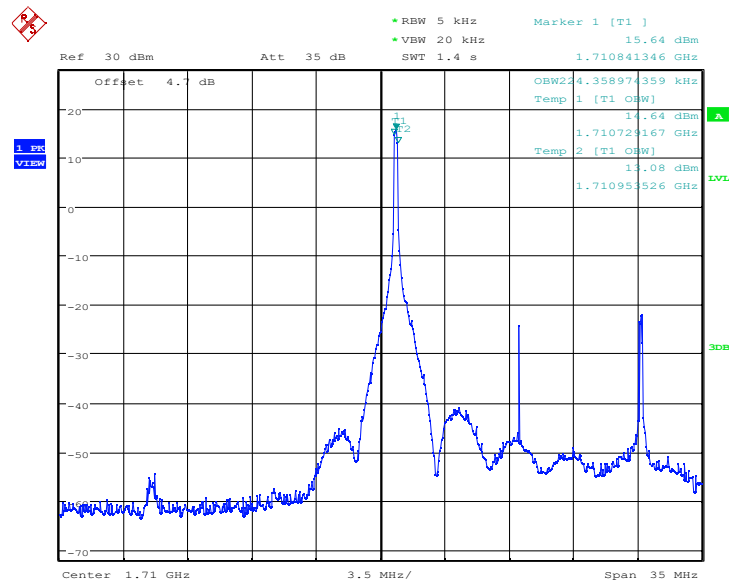
Date: 9.MAY.2024 15:50:44

LTE band 66-15MHz

OBW: 1RB-LOW_offset

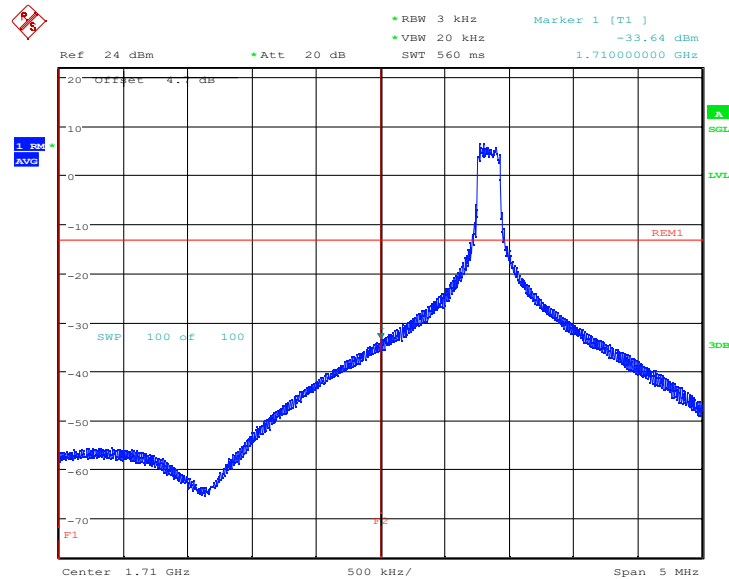
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Date: 9.MAY.2024 15:51:17

LOW BAND EDGE BLOCK-1RB-LOW_offset

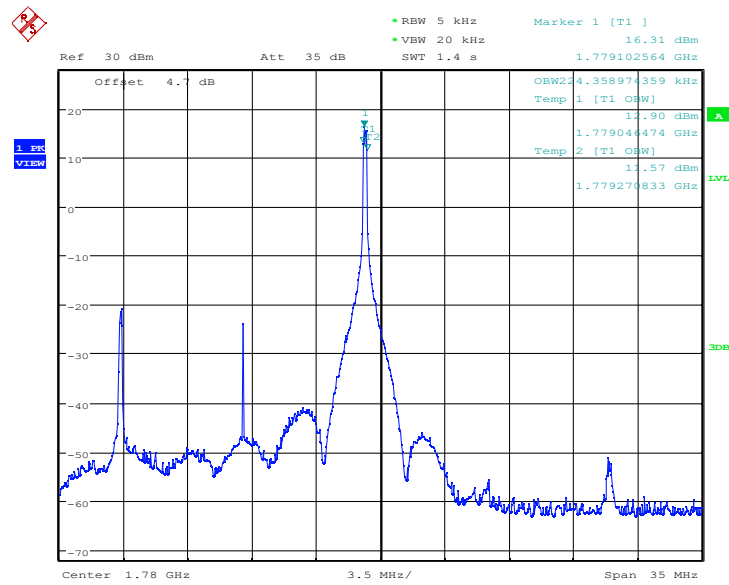


Date: 9.MAY.2024 15:52:54

OBW: 1RB-HIGH_offset

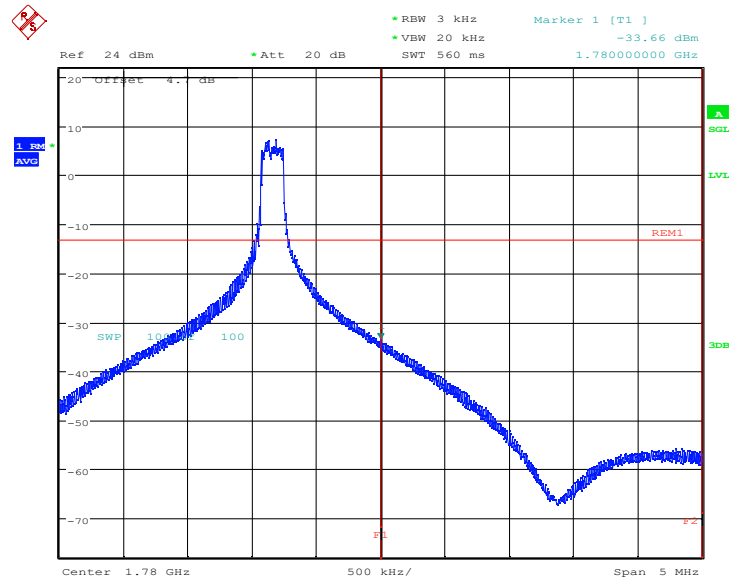
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Date: 9.MAY.2024 15:54:04

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

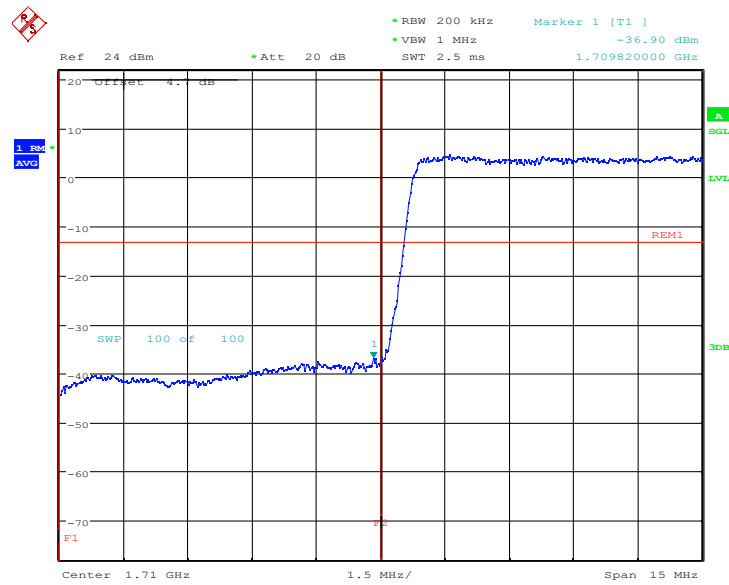


Date: 9.MAY.2024 15:55:41

LOW BAND EDGE BLOCK-15M-100%RB

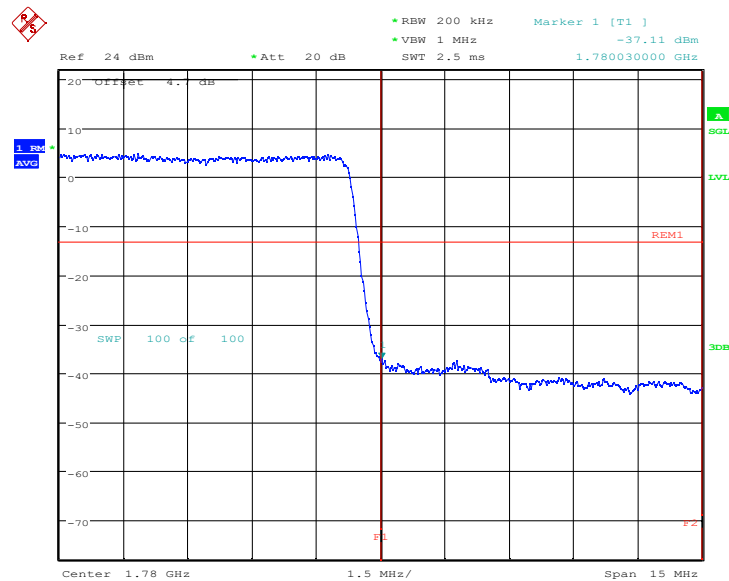
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Date: 9.MAY.2024 15:53:38

HIGH BAND EDGE BLOCK-15M-100%RB



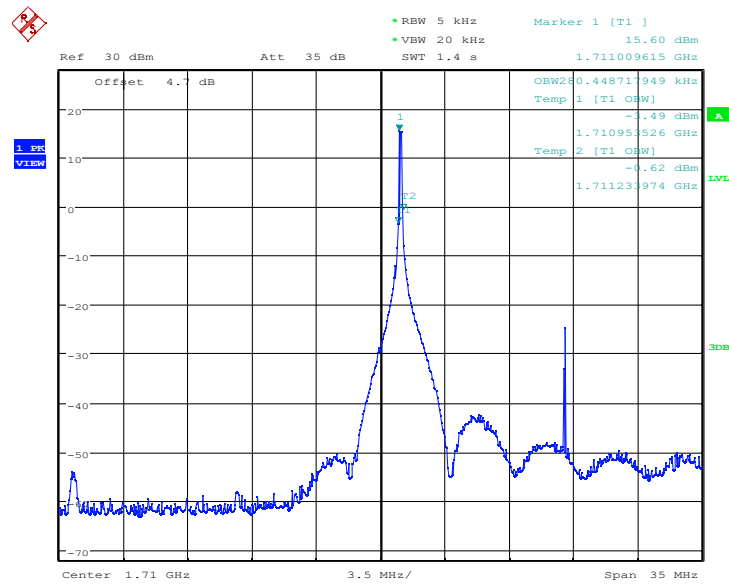
Date: 9.MAY.2024 15:56:25

LTE band 66-20MHz

OBW: 1RB-LOW_offset

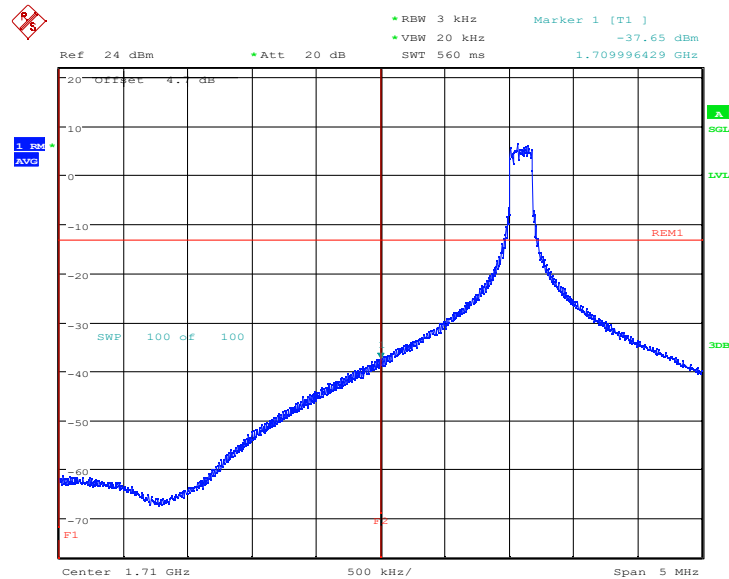
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Date: 9.MAY.2024 15:56:59

LOW BAND EDGE BLOCK-1RB-LOW_offset

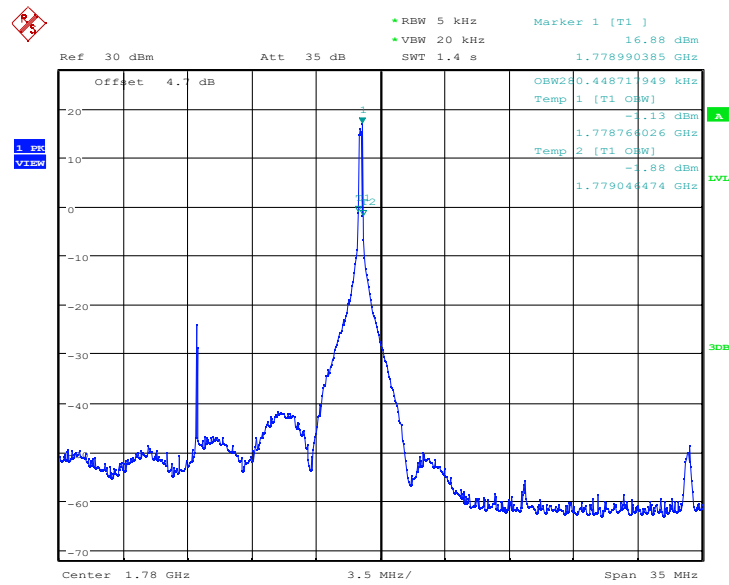


Date: 9.MAY.2024 15:58:36

OBW: 1RB-HIGH_offset

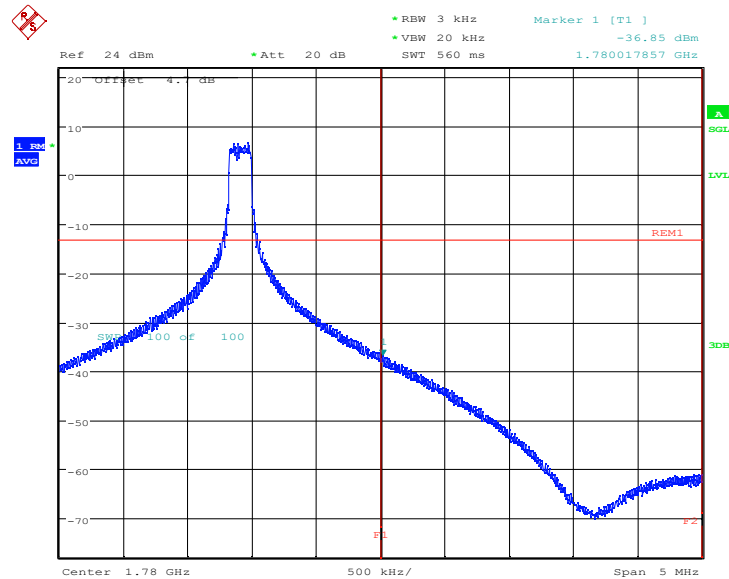
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Date: 9.MAY.2024 15:59:49

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

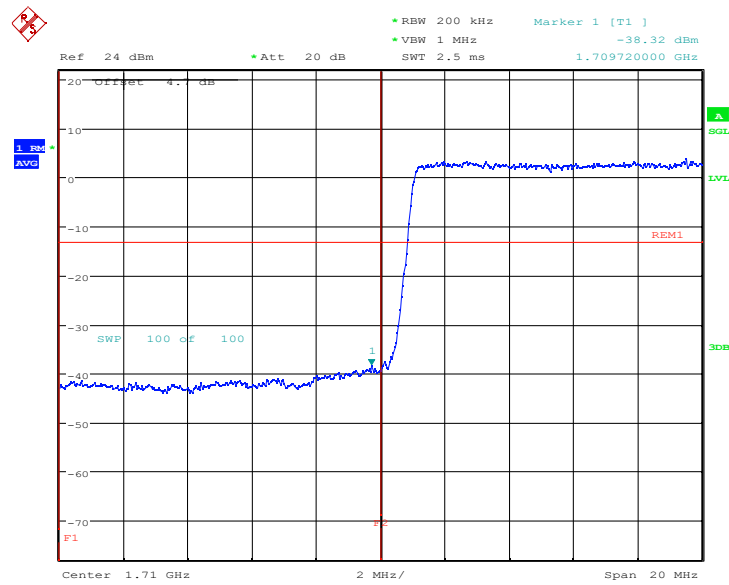


Date: 9.MAY.2024 16:01:26

LOW BAND EDGE BLOCK-20M-100%RB

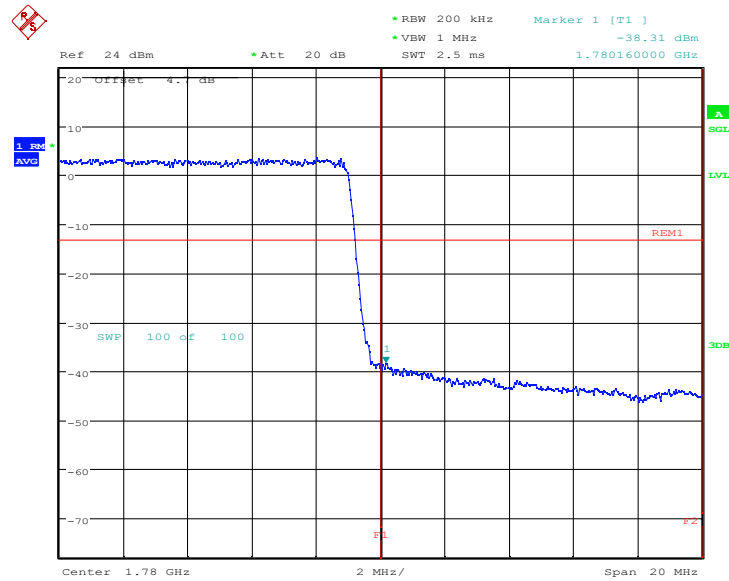
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Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 9.MAY.2024 15:59:20

HIGH BAND EDGE BLOCK-20M-100%RB



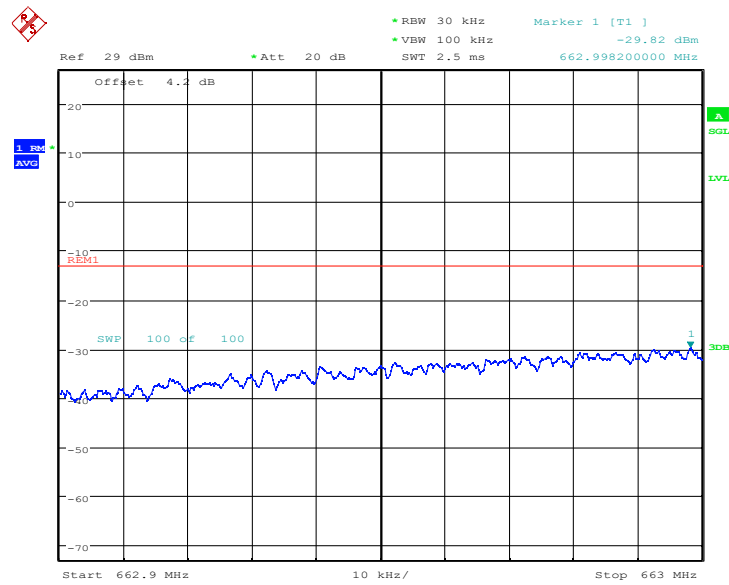
Date: 9.MAY.2024 16:02:11

LTE band 71-5MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

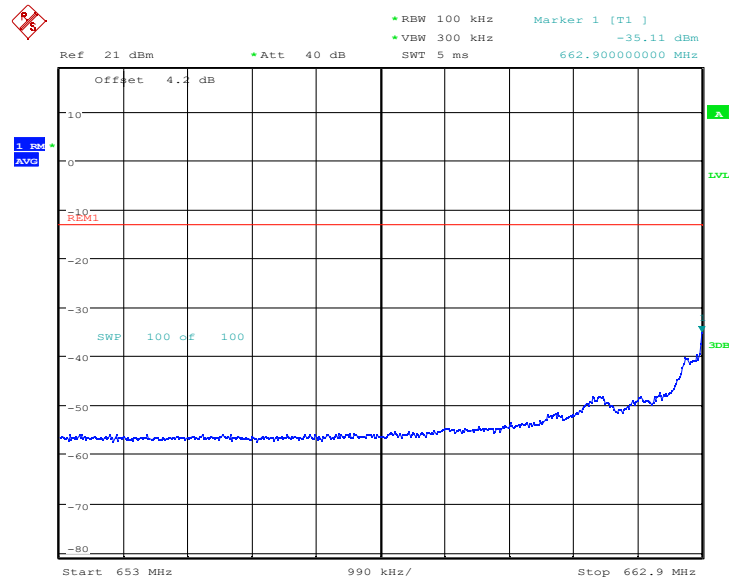
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Date: 10.MAY.2024 10:40:53

LOW BAND EDGE BLOCK-1RB-LOW_offset

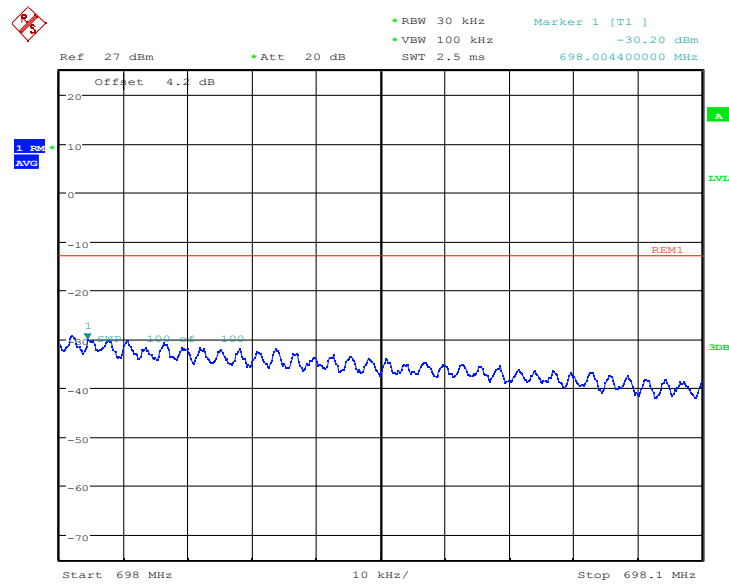


Date: 10.MAY.2024 10:43:02

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

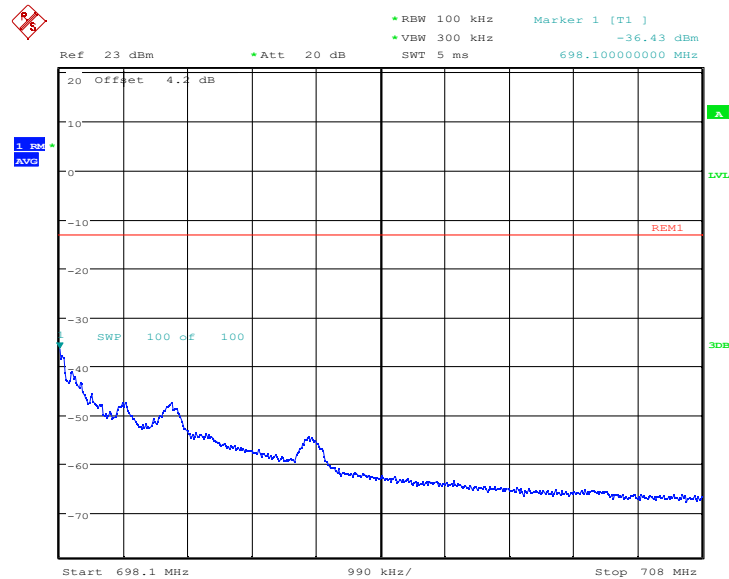
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Date: 10.MAY.2024 10:45:47

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

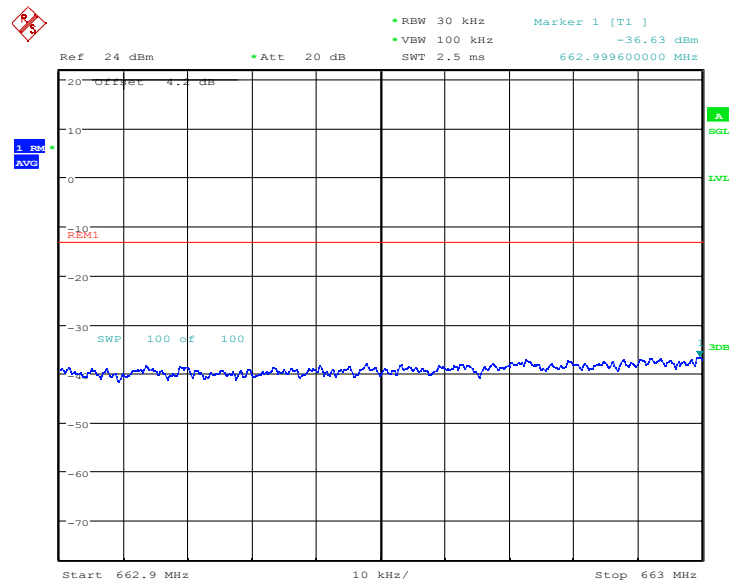


Date: 10.MAY.2024 10:47:21

LOW BAND EDGE BLOCK-5M-100%RB

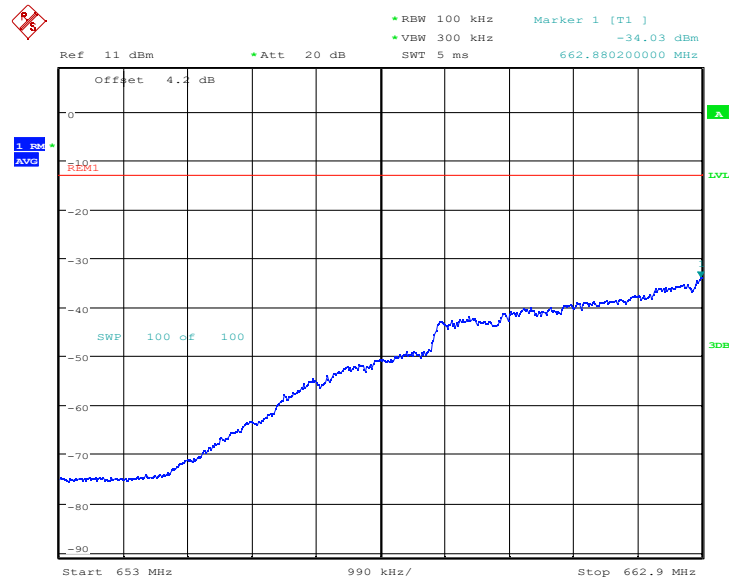
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Date: 10.MAY.2024 10:43:57

LOW BAND EDGE BLOCK-5M-100%RB

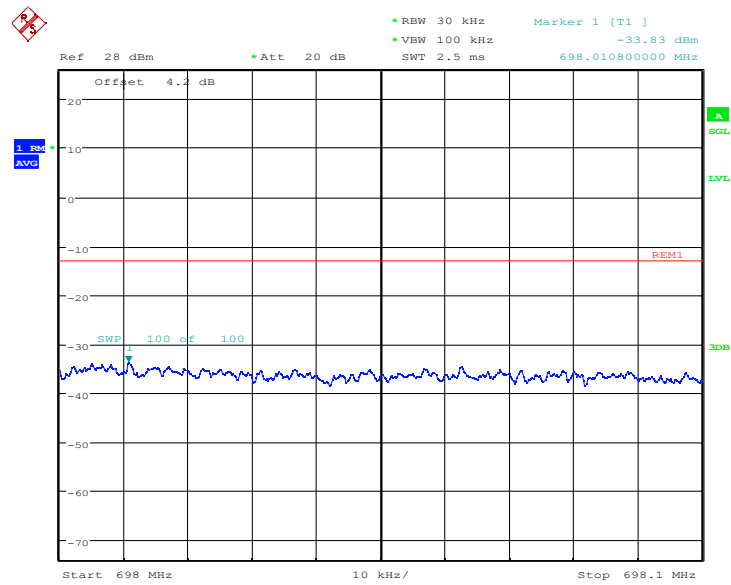


Date: 10.MAY.2024 10:44:40

HIGH BAND EDGE BLOCK-5M-100%RB

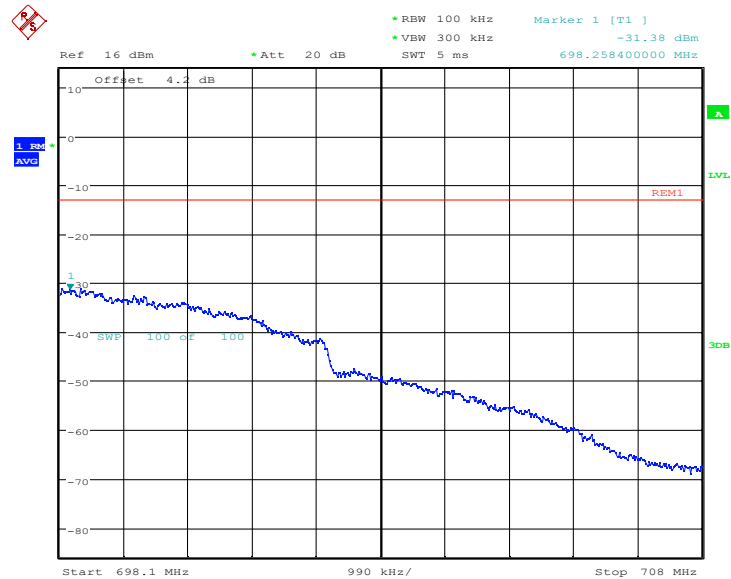
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Date: 10.MAY.2024 10:48:03

HIGH BAND EDGE BLOCK-5M-100%RB



Date: 10.MAY.2024 10:48:50

LTE band 71-10MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

Chongqing Academy of Information and Communication Technology

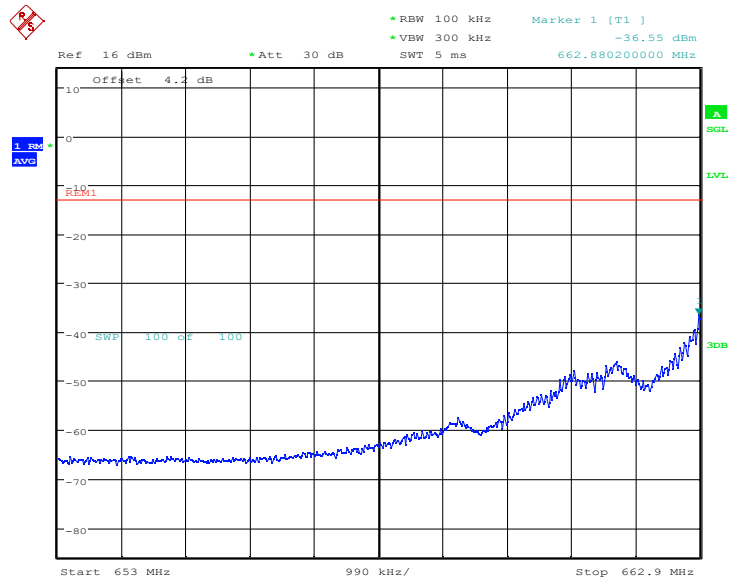
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Ref 29.2 dBm • Att 20 dB • RBW 30 kHz Marker 1 [T1] -32.00 dBm
 • VBW 100 kHz SWT 2.5 ms 662.996800000 MHz

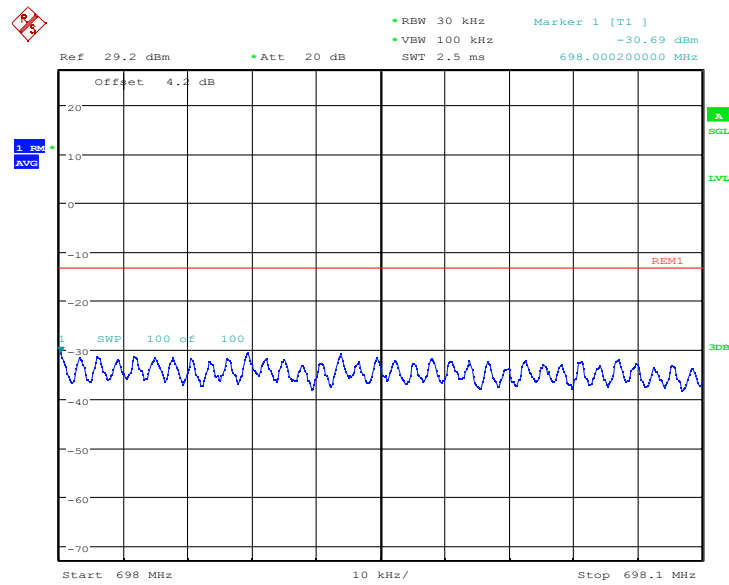
Offset 4.2 dB
 -10 dBm
 SWP 100 of 100
 Start 662.9 MHz 10 kHz/ Stop 663 MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset



