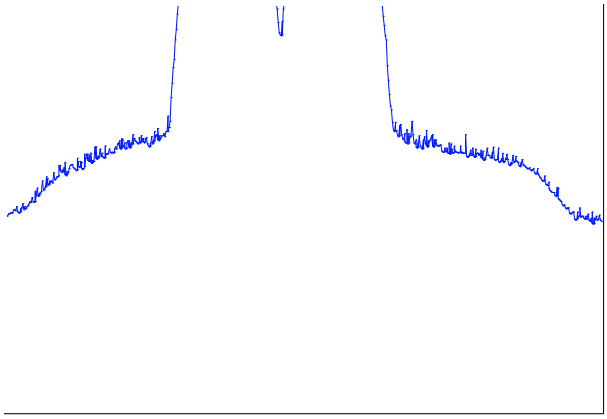
LTE CA band 7C,20MHz+20MHz(99%)

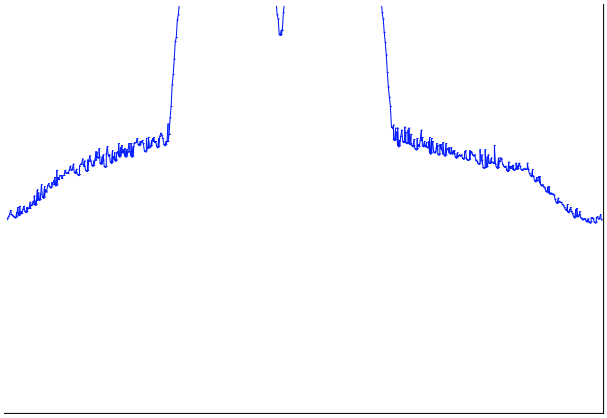
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2535	37.885	37.885

LTE CA band 7C , 20MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:33:29

LTE CA band 7C , 20MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:33:52

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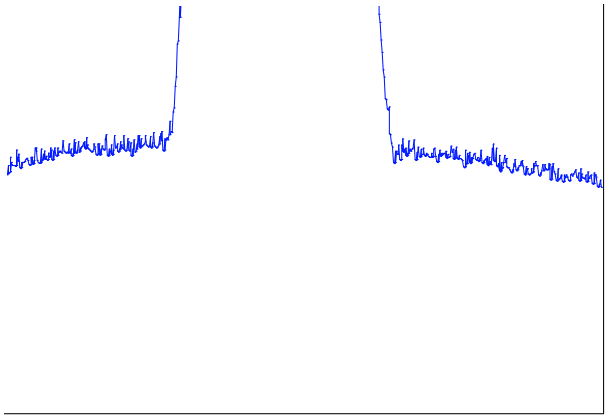
LTE CA band 41C,5MHz+20MHz(99%)

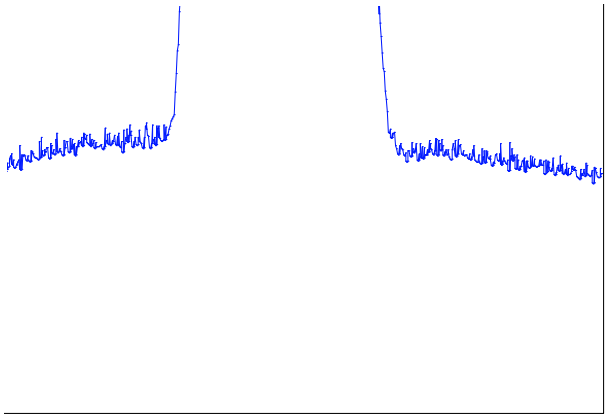
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	23.197	23.197

LTE CA band 41C , 5MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:34:54

LTE CA band 41C , 5MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:35:35

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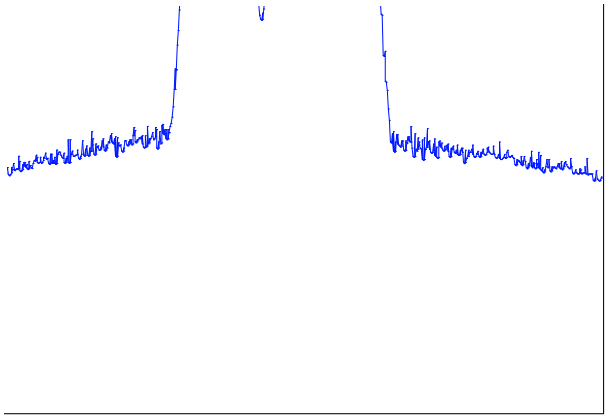
LTE CA band 41C,10MHz+15MHz(99%)

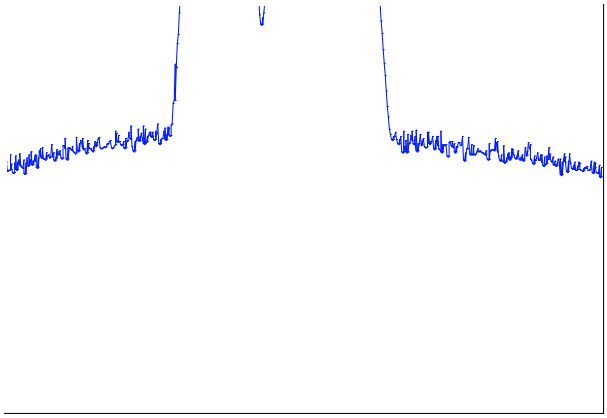
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	23.438	23.317

LTE CA band 41C, 10MHz+15MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:36:37

LTE CA band 41C, 10MHz+15MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:37:00

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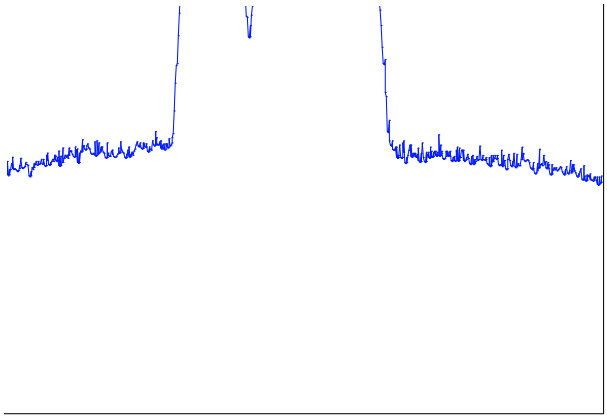
LTE CA band 41C,10MHz+20MHz(99%)

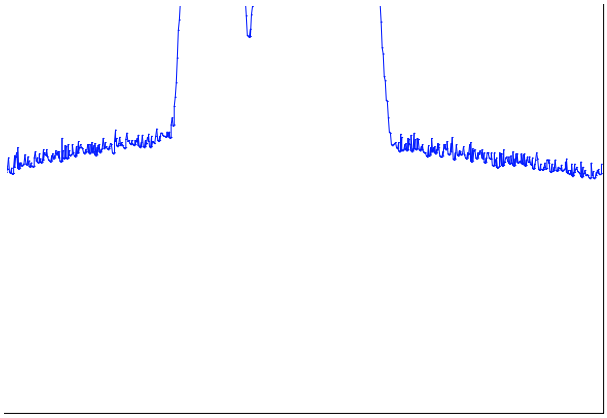
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	27.981	27.981

LTE CA band 41C, 10MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:38:01

LTE CA band 41C, 10MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:38:24

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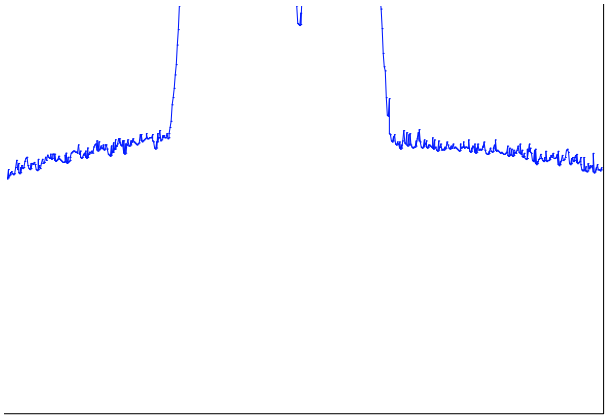
LTE CA band 41C,15MHz+10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	23.438	23.317

LTE CA band 41C, 15MHz+10MHz Bandwidth,QPSK (99% BW)



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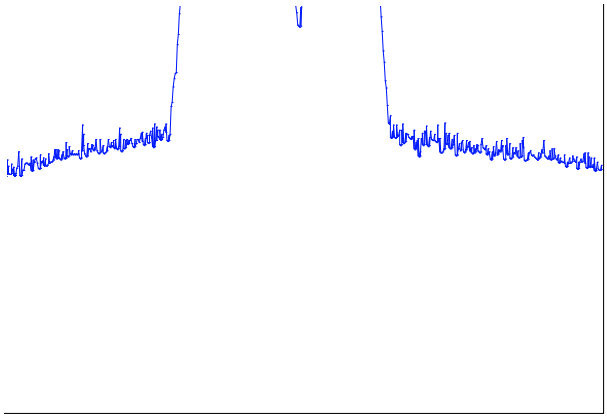
LTE CA band 41C, 15MHz+10MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:39:50

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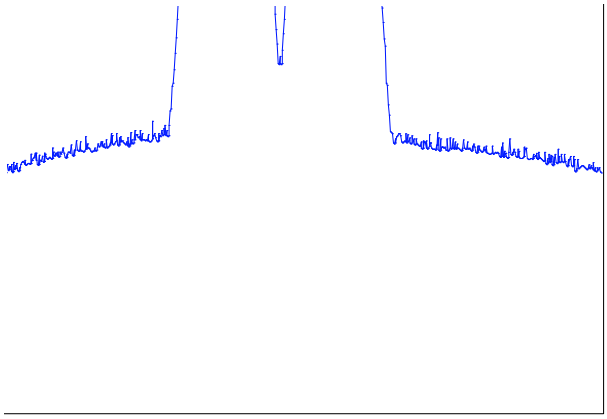
LTE CA band 41C,15MHz+15MHz(99%)

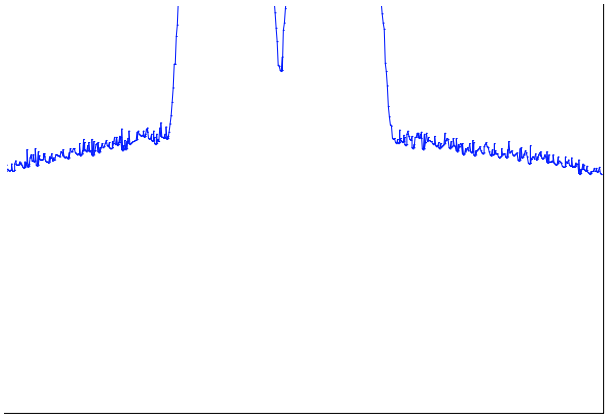
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	28.558	28.558

LTE CA band 41C, 15MHz+15MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:40:50

LTE CA band 41C, 15MHz+15MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:41:14

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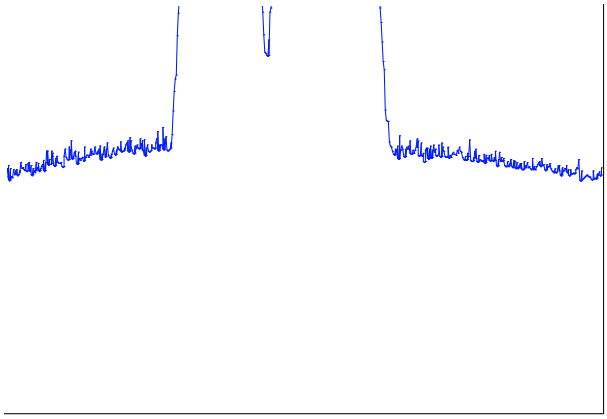
LTE CA band 41C,15MHz+20MHz(99%)

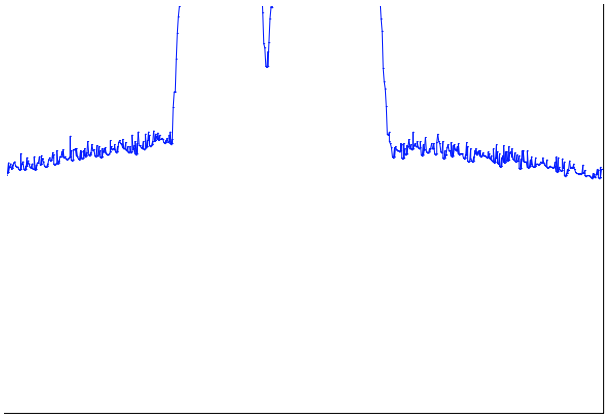
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	32.812	32.981

LTE CA band 41C, 15MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:42:14

LTE CA band 41C, 15MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:42:38

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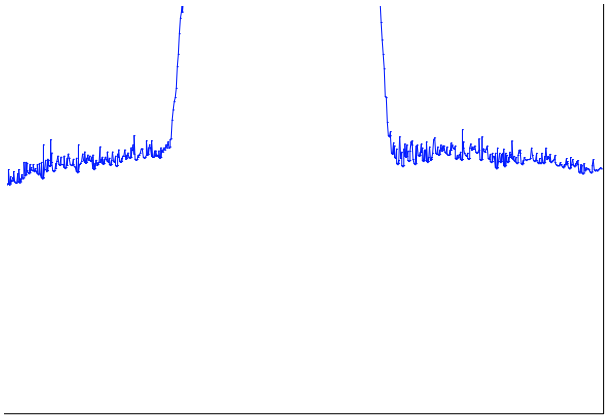
LTE CA band 41C,20MHz+5MHz(99%)

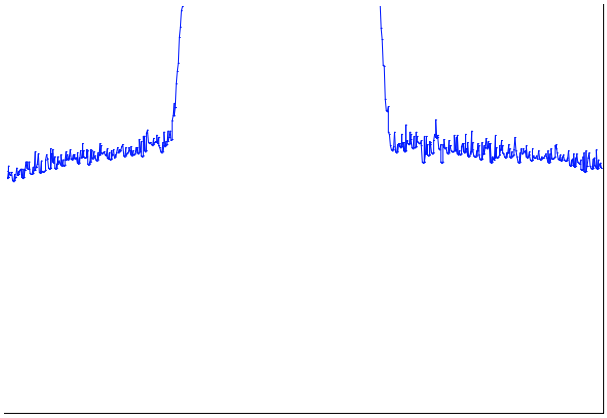
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	23.077	23.077