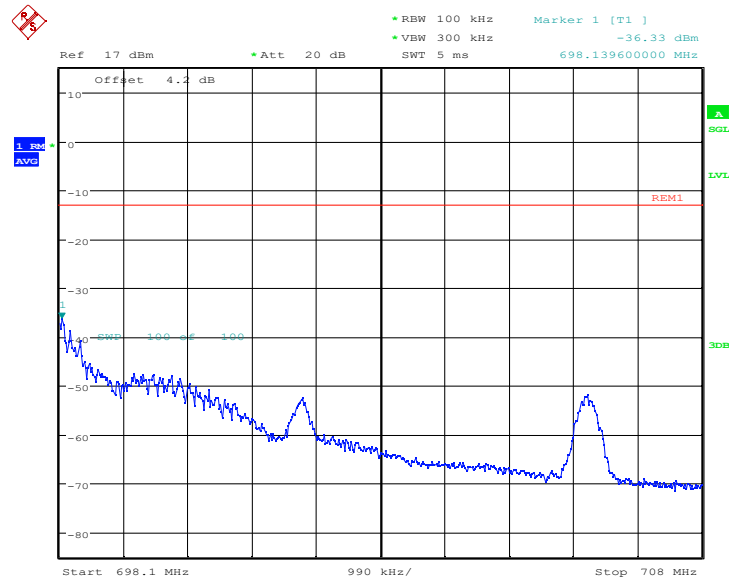
HIGH BAND EDGE BLOCK-1RB-HIGH_offset

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Date: 10.MAY.2024 10:56:42

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

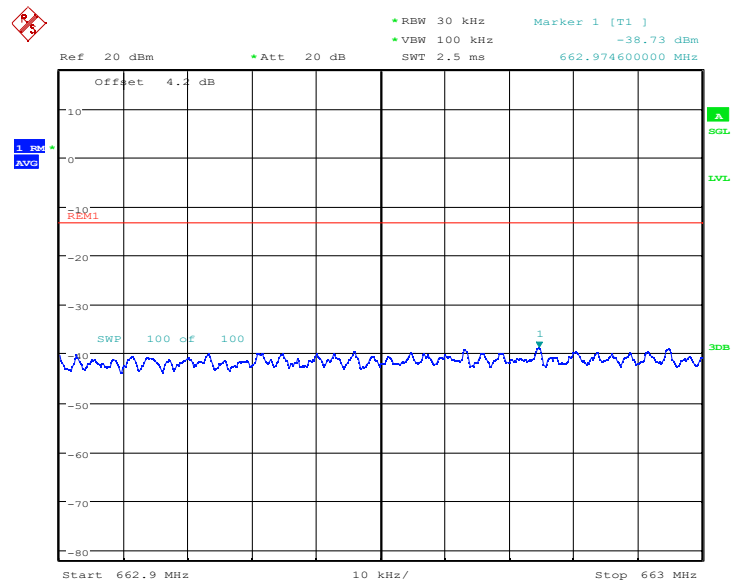


Date: 10.MAY.2024 10:57:30

LOW BAND EDGE BLOCK-10M-100%RB

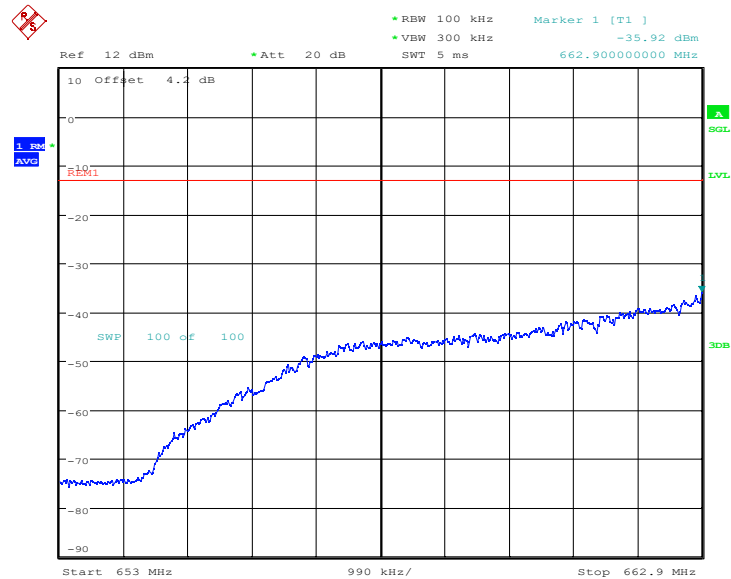
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Date: 10.MAY.2024 10:54:52

LOW BAND EDGE BLOCK-10M-100%RB

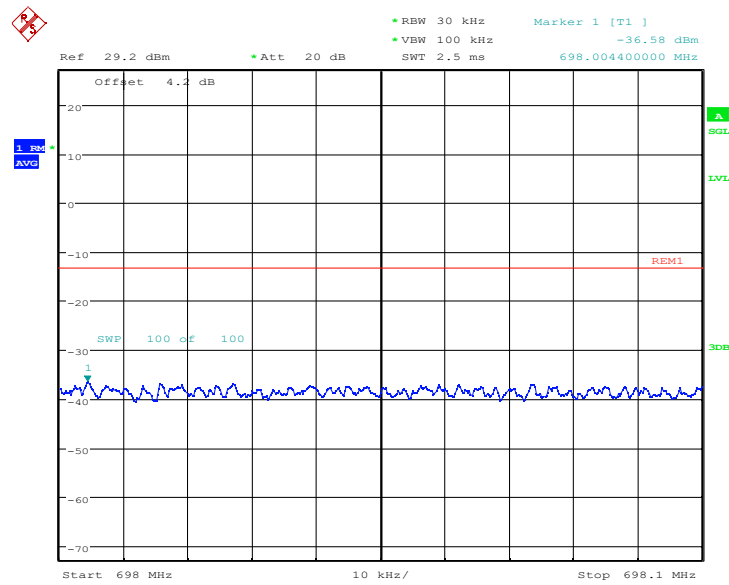


Date: 10.MAY.2024 10:55:35

HIGH BAND EDGE BLOCK-10M-100%RB

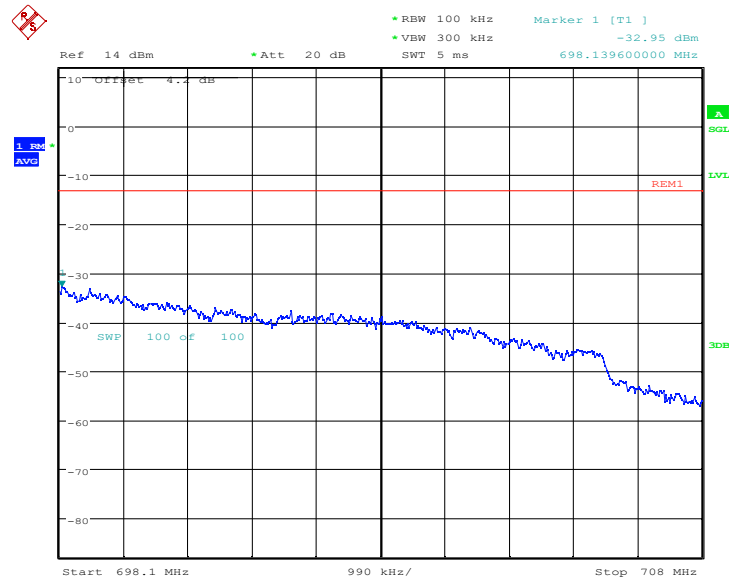
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Date: 10.MAY.2024 11:03:45

HIGH BAND EDGE BLOCK-10M-100%RB



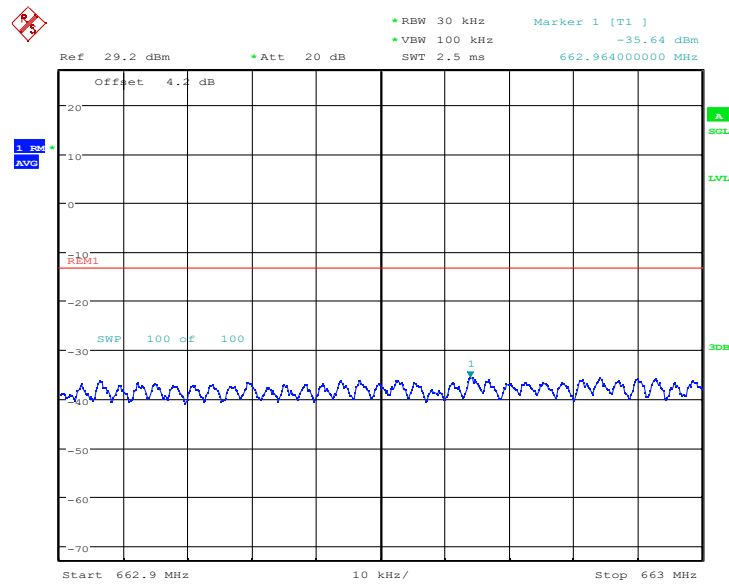
Date: 10.MAY.2024 11:04:29

LTE band 71-15MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

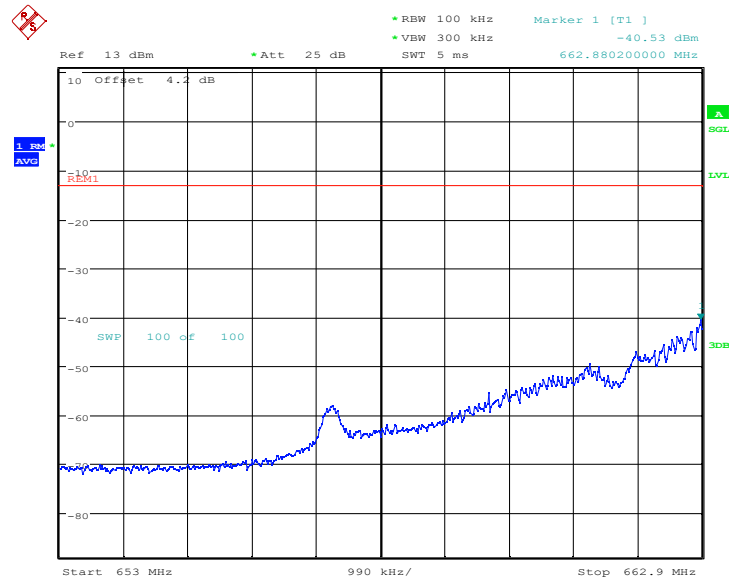
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Date: 10.MAY.2024 11:06:19

LOW BAND EDGE BLOCK-1RB-LOW_offset



Date: 10.MAY.2024 11:07:46

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

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Ref 25 dBm • Att 20 dB • RBW 30 kHz Marker 1 [T1] -36.77 dBm
 • VBW 100 kHz SWT 2.5 ms 698.029400000 MHz

Offset 4.2 dB

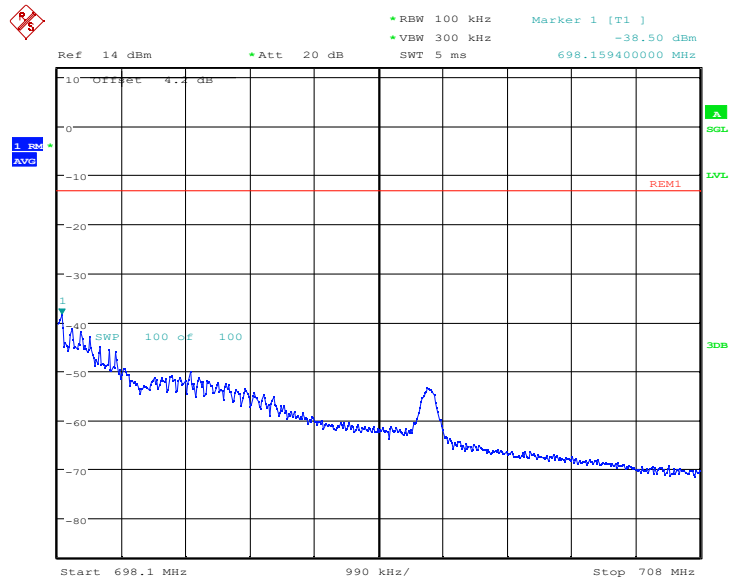
1 Std
 AVG

REM1

SWP 100 OF 100

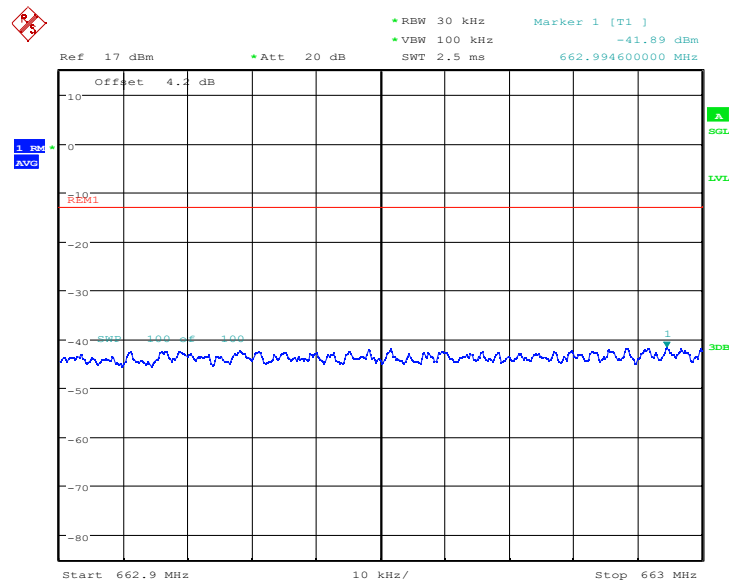
Start 698 MHz 10 kHz/ Stop 698.1 MHz

HIGH BAND EDGE BLOCK-1RB-HIGH_offset



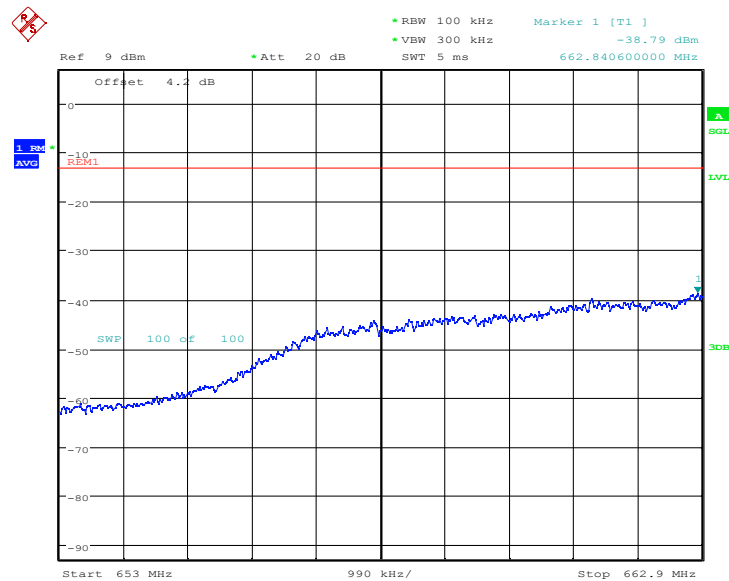
LOW BAND EDGE BLOCK-15M-100%RB

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Date: 10.MAY.2024 11:08:29

LOW BAND EDGE BLOCK-15M-100%RB

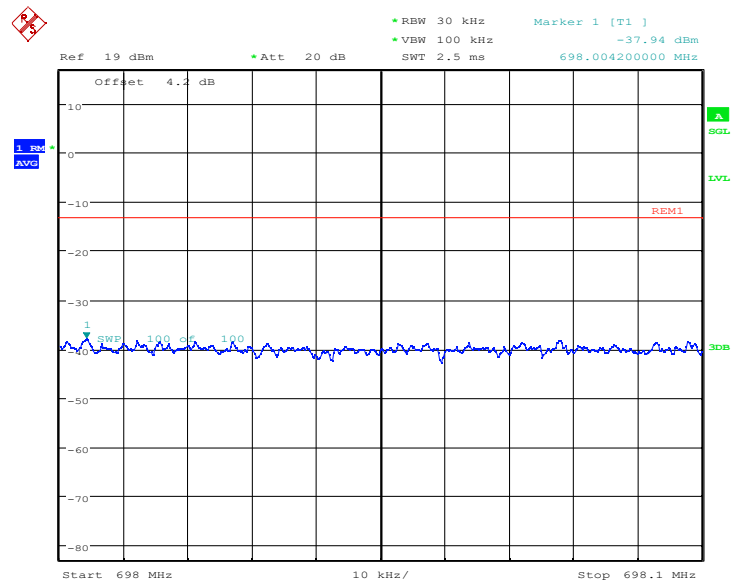


Date: 10.MAY.2024 11:09:11

HIGH BAND EDGE BLOCK-15M-100%RB

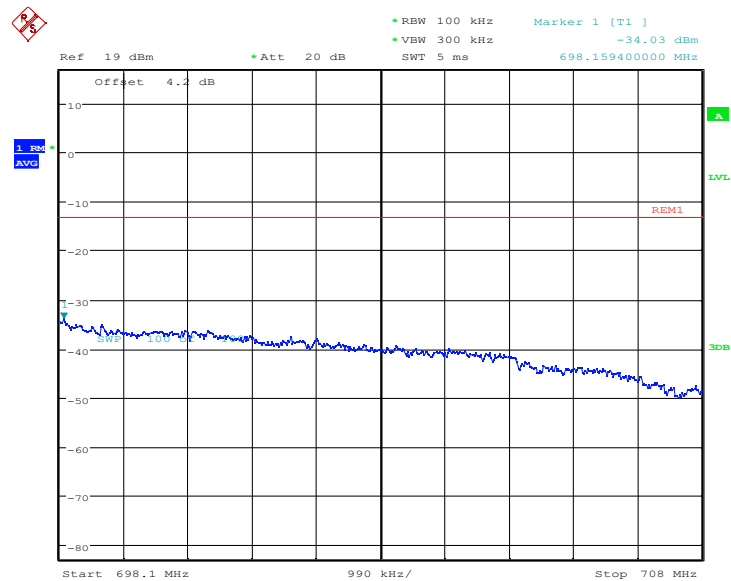
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Date: 10.MAY.2024 11:11:45

HIGH BAND EDGE BLOCK-15M-100%RB



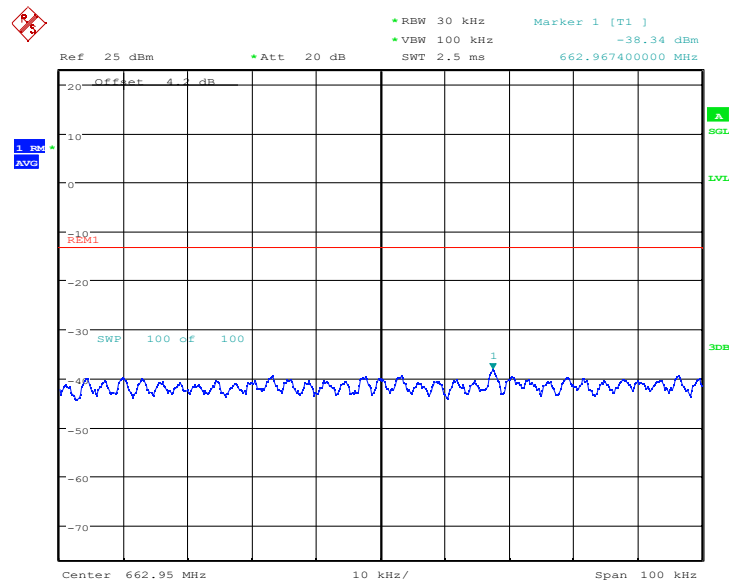
Date: 10.MAY.2024 11:12:29

LTE band 71-20MHz

LOW BAND EDGE BLOCK-1RB-LOW_offset

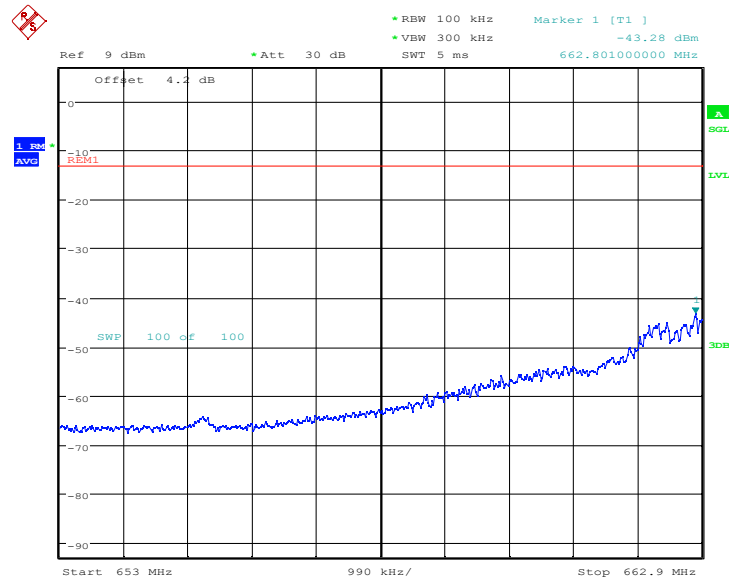
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Date: 10.MAY.2024 11:14:43

LOW BAND EDGE BLOCK-1RB-LOW_offset

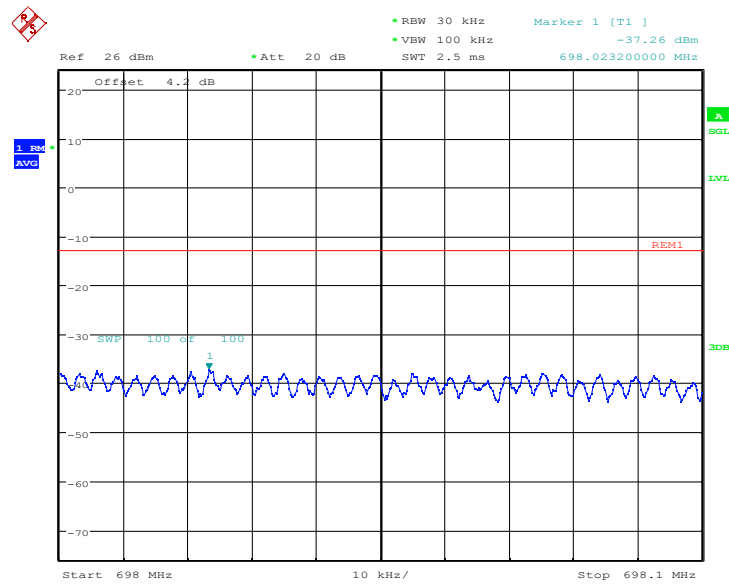


Date: 10.MAY.2024 11:15:38

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

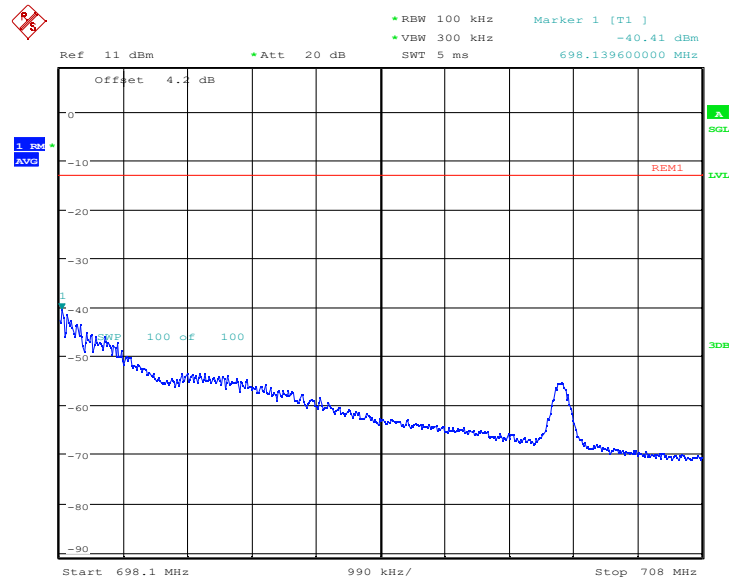
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Date: 10.MAY.2024 11:18:11

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

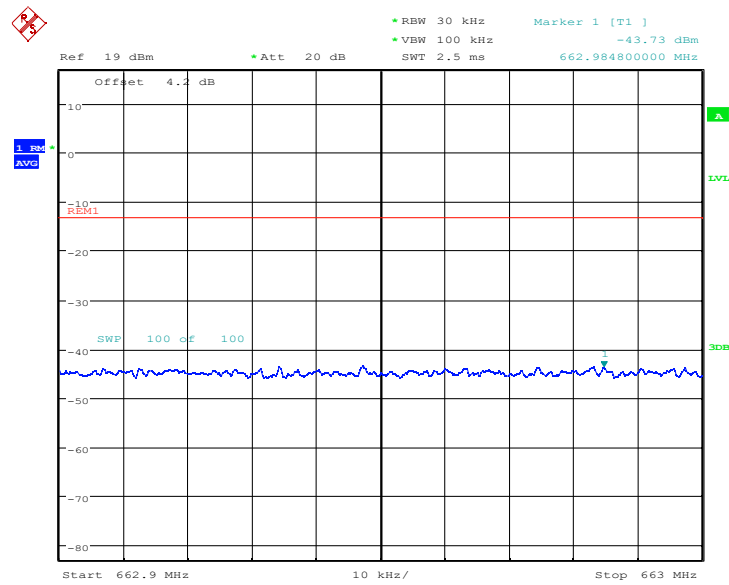


Date: 10.MAY.2024 11:19:23

LOW BAND EDGE BLOCK-20M-100%RB

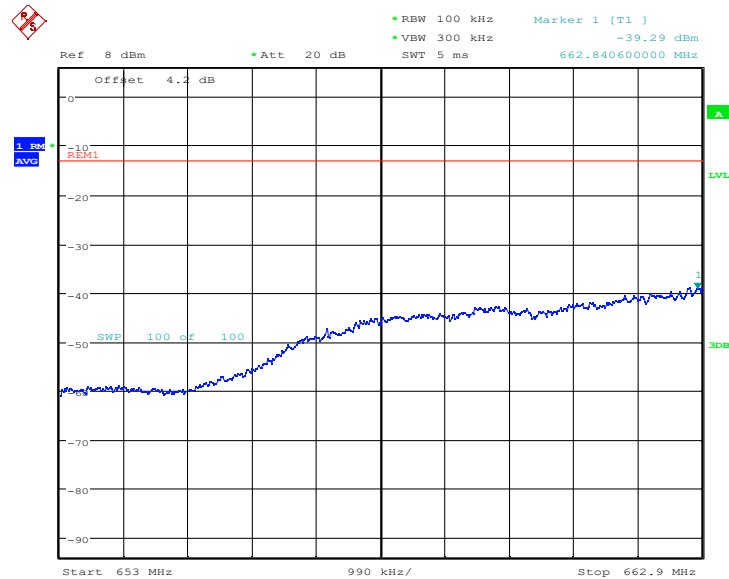
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Date: 10.MAY.2024 11:16:20

LOW BAND EDGE BLOCK-20M-100%RB

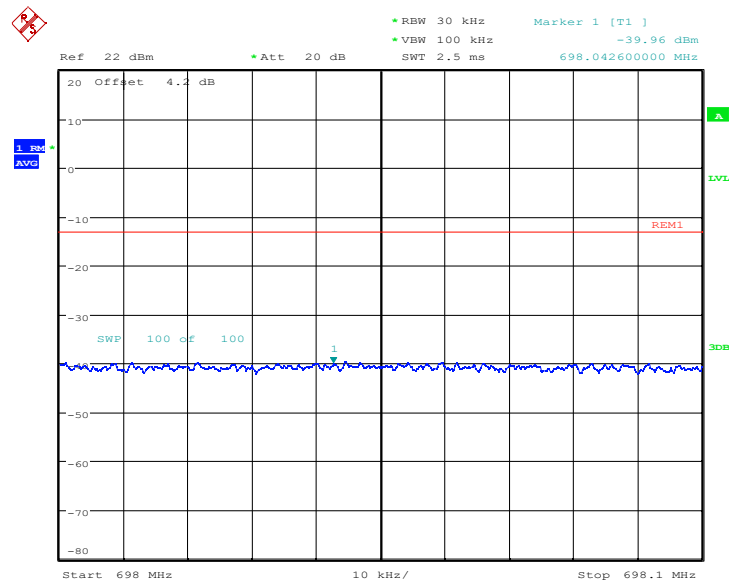


Date: 10.MAY.2024 11:17:04

HIGH BAND EDGE BLOCK-20M-100%RB

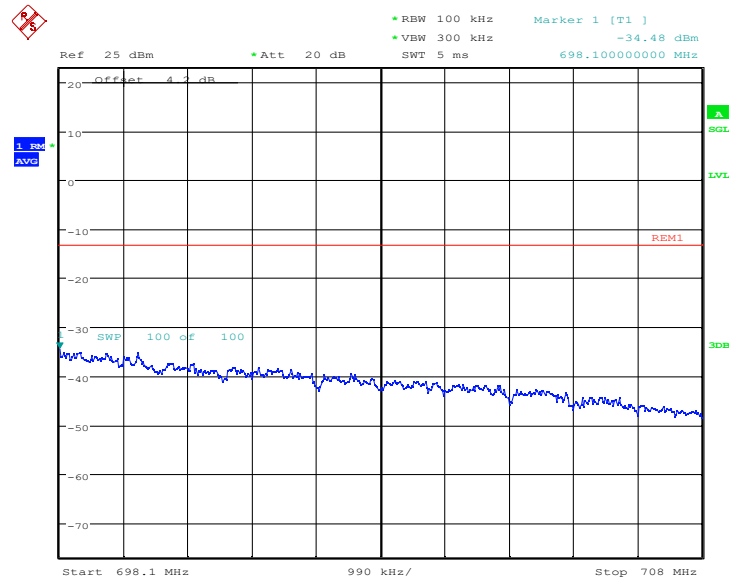
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Date: 10.MAY.2024 11:20:05

HIGH BAND EDGE BLOCK-20M-100%RB



Date: 10.MAY.2024 11:20:50

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6.8. Frequency Stability

Specifications:	FCC Part 2.1055, 22.355, 24.235, 27.54
DUT Serial Number:	IMEI:865357069912010
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 0.1 Volt 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-1RB(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	-3.98	0.0021
50			-3.28	0.0017
40			-2.53	0.0013
30			-1.46	0.0008
10			-0.46	0.0002
0			-0.99	0.0005
-10			0.11	0.0001
-20			-0.34	0.0002
-30			-0.99	0.0005

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	1880	-0.24	0.0001
4.2			-0.60	0.0003

LTE band 4, 20MHz bandwidth MID,QPSK-1RB(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	-3.22	0.0019
50			-2.33	0.0013
40			-1.49	0.0009
30			-0.60	0.0003
10			0.16	0.0001
0			-0.66	0.0004
-10			0.22	0.0001
-20			-0.42	0.0002
-30			0.44	0.0003

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	1732.5	-0.22	0.0001
4.2			-0.26	0.0001

LTE band 5, 10MHz bandwidth MID,QPSK-1RB(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	-2.93	0.0035

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50			-2.45	0.0029
40			-2.16	0.0026
30			-1.16	0.0014
10			-0.86	0.0010
0			-2.05	0.0024
-10			-0.04	0.0001
-20			0.11	0.0001
-30			1.22	0.0015

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	836.5	-0.10	0.0001
4.2			-2.39	0.0029

LTE band 12, 10MHz bandwidth MID,QPSK-1RB(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	-2.48	0.0035
50			-2.38	0.0034
40			-2.73	0.0039
30			-1.36	0.0019
10			-2.06	0.0029
0			-2.25	0.0032
-10			-1.77	0.0025
-20			-1.22	0.0017
-30			-2.59	0.0037

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	707.5	-2.25	0.0032
4.2			-1.60	0.0023

LTE band 13, 10MHz bandwidth MID,QPSK-1RB(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	-1.97	0.0025
50			0.26	0.0003
40			-0.77	0.0010
30			-1.10	0.0014
10			2.39	0.0031
0			-1.49	0.0019
-10			0.39	0.0005

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-20			-1.27	0.0016
-30			-1.14	0.0015

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	782	0.22	0.0003
4.2			-0.33	0.0004

LTE band 66, 20MHz bandwidth MID,QPSK-1RB(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	-2.50	0.0014
50			-2.13	0.0012
40			-1.75	0.0010
30			-0.04	0.0000
10			-1.65	0.0009
0			-1.60	0.0009
-10			-1.96	0.0011
-20			0.17	0.0001
-30			-0.97	0.0006

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	1745	-1.66	0.0010
4.2			-1.30	0.0007

LTE band 71, 20MHz bandwidth MID,QPSK-1RB(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	-2.28	0.0033
50			-1.62	0.0024
40			-2.26	0.0033
30			-1.06	0.0016
10			-1.02	0.0015
0			-1.67	0.0025
-10			-0.66	0.0010
-20			1.70	0.0025
-30			-0.57	0.0008

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	Center frequency(MHz)	Offset(Hz)	Frequency error(ppm)
3.3	20	683	-2.30	0.0034
4.2			-1.55	0.0023

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6.9. Peak to Average Ratio

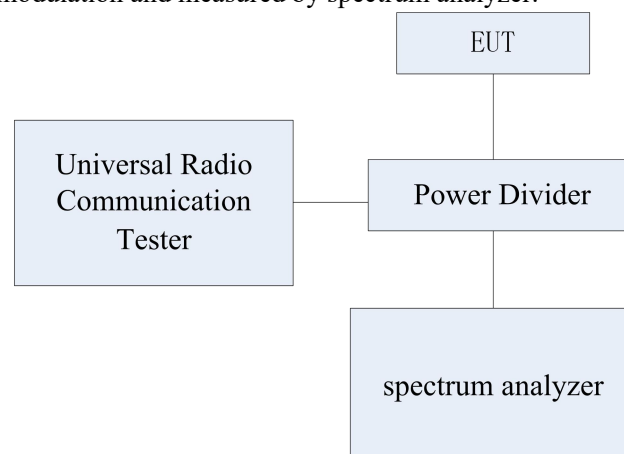
Specifications:	FCC Part 24.232, 27.50
DUT Serial Number:	IMEI:865357069912010
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-70% Air pressure: 86-106kPa
Test Results:	Pass

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	0.22 dB (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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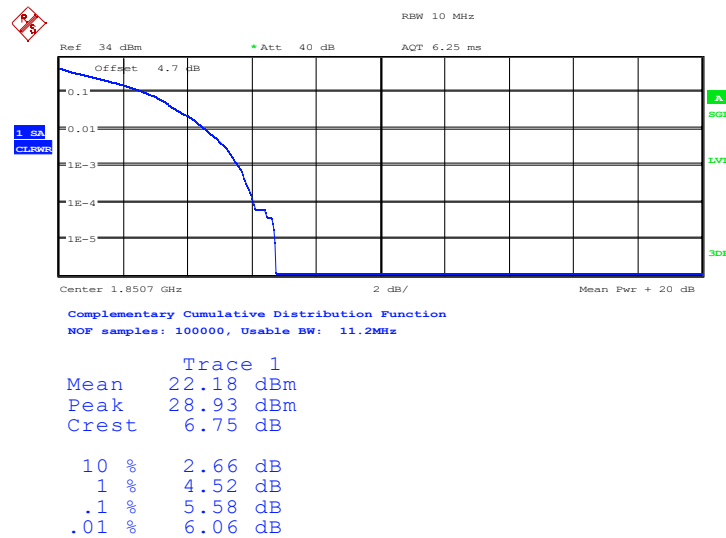
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6.9.1 Peak to Average Ratio Results

LTE Band 2, BW1_4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1850.7	100%,0	5.58	6.25
1880	100%,0	5.71	6.54
1909.3	100%,0	5.29	6.22