LTE CA band 41C, 20MHz+5MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:43:39

LTE CA band 41C, 20MHz+5MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:44:03

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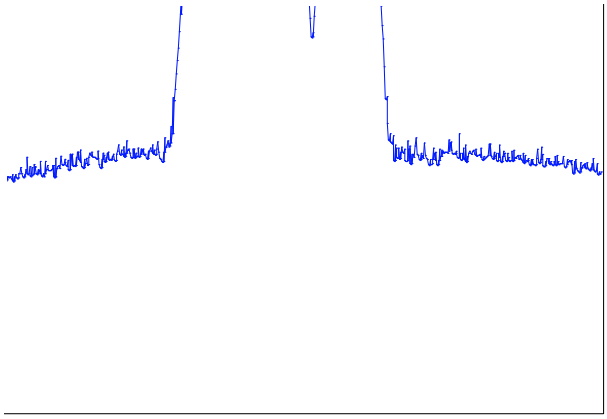
LTE CA band 41C,20MHz+10MHz(99%)

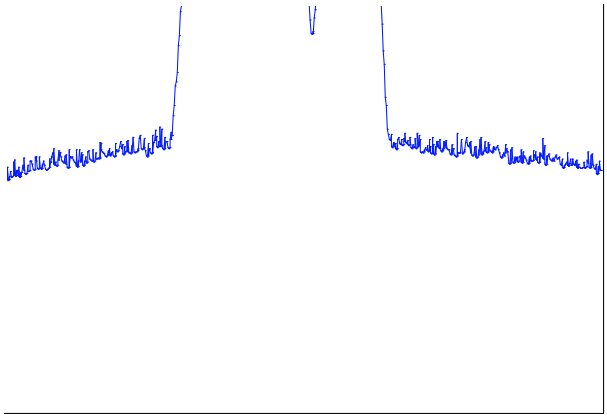
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	27.981	27.981

LTE CA band 41C, 20MHz+10MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:45:03

LTE CA band 41C, 20MHz+10MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:45:27

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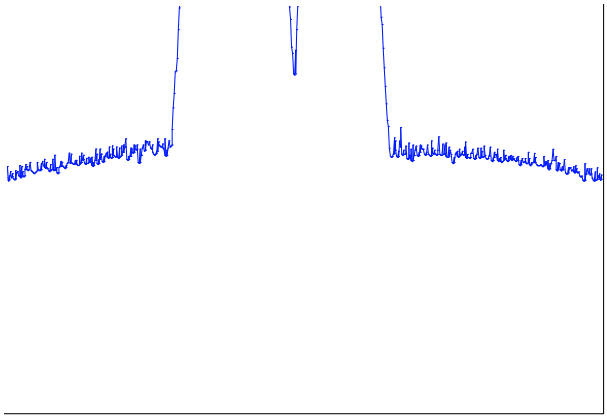
LTE CA band 41C,20MHz+15MHz(99%)

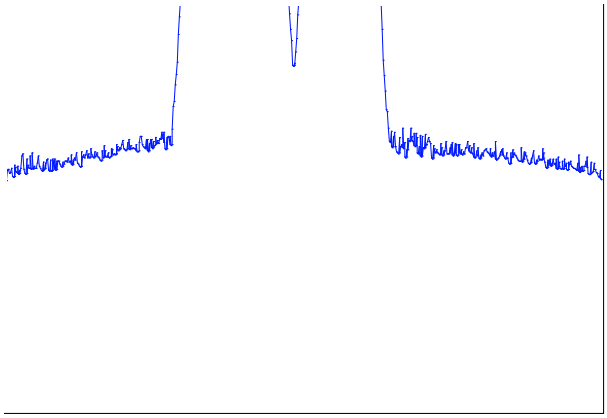
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	32.812	32.812

LTE CA band 41C, 20MHz+15MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:46:27

LTE CA band 41C, 20MHz+15MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:46:51

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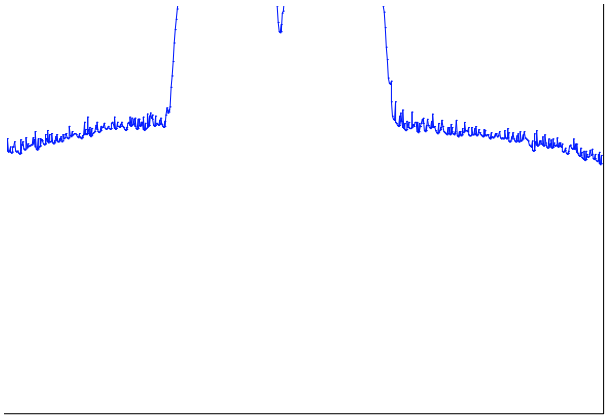
LTE CA band 41C,20MHz+20MHz(99%)

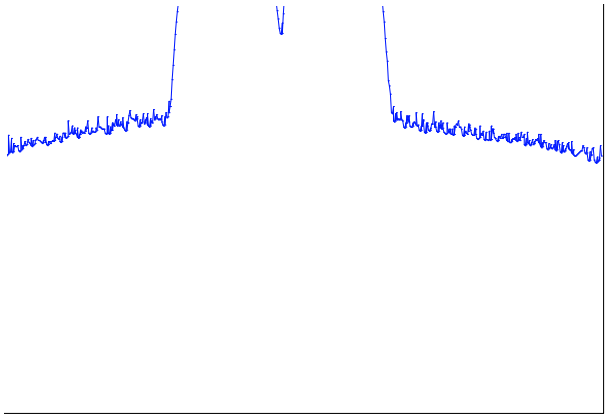
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
2593	38.269	37.885

LTE CA band 41C, 20MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:47:51

LTE CA band 41C, 20MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:48:15

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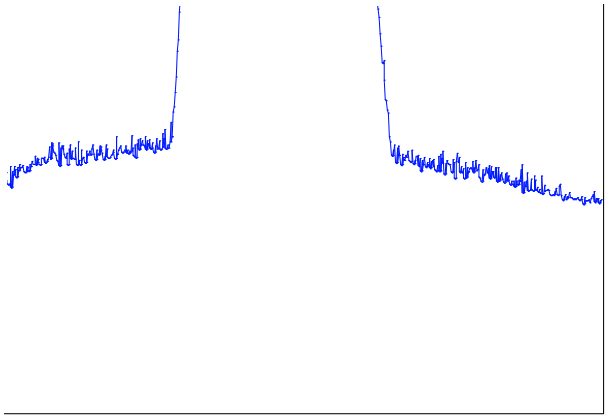
LTE CA band 48C,5MHz+20MHz(99%)

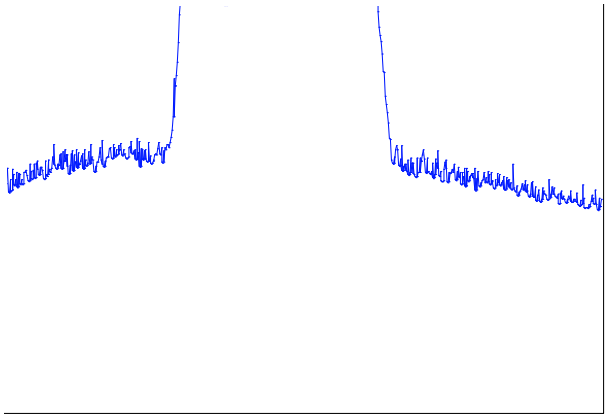
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
3625	23.077	23.077

LTE CA band 48C, 5MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:49:19

LTE CA band 48C, 5MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:49:43

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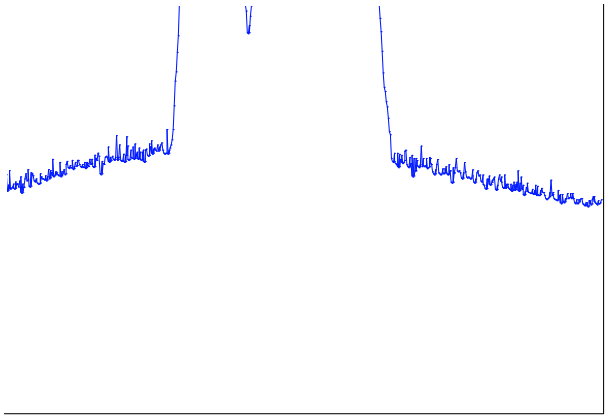
LTE CA band 48C,10MHz+20MHz(99%)

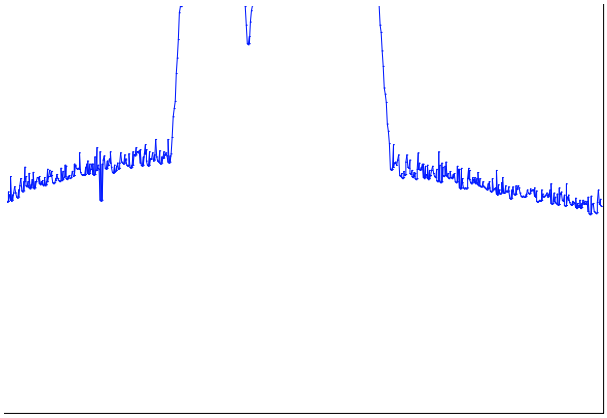
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
3625	27.981	27.981

LTE CA band 48C, 10MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:50:41

LTE CA band 48C, 10MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:51:05

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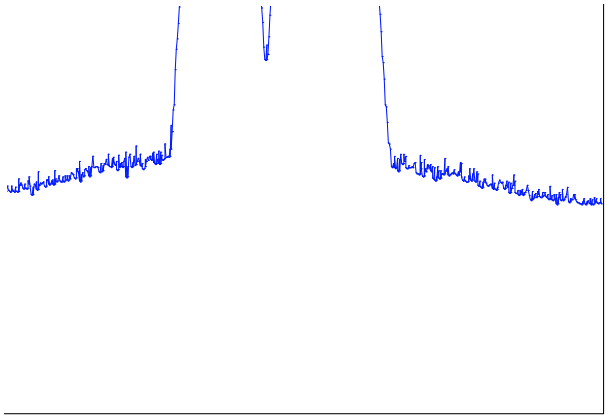
LTE CA band 48C,15MHz+20MHz(99%)

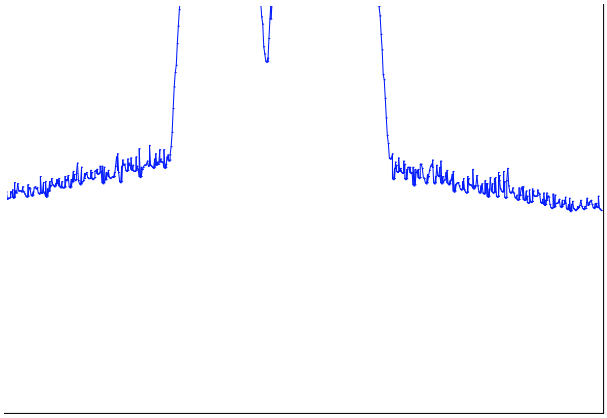
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
3625	32.644	32.644

LTE CA band 48C, 15MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:52:04

LTE CA band 48C, 15MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:52:27

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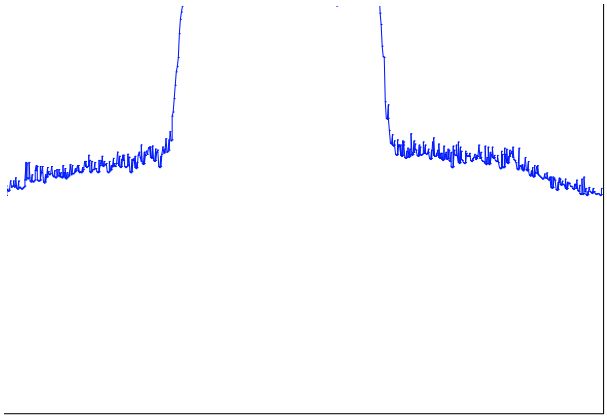
LTE CA band 48C,20MHz+5MHz(99%)

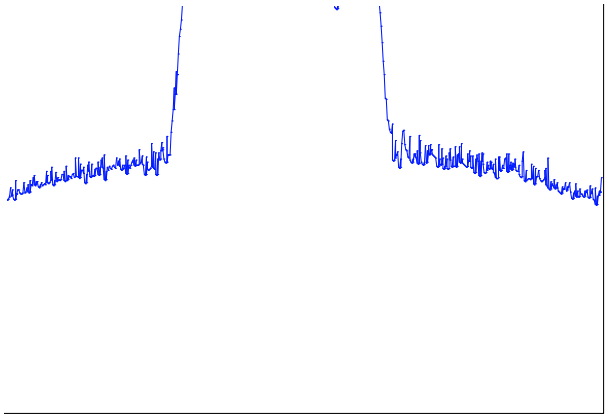
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
3625	23.077	23.077

LTE CA band 48C, 20MHz+5MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:53:29

LTE CA band 48C, 20MHz+5MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:53:52

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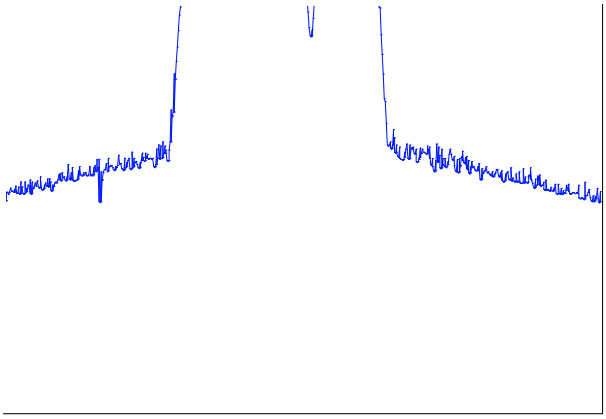
LTE CA band 48C,20MHz+10MHz(99%)

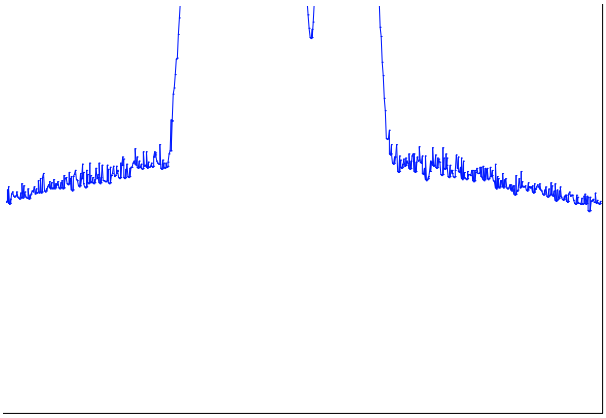
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
3625	27.981	27.981

LTE CA band 48C, 20MHz+10MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:55:17

LTE CA band 48C, 20MHz+10MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:55:41

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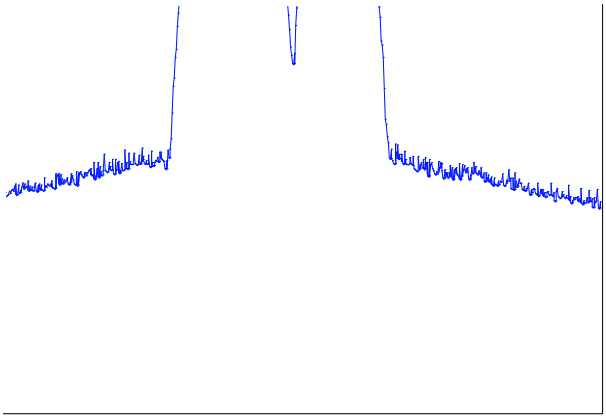
LTE CA band 48C,20MHz+15MHz(99%)

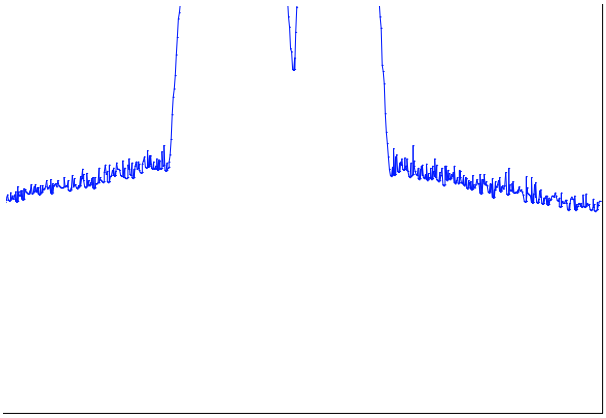
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
3625	32.812	32.812

LTE CA band 48C, 20MHz+15MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:56:42

LTE CA band 48C, 20MHz+15MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:57:05

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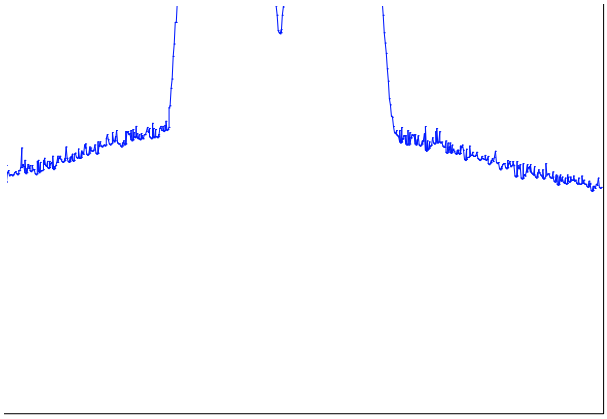
LTE CA band 48C,20MHz+20MHz(99%)

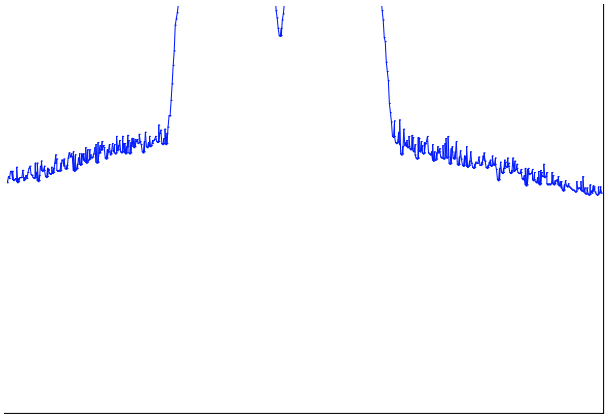
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
3625	38.077	38.077

LTE CA band 48C, 20MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 21:58:30

LTE CA band 48C, 20MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 21:58:53

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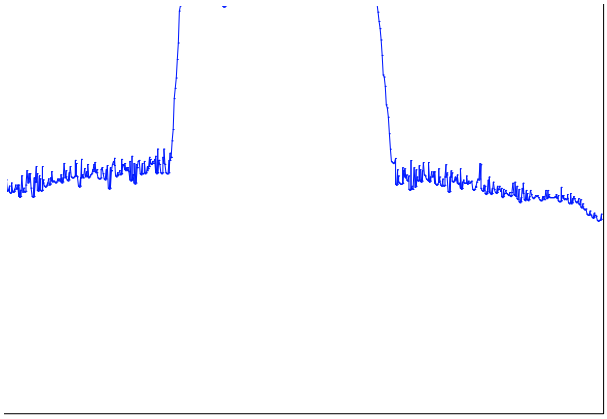
LTE CA band 66C,5MHz+20MHz(99%)

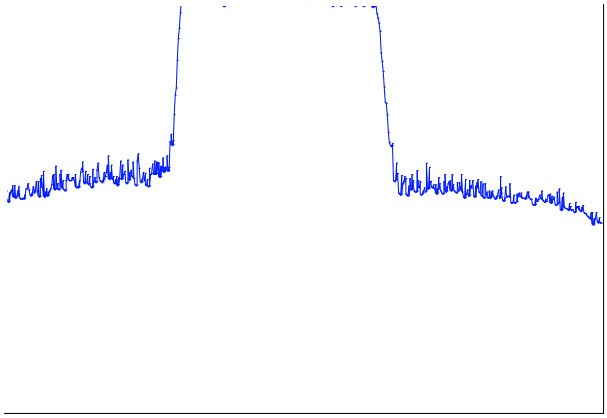
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	23.197	22.957

LTE CA band 66C , 5MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 22:08:48

LTE CA band 66C , 5MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 22:09:14

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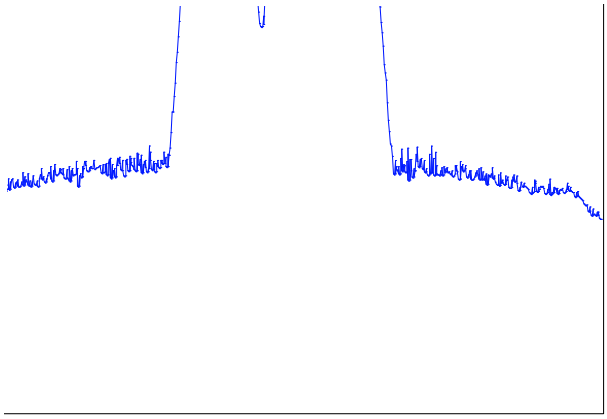
LTE CA band 66C,10MHz+15MHz(99%)

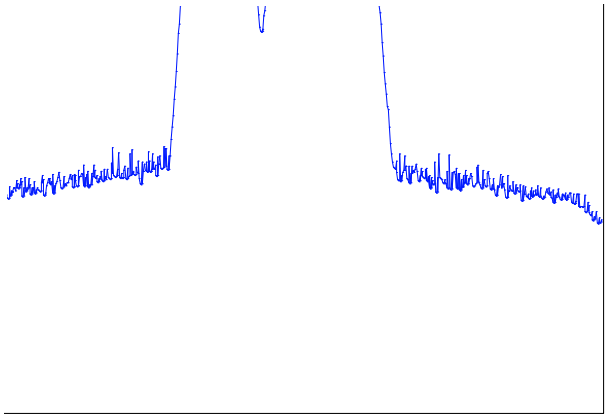
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	23.317	23.317

LTE CA band 66C , 10MHz+15MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 22:10:16

LTE CA band 66C , 10MHz+15MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 22:10:40

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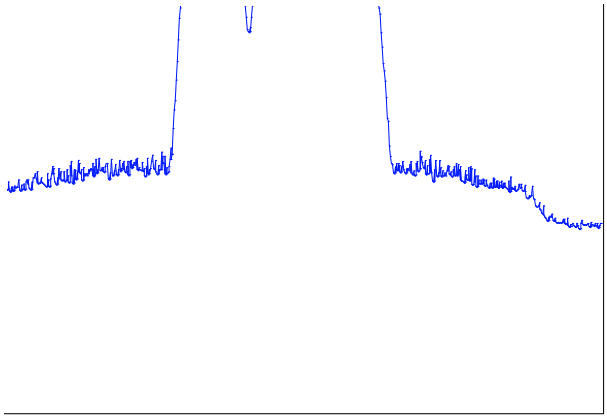
LTE CA band 66C,10MHz+20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	27.981	27.837

LTE CA band 66C , 10MHz+20MHz Bandwidth,QPSK (99% BW)



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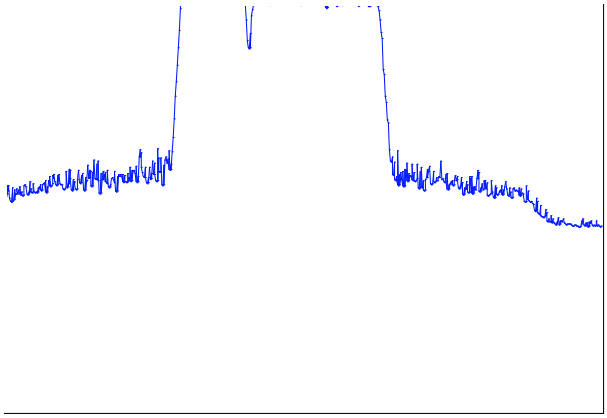
LTE CA band 66C , 10MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 22:12:05

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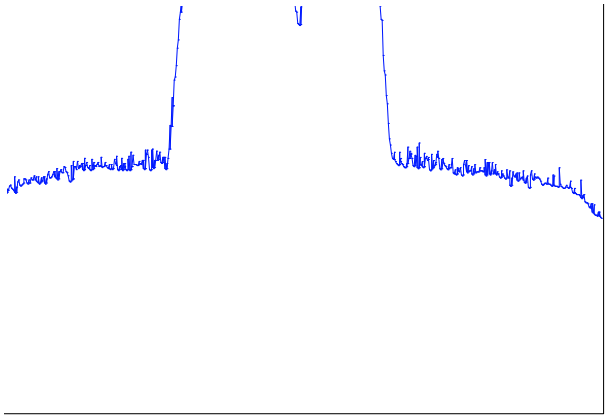
LTE CA band 66C,15MHz+10MHz(99%)

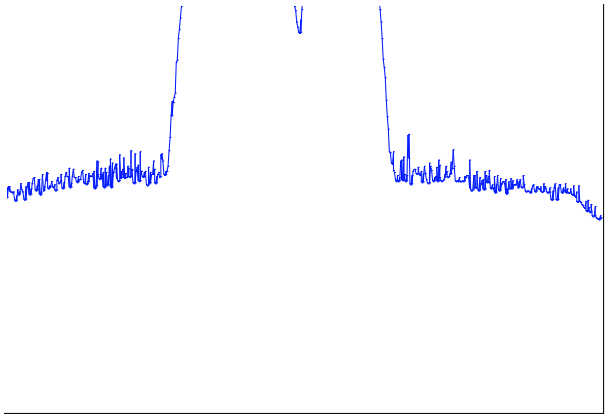
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	23.317	23.197

LTE CA band 66C , 15MHz+10MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 22:13:06

LTE CA band 66C , 15MHz+10MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 22:13:30

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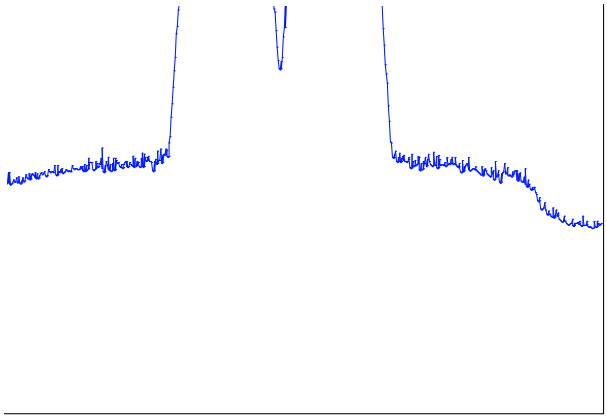
LTE CA band 66C,15MHz+15MHz(99%)

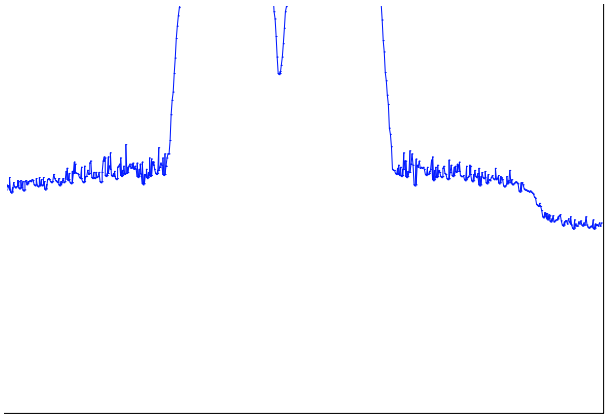
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	28.413	28.413

LTE CA band 66C , 15MHz+15MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 22:14:30

LTE CA band 66C , 15MHz+15MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 22:14:54

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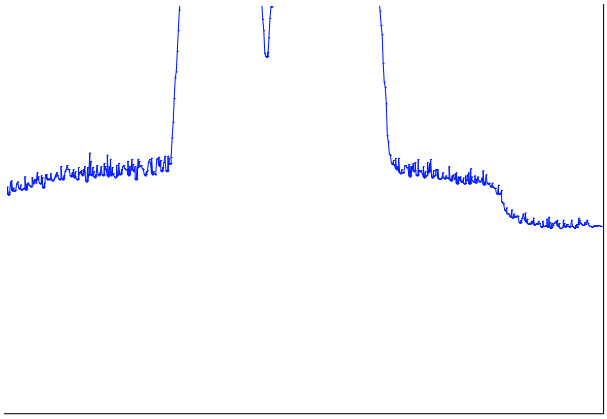
LTE CA band 66C,15MHz+20MHz(99%)