LTE band 2 , 1.4MHz Bandwidth,QPSK

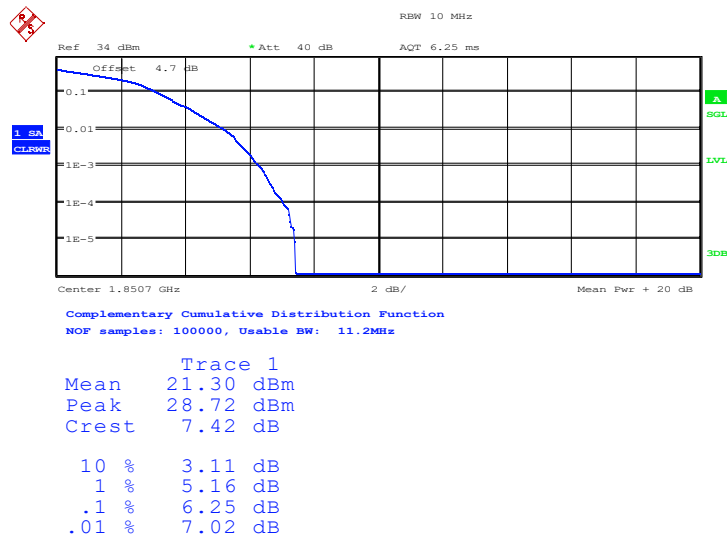


Date: 9.MAY.2024 16:29:44

LTE band 2 , 1.4MHz Bandwidth,16QAM

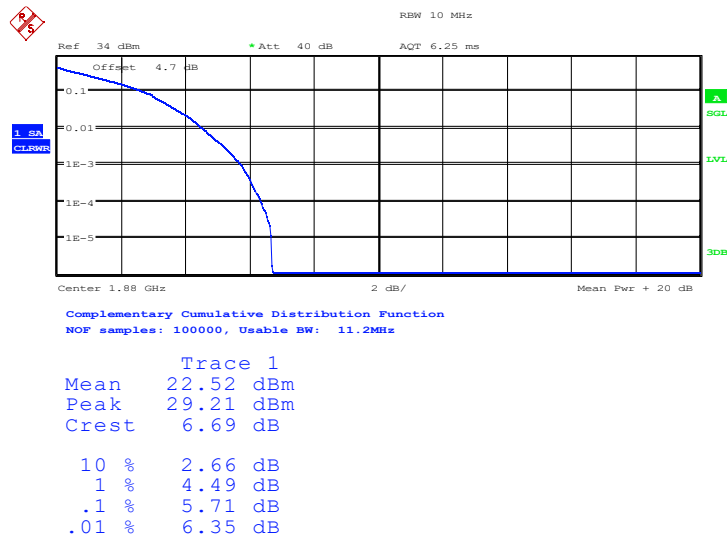
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Date: 9.MAY.2024 16:29:58

LTE band 2 , 1.4MHz Bandwidth,QPSK

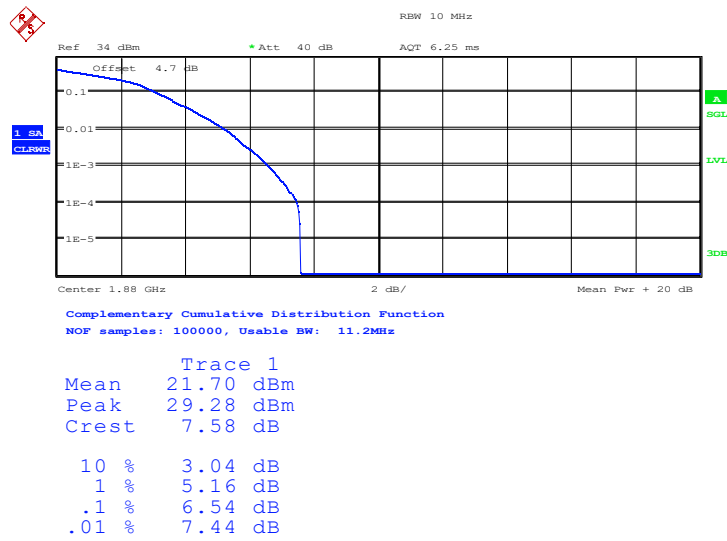


Date: 9.MAY.2024 16:30:21

LTE band 2 , 1.4MHz Bandwidth,16QAM

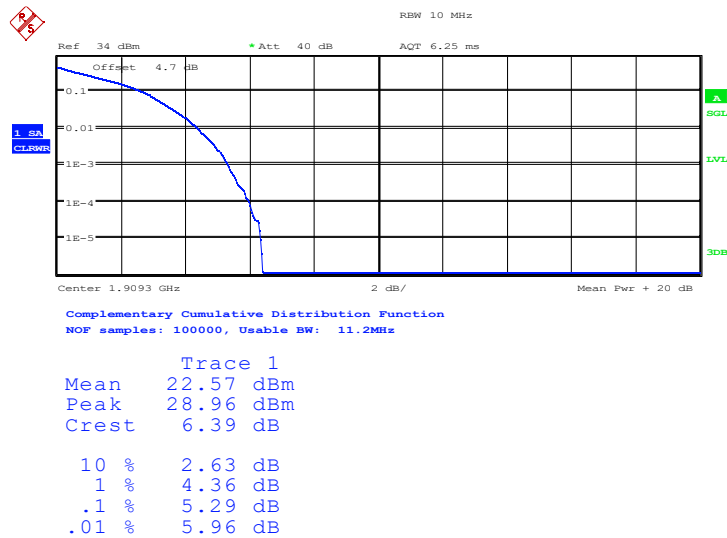
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Date: 9.MAY.2024 16:30:46

LTE band 2 , 1.4MHz Bandwidth,QPSK

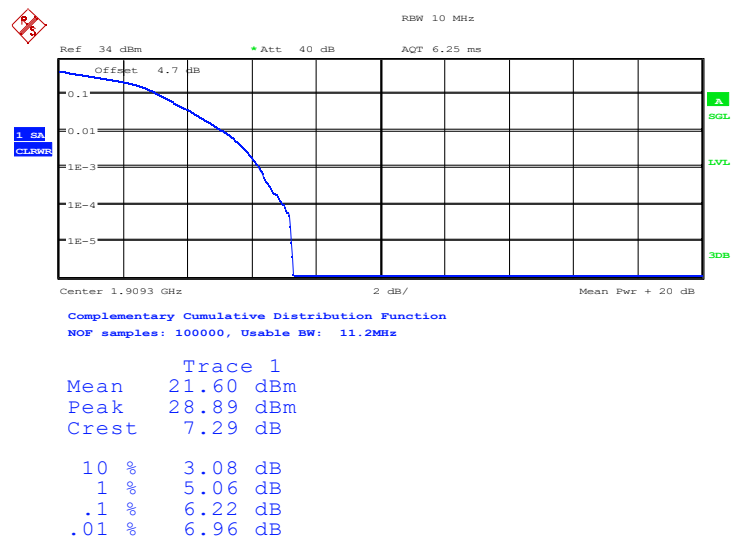


Date: 9.MAY.2024 16:31:08

LTE band 2 , 1.4MHz Bandwidth,16QAM

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Date: 9.MAY.2024 16:31:24

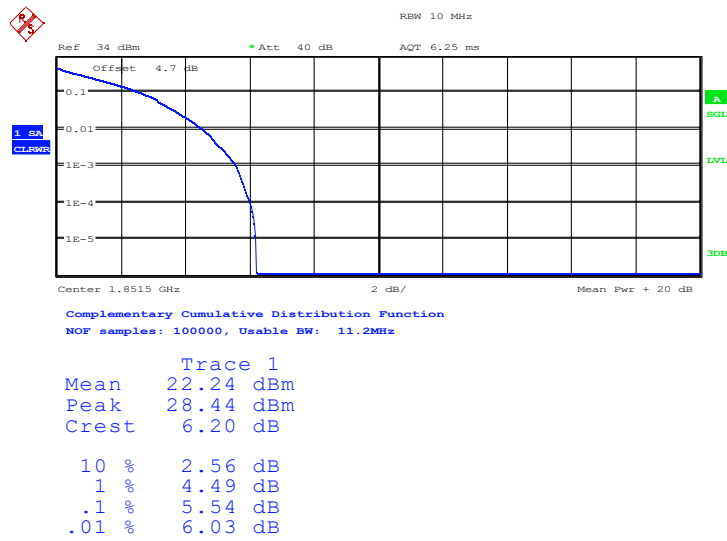
LTE Band 2, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1851.5	100%,0	5.54	6.28
1880	100%,0	5.64	6.47
1908.5	100%,0	5.42	6.19

LTE band 2 , 3MHz Bandwidth,QPSK

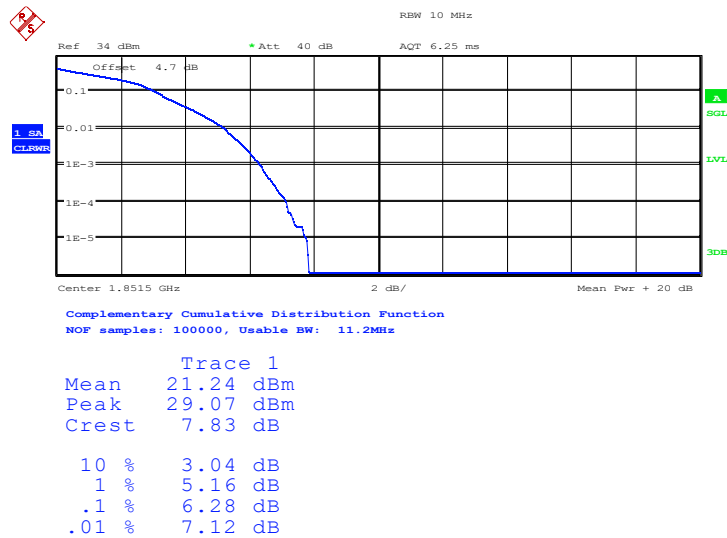
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Date: 9.MAY.2024 16:31:54

LTE band 2 , 3MHz Bandwidth,16QAM

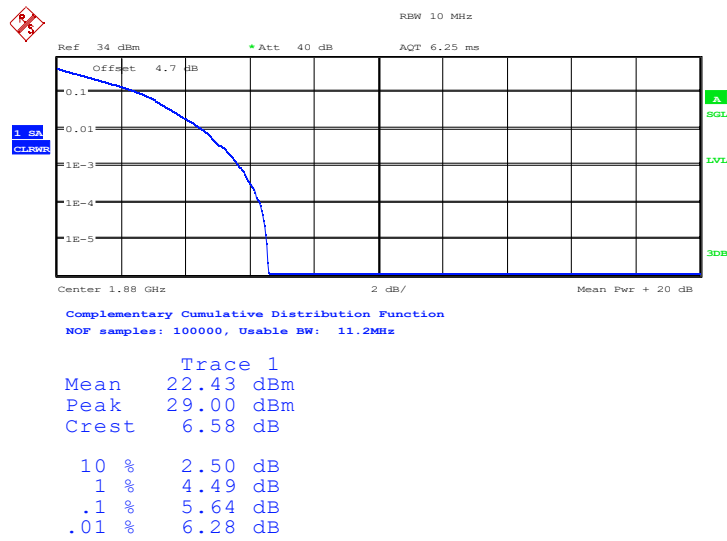


Date: 9.MAY.2024 16:32:07

LTE band 2 , 3MHz Bandwidth,QPSK

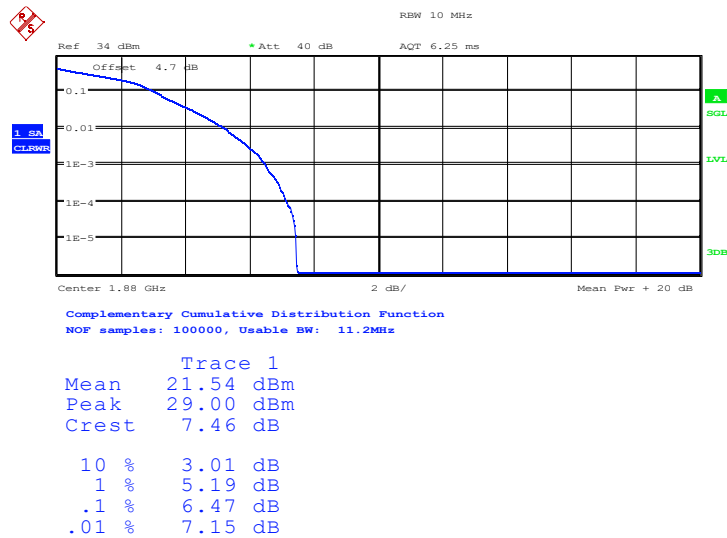
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Date: 9.MAY.2024 16:32:28

LTE band 2 , 3MHz Bandwidth,16QAM

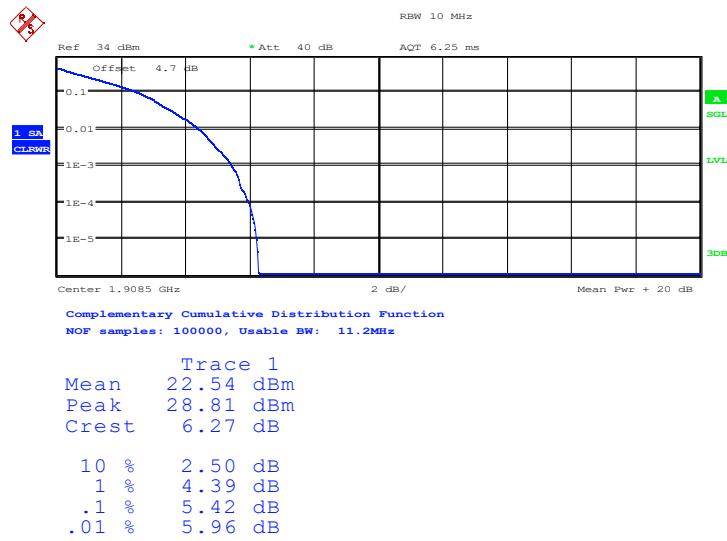


Date: 9.MAY.2024 16:32:46

LTE band 2 , 3MHz Bandwidth,QPSK

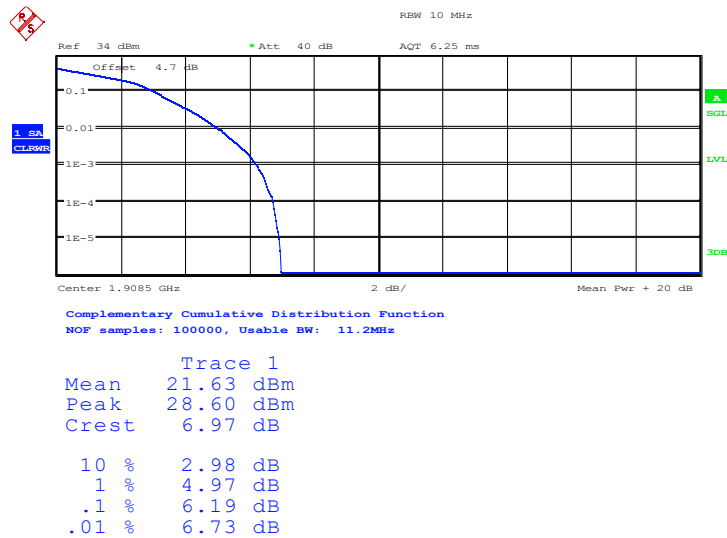
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Date: 9.MAY.2024 16:33:03

LTE band 2 , 3MHz Bandwidth,16QAM



Date: 9.MAY.2024 16:33:20

LTE Band 2, 5MHz

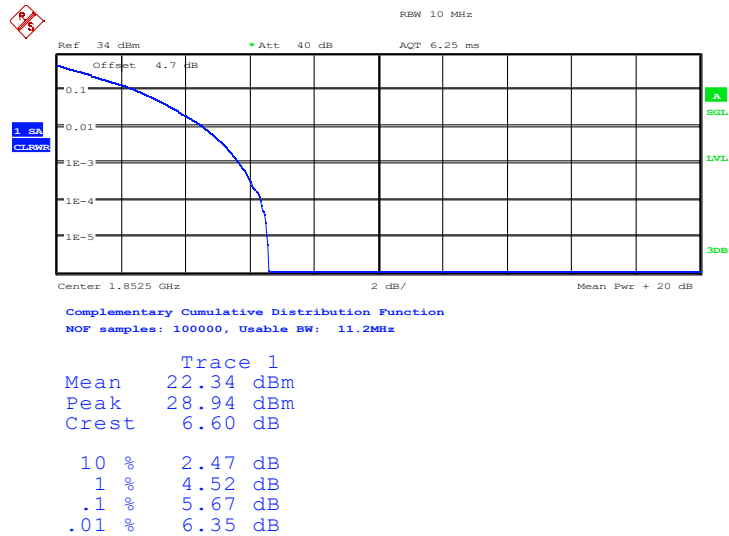
Frequency (MHz)	RB	PAPR (dB)
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		QPSK	16QAM
1852.5	100%,0	5.67	6.35
1880	100%,0	5.80	6.41
1907.5	100%,0	5.32	6.09

LTE band 2 , 5MHz Bandwidth,QPSK

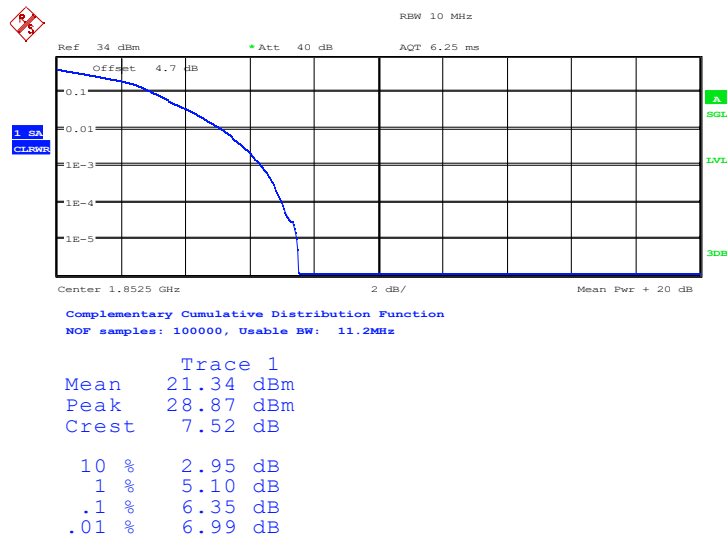


Date: 9.MAY.2024 16:33:50

LTE band 2 , 5MHz Bandwidth,16QAM

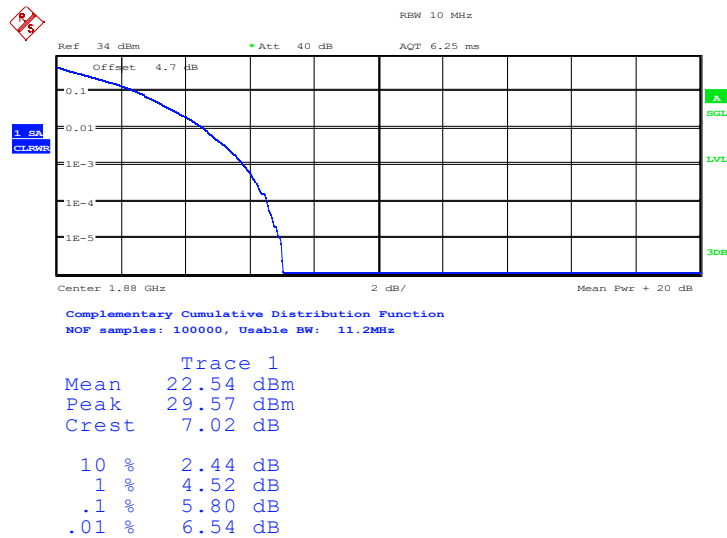
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Date: 9.MAY.2024 16:34:03

LTE band 2 , 5MHz Bandwidth,QPSK

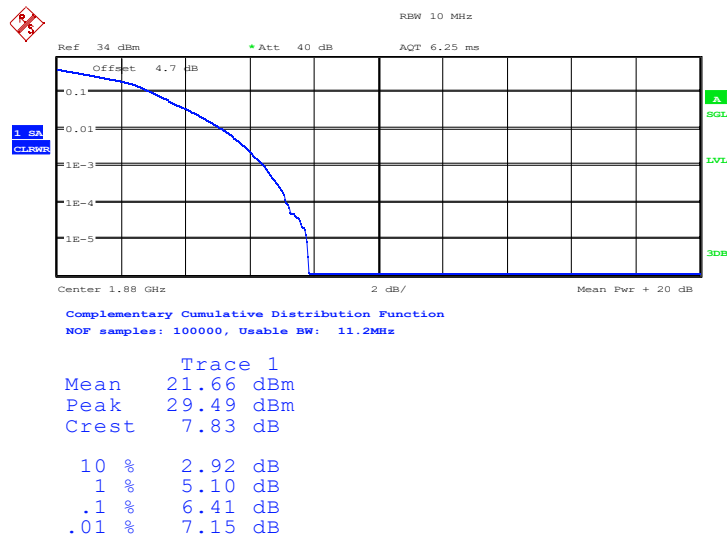


Date: 9.MAY.2024 17:21:10

LTE band 2 , 5MHz Bandwidth,16QAM

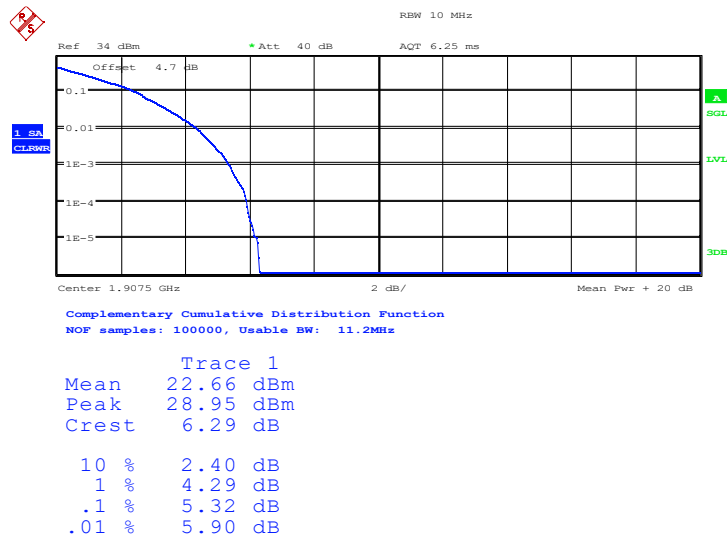
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Date: 9.MAY.2024 16:34:50

LTE band 2 , 5MHz Bandwidth,QPSK

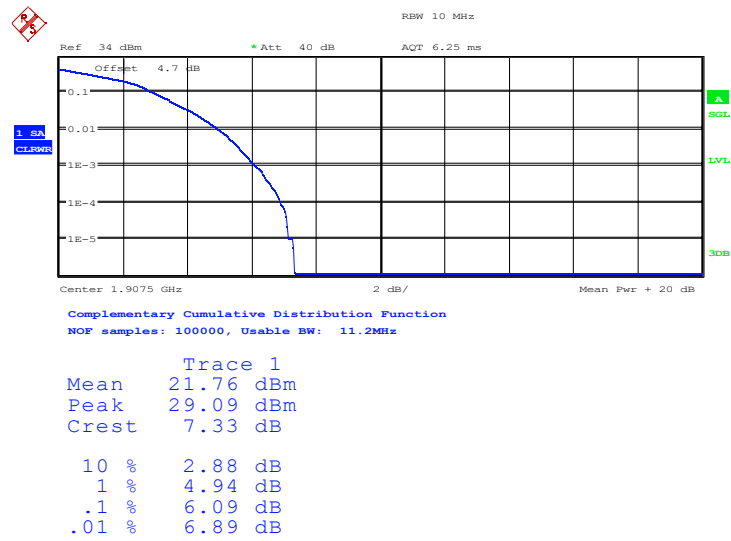


Date: 9.MAY.2024 16:35:13

LTE band 2 , 5MHz Bandwidth,16QAM

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Date: 9.MAY.2024 16:35:28

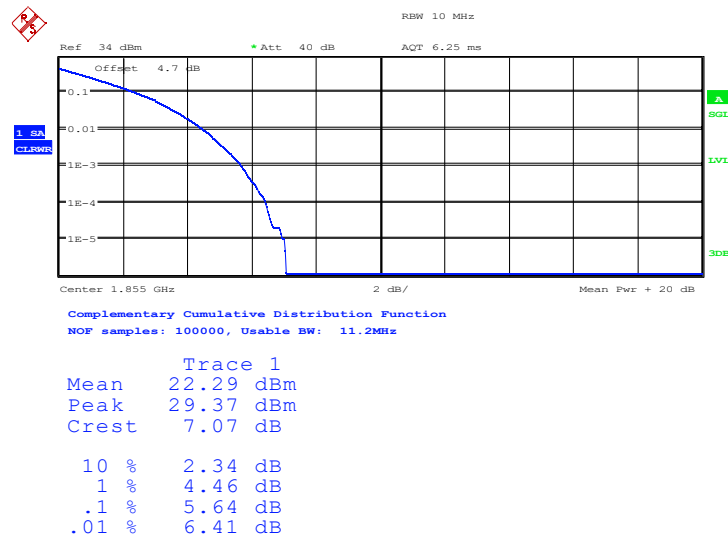
LTE Band 2, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1855	100%,0	5.64
1880	100%,0	5.48
1905	100%,0	5.42

LTE band 2 , 10MHz Bandwidth,QPSK

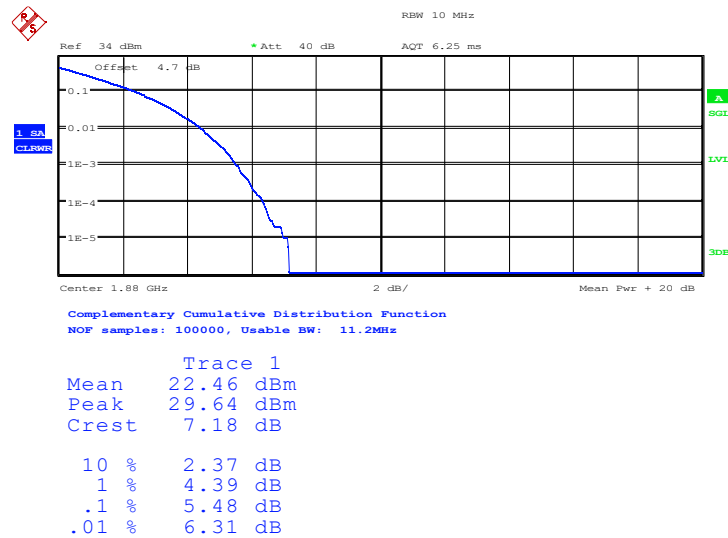
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Date: 9.MAY.2024 16:35:53

LTE band 2 , 10MHz Bandwidth,QPSK

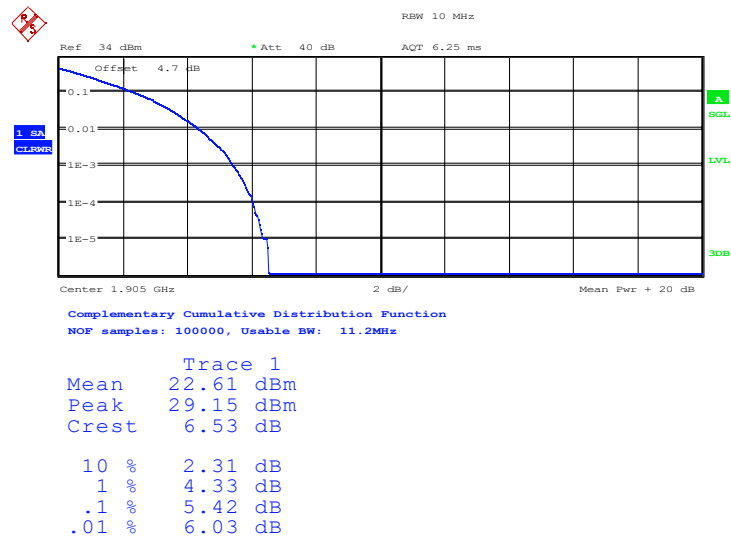


Date: 9.MAY.2024 16:36:14

LTE band 2 , 10MHz Bandwidth,QPSK

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Date: 9.MAY.2024 16:36:32

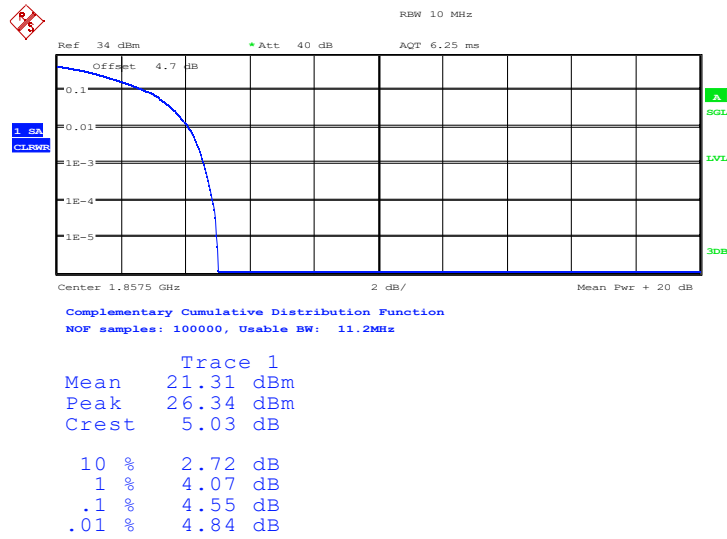
LTE Band 2, 15MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
1857.5	100%,0	4.55
1880	100%,0	4.52
1902.5	100%,0	4.42

LTE band 2 , 15MHz Bandwidth,QPSK

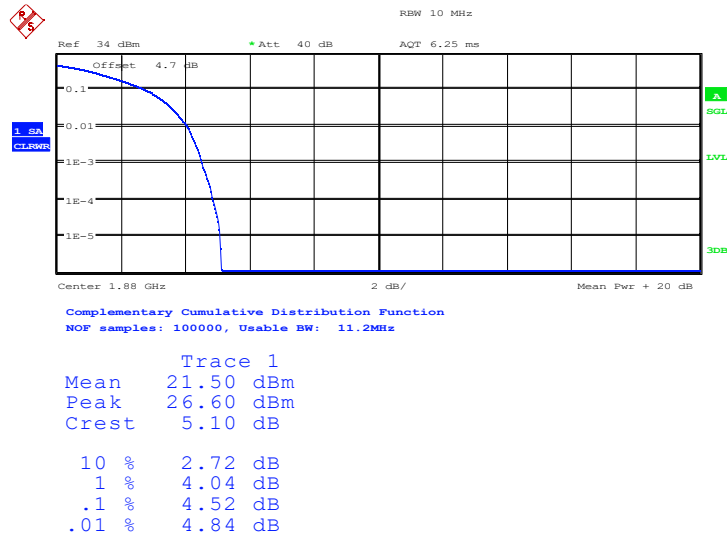
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Date: 9.MAY.2024 16:36:57

LTE band 2 , 15MHz Bandwidth,QPSK

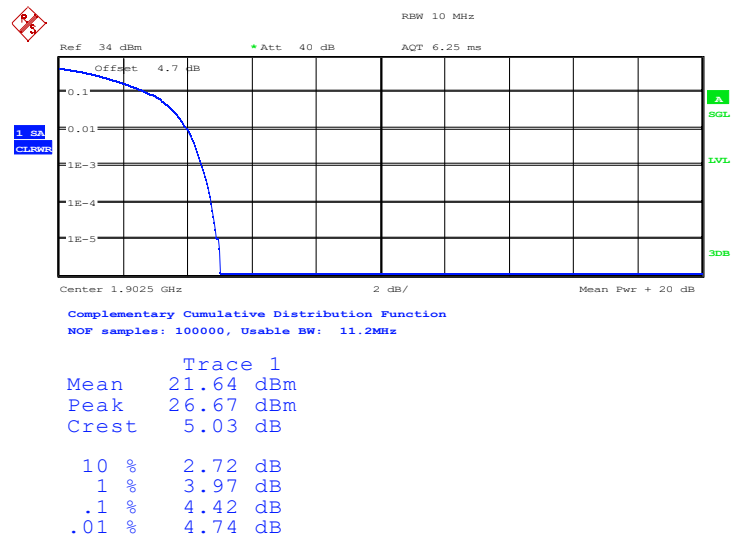


Date: 9.MAY.2024 16:37:16

LTE band 2 , 15MHz Bandwidth,QPSK

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Date: 9.MAY.2024 16:37:33

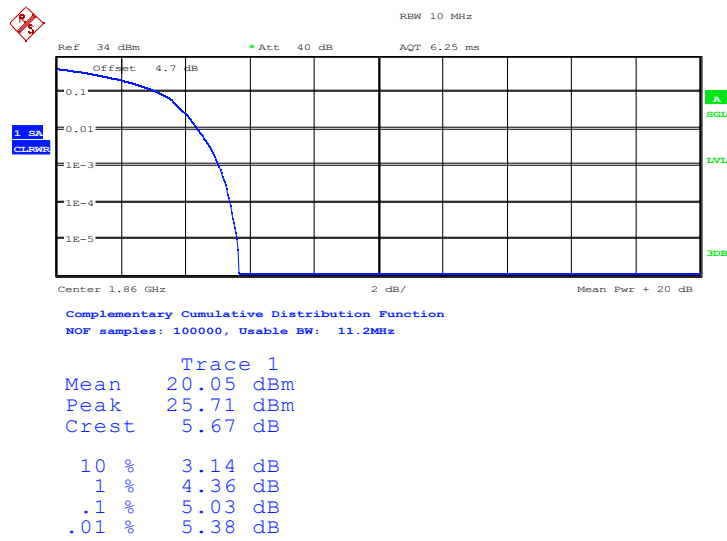
LTE Band 2, 20MHz

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

LTE band 2 , 20MHz Bandwidth,QPSK

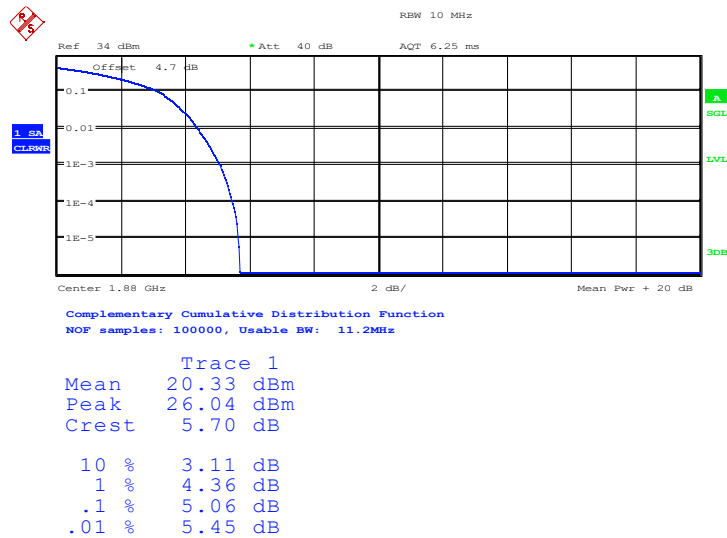
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Date: 9.MAY.2024 16:37:58