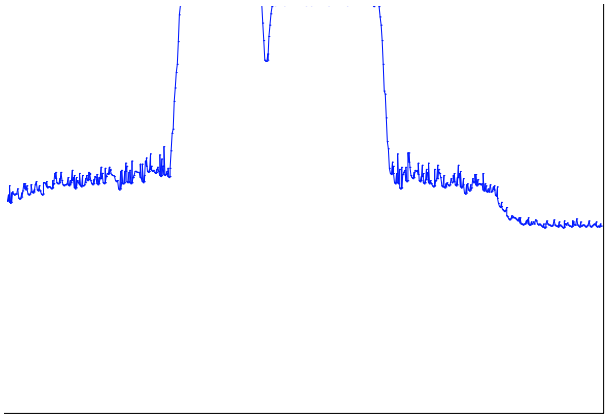
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	32.644	32.644

LTE CA band 66C , 15MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 22:15:55

LTE CA band 66C , 15MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 22:16:22

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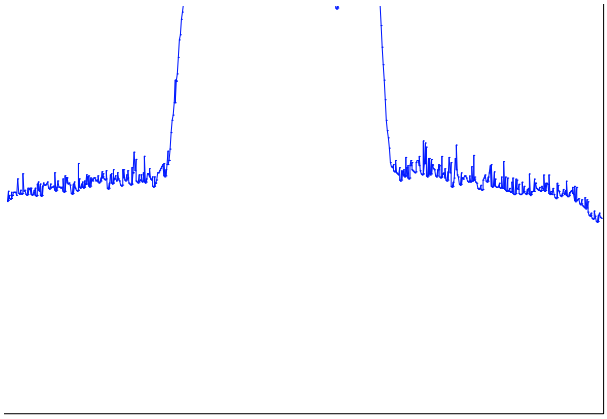
LTE CA band 66C,20MHz+5MHz(99%)

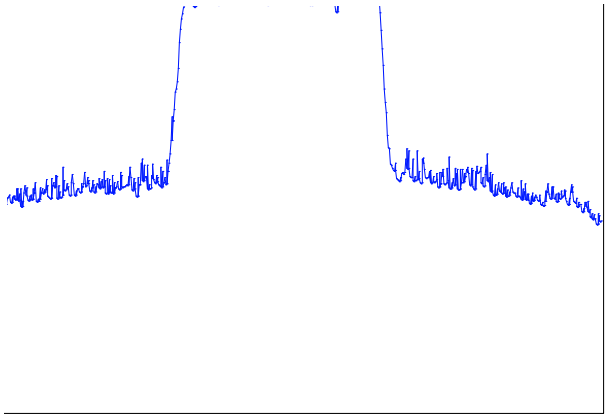
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	23.077	23.077

LTE CA band 66C , 20MHz+5MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 22:17:23

LTE CA band 66C , 20MHz+5MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 22:17:46

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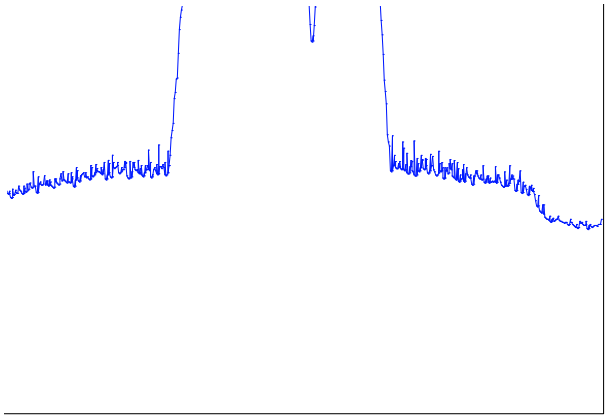
LTE CA band 66C,20MHz+10MHz(99%)

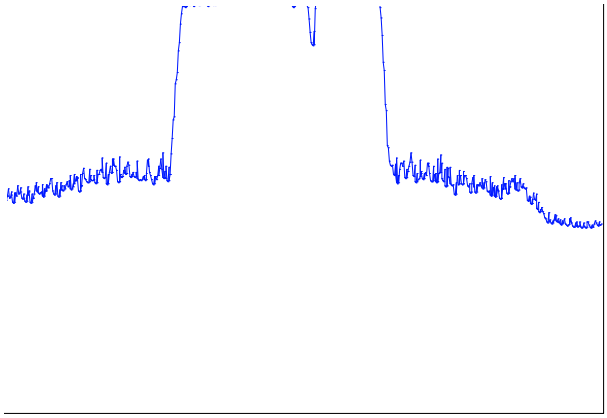
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	27.981	27.981

LTE CA band 66C , 20MHz+10MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 22:18:47

LTE CA band 66C , 20MHz+10MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 22:19:11

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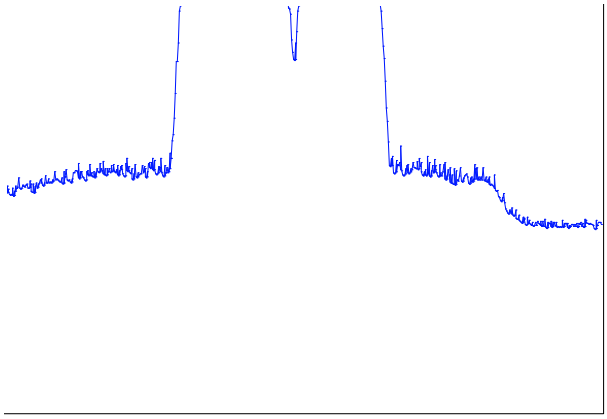
LTE CA band 66C,20MHz+15MHz(99%)

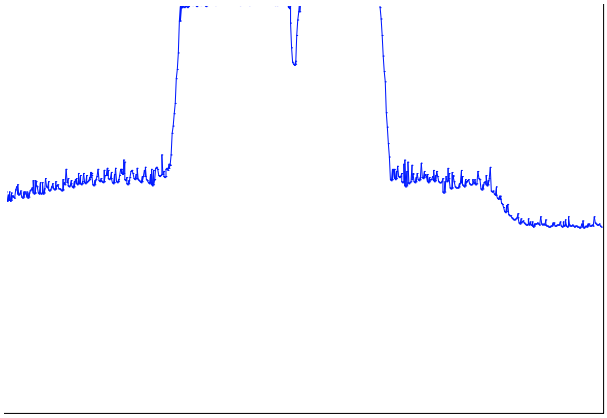
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	32.812	32.812

LTE CA band 66C , 20MHz+15MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 22:20:12

LTE CA band 66C , 20MHz+15MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 22:20:35

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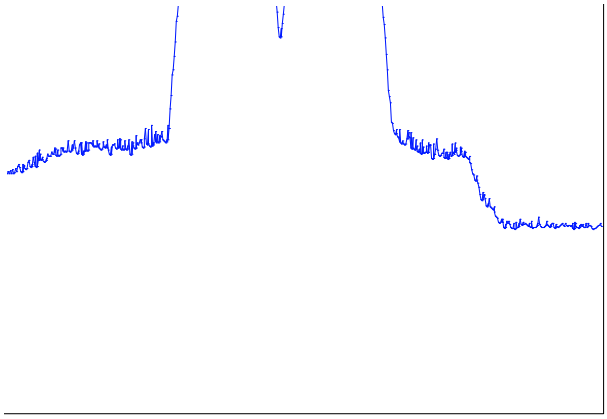
LTE CA band 66C,20MHz+20MHz(99%)

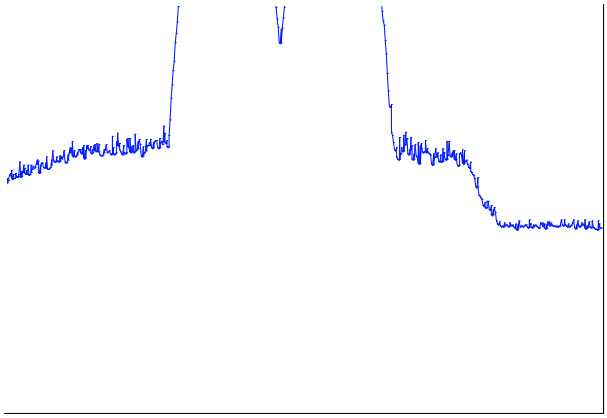
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	QPSK	16QAM
1755	38.077	37.885

LTE CA band 66C , 20MHz+20MHz Bandwidth,QPSK (99% BW)



Date: 23.MAR.2023 22:21:36

LTE CA band 66C , 20MHz+20MHz Bandwidth,16QAM (99% BW)



Date: 23.MAR.2023 22:22:00

Note: Expanded measurement uncertainty is U = 3428 Hz, k = 2.

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A.5 Emission Bandwidth

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Table below lists the measured -26dBc BW. Spectrum analyzer plots are included on the following pages.

The measurement method is from ANSI C63.26:

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.

b) The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.

c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.

d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target "−X dB" requirement, i.e., if the requirement calls for measuring the −26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.

e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.

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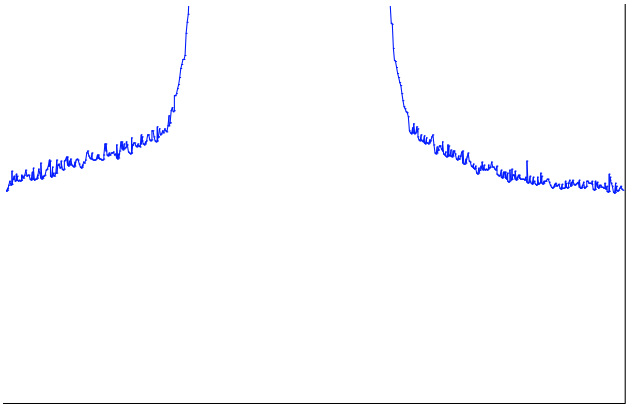
LTE band 7, 5MHz (-26dBc)

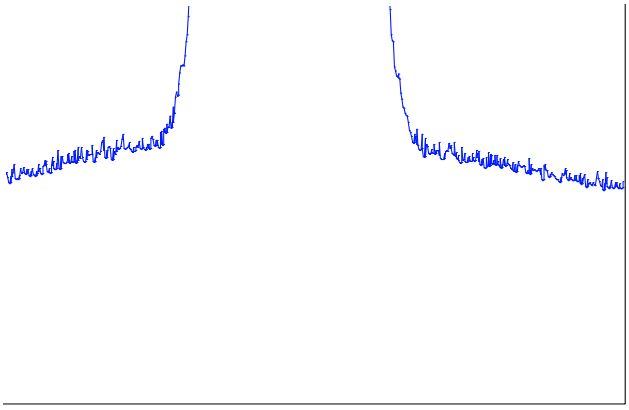
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	5048.08	5048.08

LTE band 7, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:05:54

LTE band 7, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:06:35

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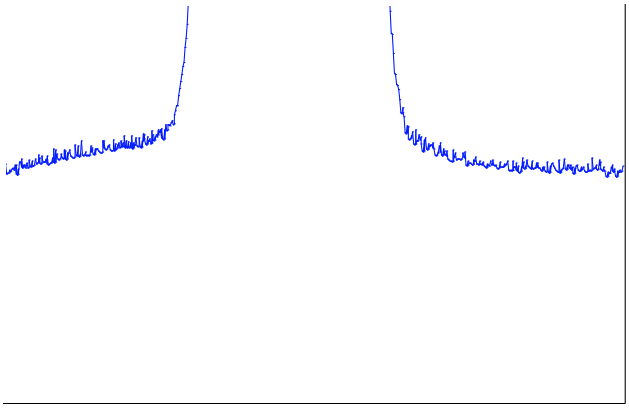
LTE band 7, 10MHz (-26dBc)

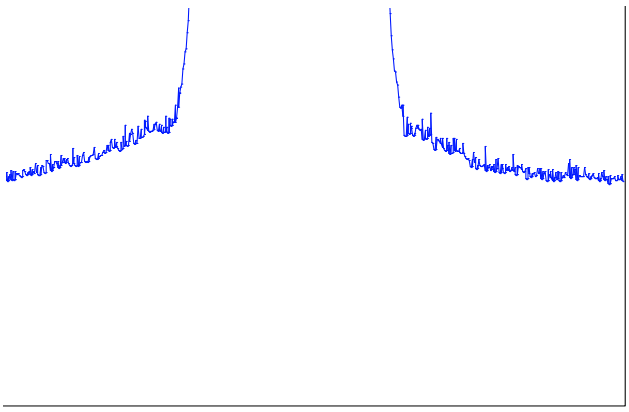
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	9903.85	9855.77

LTE band 7, 10MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:07:20

LTE band 7, 10MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:08:01

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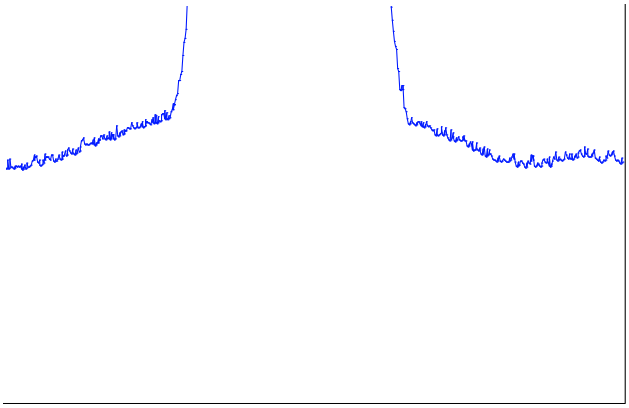
LTE band 7, 15MHz (-26dBc)

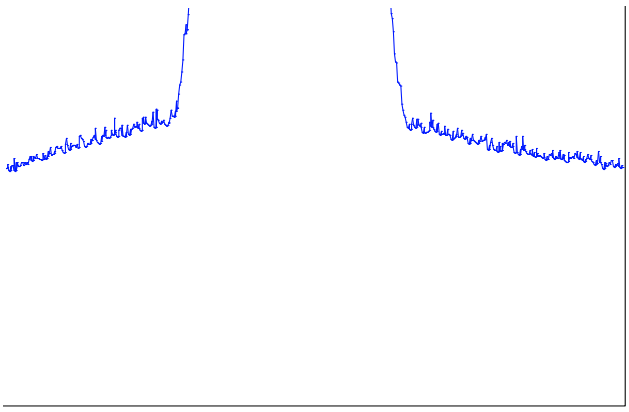
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	14855.77	14927.88

LTE band 7, 15MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:08:46

LTE band 7, 15MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:09:26

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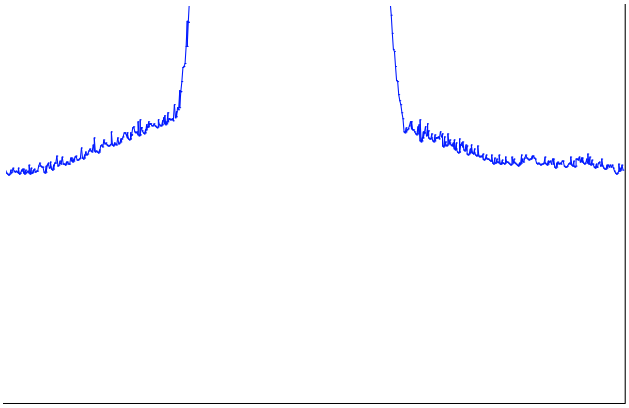
LTE band 7, 20MHz (-26dBc)

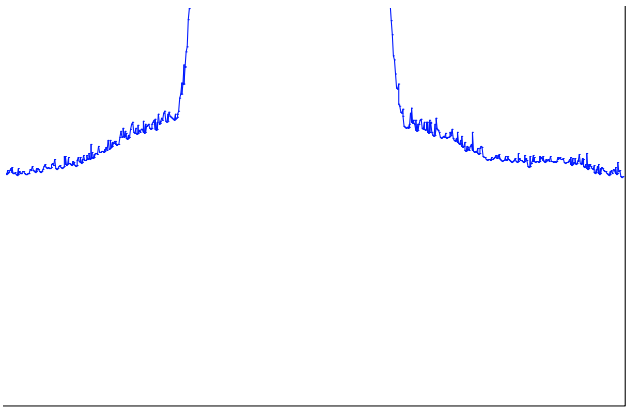
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2535.0	QPSK	16QAM
	19519.23	19423.08

LTE band 7, 20MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:10:12

LTE band 7, 20MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:10:53

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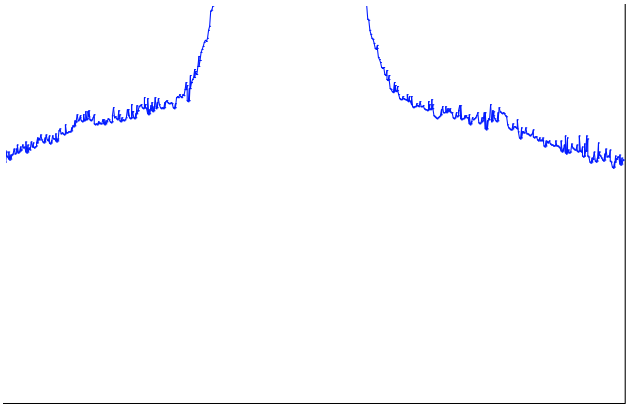
LTE band 12, 1.4MHz (-26dBc)

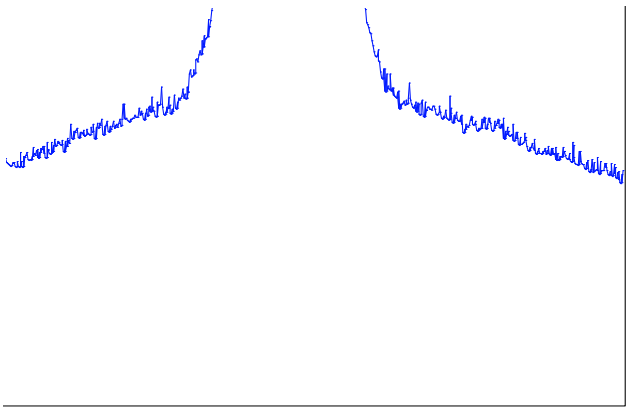
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	1346.15	1330.13

LTE band 12, 1.4MHz Bandwidth, QPSK (-26dBc BW)



Date: 21.MAR.2023 17:40:27

LTE band 12, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 21.MAR.2023 17:41:07

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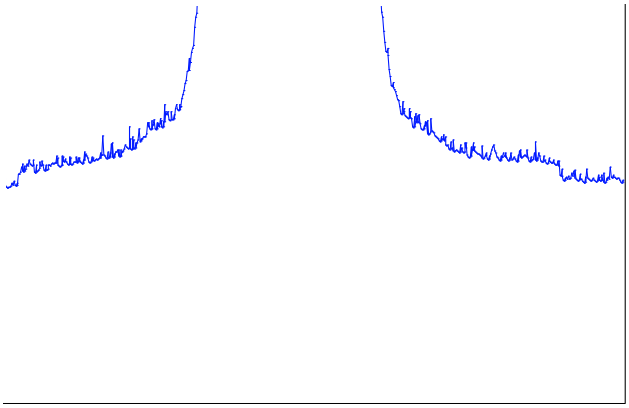
LTE band 12, 3MHz (-26dBc)

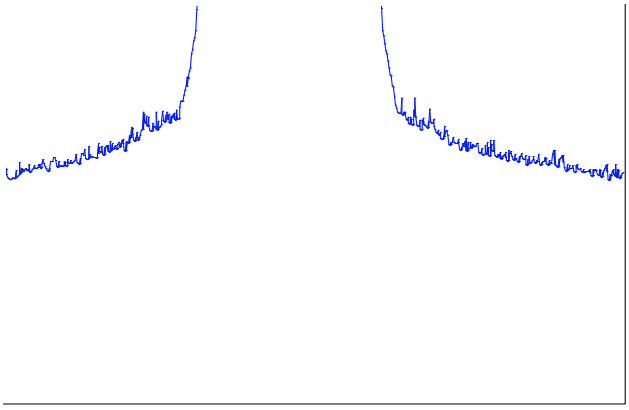
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	2980.77	2996.79

LTE band 12, 3MHz Bandwidth, QPSK (-26dBc BW)



Date: 21.MAR.2023 17:41:53

LTE band 12, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 21.MAR.2023 17:42:33

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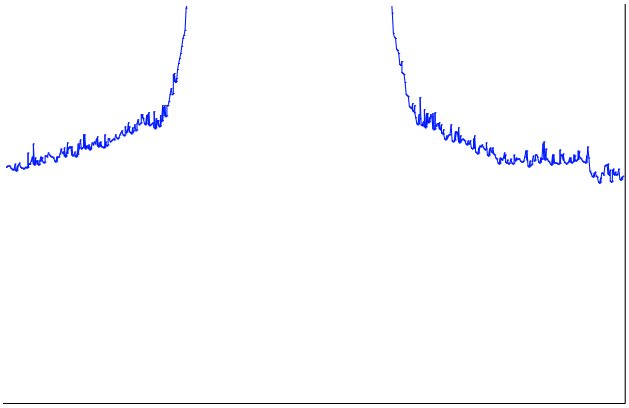
LTE band 12, 5MHz (-26dBc)

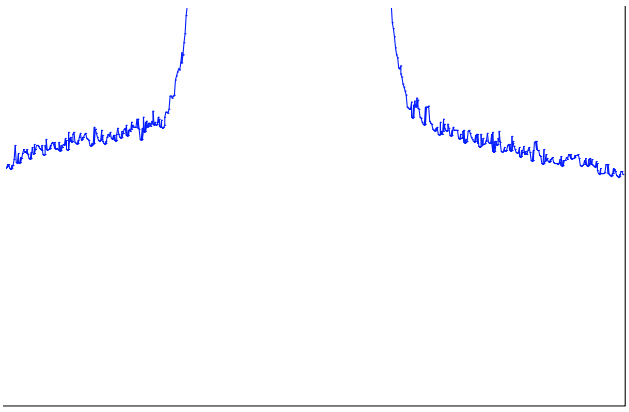
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	5000.00	5048.08

LTE band 12, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 21.MAR.2023 17:43:19

LTE band 12, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 21.MAR.2023 17:44:00

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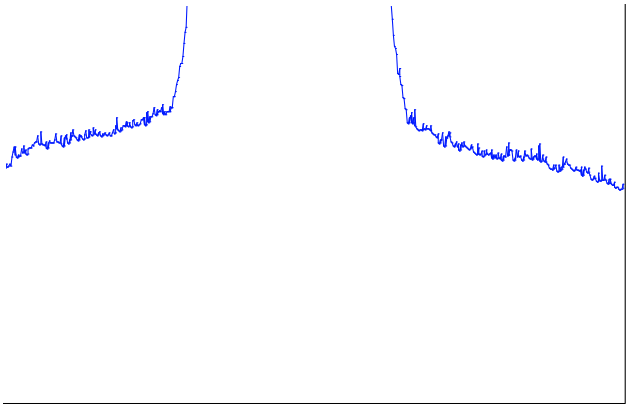
LTE band 12, 10MHz (-26dBc)

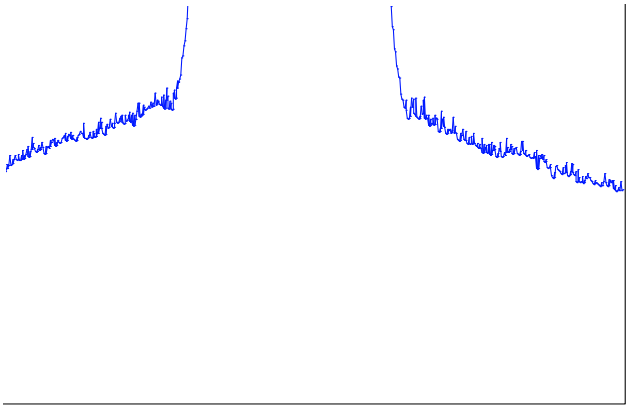
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
707.5	QPSK	16QAM
	9855.77	9759.62

LTE band 12, 10MHz Bandwidth, QPSK (-26dBc BW)



Date: 21.MAR.2023 17:44:45

LTE band 12, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 21.MAR.2023 17:45:26

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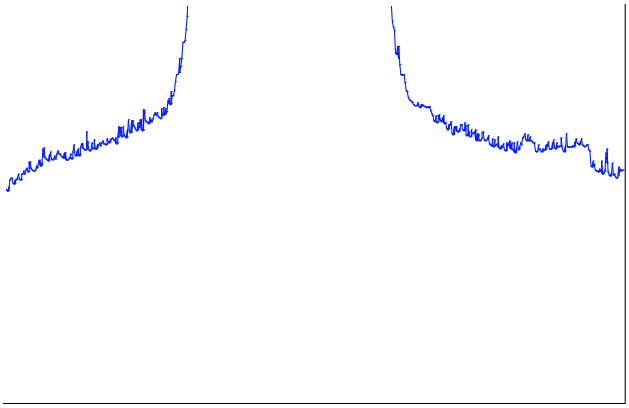
LTE band 13, 5MHz (-26dBc)

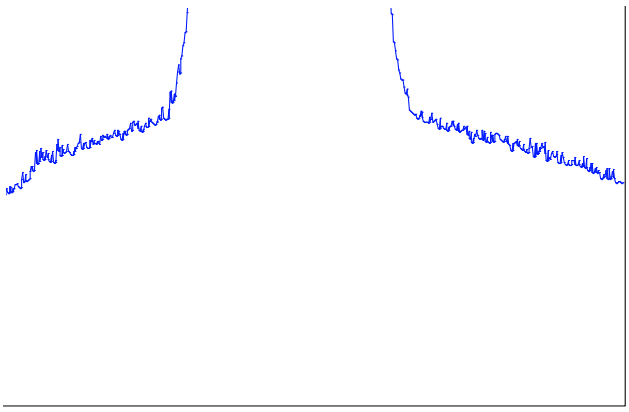
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
782.0	QPSK	16QAM
	5000.00	4975.96

LTE band 13, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 21.MAR.2023 17:46:16

LTE band 13, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 21.MAR.2023 17:46:56

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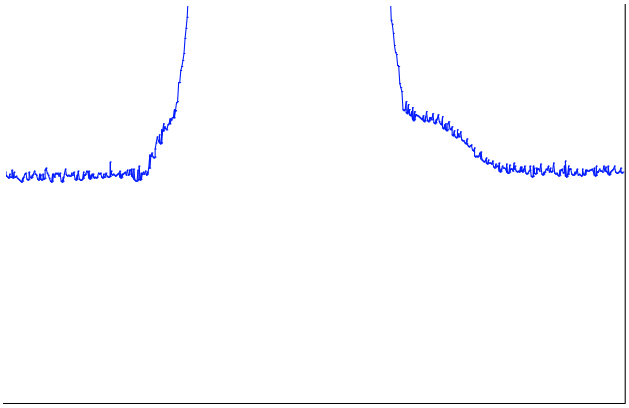
LTE band 13, 10MHz (-26dBc)

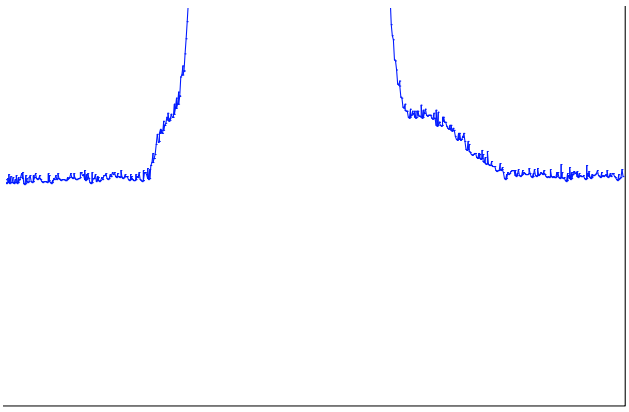
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
782.0	QPSK	16QAM
	9855.77	9759.62

LTE band 13, 10MHz Bandwidth, QPSK (-26dBc BW)