LTE band 2 , 20MHz Bandwidth,QPSK

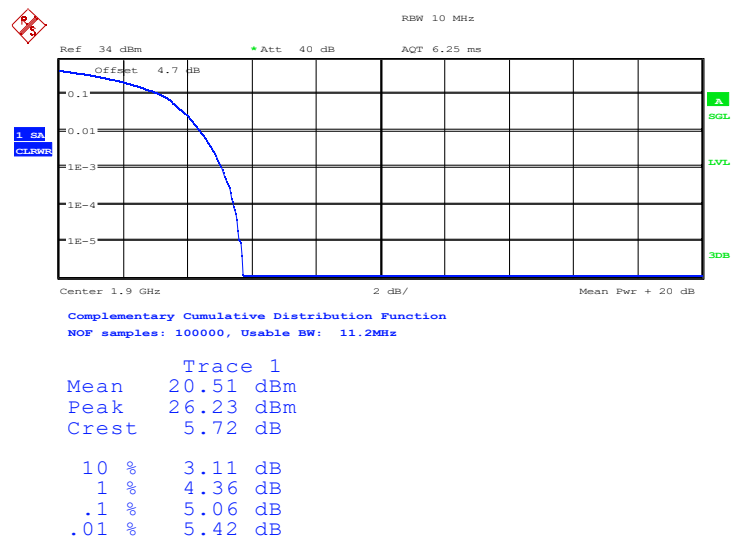


Date: 9.MAY.2024 16:38:16

LTE band 2 , 20MHz Bandwidth,QPSK

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Date: 9.MAY.2024 16:38:37

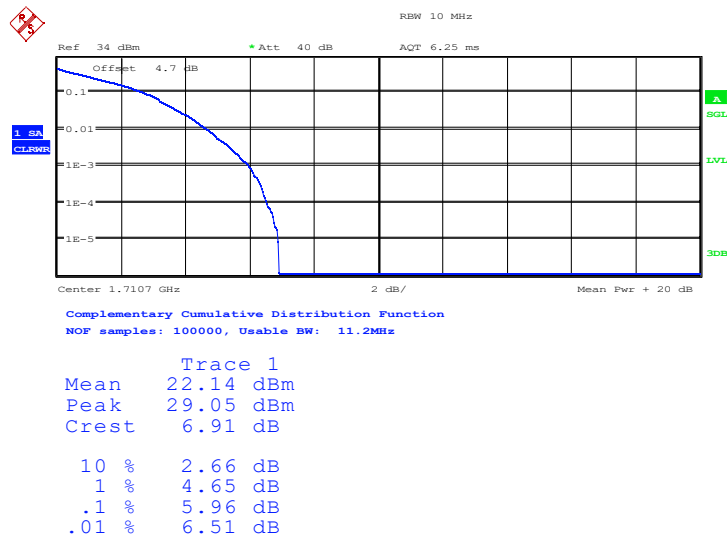
LTE Band 4, BW1_4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1710.7	100%,0	5.96	6.47
1732.5	100%,0	5.71	6.60
1754.3	100%,0	5.74	6.57

LTE band 4 , 1.4MHz Bandwidth,QPSK

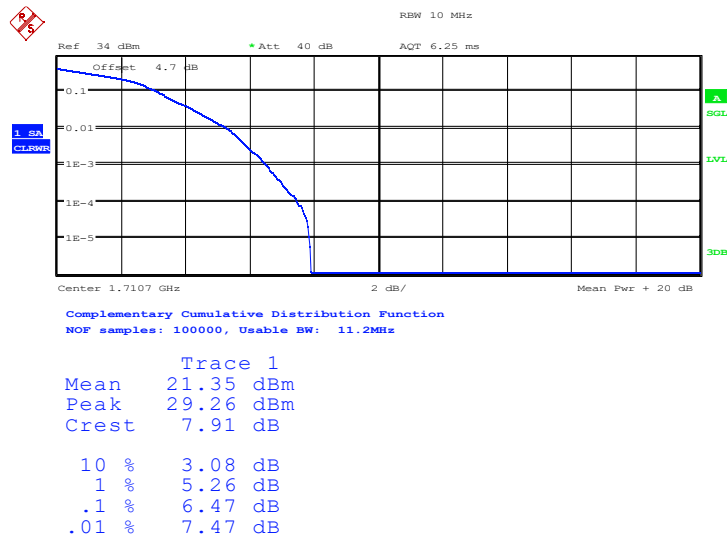
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Date: 9.MAY.2024 16:39:07

LTE band 4 , 1.4MHz Bandwidth,16QAM

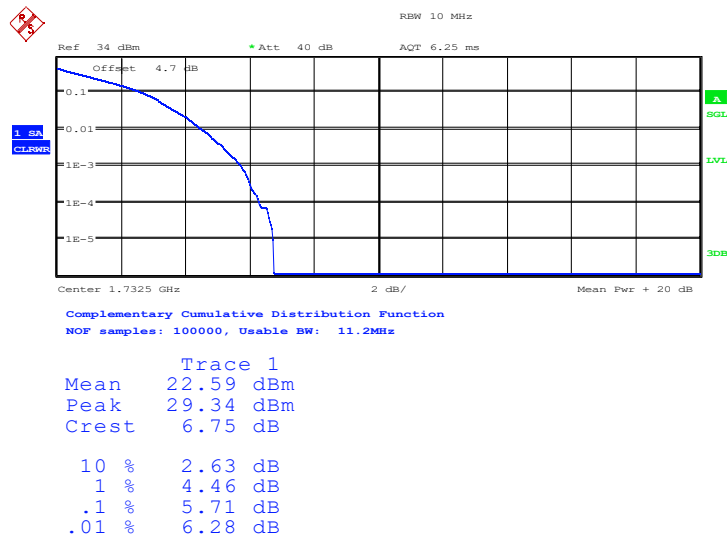


Date: 9.MAY.2024 16:39:33

LTE band 4 , 1.4MHz Bandwidth,QPSK

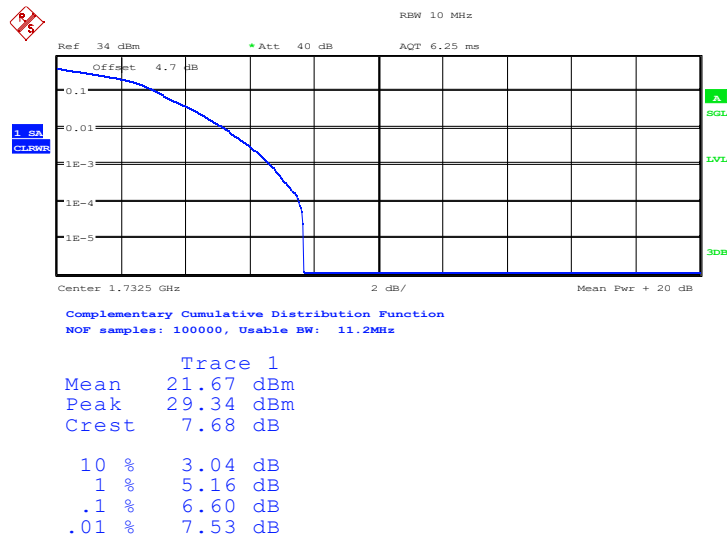
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Date: 9.MAY.2024 16:39:50

LTE band 4 , 1.4MHz Bandwidth,16QAM

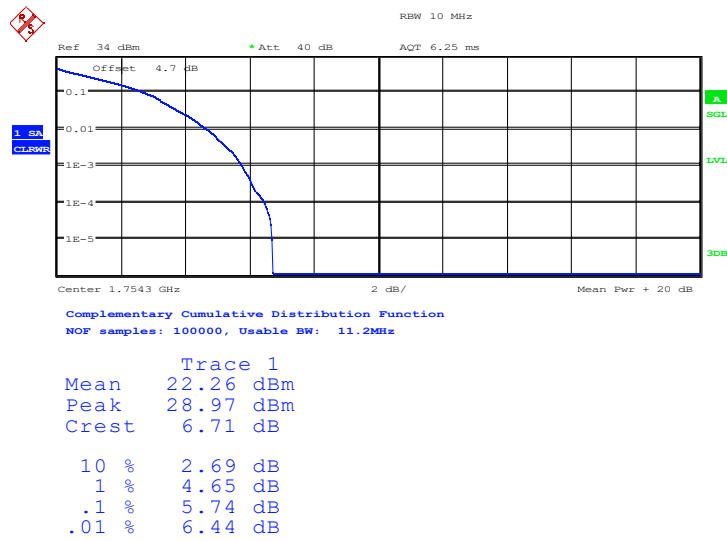


Date: 9.MAY.2024 16:40:03

LTE band 4 , 1.4MHz Bandwidth,QPSK

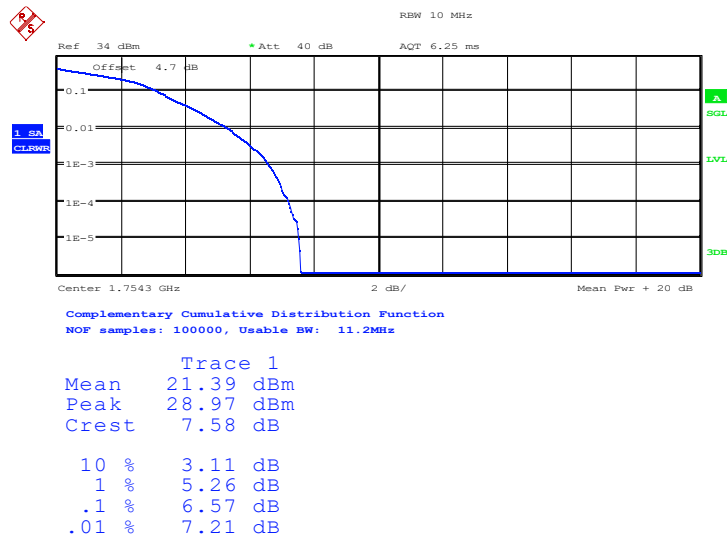
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Date: 9.MAY.2024 16:40:23

LTE band 4 , 1.4MHz Bandwidth,16QAM



Date: 9.MAY.2024 16:40:46

LTE Band 4, 3MHz

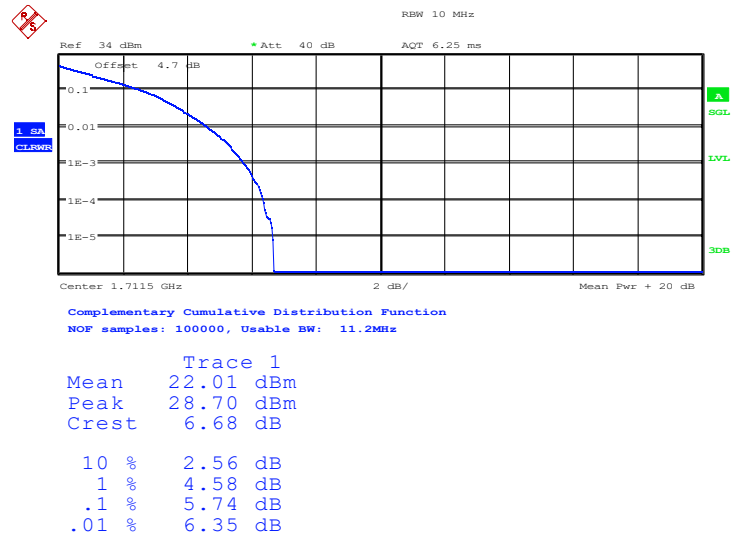
Frequency (MHz)	RB	PAPR (dB)
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		QPSK	16QAM
1711.5	100%,0	5.74	6.54
1732.5	100%,0	5.64	6.41
1753.5	100%,0	5.77	6.57

LTE band 4 , 3MHz Bandwidth,QPSK

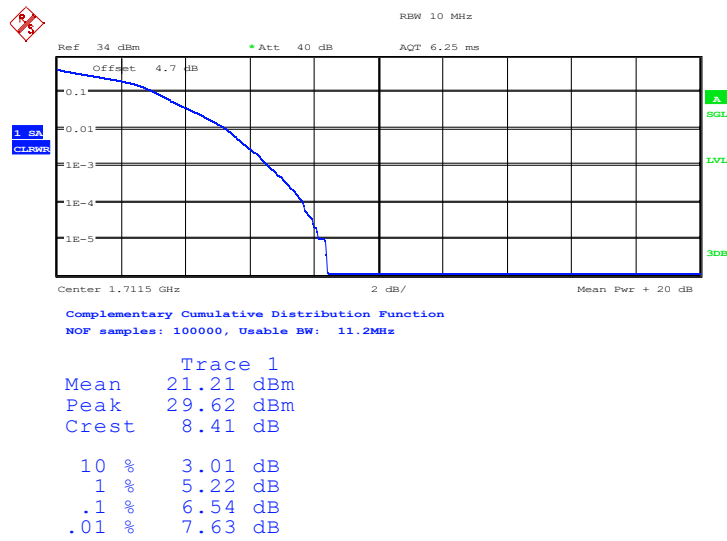


Date: 9.MAY.2024 16:41:15

LTE band 4 , 3MHz Bandwidth,16QAM

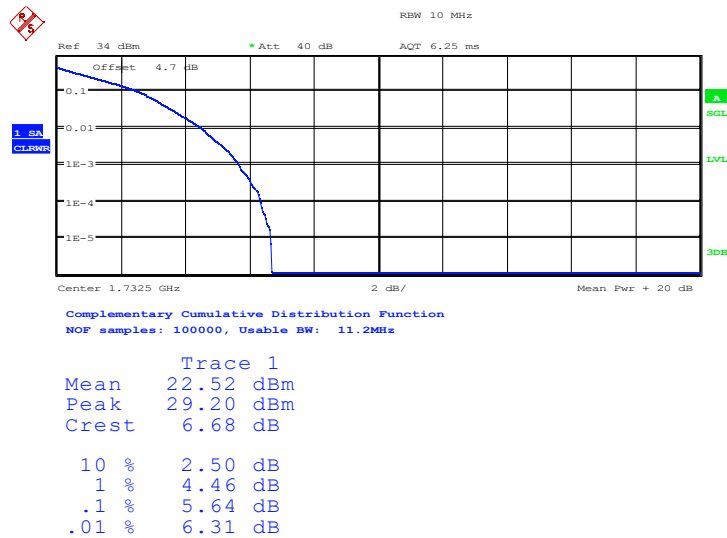
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Date: 9.MAY.2024 16:41:28

LTE band 4 , 3MHz Bandwidth,QPSK

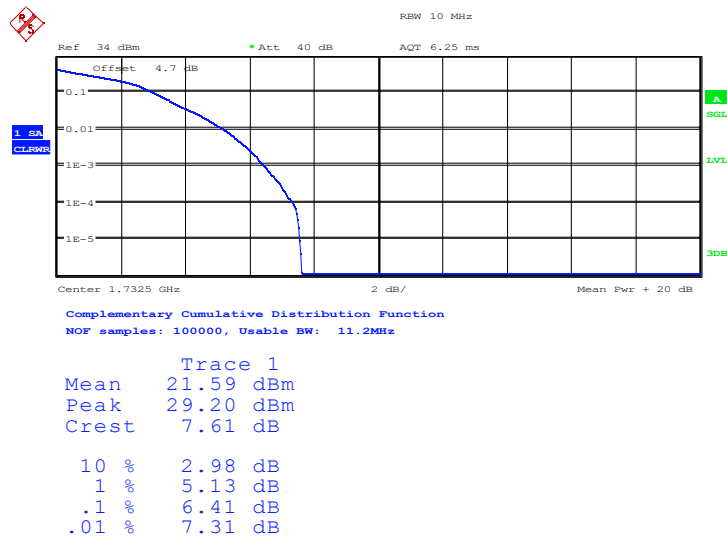


Date: 9.MAY.2024 16:41:45

LTE band 4 , 3MHz Bandwidth,16QAM

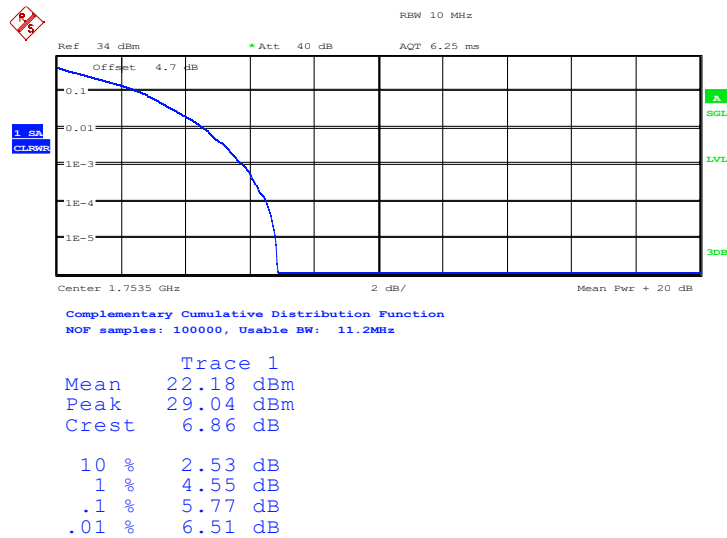
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Date: 9.MAY.2024 16:41:58

LTE band 4 , 3MHz Bandwidth,QPSK

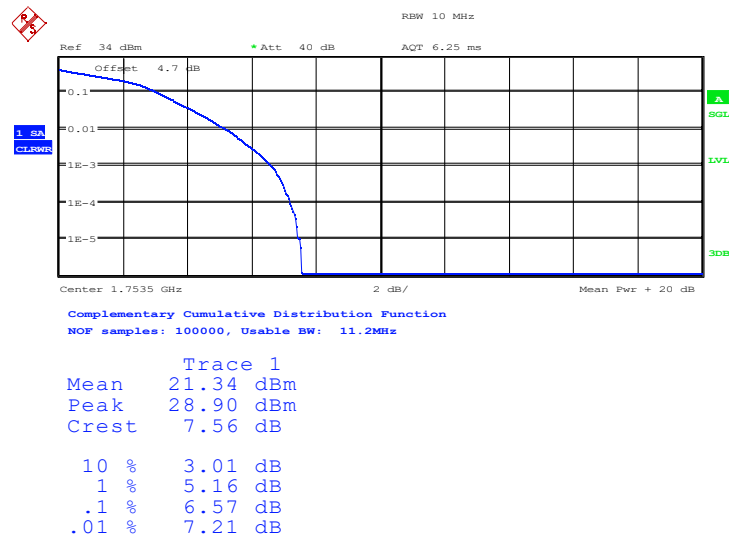


Date: 9.MAY.2024 16:42:15

LTE band 4 , 3MHz Bandwidth,16QAM

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Date: 9.MAY.2024 16:42:31

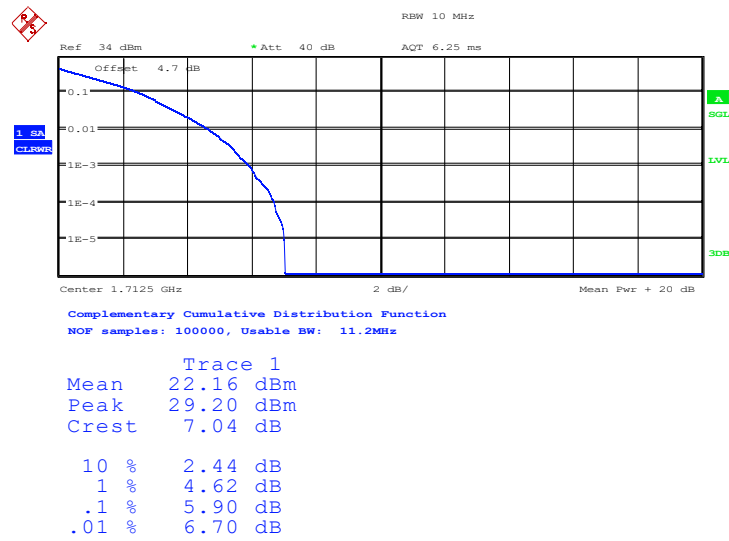
LTE Band 4, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1712.5	100%,0	5.90	6.47
1732.5	100%,0	5.58	6.38
1752.5	100%,0	5.64	6.28

LTE band 4 , 5MHz Bandwidth,QPSK

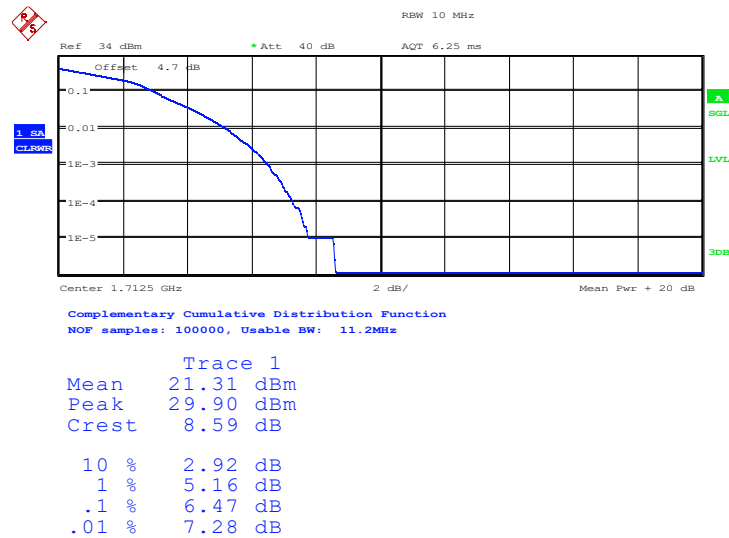
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Date: 9.MAY.2024 16:42:57

LTE band 4 , 5MHz Bandwidth,16QAM

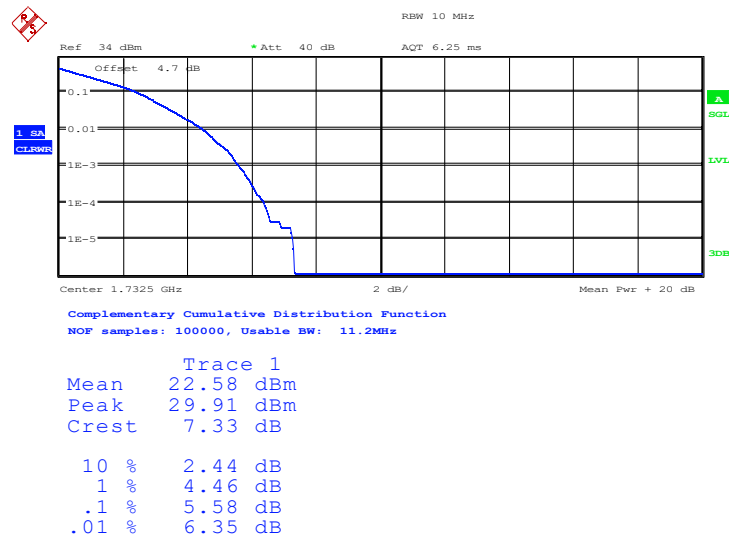


Date: 9.MAY.2024 16:43:10

LTE band 4 , 5MHz Bandwidth,QPSK

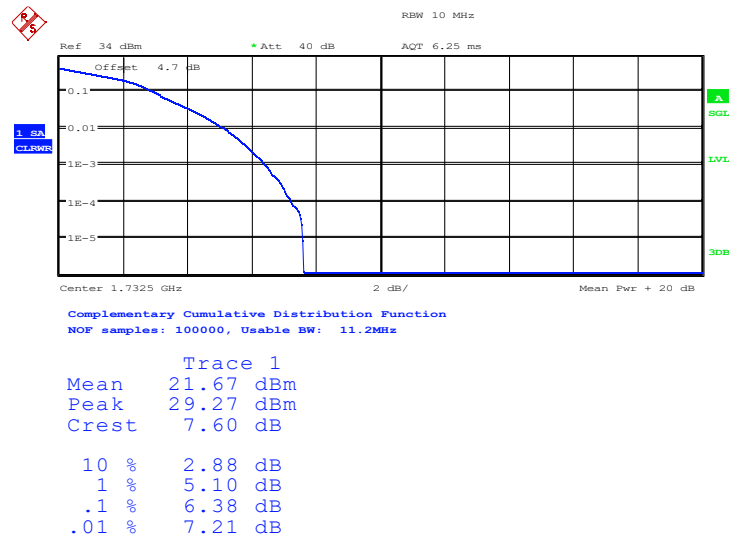
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Date: 9.MAY.2024 16:43:32

LTE band 4 , 5MHz Bandwidth,16QAM

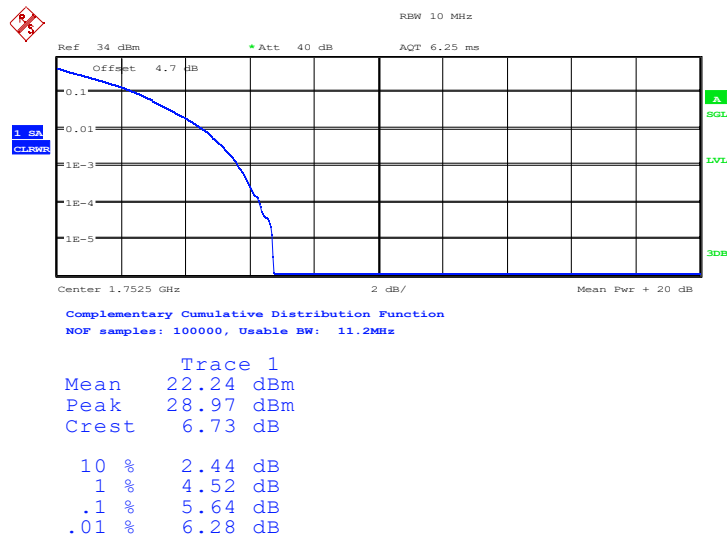


Date: 9.MAY.2024 16:43:48

LTE band 4 , 5MHz Bandwidth,QPSK

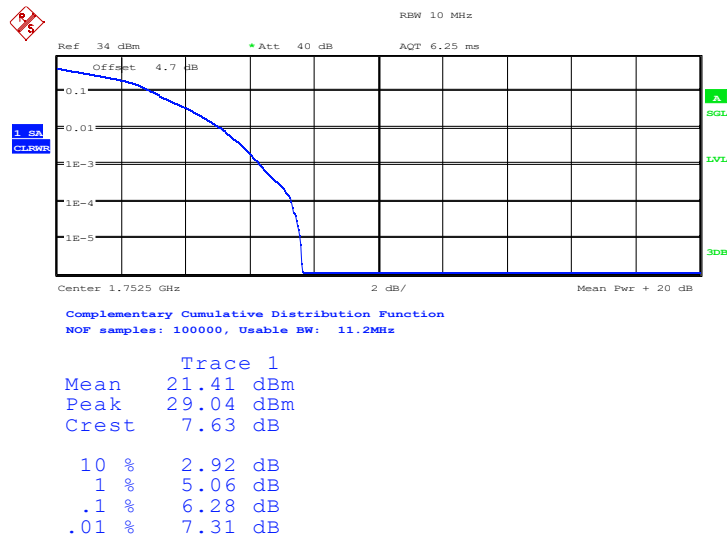
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Date: 9.MAY.2024 16:44:07

LTE band 4 , 5MHz Bandwidth,16QAM



Date: 9.MAY.2024 16:44:26

LTE Band 4, 10MHz

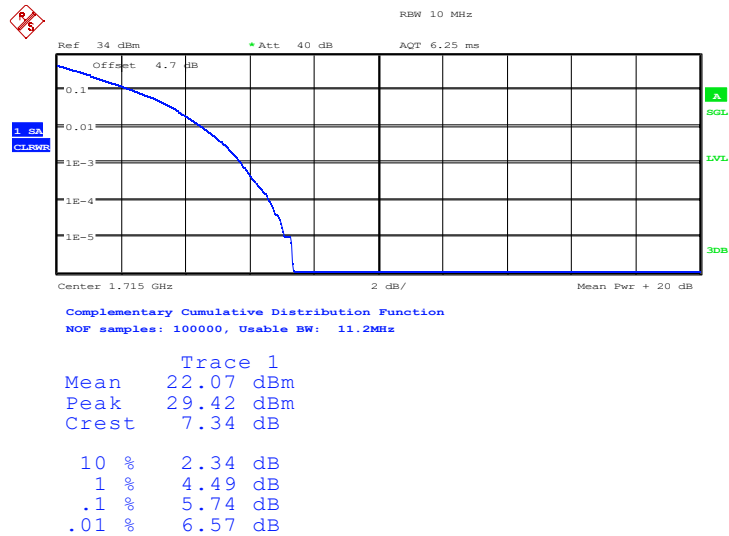
Frequency (MHz)	RB	PAPR (dB)
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		QPSK
1715	100%,0	5.74
1732.5	100%,0	5.51
1750	100%,0	5.58

LTE band 4 , 10MHz Bandwidth,QPSK

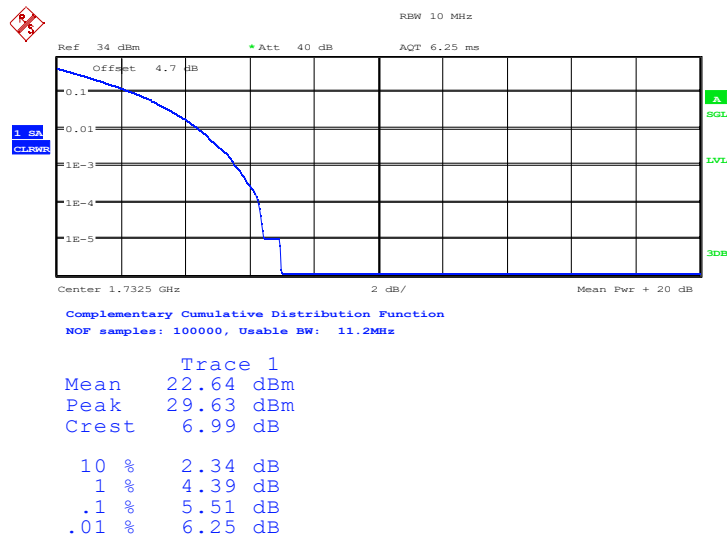


Date: 9.MAY.2024 16:44:58

LTE band 4 , 10MHz Bandwidth,QPSK

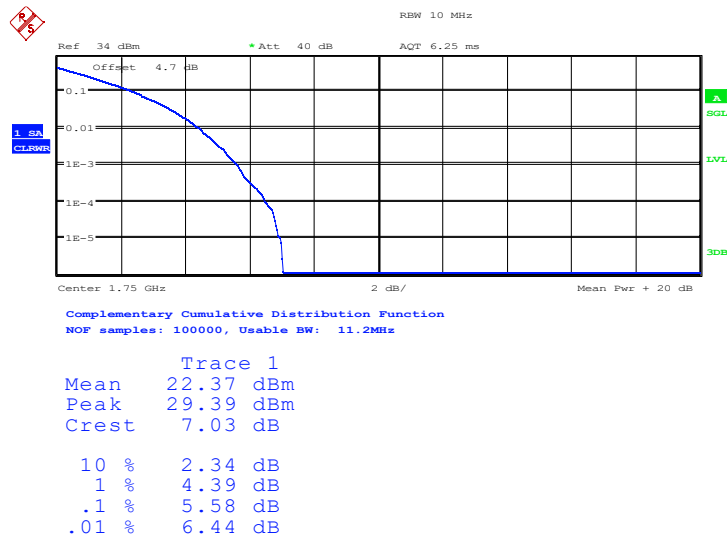
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Date: 9.MAY.2024 16:45:19

LTE band 4 , 10MHz Bandwidth,QPSK



Date: 9.MAY.2024 16:45:40

LTE Band 4, 15MHz

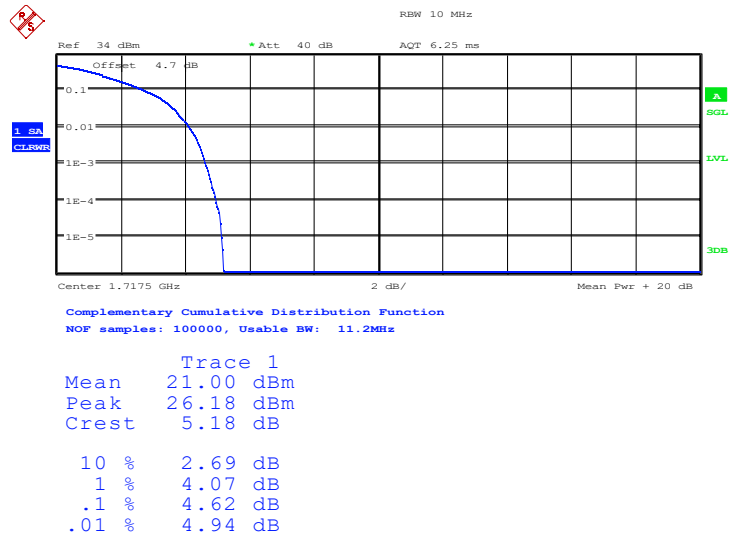
Frequency (MHz)	RB	PAPR (dB)
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		QPSK
1717.5	100%,0	4.62
1732.5	100%,0	4.55
1747.5	100%,0	4.49