Date: 21.MAR.2023 17:47:42

LTE band 13, 10MHz Bandwidth,16QAM (-26dBc BW)



Date: 21.MAR.2023 17:48:22

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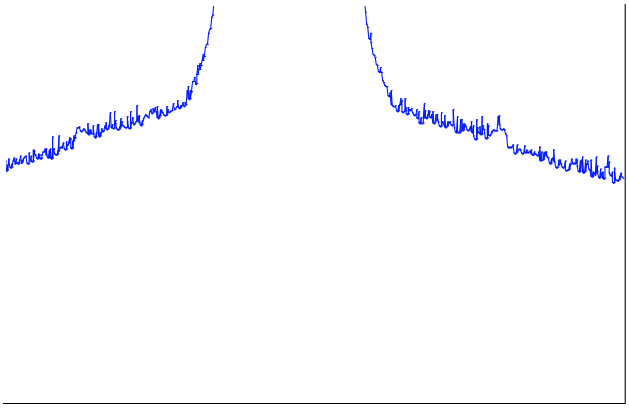
LTE band 25, 1.4MHz (-26dBc)

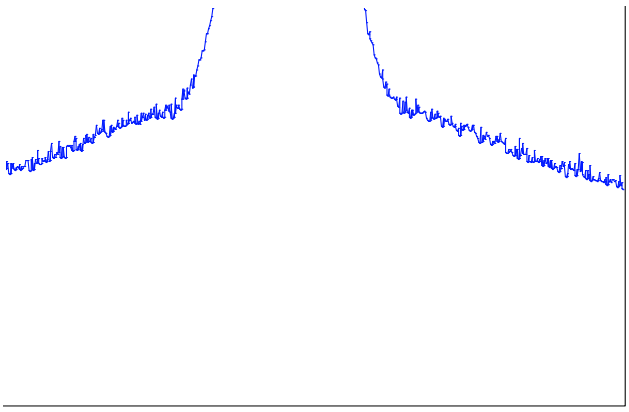
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	1322.12	1362.18

LTE band 25, 1.4MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:11:43

LTE band 25, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:12:23

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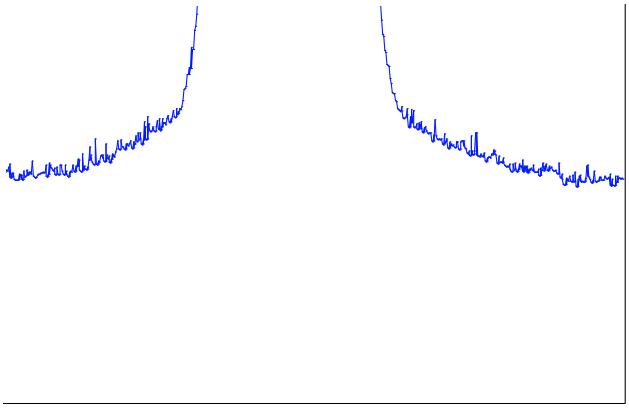
LTE band 25, 3MHz (-26dBc)

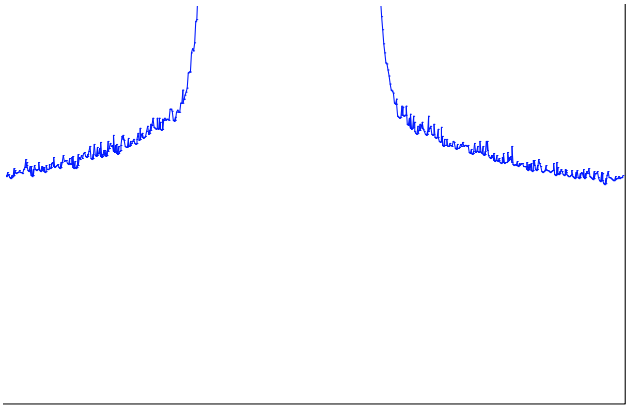
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	3012.82	3028.85

LTE band 25, 3MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:13:09

LTE band 25, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:13:50

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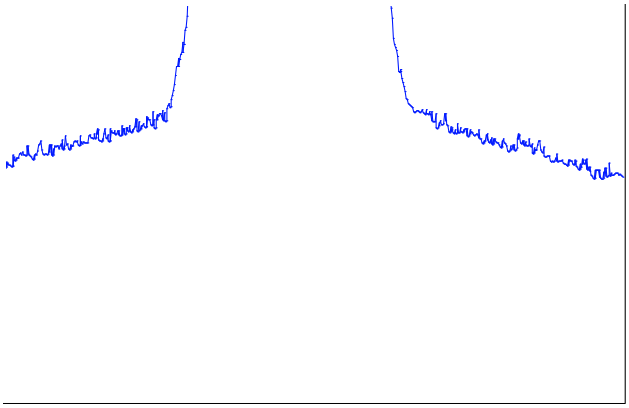
LTE band 25, 5MHz (-26dBc)

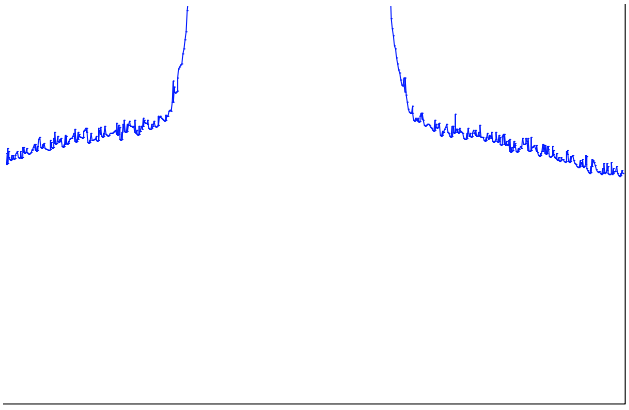
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	5096.15	5048.08

LTE band 25, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:14:35

LTE band 25, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:15:16

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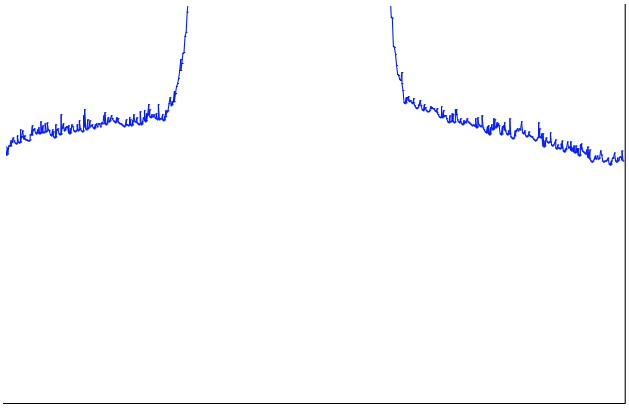
LTE band 25, 10MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	9807.69	9855.77

LTE band 25, 10MHz Bandwidth, QPSK (-26dBc BW)



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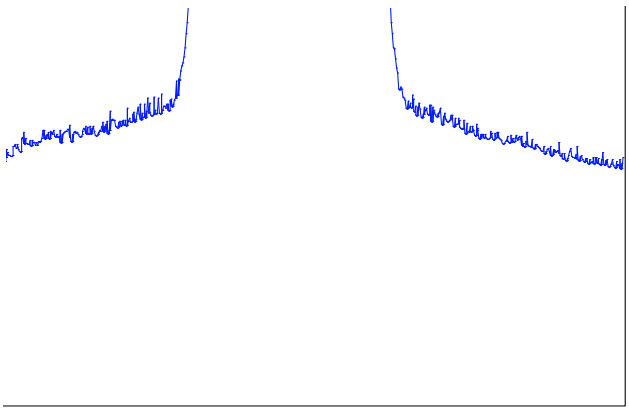
LTE band 25, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:16:42

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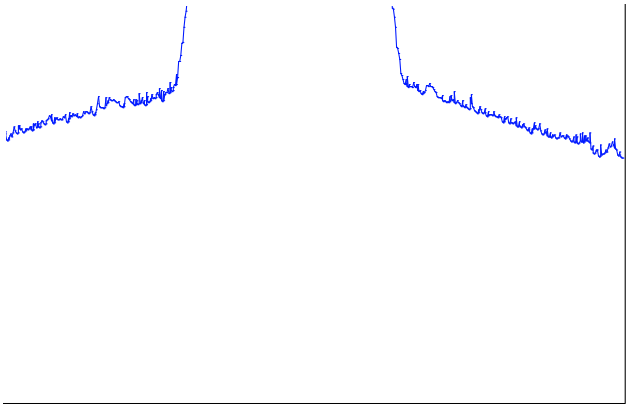
LTE band 25, 15MHz (-26dBc)

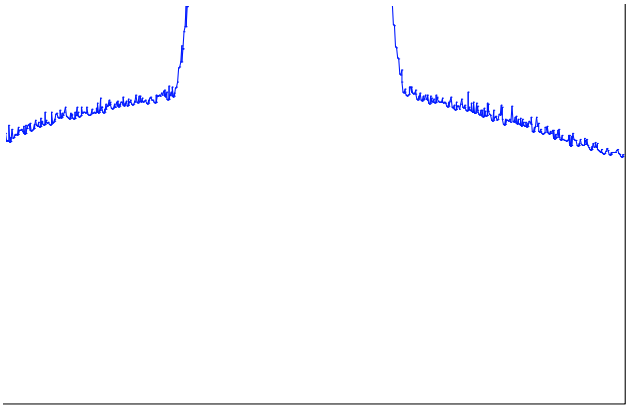
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	15000.00	15000.00

LTE band 25, 15MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:17:27

LTE band 25, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:18:08

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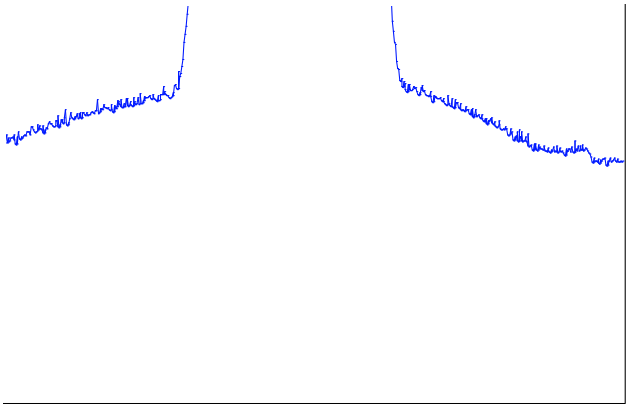
LTE band 25, 20MHz (-26dBc)

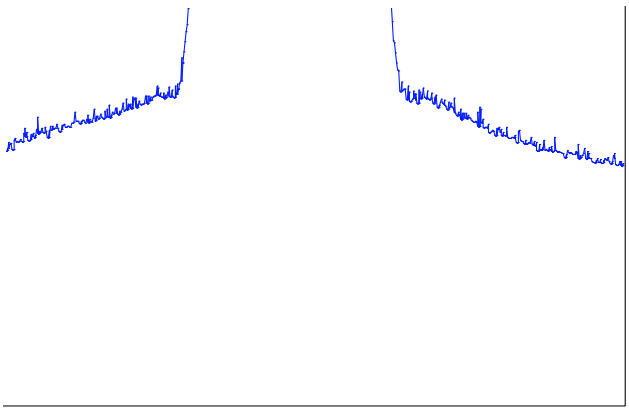
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1882.5	QPSK	16QAM
	19519.23	19711.54

LTE band 25, 20MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:18:53

LTE band 25, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:19:34

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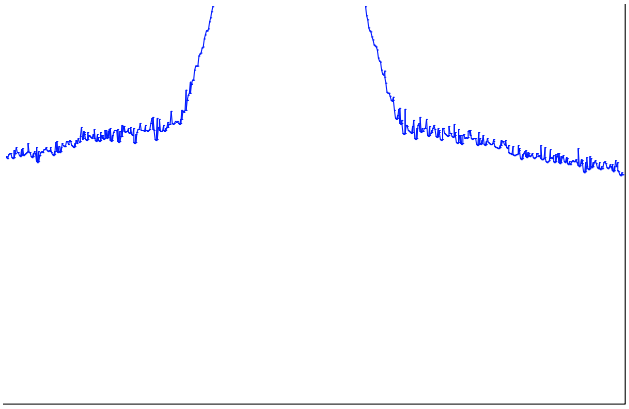
LTE band 26(814MHz~824MHz), 1.4MHz (-26dBc)

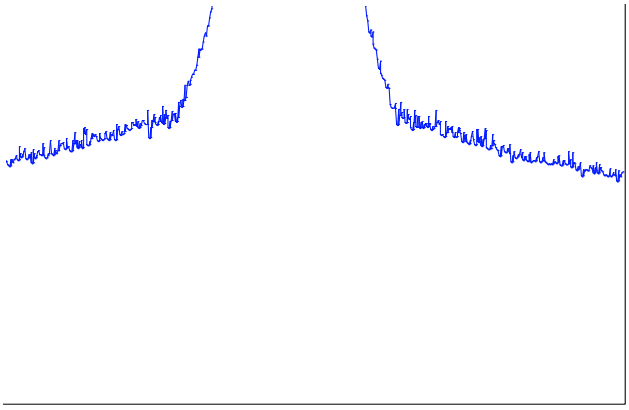
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	1354.17	1354.17

LTE band 26(814MHz~824MHz), 1.4MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 15:53:55

LTE band 26(814MHz~824MHz), 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 15:54:35

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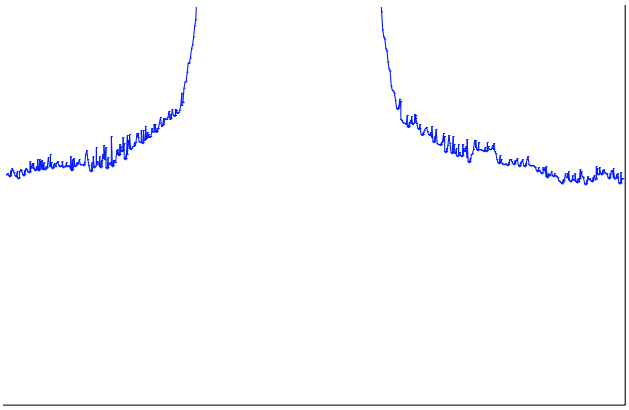
LTE band 26(814MHz~824MHz), 3MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	3012.82	3028.85

LTE band 26(814MHz~824MHz), 3MHz Bandwidth, QPSK (-26dBc BW)



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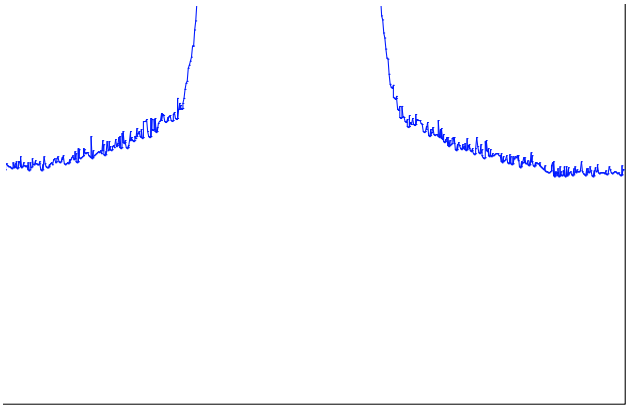
LTE band 26(814MHz~824MHz), 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 15:56:01

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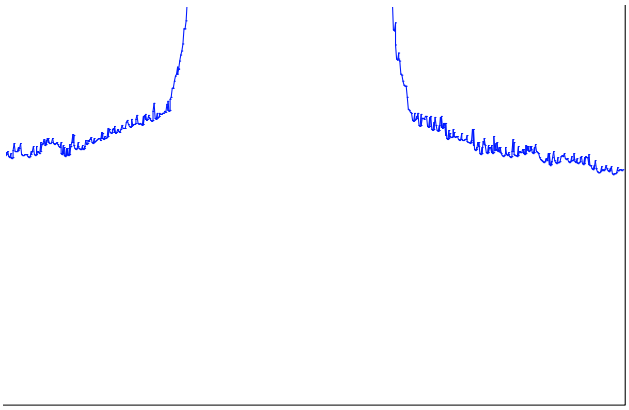
LTE band 26(814MHz~824MHz), 5MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	5000.00	5024.04

LTE band 26(814MHz~824MHz), 5MHz Bandwidth, QPSK (-26dBc BW)



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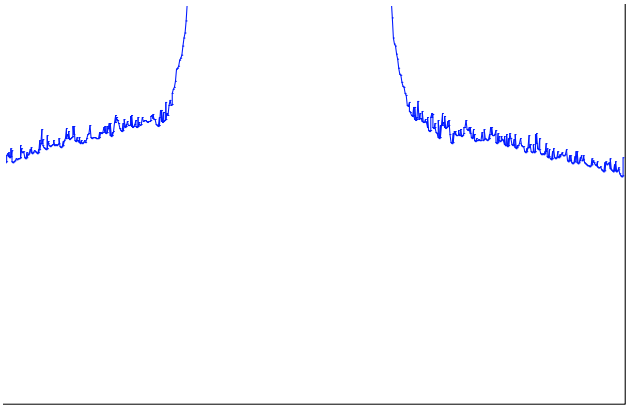
LTE band 26(814MHz~824MHz), 5MHz Bandwidth, 16QAM (-26dBc BW)



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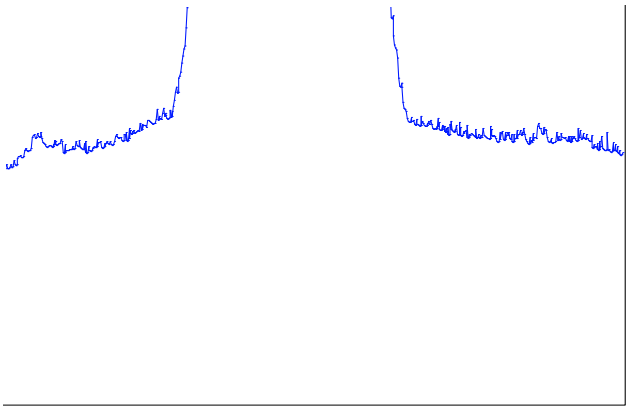
LTE band 26(814MHz~824MHz), 10MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
819.0	QPSK	16QAM
	9855.77	9759.62

LTE band 26(814MHz~824MHz), 10MHz Bandwidth, QPSK (-26dBc BW)



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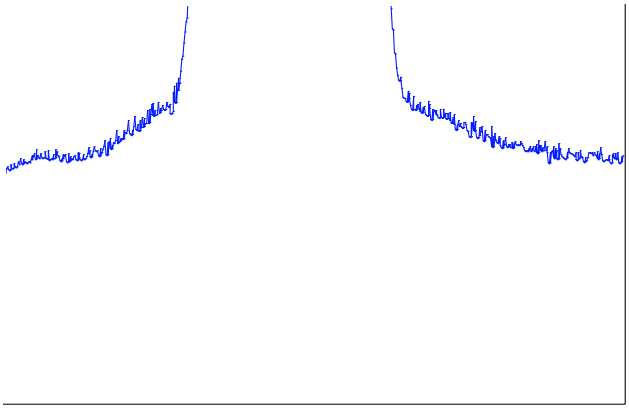
LTE band 26(814MHz~824MHz), 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 15:59:04

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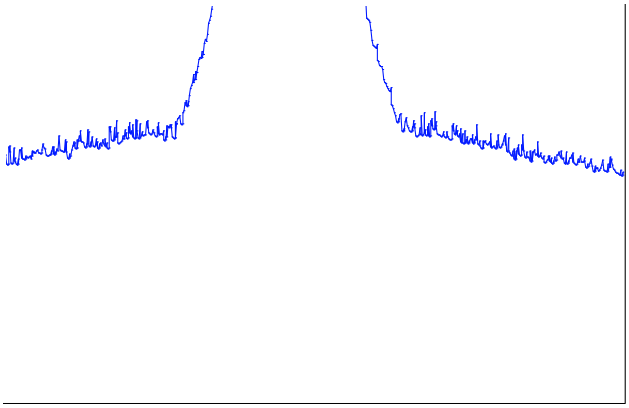
LTE band 26(824MHz~849MHz), 1.4MHz (-26dBc)

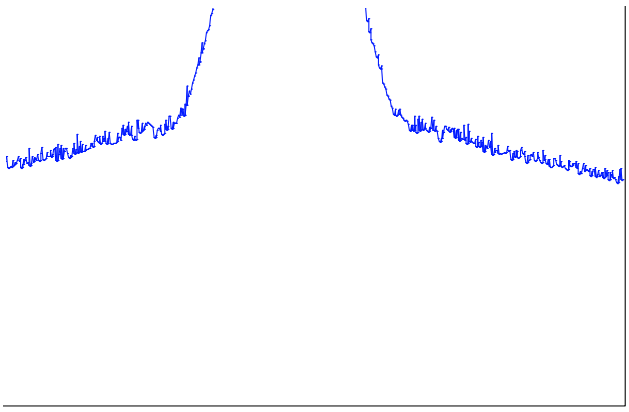
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	1330.13	1362.18

LTE band 26(824MHz~849MHz), 1.4MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 15:45:54

LTE band 26(824MHz~849MHz), 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 15:46:35

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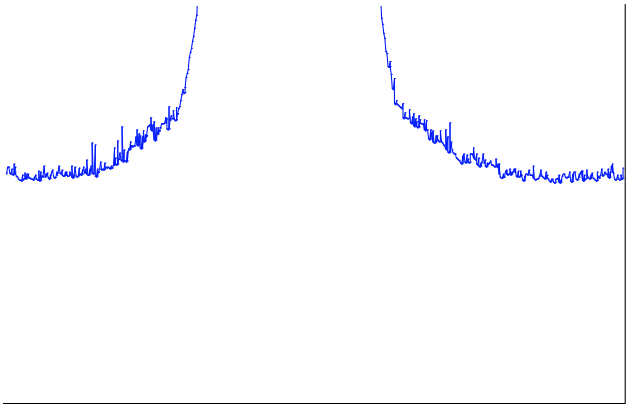
LTE band 26(824MHz~849MHz), 3MHz (-26dBc)

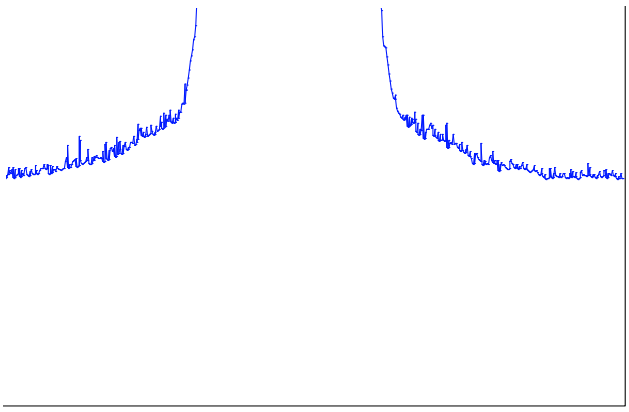
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	3012.82	3012.82

LTE band 26(824MHz~849MHz), 3MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 15:47:20

LTE band 26(824MHz~849MHz), 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 15:48:00

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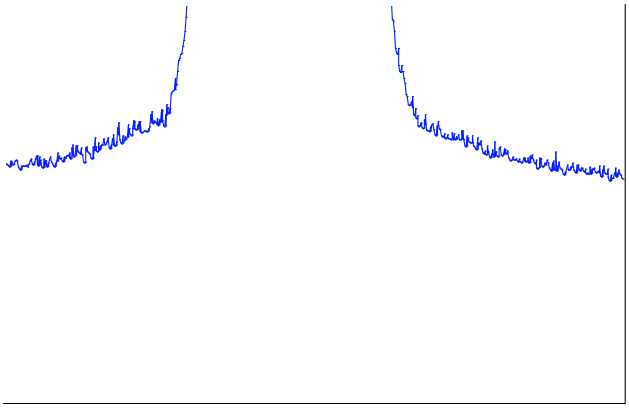
LTE band 26(824MHz~849MHz), 5MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	5000.00	5024.04

LTE band 26(824MHz~849MHz), 5MHz Bandwidth, QPSK (-26dBc BW)



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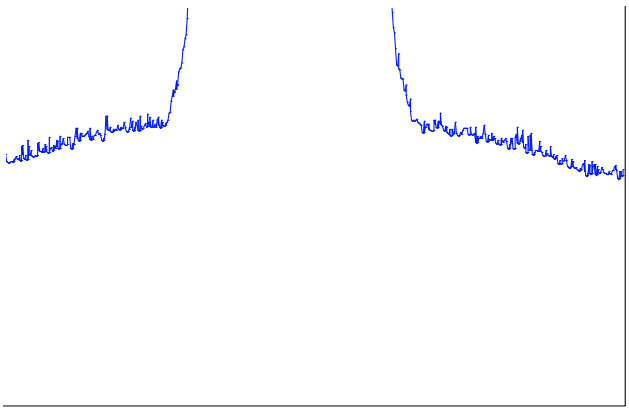
LTE band 26(824MHz~849MHz), 5MHz Bandwidth, 16QAM (-26dBc BW)



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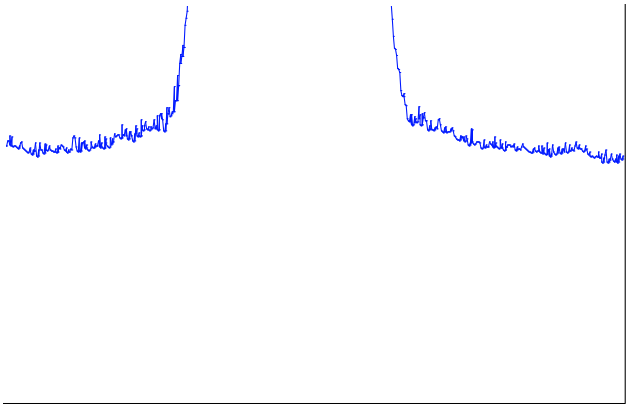
LTE band 26(824MHz~849MHz), 10MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	9855.77	9759.62

LTE band 26(824MHz~849MHz), 10MHz Bandwidth, QPSK (-26dBc BW)



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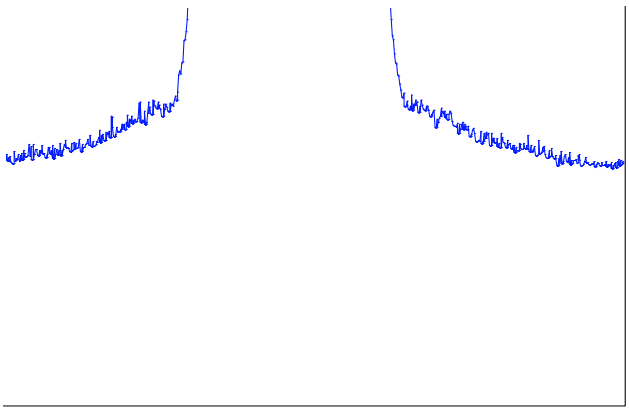
LTE band 26(824MHz~849MHz), 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 15:50:52

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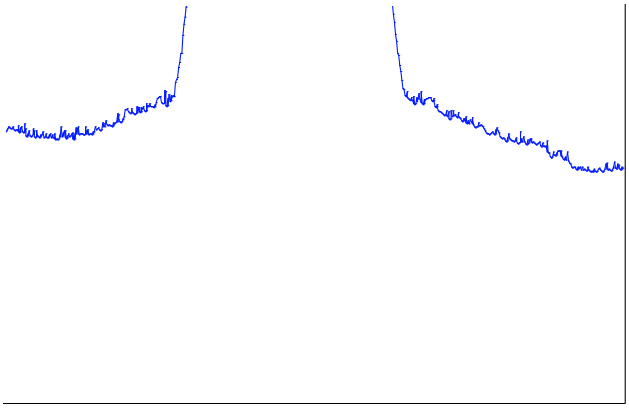
LTE band 26(824MHz~849MHz), 15MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
836.5	QPSK	16QAM
	14855.77	14855.77

LTE band 26(824MHz~849MHz), 15MHz Bandwidth, QPSK (-26dBc BW)