LTE band 4 , 15MHz Bandwidth,QPSK

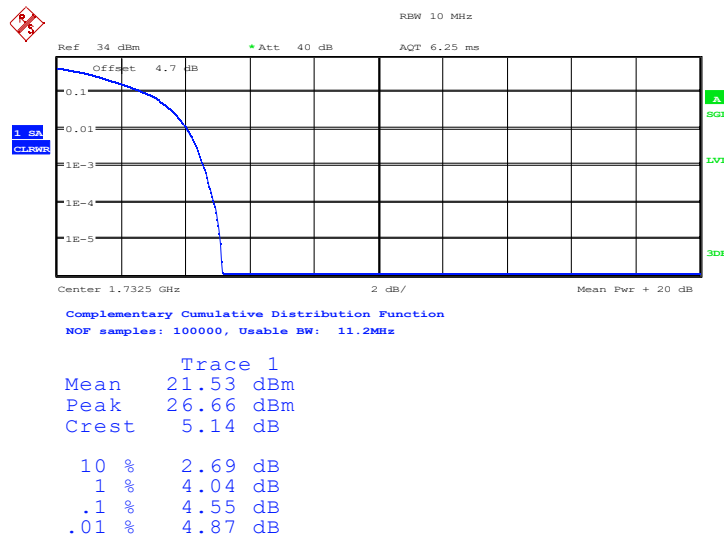


Date: 9.MAY.2024 16:46:06

LTE band 4 , 15MHz Bandwidth,QPSK

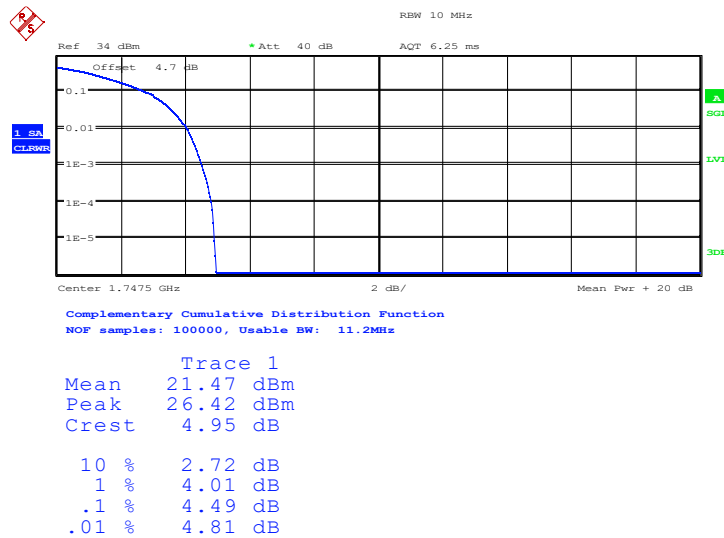
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Date: 9.MAY.2024 16:46:23

LTE band 4 , 15MHz Bandwidth,QPSK



Date: 9.MAY.2024 16:46:43

LTE Band 4, 20MHz

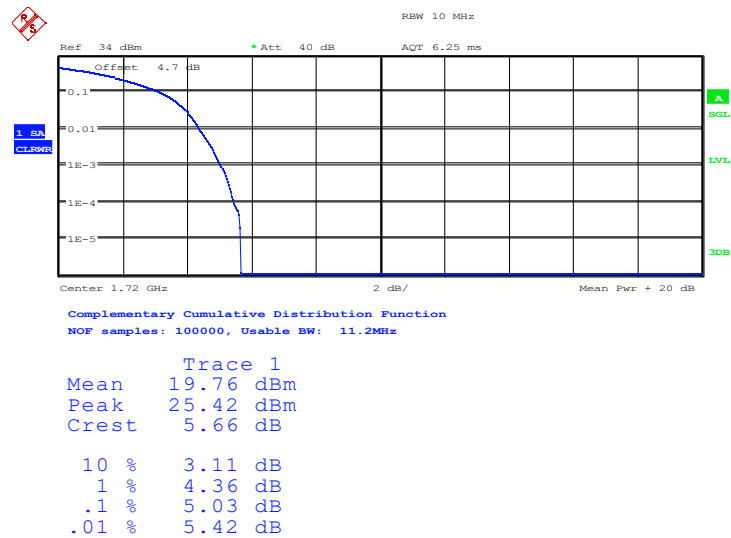
Frequency (MHz)	RB	PAPR (dB)
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		QPSK
1720	100%,0	5.03
1732.5	100%,0	5.06
1745	100%,0	5.10

LTE band 4 , 20MHz Bandwidth,QPSK

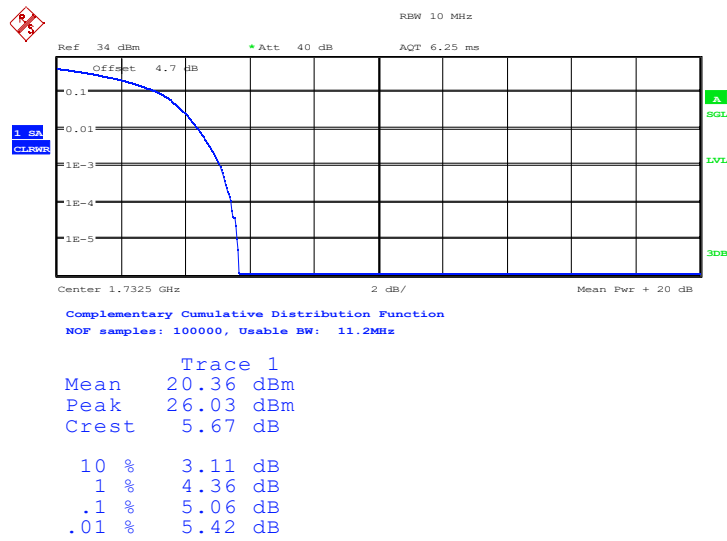


Date: 9.MAY.2024 16:47:09

LTE band 4 , 20MHz Bandwidth,QPSK

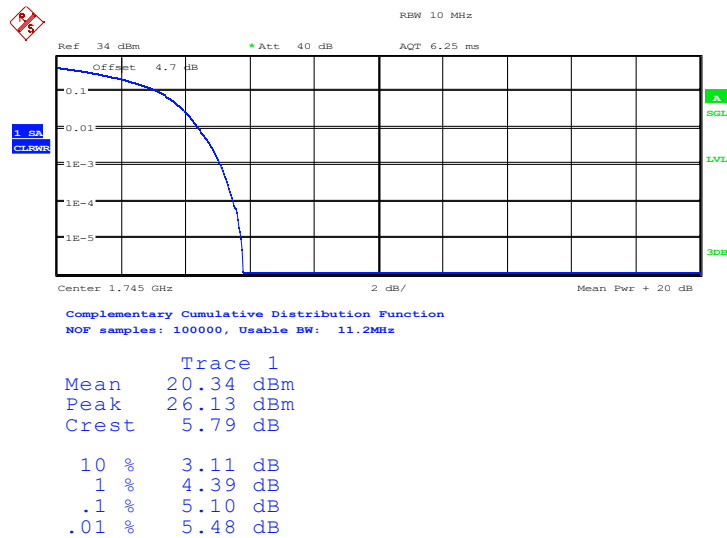
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Date: 9.MAY.2024 16:47:32

LTE band 4 , 20MHz Bandwidth,QPSK



Date: 9.MAY.2024 16:47:57

LTE Band 5, BW1_4MHz

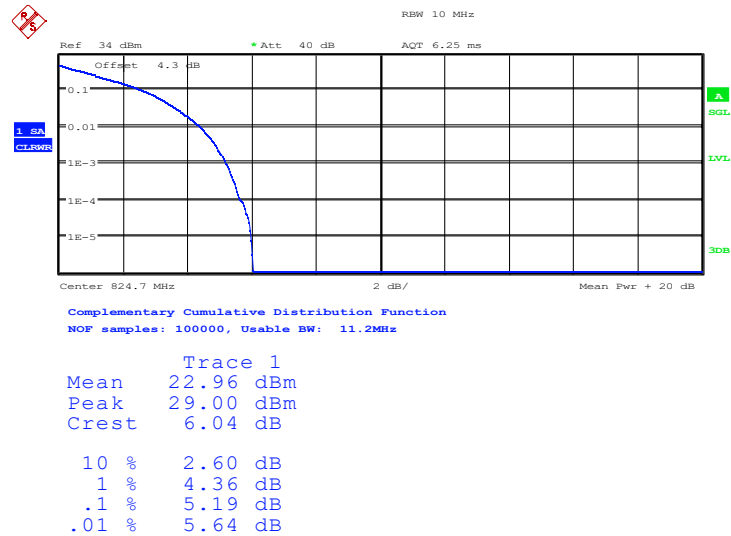
Frequency (MHz)	RB	PAPR (dB)
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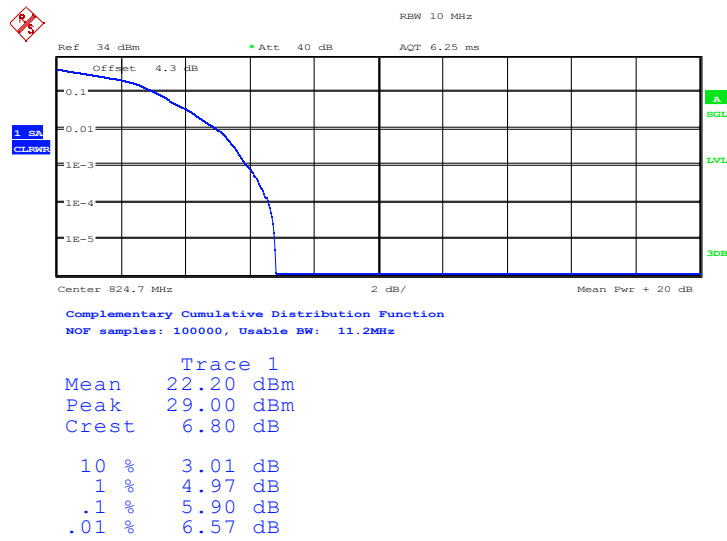
		QPSK	16QAM
824.7	100%,0	5.19	5.90
836.5	100%,0	5.38	6.25
848.3	100%,0	5.22	6.15

LTE band 5 , 1.4MHz Bandwidth,QPSK



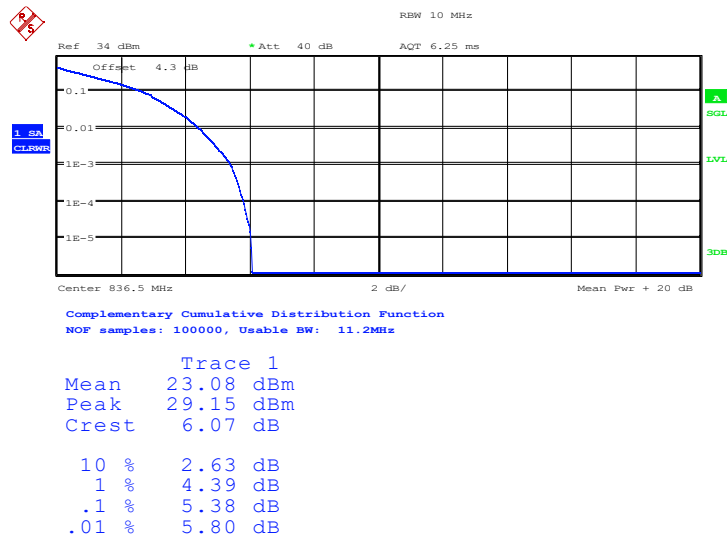
Date: 9.MAY.2024 16:48:26

LTE band 5 , 1.4MHz Bandwidth,16QAM



Date: 9.MAY.2024 16:48:49

LTE band 5 , 1.4MHz Bandwidth,QPSK

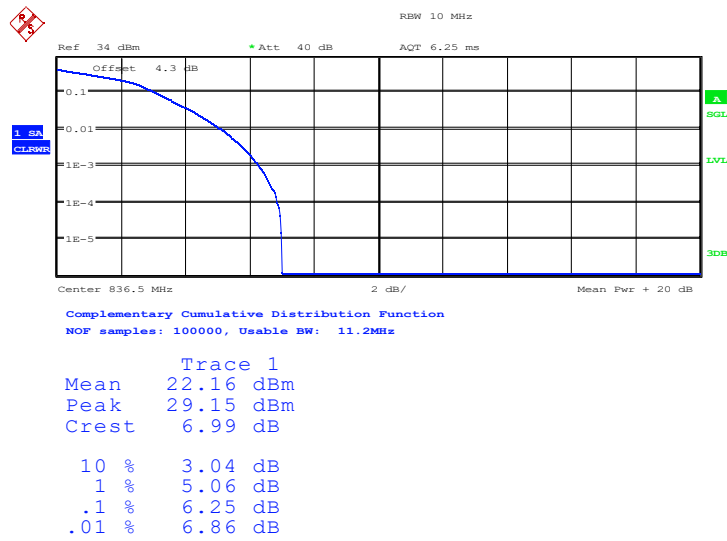


Date: 9.MAY.2024 16:49:14

LTE band 5 , 1.4MHz Bandwidth,16QAM

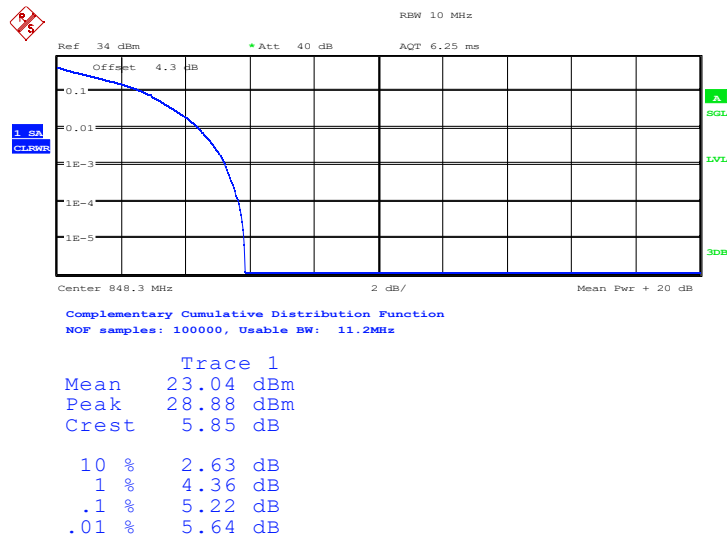
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Date: 9.MAY.2024 16:49:31

LTE band 5 , 1.4MHz Bandwidth,QPSK

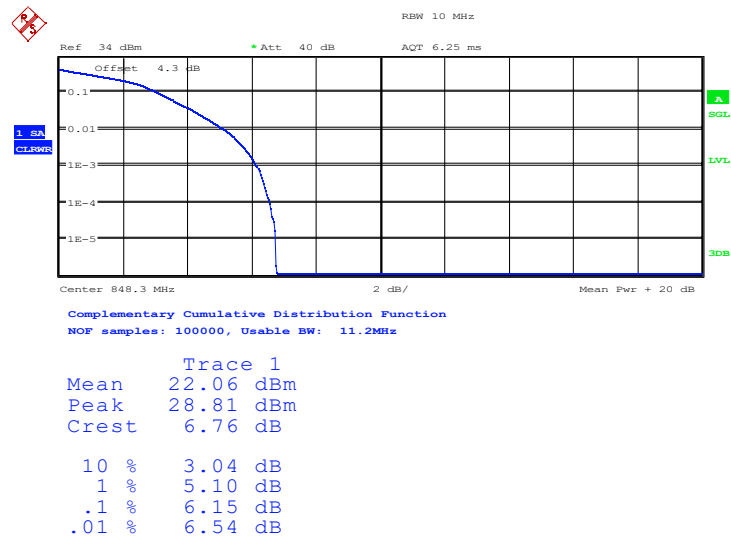


Date: 9.MAY.2024 16:49:56

LTE band 5 , 1.4MHz Bandwidth,16QAM

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Date: 9.MAY.2024 16:50:09

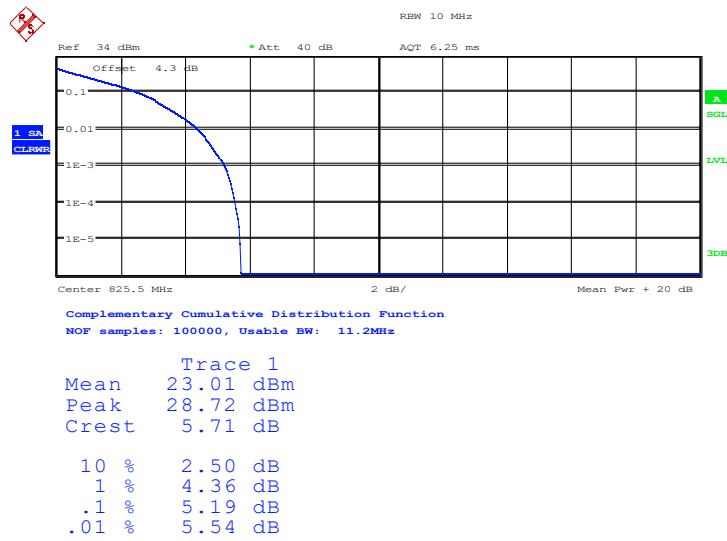
LTE Band 5, 3MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
825.5	100%,0	5.19	5.96
836.5	100%,0	5.32	6.19
847.5	100%,0	5.22	6.09

LTE band 5 , 3MHz Bandwidth,QPSK

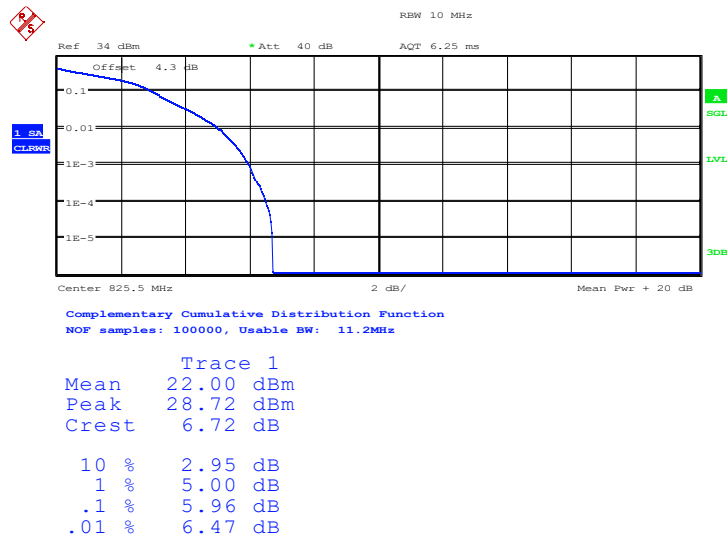
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Date: 9.MAY.2024 16:50:34

LTE band 5 , 3MHz Bandwidth,16QAM

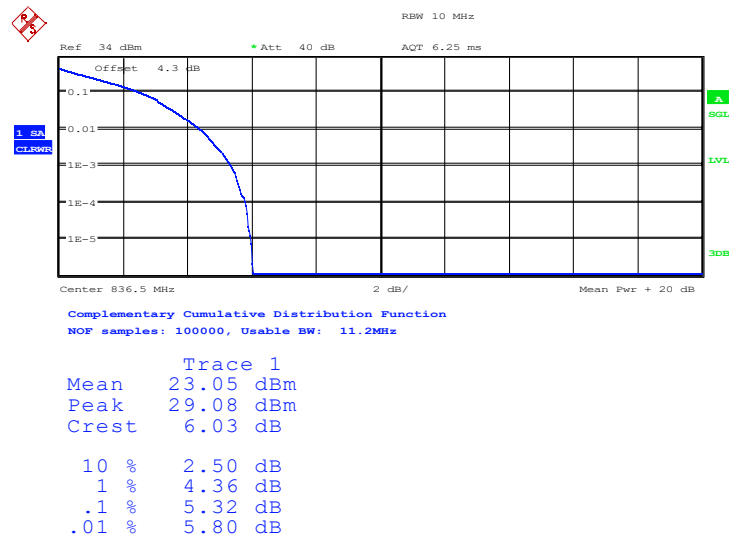


Date: 9.MAY.2024 16:50:50

LTE band 5 , 3MHz Bandwidth,QPSK

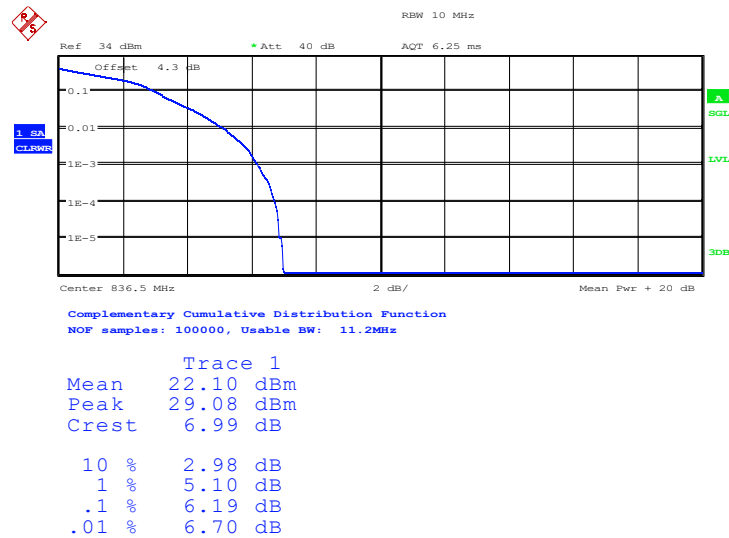
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Date: 9.MAY.2024 16:51:10

LTE band 5 , 3MHz Bandwidth,16QAM

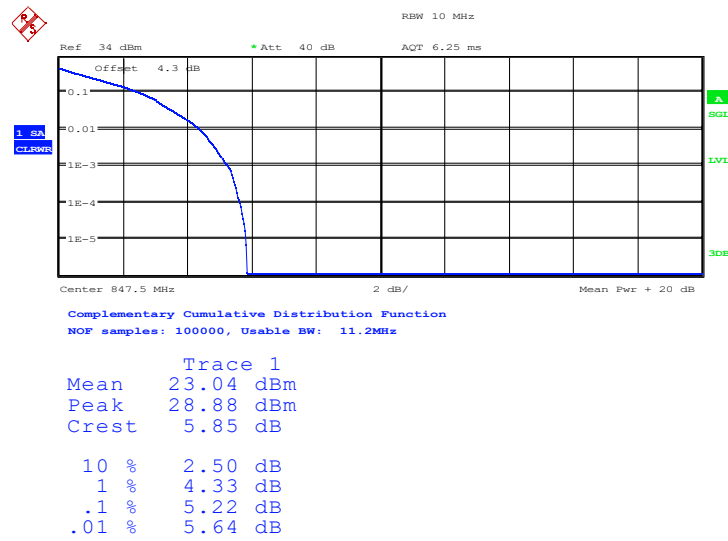


Date: 9.MAY.2024 16:51:23

LTE band 5 , 3MHz Bandwidth,QPSK

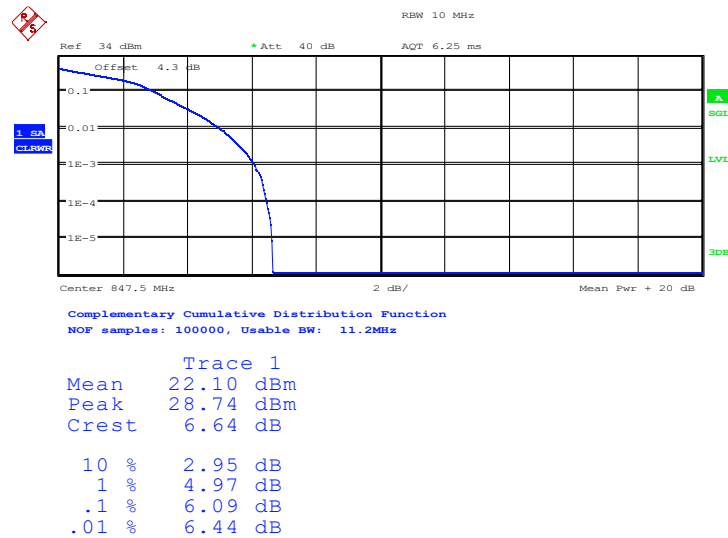
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Date: 9.MAY.2024 16:51:41

LTE band 5 , 3MHz Bandwidth,16QAM



Date: 9.MAY.2024 16:51:56

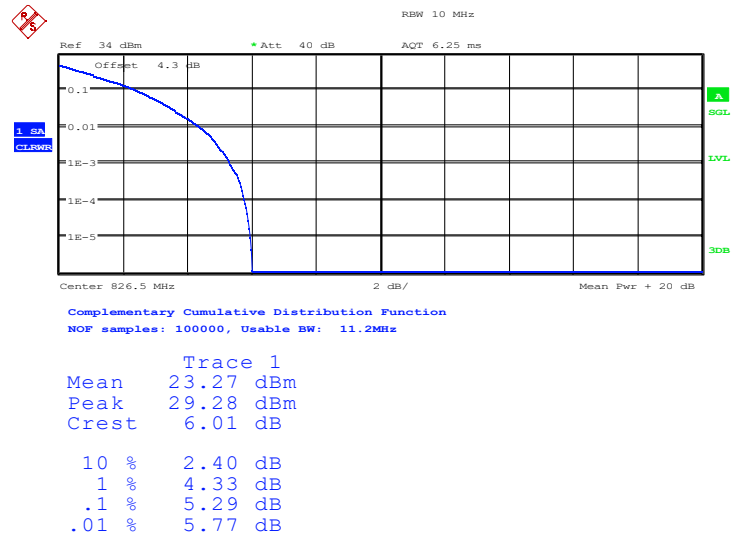
LTE Band 5, 5MHz

Frequency (MHz)	RB	PAPR (dB)
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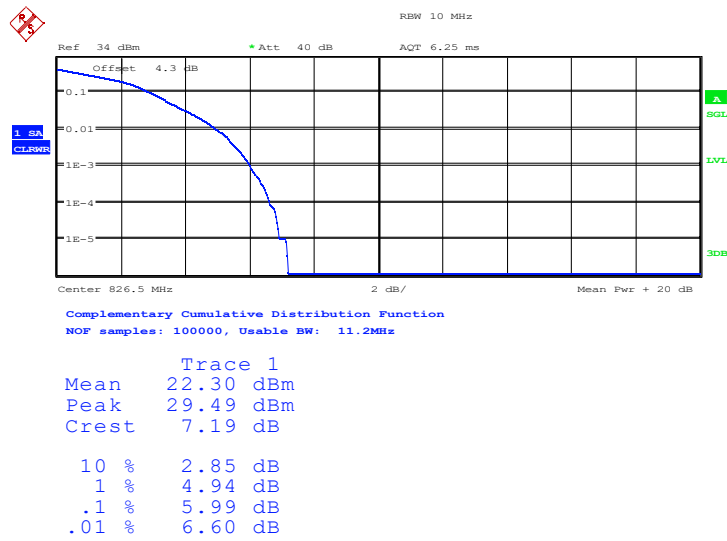
		QPSK	16QAM
826.5	100%,0	5.29	5.99
836.5	100%,0	5.38	6.12
846.5	100%,0	5.13	5.93

LTE band 5 , 5MHz Bandwidth,QPSK


Date: 9.MAY.2024 16:52:21

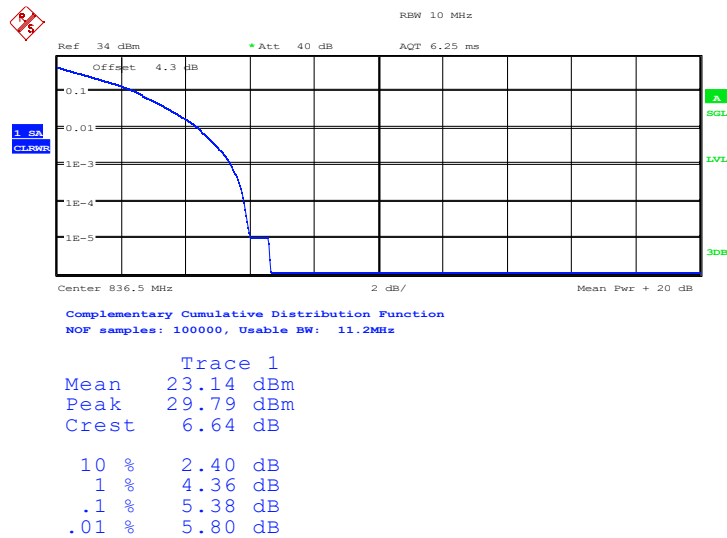
LTE band 5 , 5MHz Bandwidth,16QAM
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Date: 9.MAY.2024 16:52:33

LTE band 5 , 5MHz Bandwidth,QPSK

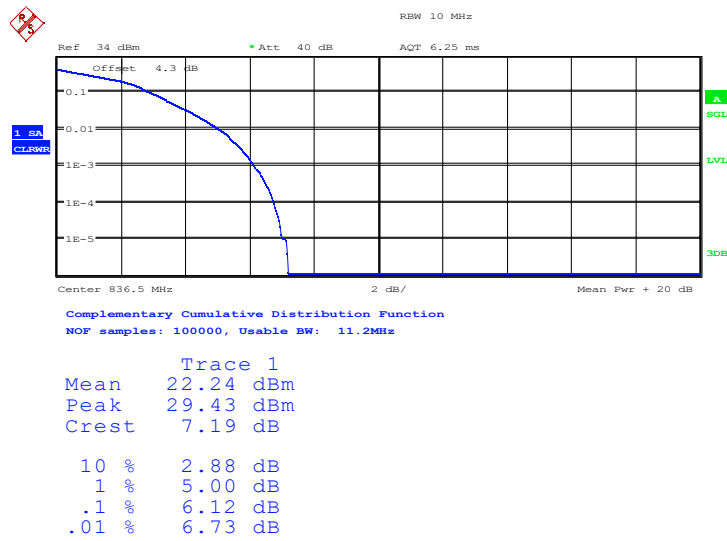


Date: 9.MAY.2024 16:52:53

LTE band 5 , 5MHz Bandwidth,16QAM

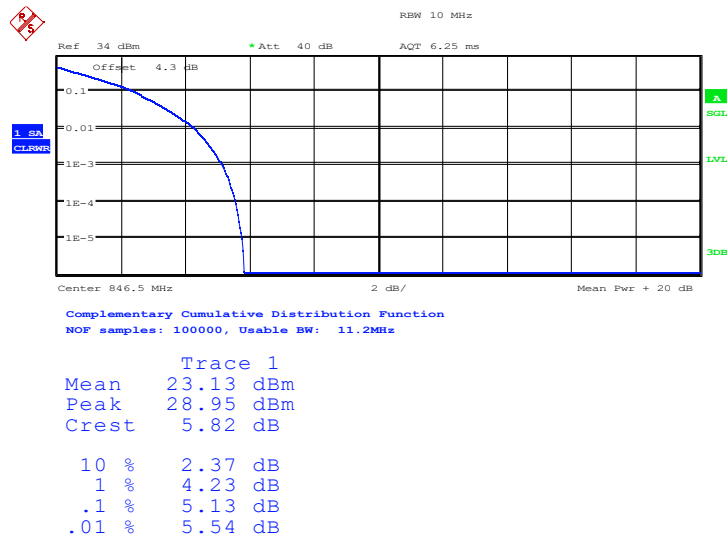
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Date: 9.MAY.2024 16:53:05

LTE band 5 , 5MHz Bandwidth,QPSK

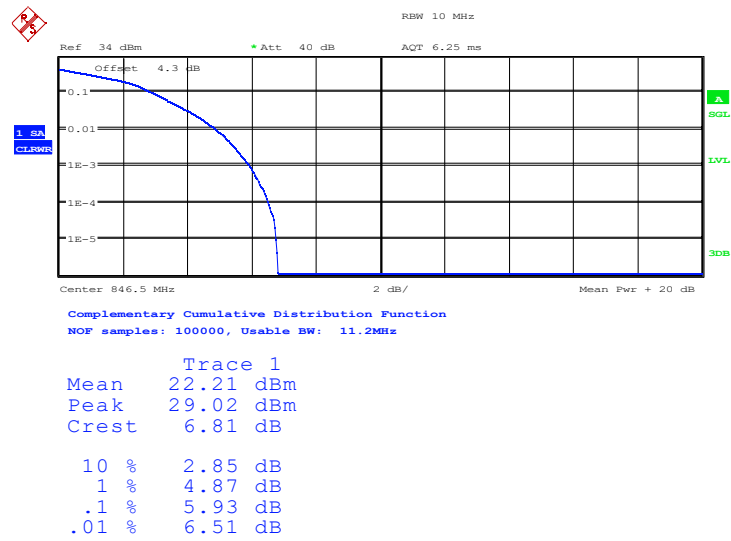


Date: 9.MAY.2024 16:53:22

LTE band 5 , 5MHz Bandwidth,16QAM

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Date: 9.MAY.2024 16:53:36

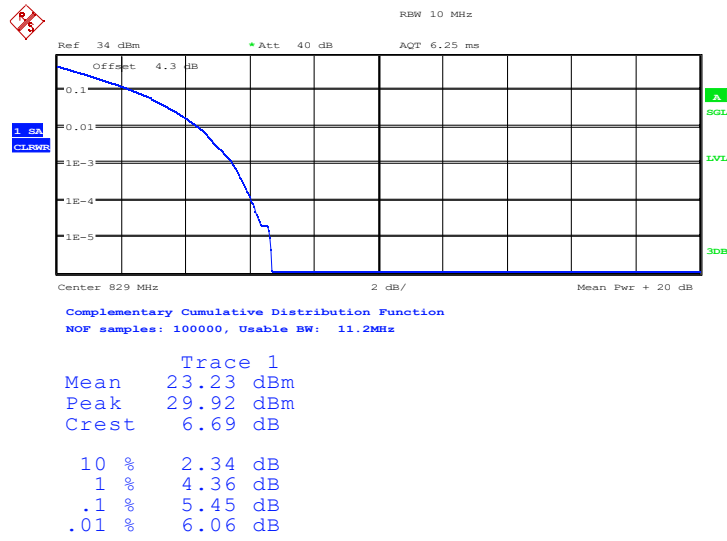
LTE Band 5, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
829	100%,0	5.45
836.5	100%,0	5.38
844	100%,0	5.22

LTE band 5 , 10MHz Bandwidth,QPSK

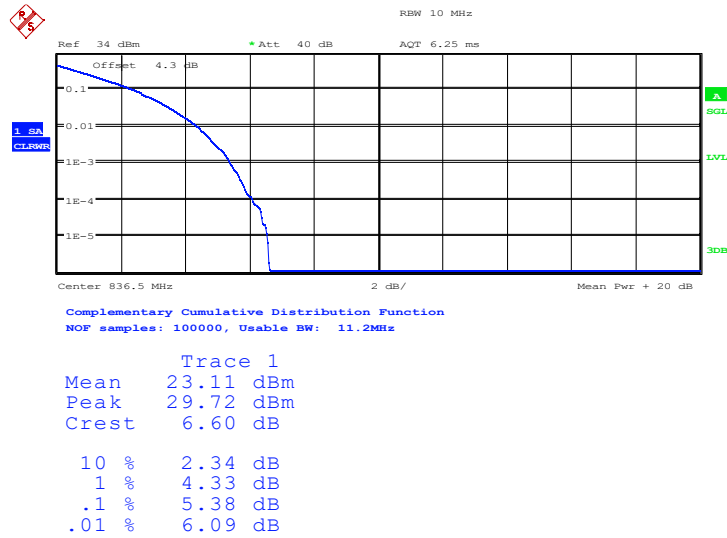
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Date: 9.MAY.2024 16:54:00

LTE band 5 , 10MHz Bandwidth,QPSK

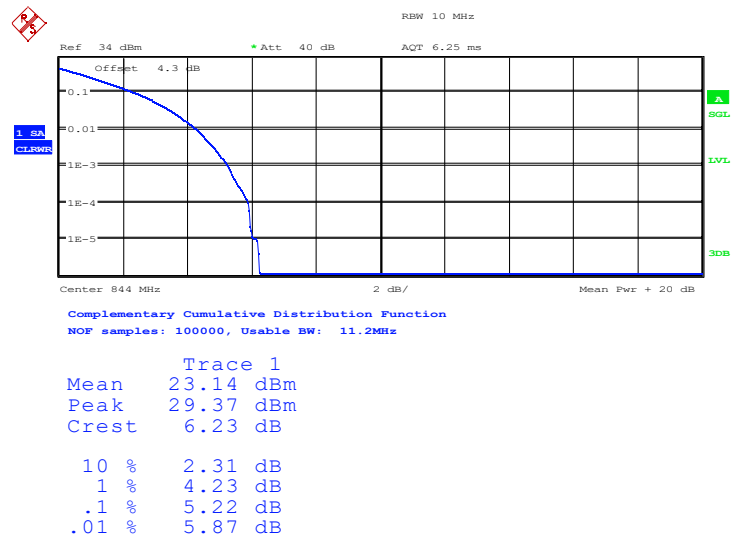


Date: 9.MAY.2024 16:54:17

LTE band 5 , 10MHz Bandwidth,QPSK

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Date: 9.MAY.2024 16:54:42

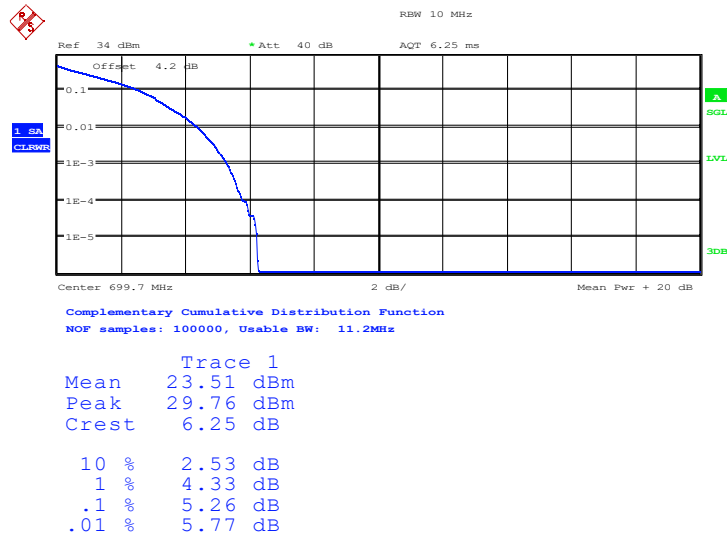
LTE Band 12, BW1_4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
699.7	100%,0	5.26	5.96
707.5	100%,0	5.51	6.38
715.3	100%,0	4.78	5.74

LTE band 12 , 1.4MHz Bandwidth,QPSK

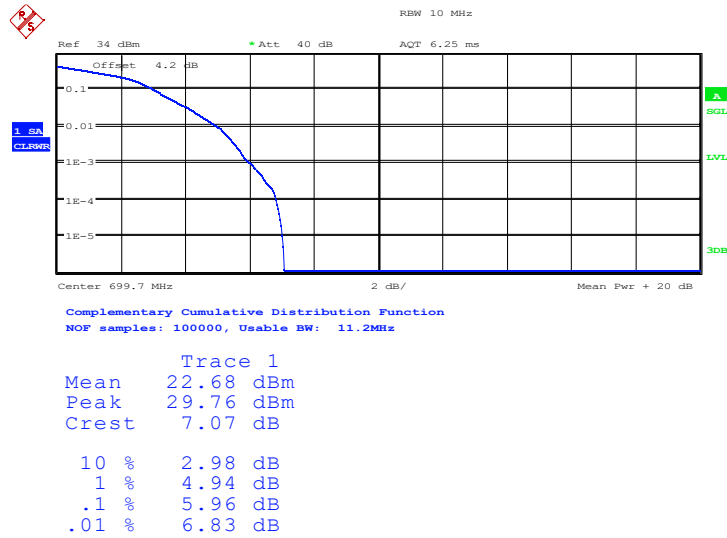
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Date: 9.MAY.2024 16:55:13

LTE band 12 , 1.4MHz Bandwidth,16QAM

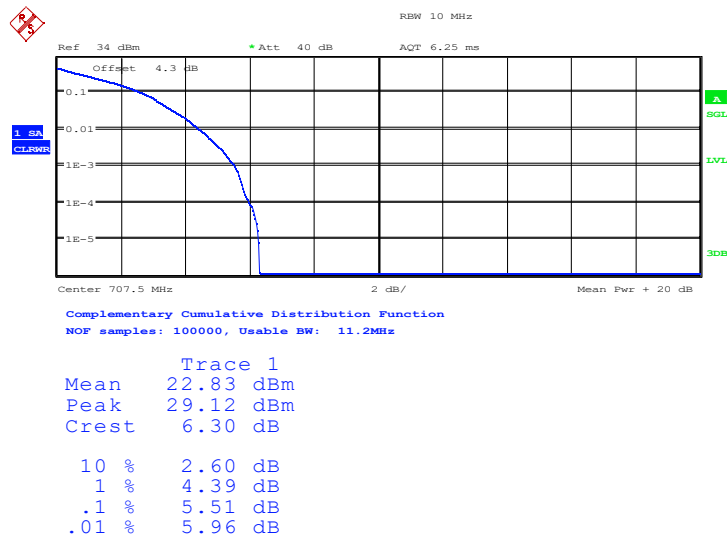


Date: 9.MAY.2024 16:55:30

LTE band 12 , 1.4MHz Bandwidth,QPSK

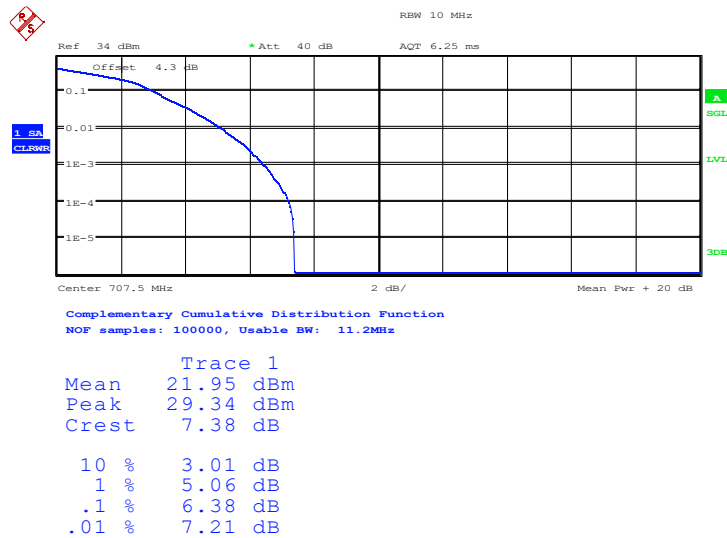
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Date: 9.MAY.2024 16:55:52

LTE band 12 , 1.4MHz Bandwidth,16QAM

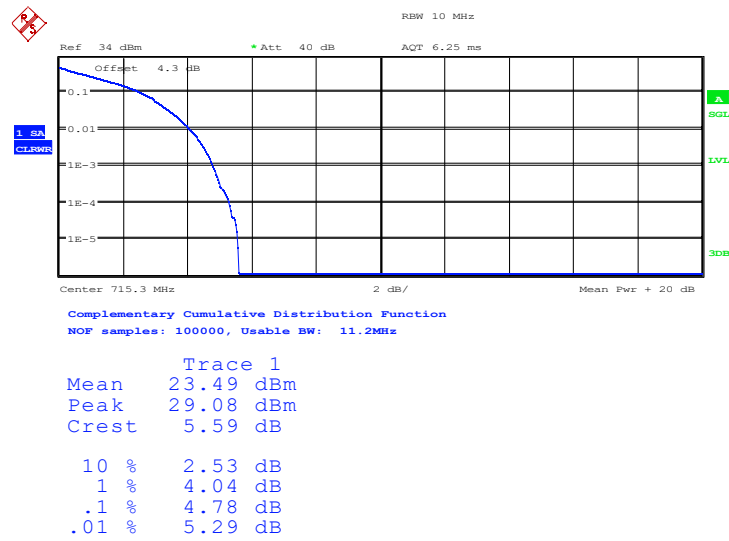


Date: 9.MAY.2024 16:56:13

LTE band 12 , 1.4MHz Bandwidth,QPSK

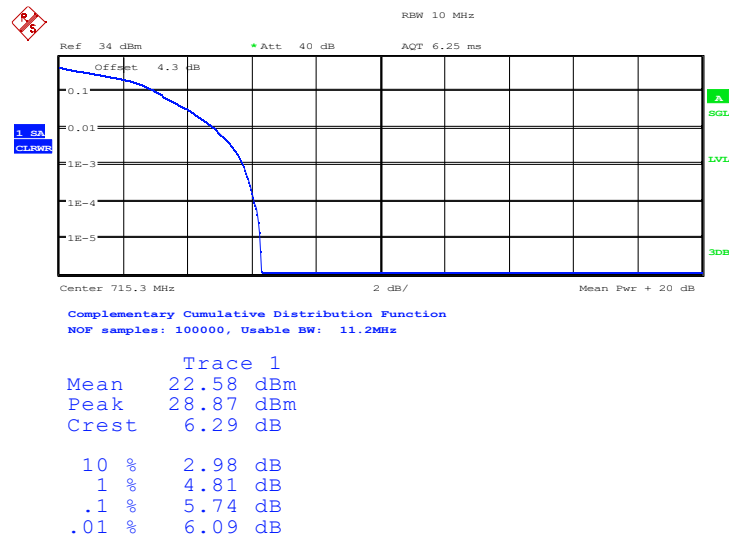
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Date: 9.MAY.2024 16:56:34

LTE band 12 , 1.4MHz Bandwidth,16QAM



Date: 9.MAY.2024 16:56:52

LTE Band 12, 3MHz

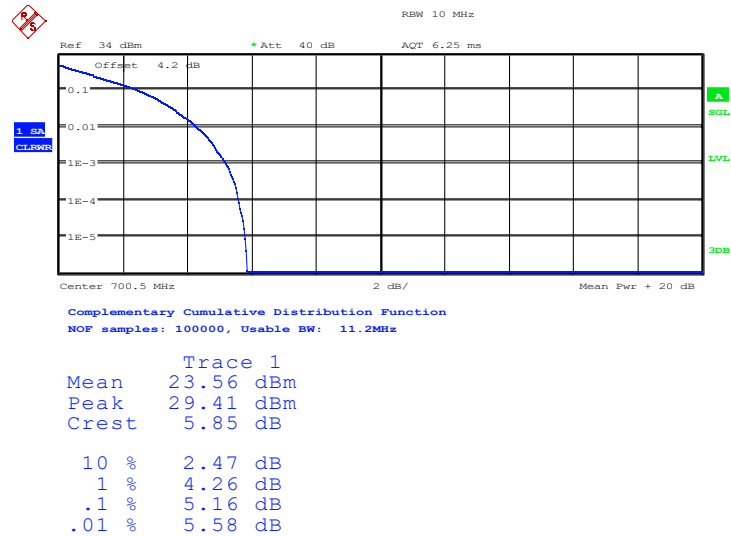
Frequency (MHz)	RB	PAPR (dB)
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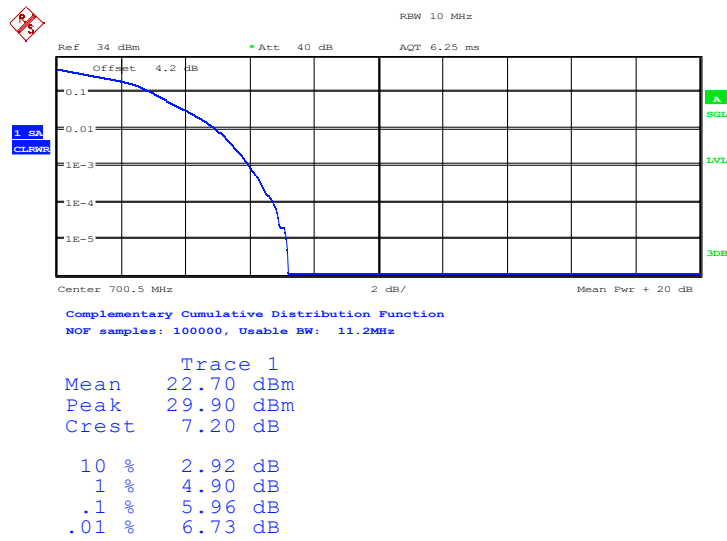
		QPSK	16QAM
700.5	100%,0	5.16	5.96
707.5	100%,0	5.61	6.31
714.5	100%,0	4.87	5.77

LTE band 12 , 3MHz Bandwidth,QPSK



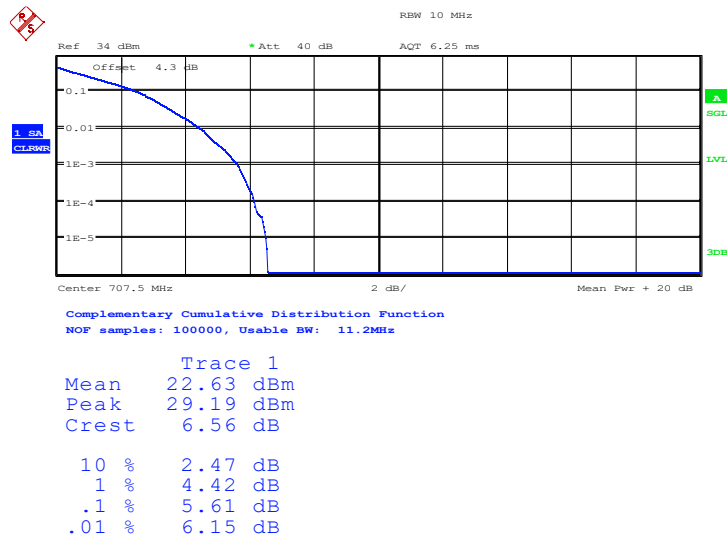
Date: 9.MAY.2024 16:57:16

LTE band 12 , 3MHz Bandwidth,16QAM



Date: 9.MAY.2024 16:57:35

LTE band 12 , 3MHz Bandwidth,QPSK

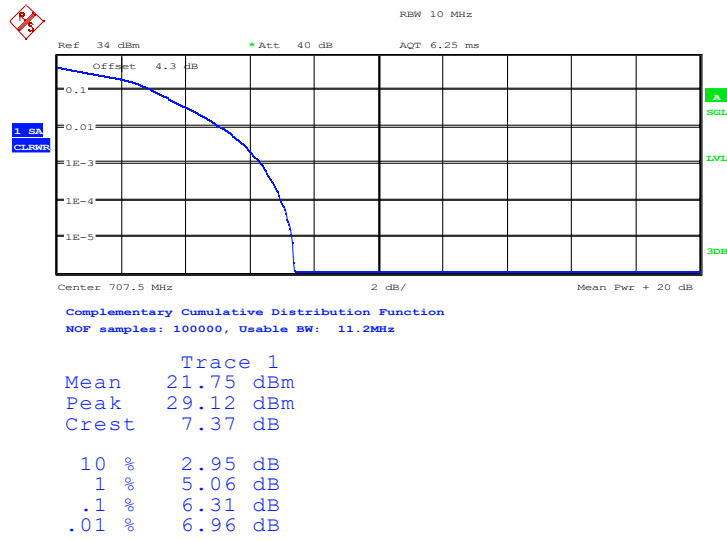


Date: 9.MAY.2024 16:58:00

LTE band 12 , 3MHz Bandwidth,16QAM

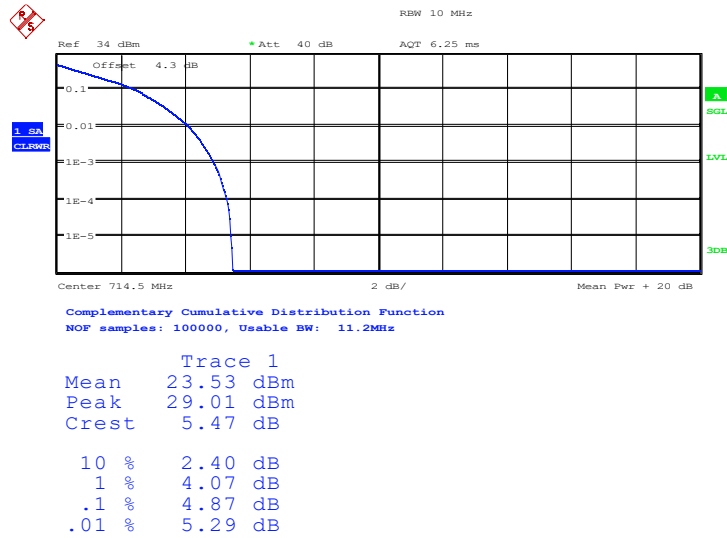
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Date: 9.MAY.2024 16:58:28

LTE band 12 , 3MHz Bandwidth,QPSK

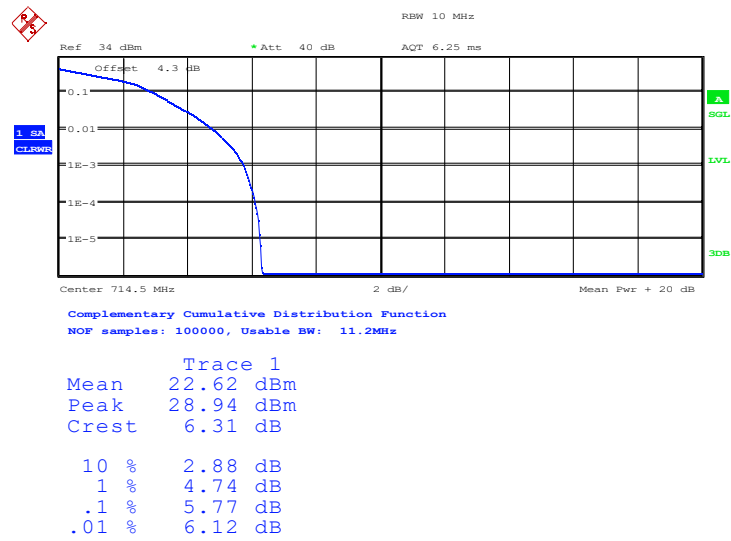


Date: 9.MAY.2024 16:58:52

LTE band 12 , 3MHz Bandwidth,16QAM

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Date: 9.MAY.2024 16:59:05

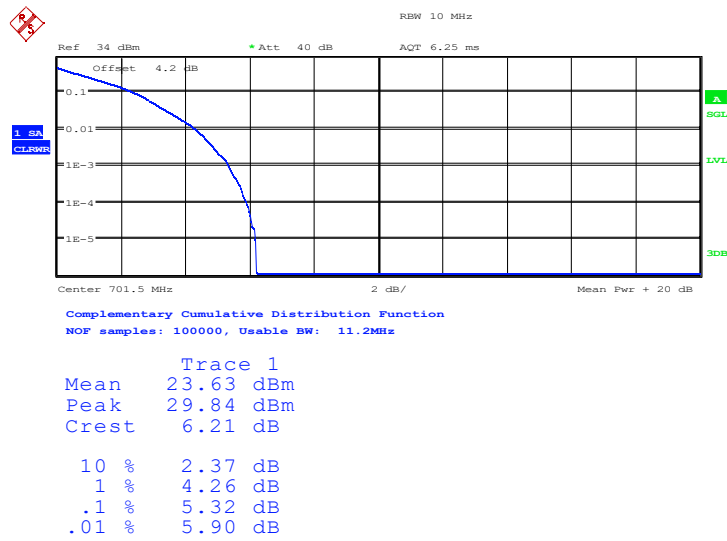
LTE Band 12, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
701.5	100%,0	5.32	6.12
707.5	100%,0	5.58	6.25
713.5	100%,0	4.87	5.67

LTE band 12 , 5MHz Bandwidth,QPSK

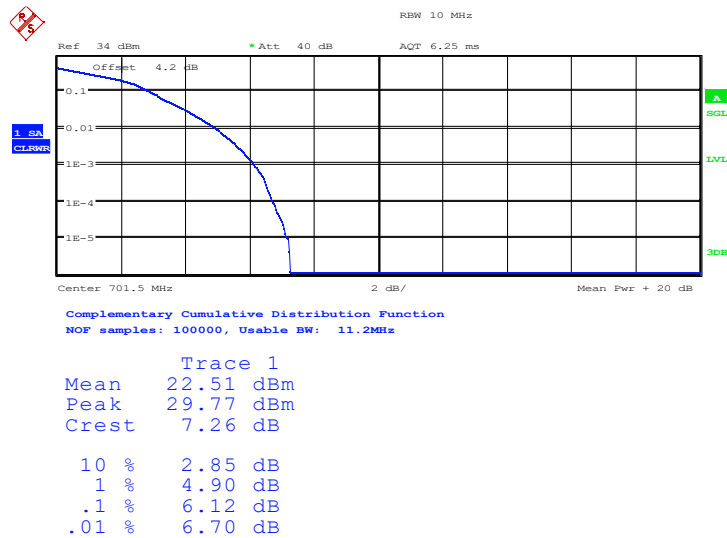
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Date: 9.MAY.2024 16:59:32

LTE band 12 , 5MHz Bandwidth,16QAM

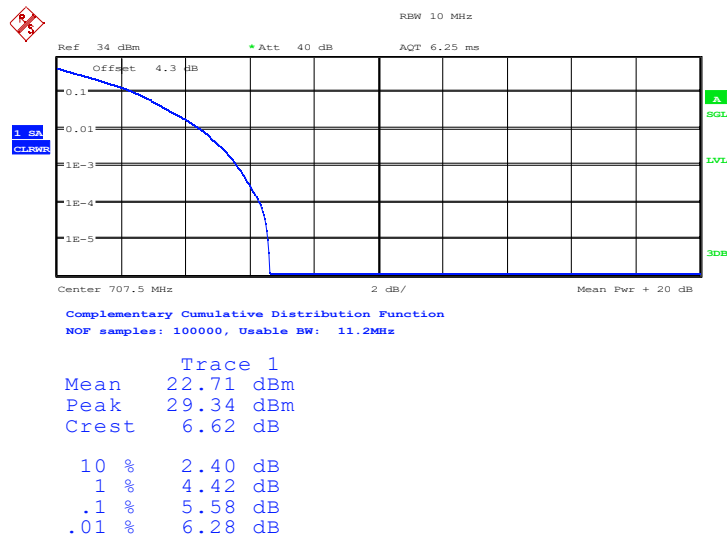


Date: 9.MAY.2024 17:53:38

LTE band 12 , 5MHz Bandwidth,QPSK

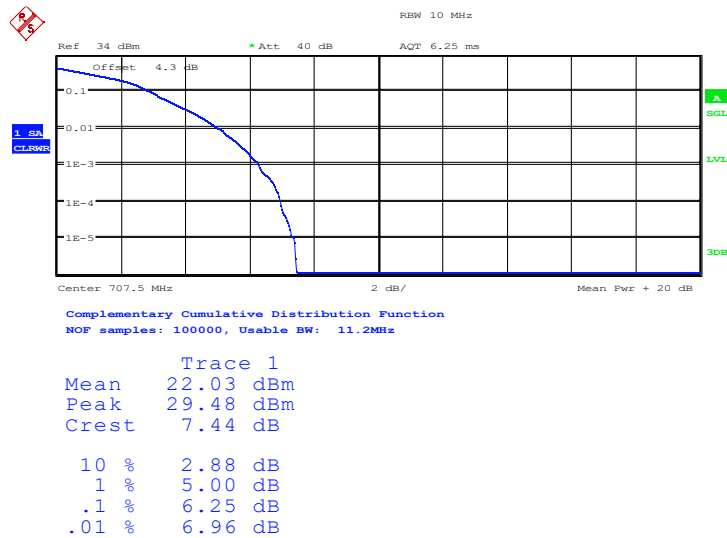
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Date: 9.MAY.2024 17:53:55

LTE band 12 , 5MHz Bandwidth,16QAM

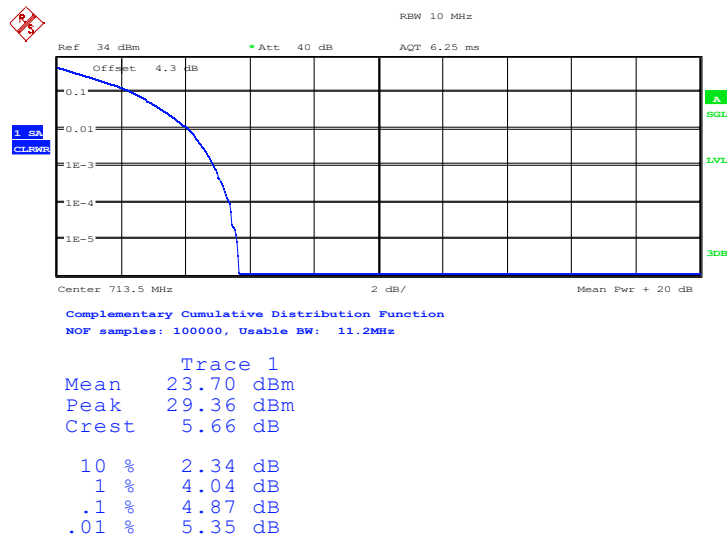


Date: 9.MAY.2024 17:00:22

LTE band 12 , 5MHz Bandwidth,QPSK

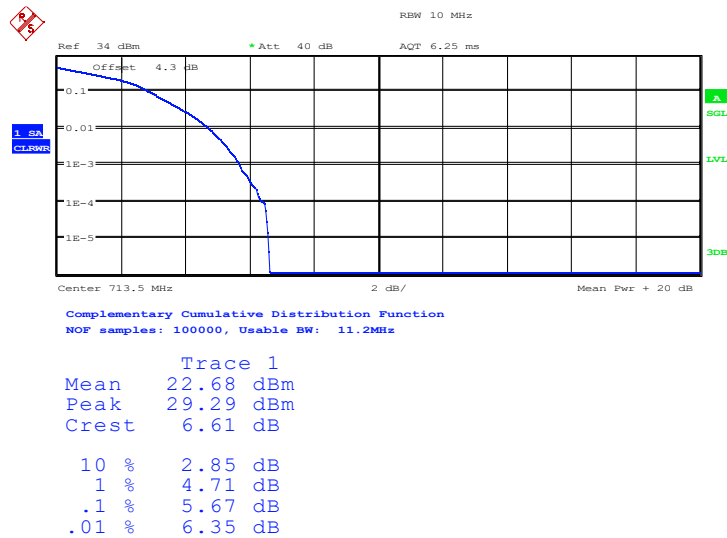
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Date: 9.MAY.2024 17:00:44

LTE band 12 , 5MHz Bandwidth,16QAM



Date: 9.MAY.2024 17:01:02

LTE Band 12, 10MHz

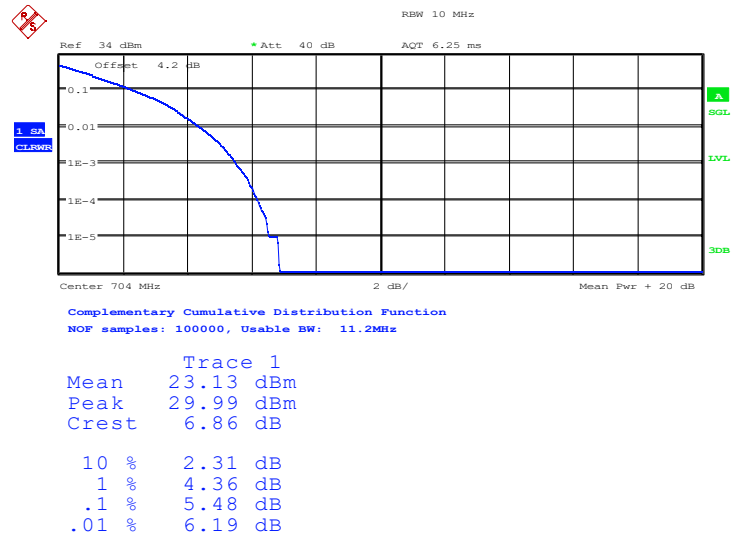
Frequency (MHz)	RB	PAPR (dB)
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		QPSK
704	100%,0	5.48
707.5	100%,0	5.58
711	100%,0	5.19

LTE band 12 , 10MHz Bandwidth,QPSK

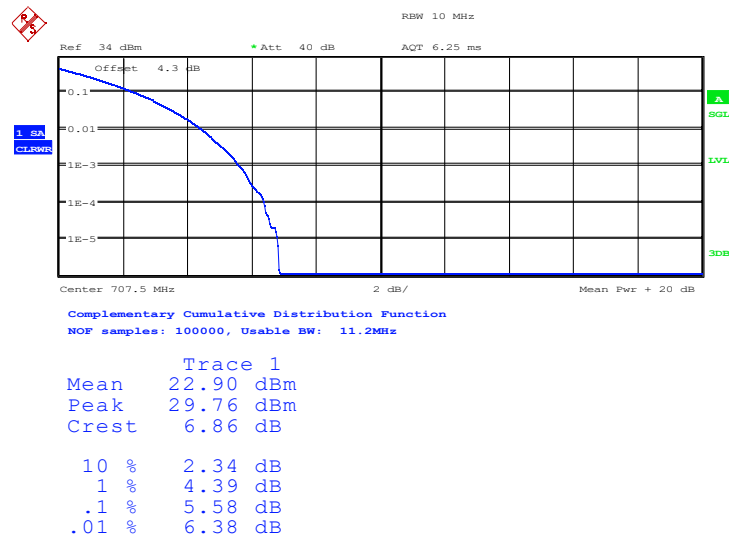


Date: 9.MAY.2024 17:01:31

LTE band 12 , 10MHz Bandwidth,QPSK

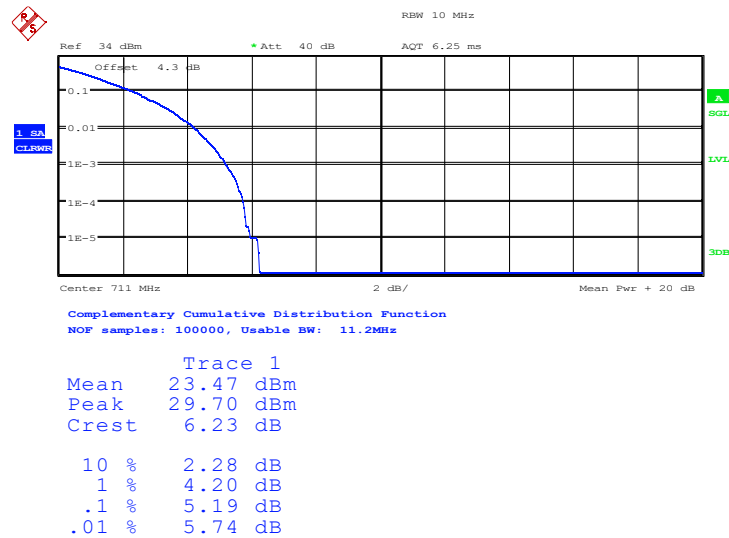
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Date: 9.MAY.2024 17:22:08

LTE band 12 , 10MHz Bandwidth,QPSK



Date: 9.MAY.2024 17:02:10

LTE Band 13, 5MHz

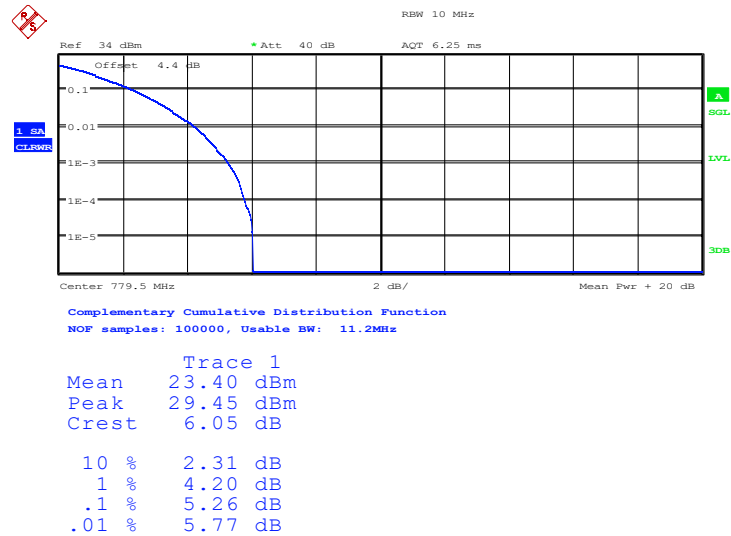
Frequency (MHz)	RB	PAPR (dB)
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		QPSK	16QAM
779.5	100%,0	5.26	5.90
782	100%,0	5.16	5.90
784.5	100%,0	5.13	5.80

LTE band 13 , 5MHz Bandwidth,QPSK

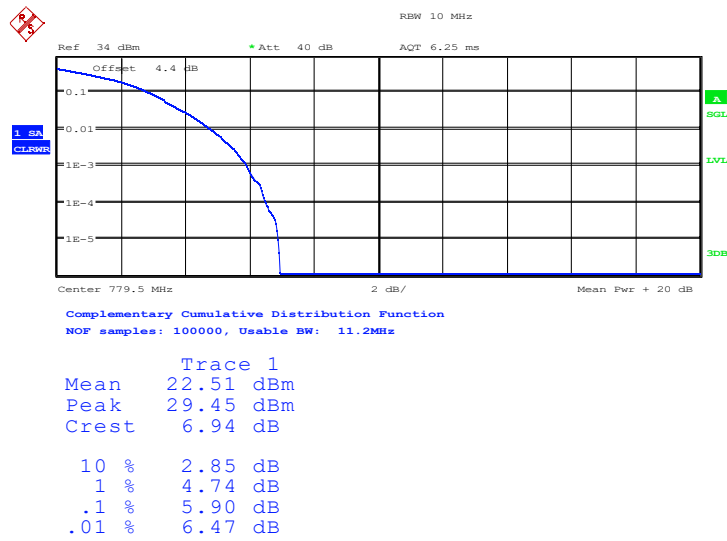


Date: 9.MAY.2024 17:22:37

LTE band 13 , 5MHz Bandwidth,16QAM

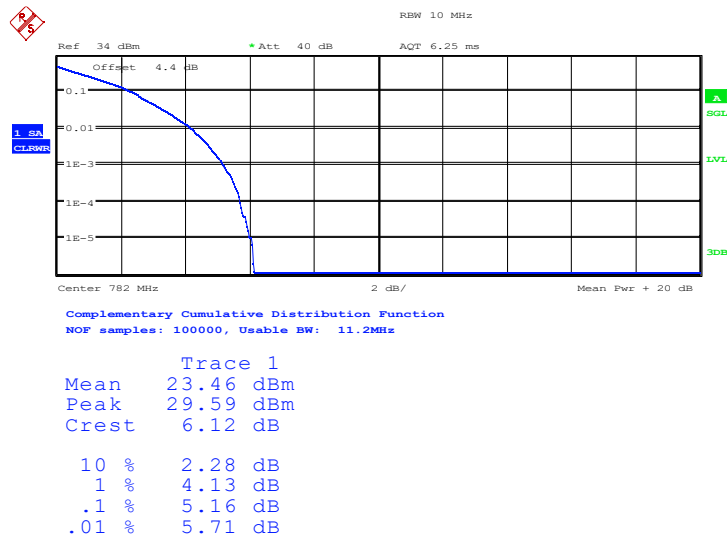
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Date: 9.MAY.2024 17:22:54

LTE band 13 , 5MHz Bandwidth,QPSK

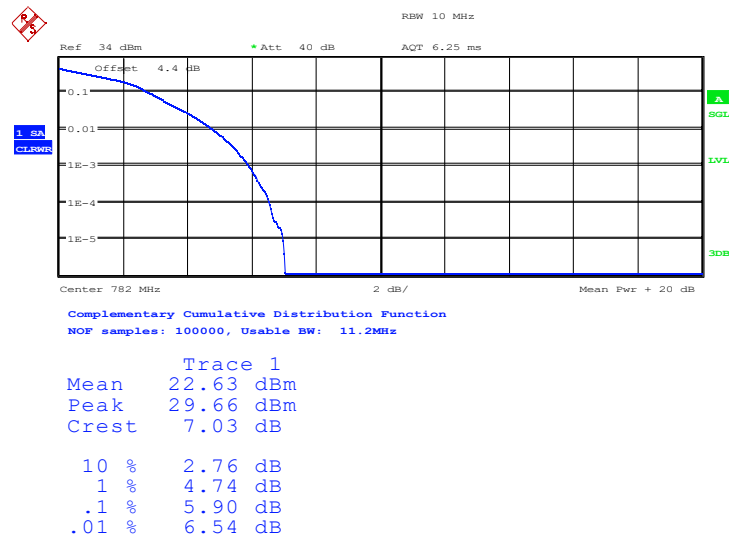


Date: 9.MAY.2024 17:29:15

LTE band 13 , 5MHz Bandwidth,16QAM

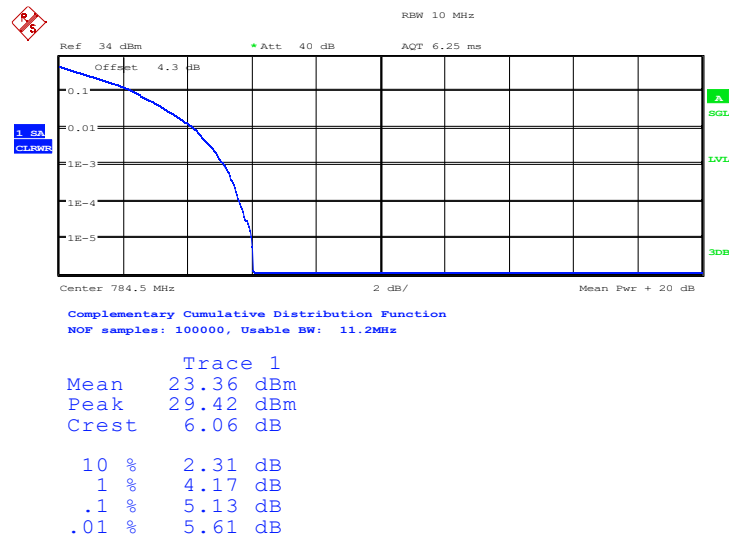
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Date: 9.MAY.2024 17:23:26

LTE band 13 , 5MHz Bandwidth,QPSK

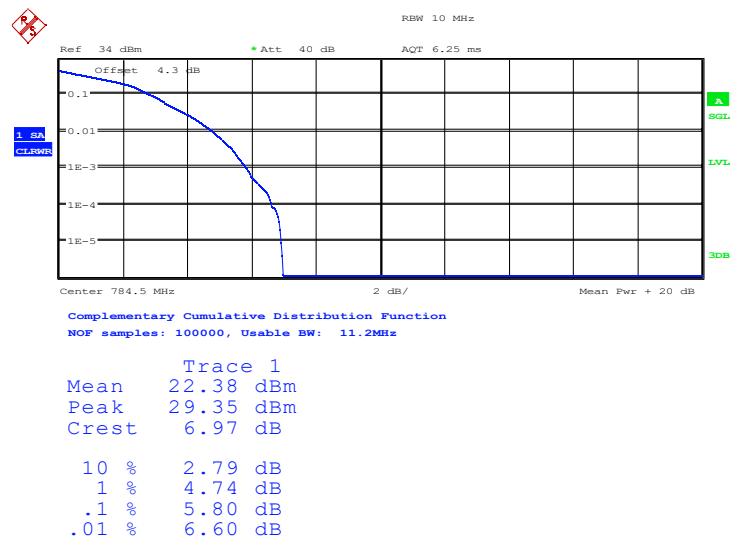


Date: 9.MAY.2024 17:23:43

LTE band 13 , 5MHz Bandwidth,16QAM

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Date: 9.MAY.2024 17:23:57

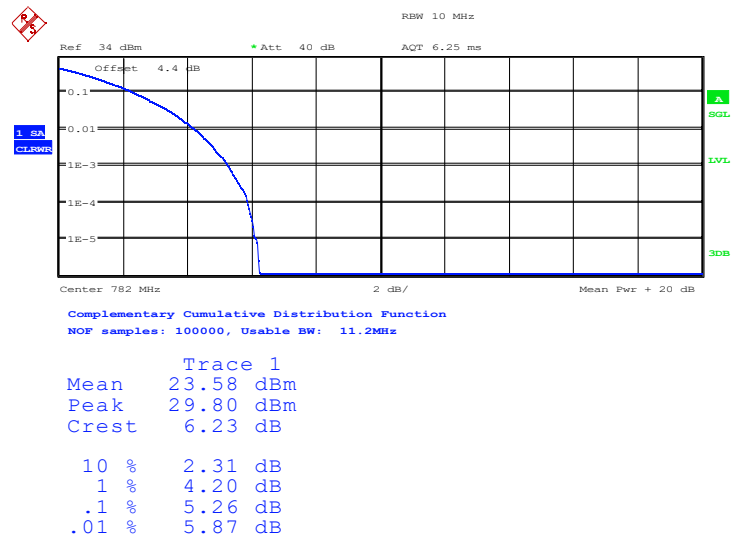
LTE Band 13, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
782	100%,0	5.26

LTE band 13 , 10MHz Bandwidth,QPSK

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Date: 9.MAY.2024 17:24:52

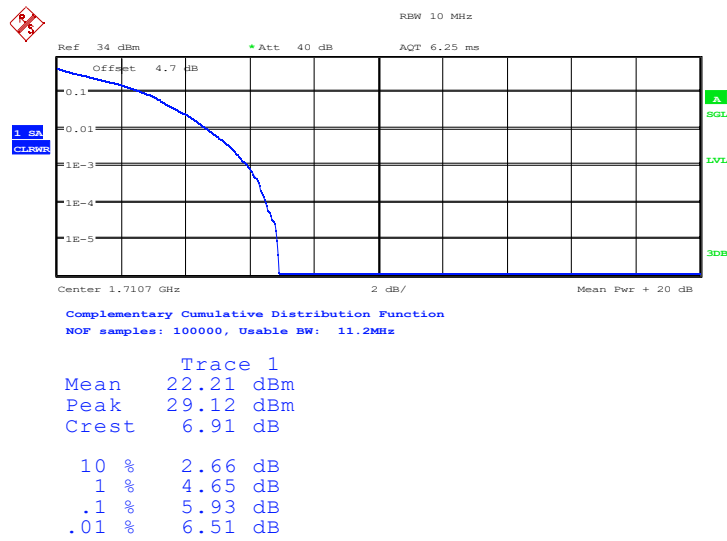
LTE Band 66, BW1_4MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1710.7	100%,0	5.93	6.51
1745	100%,0	5.71	6.41
1779.3	100%,0	5.67	6.47

LTE band 66 , 1.4MHz Bandwidth,QPSK

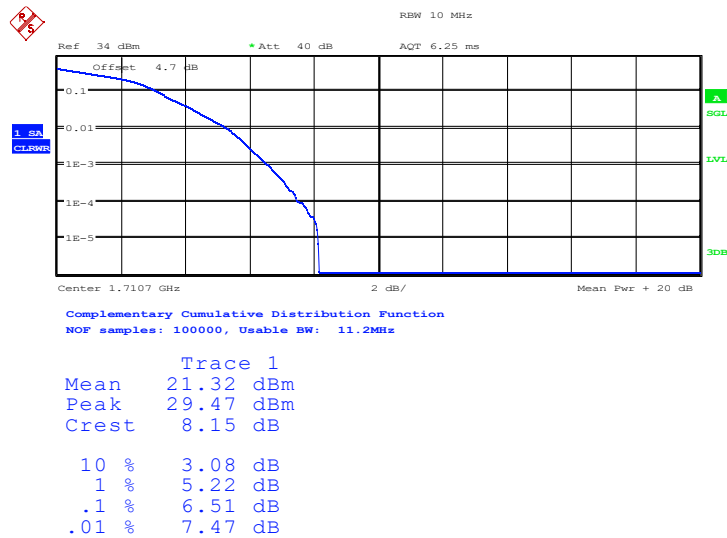
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Date: 9.MAY.2024 17:02:39

LTE band 66 , 1.4MHz Bandwidth,16QAM

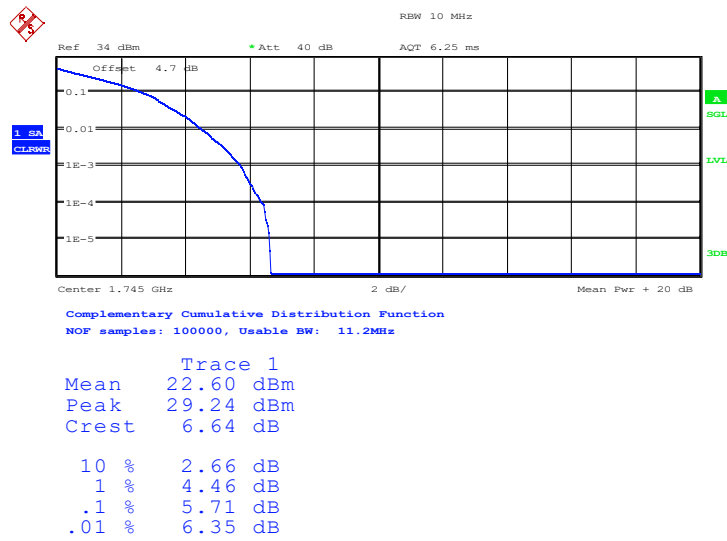


Date: 9.MAY.2024 17:02:55

LTE band 66 , 1.4MHz Bandwidth,QPSK

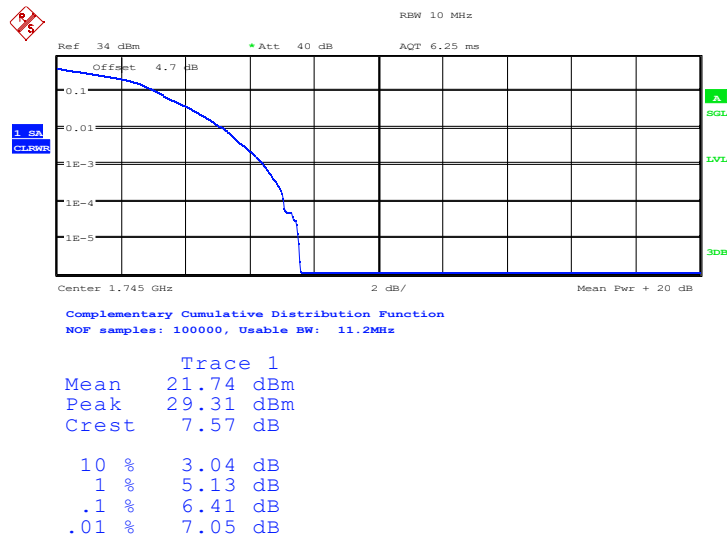
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Date: 9.MAY.2024 17:03:12

LTE band 66 , 1.4MHz Bandwidth,16QAM

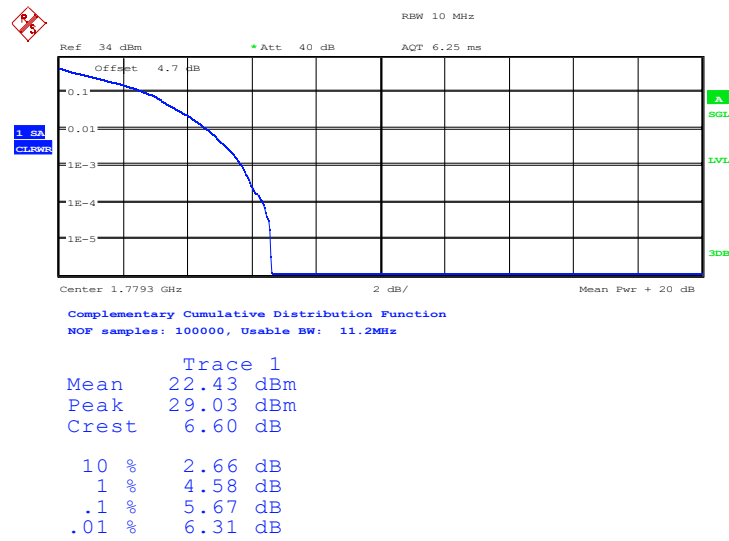


Date: 9.MAY.2024 17:03:25

LTE band 66 , 1.4MHz Bandwidth,QPSK

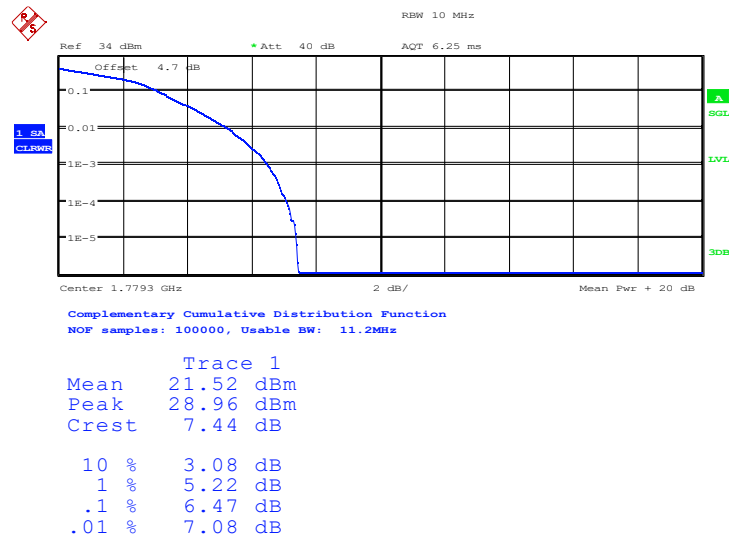
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Date: 9.MAY.2024 17:03:42

LTE band 66 , 1.4MHz Bandwidth,16QAM



Date: 9.MAY.2024 17:03:55

LTE Band 66, 3MHz

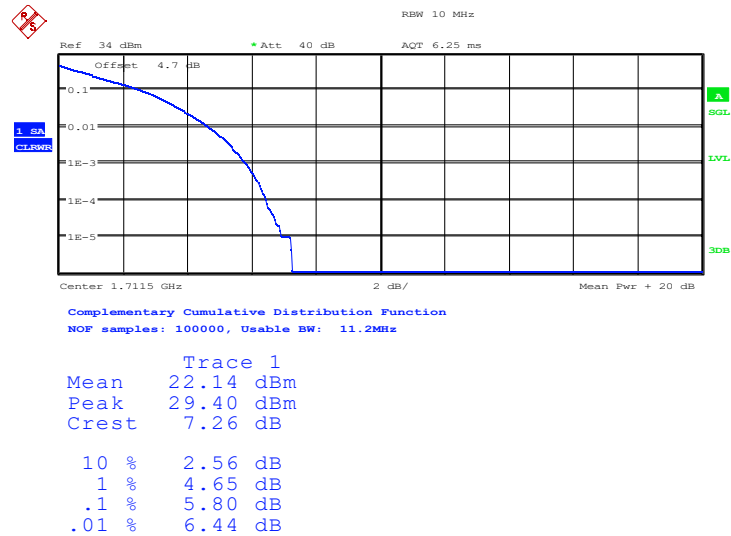
Frequency (MHz)	RB	PAPR (dB)
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		QPSK	16QAM
1711.5	100%,0	5.80	6.60
1745	100%,0	5.64	6.47
1778.5	100%,0	5.64	6.44

LTE band 66 , 3MHz Bandwidth,QPSK

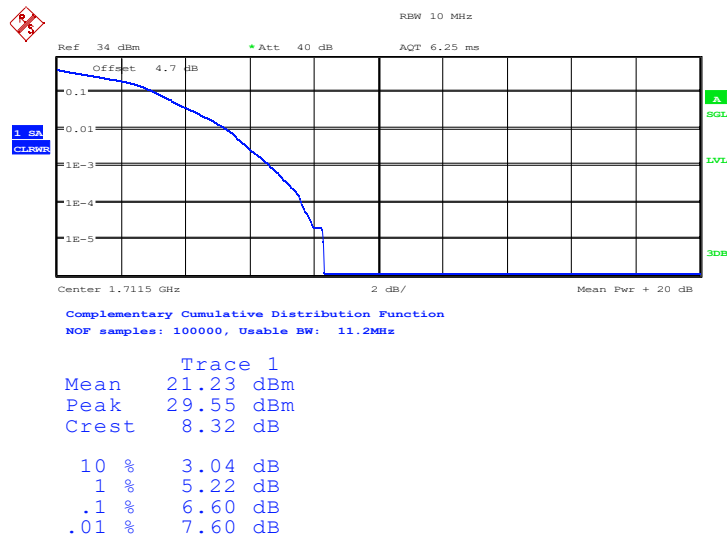


Date: 9.MAY.2024 17:04:20

LTE band 66 , 3MHz Bandwidth,16QAM

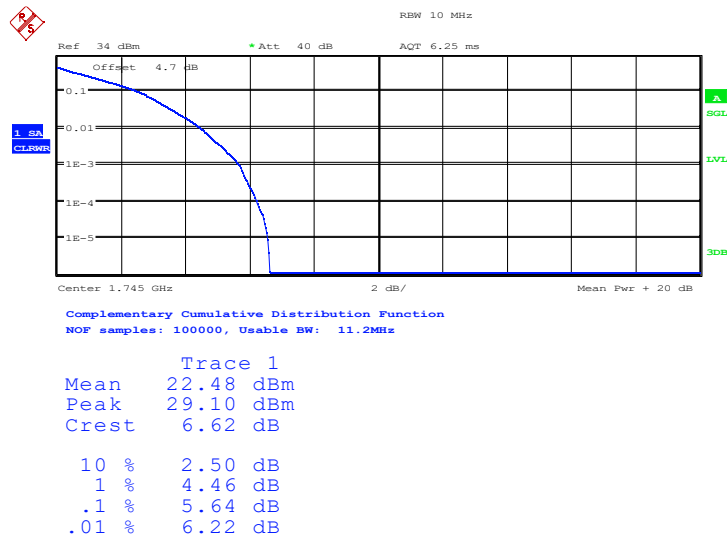
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Date: 9.MAY.2024 17:04:32

LTE band 66 , 3MHz Bandwidth,QPSK

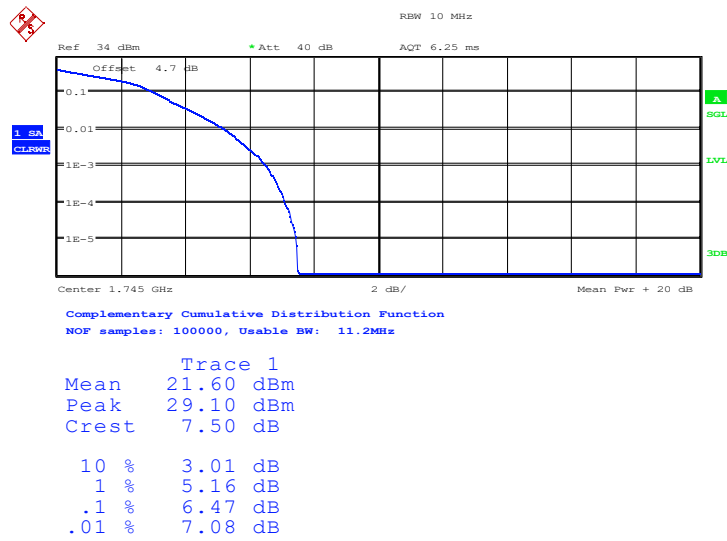


Date: 9.MAY.2024 17:04:52

LTE band 66 , 3MHz Bandwidth,16QAM

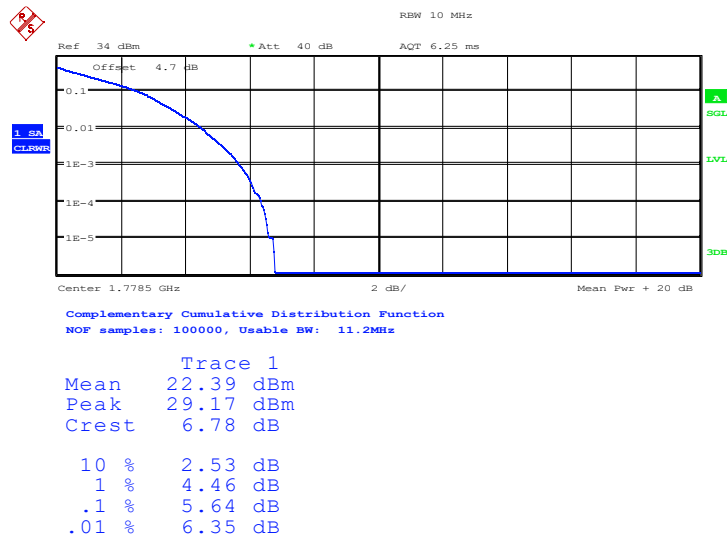
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Date: 9.MAY.2024 17:05:05

LTE band 66 , 3MHz Bandwidth,QPSK

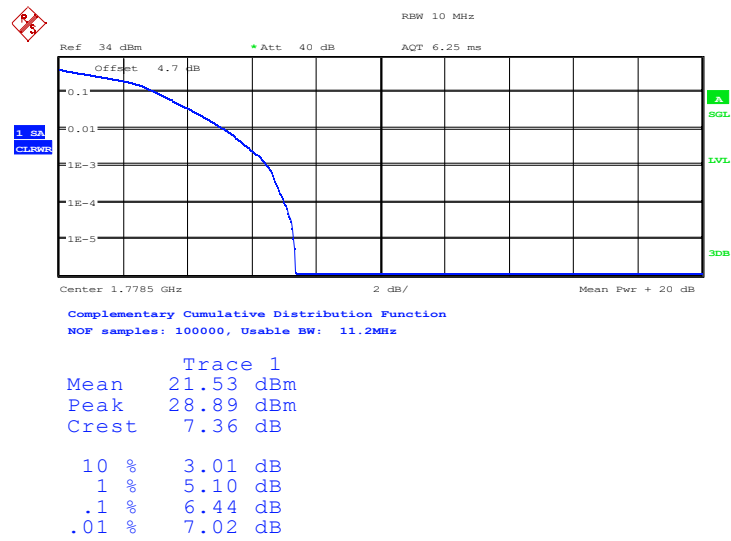


Date: 9.MAY.2024 17:05:23

LTE band 66 , 3MHz Bandwidth,16QAM

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Date: 9.MAY.2024 17:05:35

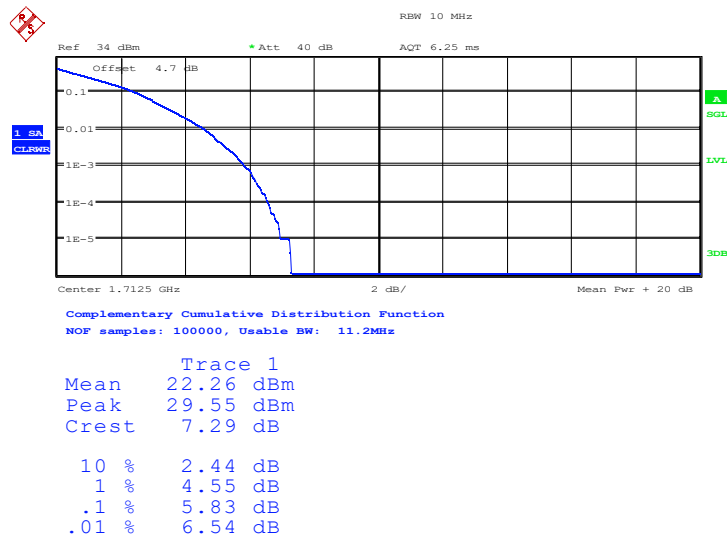
LTE Band 66, 5MHz

Frequency (MHz)	RB	PAPR (dB)	
		QPSK	16QAM
1712.5	100%,0	5.83	6.41
1745	100%,0	5.58	6.44
1777.5	100%,0	5.58	6.22

LTE band 66 , 5MHz Bandwidth,QPSK

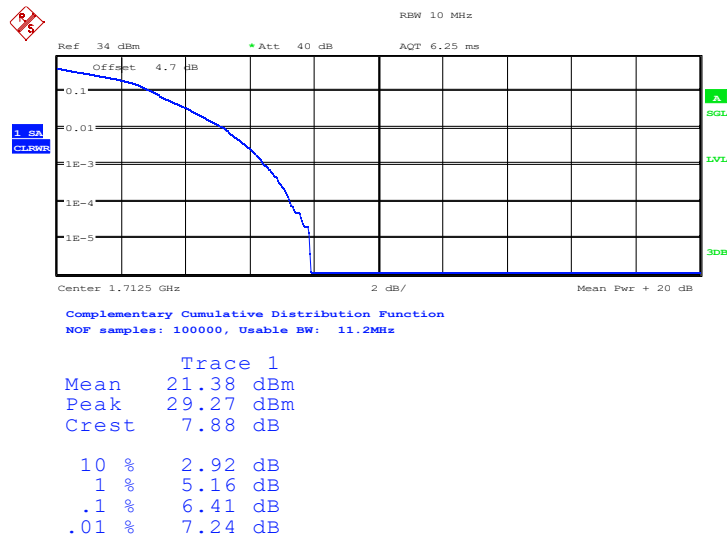
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Date: 9.MAY.2024 17:06:02

LTE band 66 , 5MHz Bandwidth,16QAM

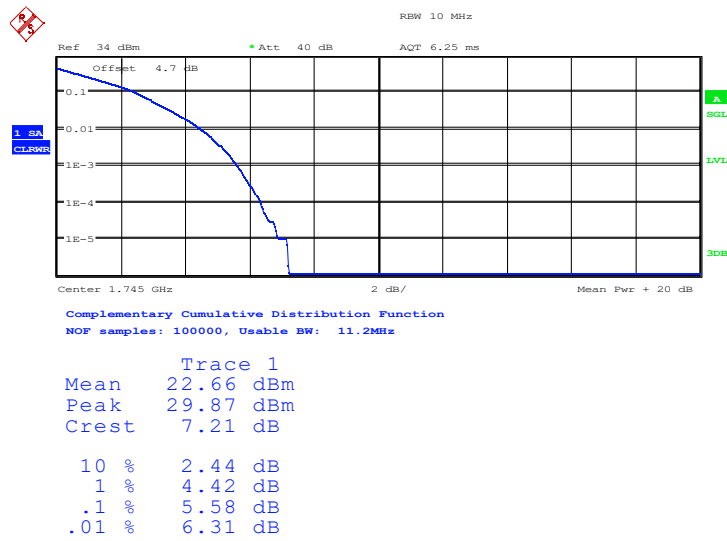


Date: 9.MAY.2024 17:06:16

LTE band 66 , 5MHz Bandwidth,QPSK

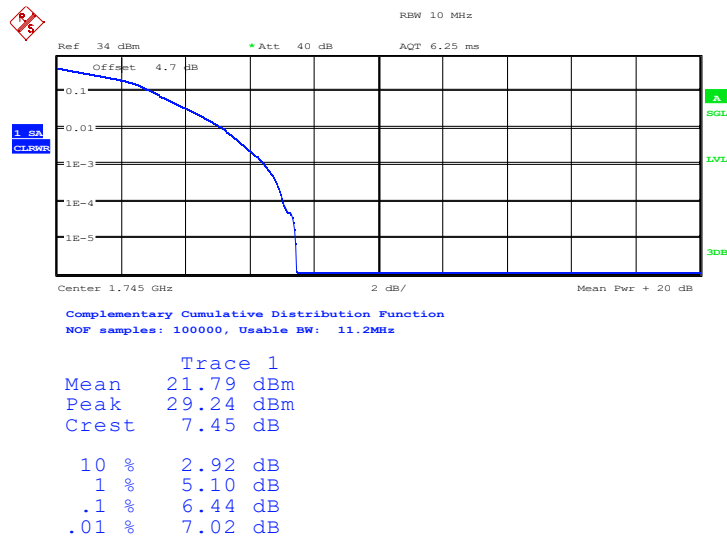
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Date: 9.MAY.2024 17:06:38

LTE band 66 , 5MHz Bandwidth,16QAM

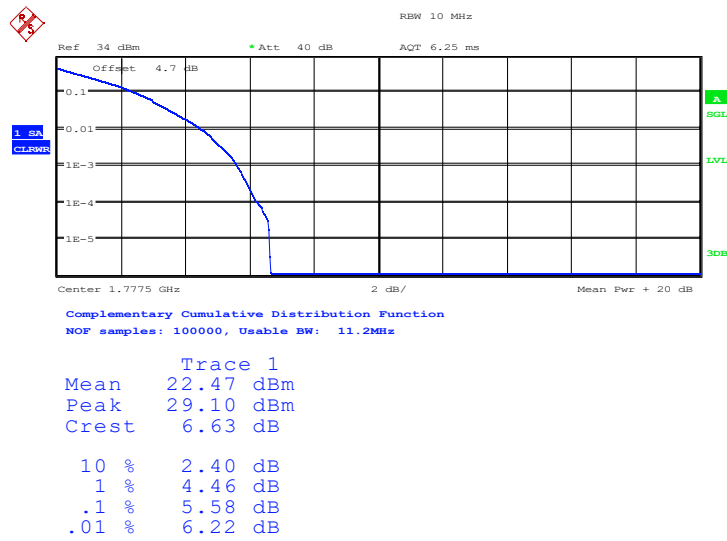


Date: 9.MAY.2024 17:06:59

LTE band 66 , 5MHz Bandwidth,QPSK

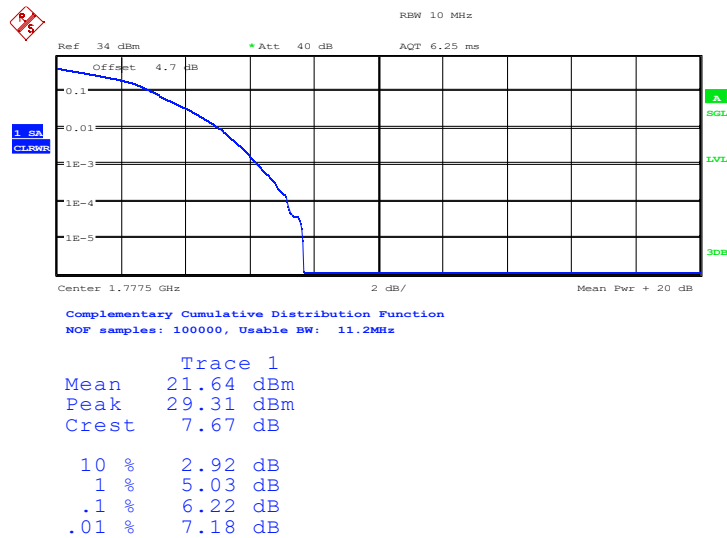
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Date: 9.MAY.2024 17:07:21

LTE band 66 , 5MHz Bandwidth,16QAM



Date: 9.MAY.2024 17:07:46

LTE Band 66, 10MHz

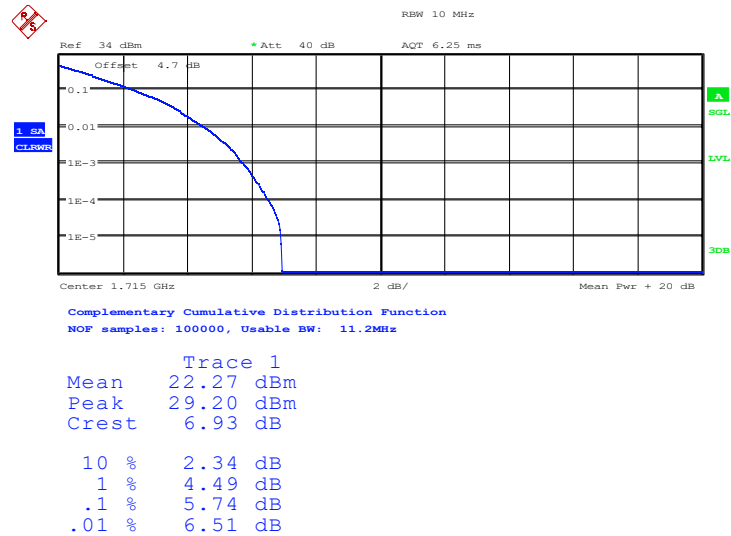
Frequency (MHz)	RB	PAPR (dB)
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		QPSK
1715	100%,0	5.74
1745	100%,0	5.48
1775	100%,0	5.51

LTE band 66 , 10MHz Bandwidth,QPSK

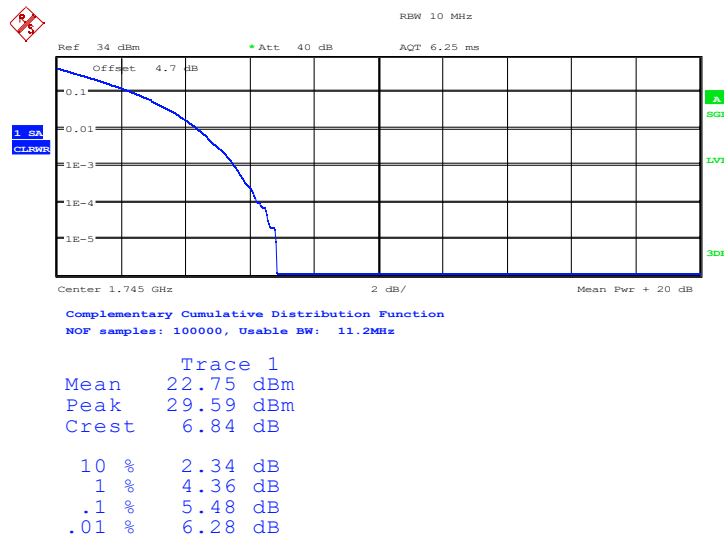


Date: 9.MAY.2024 17:08:12

LTE band 66 , 10MHz Bandwidth,QPSK

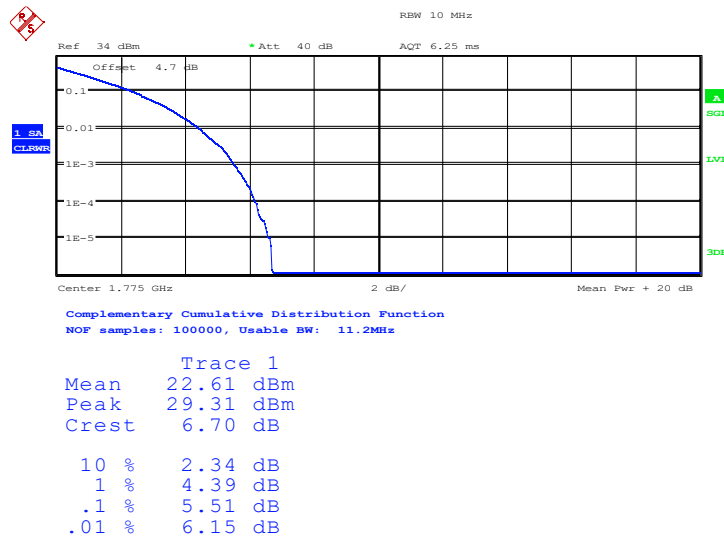
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Date: 9.MAY.2024 17:08:29

LTE band 66 , 10MHz Bandwidth,QPSK



Date: 9.MAY.2024 17:08:46

LTE Band 66, 15MHz

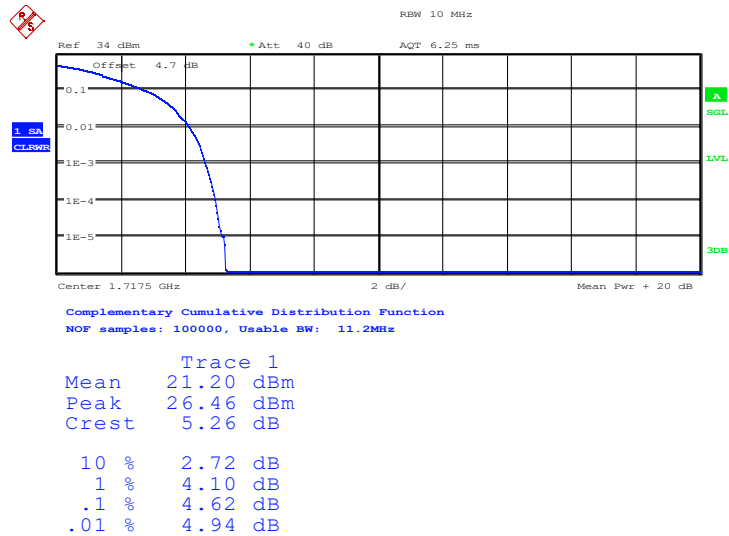
Frequency (MHz)	RB	PAPR (dB)
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		QPSK
1717.5	100%,0	4.62
1745	100%,0	4.49
1772.5	100%,0	4.55

LTE band 66 , 15MHz Bandwidth,QPSK

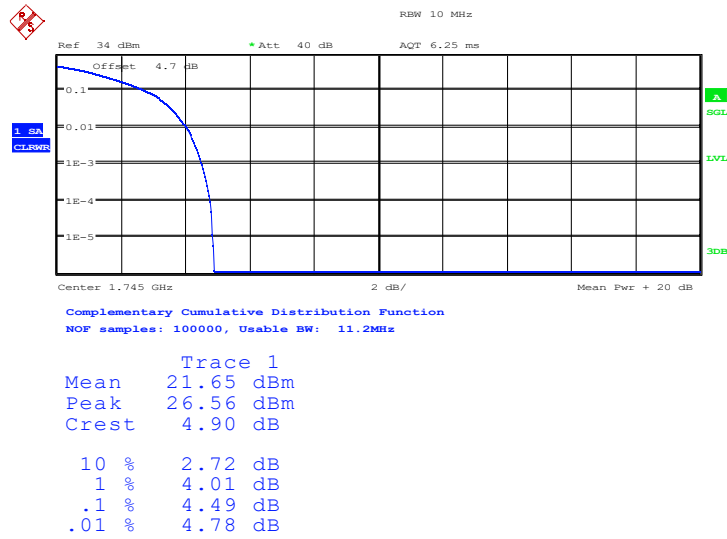


Date: 9.MAY.2024 17:09:20

LTE band 66 , 15MHz Bandwidth,QPSK

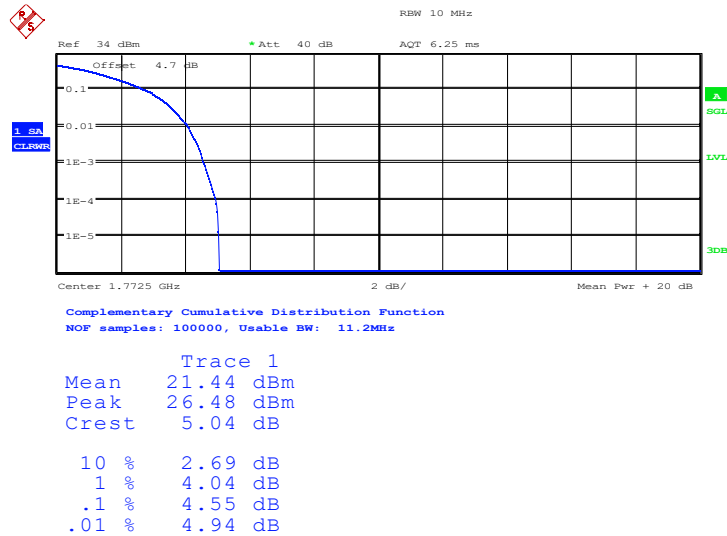
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Date: 9.MAY.2024 17:09:37

LTE band 66 , 15MHz Bandwidth,QPSK



Date: 9.MAY.2024 17:09:54

LTE Band 66, 20MHz

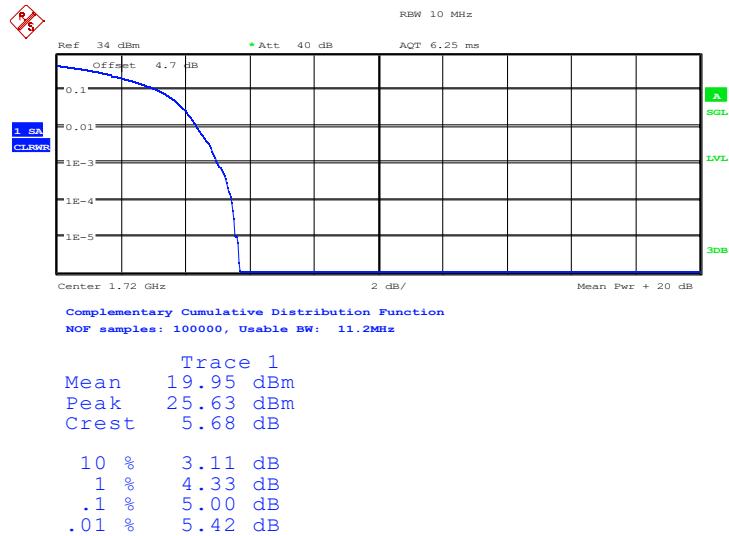
Frequency (MHz)	RB	PAPR (dB)
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		QPSK
1720	100%,0	5.00
1745	100%,0	5.03
1770	100%,0	5.10

LTE band 66 , 20MHz Bandwidth,QPSK

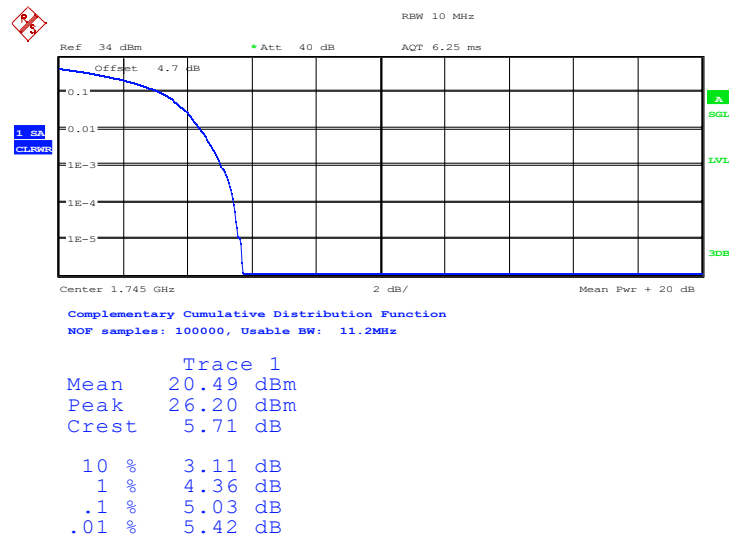


Date: 9.MAY.2024 17:10:24

LTE band 66 , 20MHz Bandwidth,QPSK

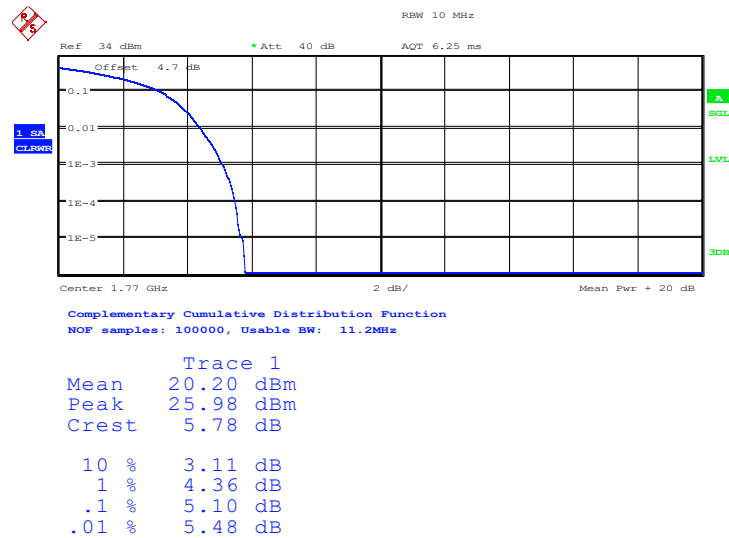
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Date: 9.MAY.2024 17:10:41

LTE band 66 , 20MHz Bandwidth,QPSK



Date: 9.MAY.2024 17:11:06

LTE Band 71, 5MHz

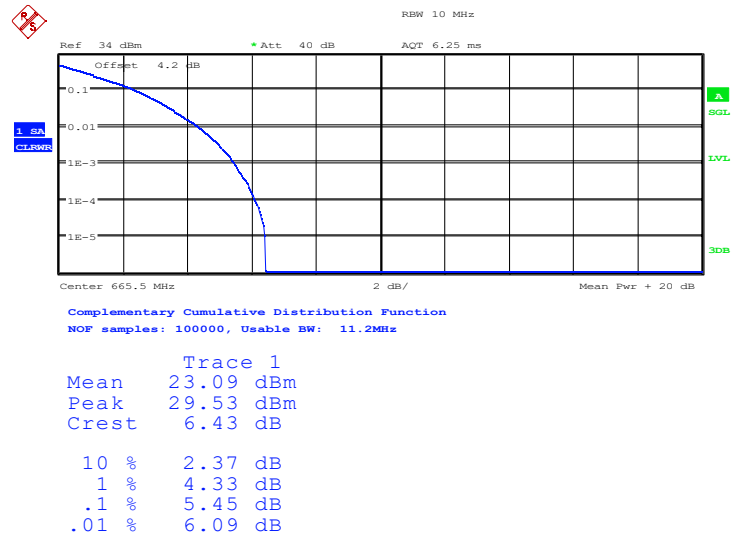
Frequency (MHz)	RB	PAPR (dB)
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		QPSK	16QAM
665.5	100%,0	5.45	6.09
680.5	100%,0	5.58	6.22
695.5	100%,0	5.22	5.93

LTE band 71 , 5MHz Bandwidth,QPSK

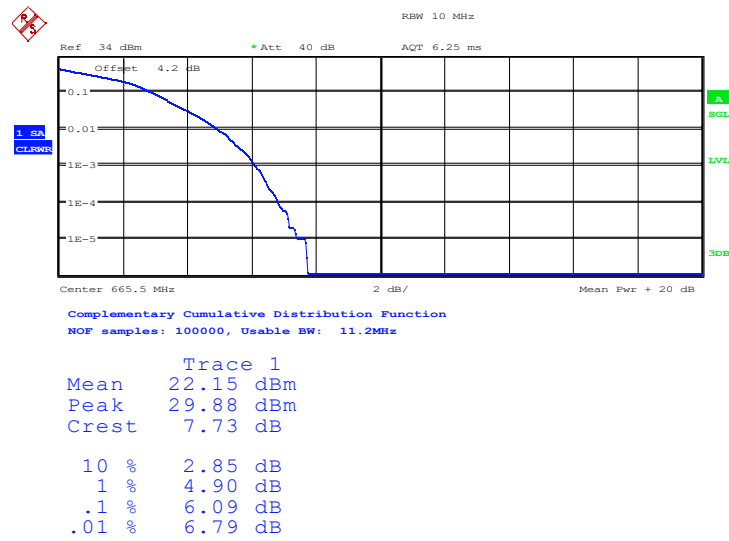


Date: 9.MAY.2024 17:11:36

LTE band 71 , 5MHz Bandwidth,16QAM

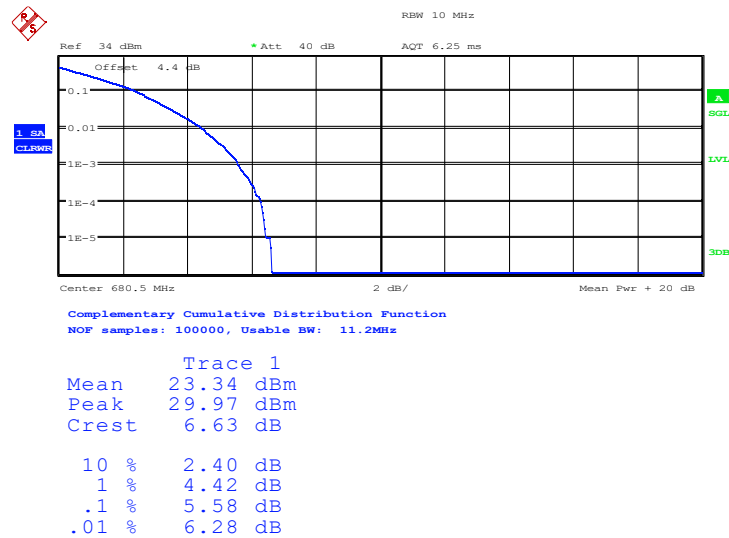
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Date: 9.MAY.2024 17:11:49

LTE band 71 , 5MHz Bandwidth,QPSK

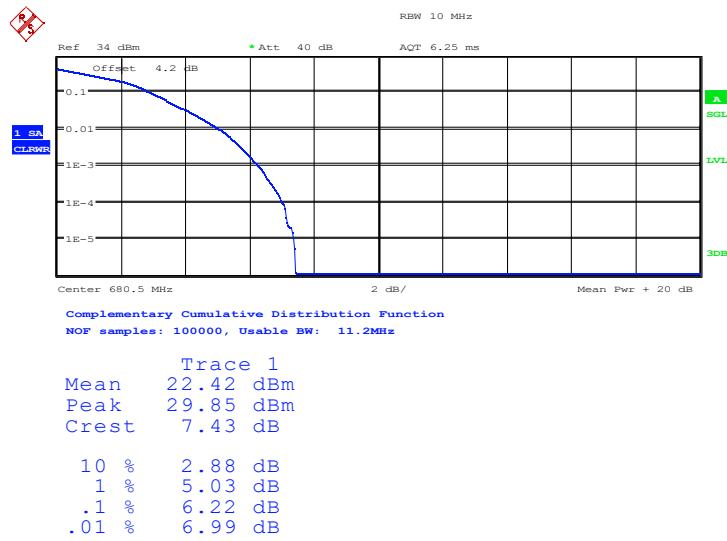


Date: 9.MAY.2024 17:54:26

LTE band 71 , 5MHz Bandwidth,16QAM

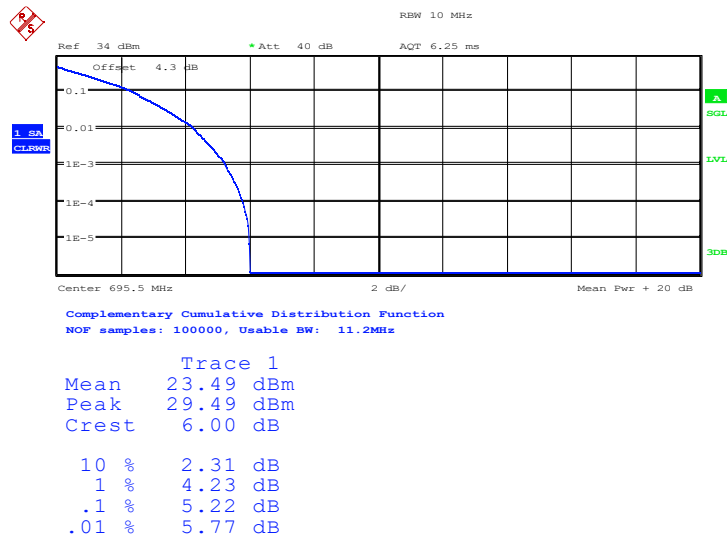
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Date: 9.MAY.2024 11:36:44

LTE band 71 , 5MHz Bandwidth,QPSK

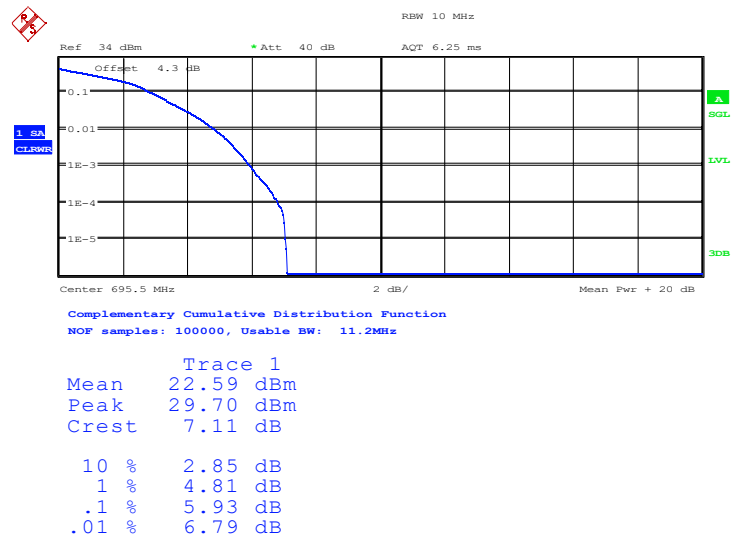


Date: 9.MAY.2024 17:12:53

LTE band 71 , 5MHz Bandwidth,16QAM

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Date: 9.MAY.2024 17:13:14

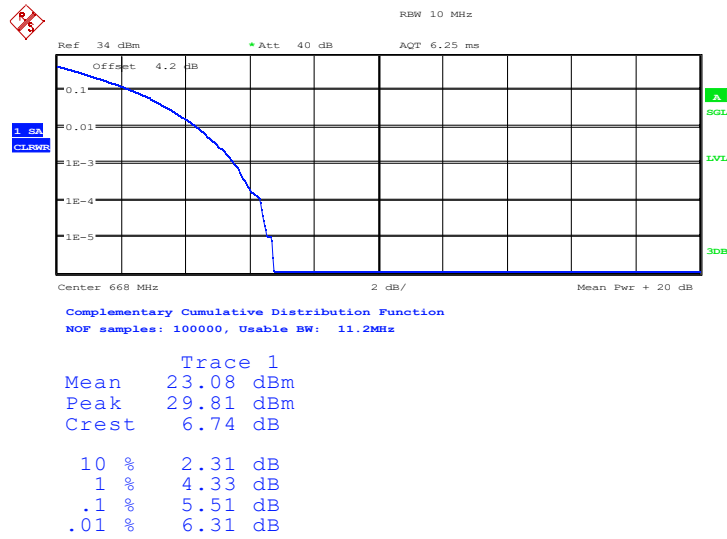
LTE Band 71, 10MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
668	100%,0	5.51
680.5	100%,0	5.61
693	100%,0	5.35

LTE band 71 , 10MHz Bandwidth,QPSK

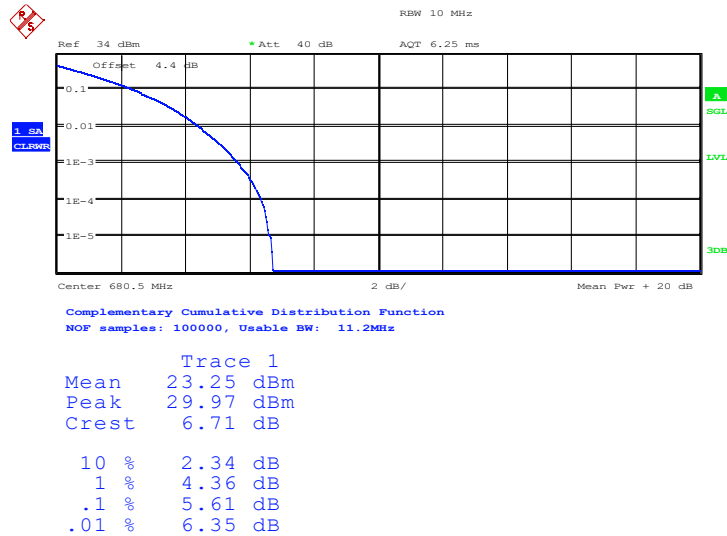
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Date: 9.MAY.2024 17:25:58

LTE band 71 , 10MHz Bandwidth,QPSK

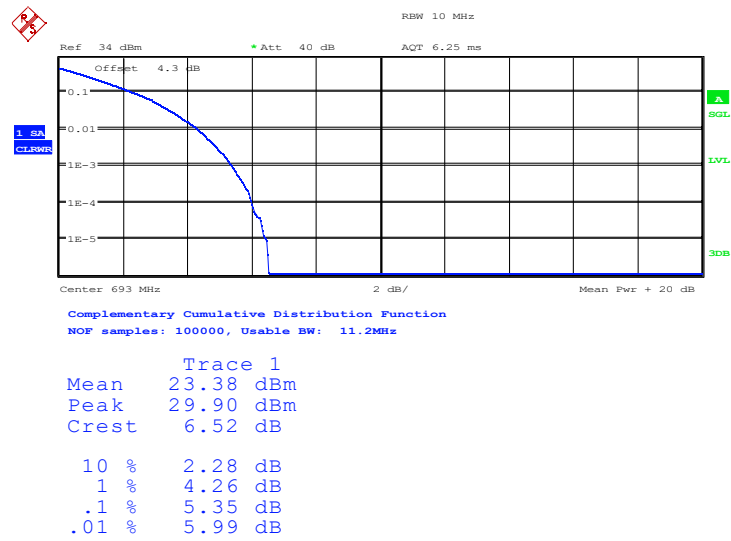


Date: 9.MAY.2024 17:55:46

LTE band 71 , 10MHz Bandwidth,QPSK

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Date: 9.MAY.2024 17:26:39

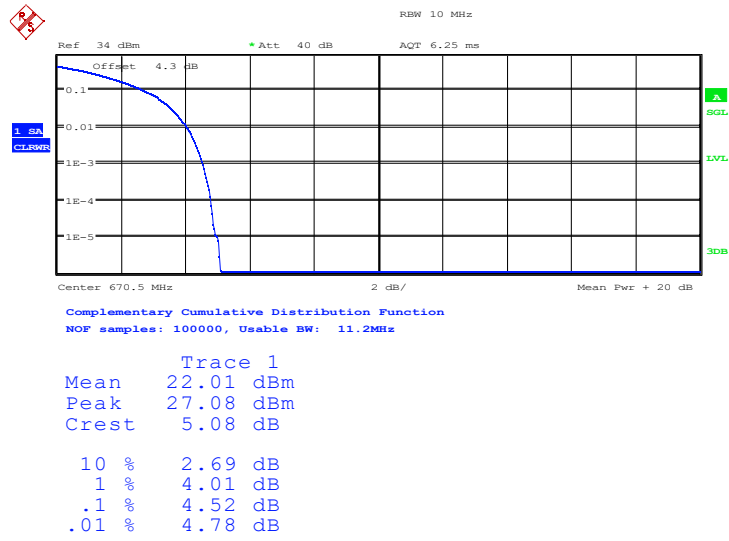
LTE Band 71, 15MHz

Frequency (MHz)	RB	PAPR (dB)
		QPSK
670.5	100%,0	4.52
680.5	100%,0	4.49
690.5	100%,0	4.42

LTE band 71 , 15MHz Bandwidth,QPSK

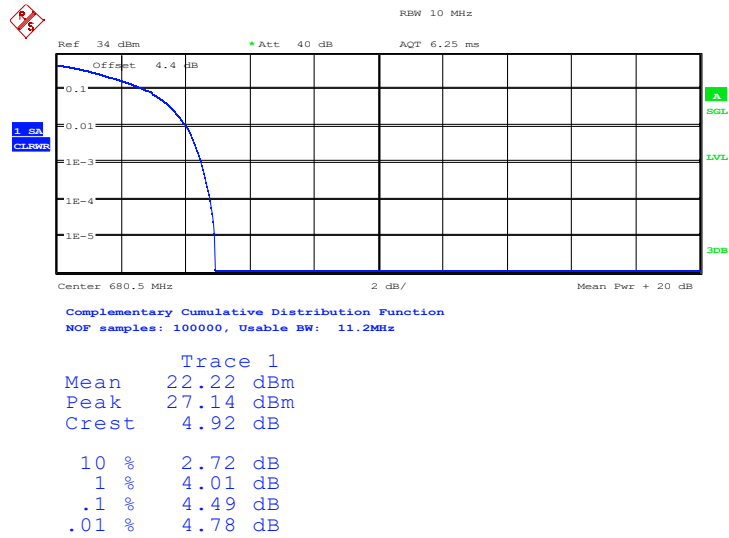
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Date: 9.MAY.2024 17:14:45

LTE band 71 , 15MHz Bandwidth,QPSK

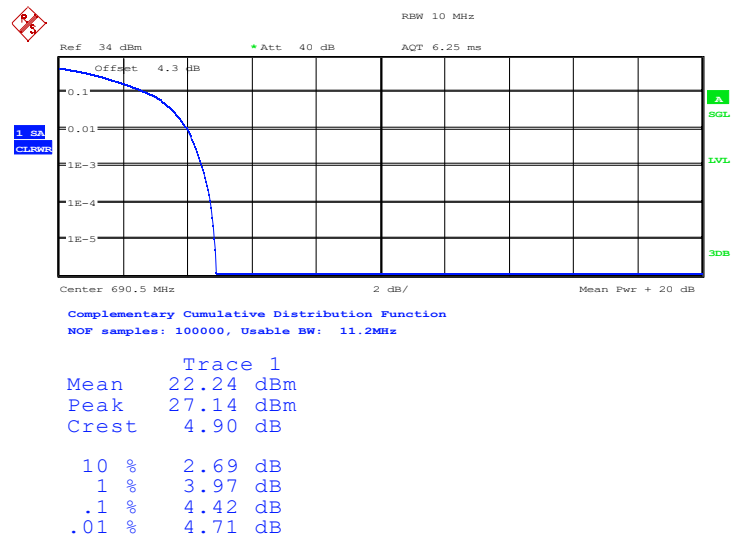


Date: 9.MAY.2024 17:15:02

LTE band 71 , 15MHz Bandwidth,QPSK

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Date: 9.MAY.2024 17:15:19

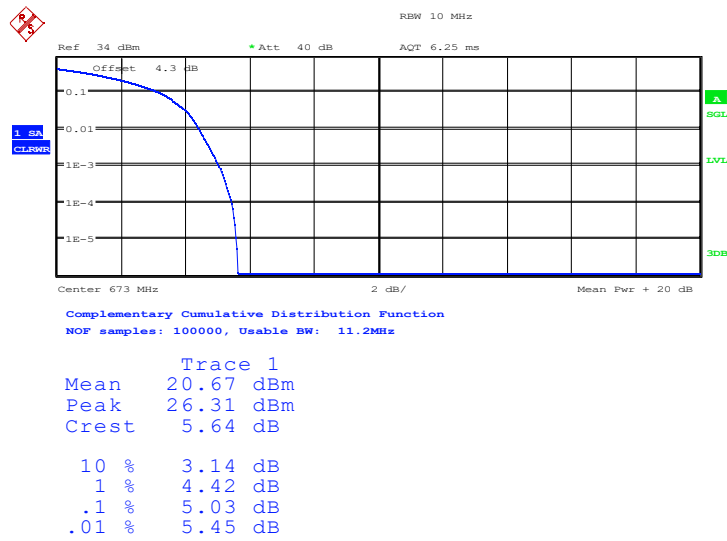
LTE Band 71, 20MHz

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

LTE band 71 , 20MHz Bandwidth,QPSK

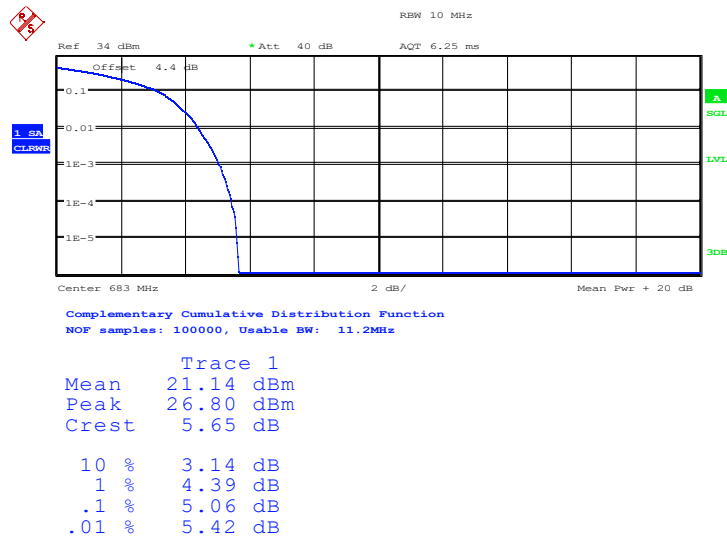
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Date: 9.MAY.2024 17:15:44

LTE band 71 , 20MHz Bandwidth,QPSK

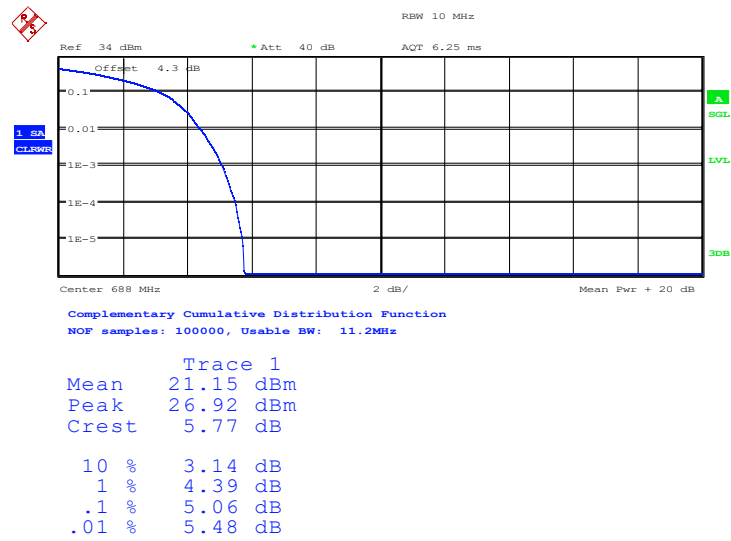


Date: 9.MAY.2024 17:16:01

LTE band 71 , 20MHz Bandwidth,QPSK

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Date: 9.MAY.2024 17:16:18

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ANNEX A EUT Photos

See the document” 24B02W000021-External Photos”.

See the document” 24B02W000021-Internal Photos ”.

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ANNEX B Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

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

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