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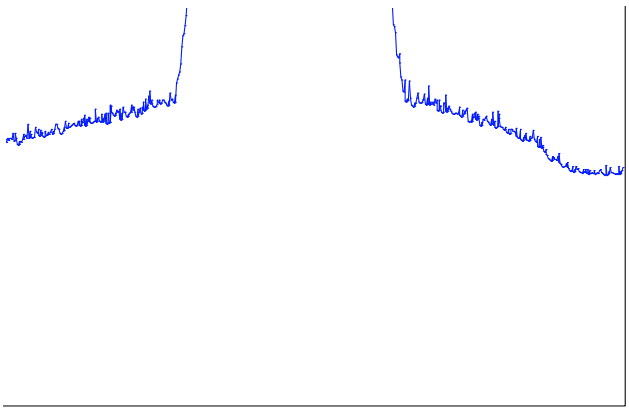
LTE band 26(824MHz~849MHz), 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 15:52:28

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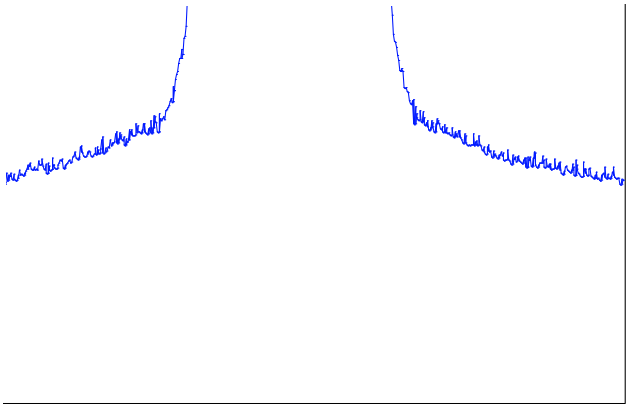
LTE band 30, 5MHz (-26dBc)

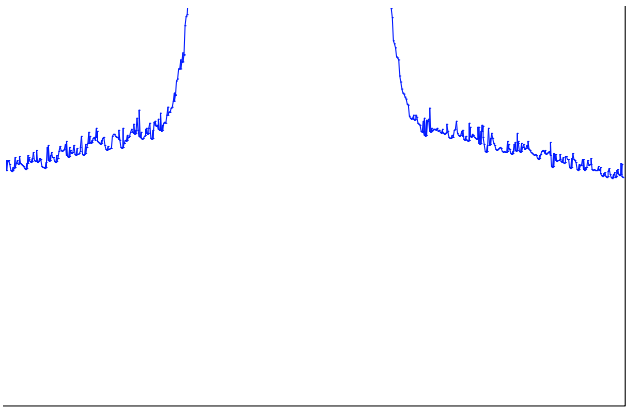
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2310.0	QPSK	16QAM
	5024.04	5024.04

LTE band 30, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 28.MAR.2023 16:11:12

LTE band 30, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 28.MAR.2023 16:11:52

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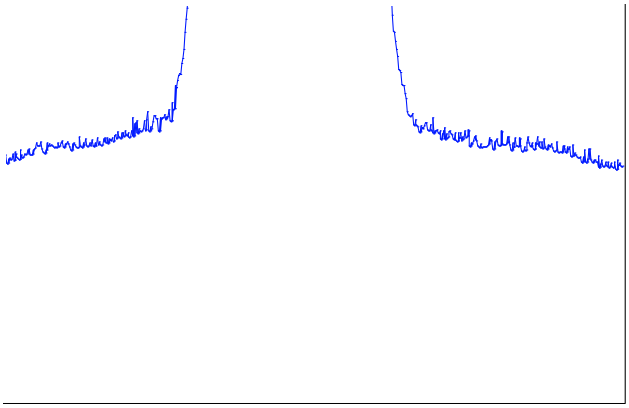
LTE band 30, 10MHz (-26dBc)

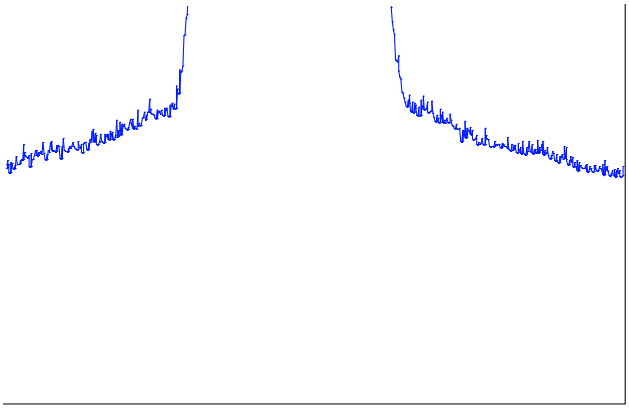
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2310.0	QPSK	16QAM
	9807.69	9807.69

LTE band 30, 10MHz Bandwidth, QPSK (-26dBc BW)



Date: 28.MAR.2023 16:12:37

LTE band 30, 10MHz Bandwidth,16QAM (-26dBc BW)



Date: 28.MAR.2023 16:13:18

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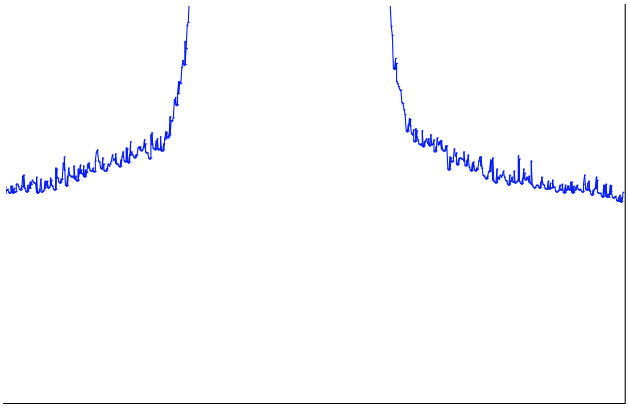
LTE band 41, 5MHz (-26dBc)

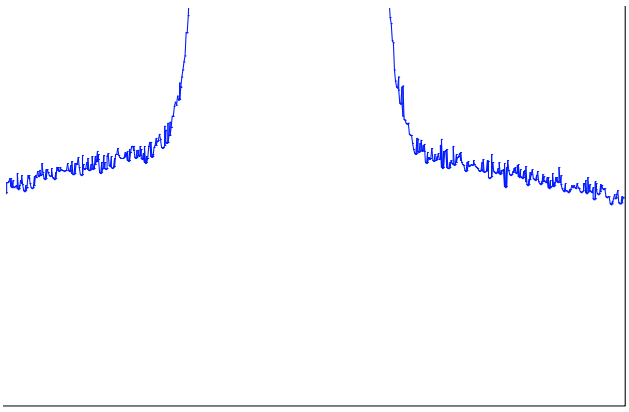
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	4951.92	4951.92

LTE band 41, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:29:49

LTE band 41, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:30:30

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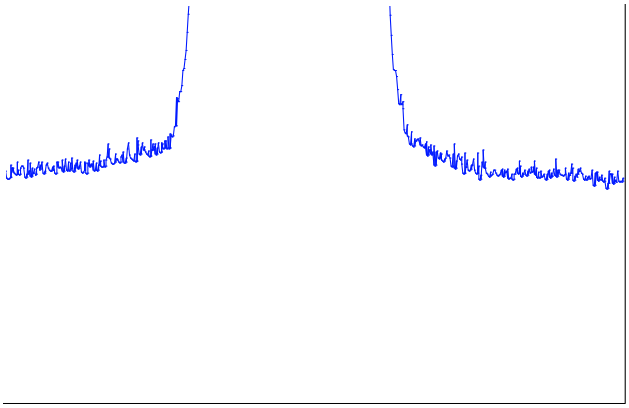
LTE band 41, 10MHz (-26dBc)

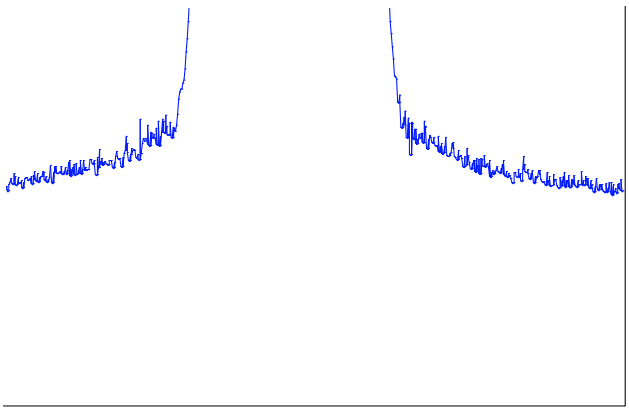
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	9759.62	9855.77

LTE band 41, 10MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:31:16

LTE band 41, 10MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:31:57

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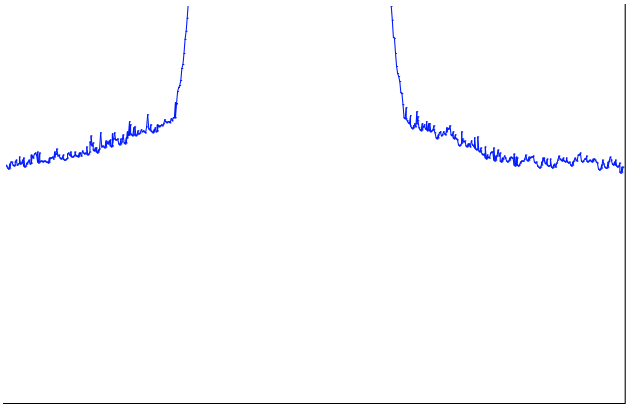
LTE band 41, 15MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	14855.77	14639.42

LTE band 41, 15MHz Bandwidth, QPSK (-26dBc BW)



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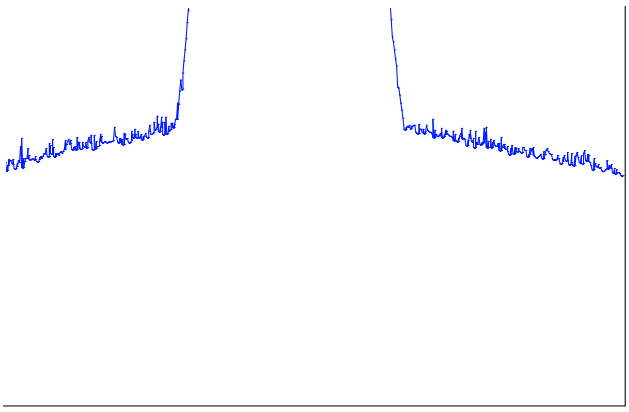
LTE band 41, 15MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:33:23

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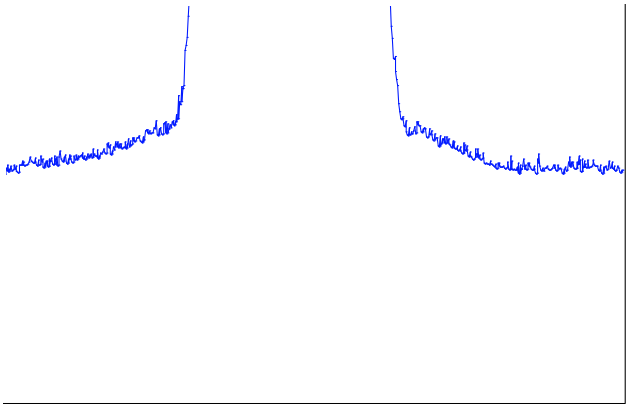
LTE band 41, 20MHz (-26dBc)

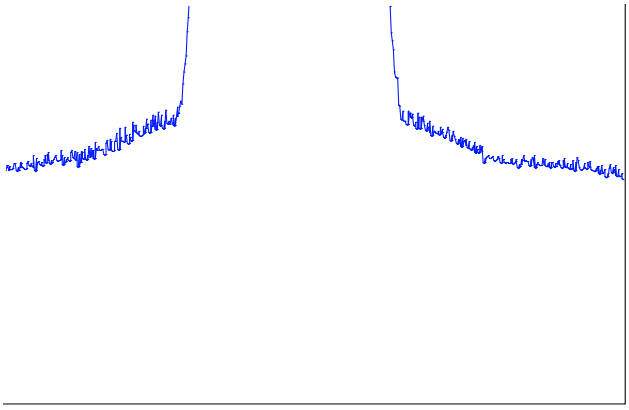
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
2593.0	QPSK	16QAM
	19230.77	19423.08

LTE band 41, 20MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:34:09

LTE band 41, 20MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:34:49

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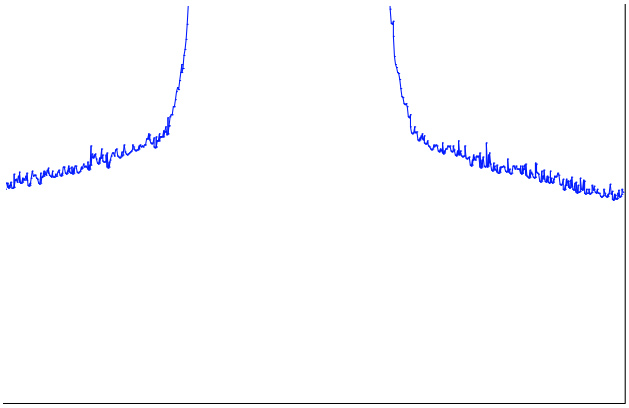
LTE band 48, 5MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
3625.0	QPSK	16QAM
	5024.04	5000.00

LTE band 48, 5MHz Bandwidth, QPSK (-26dBc BW)



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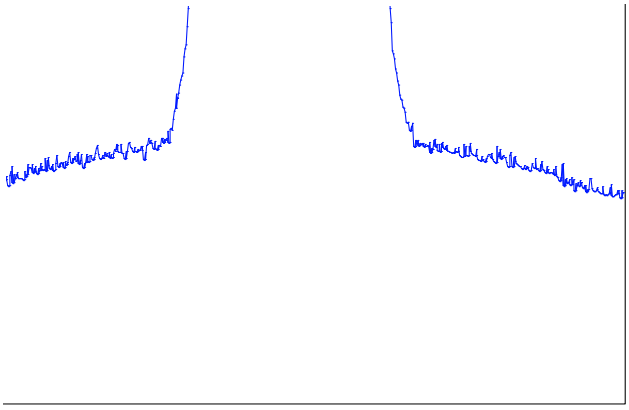
LTE band 48, 5MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:36:21

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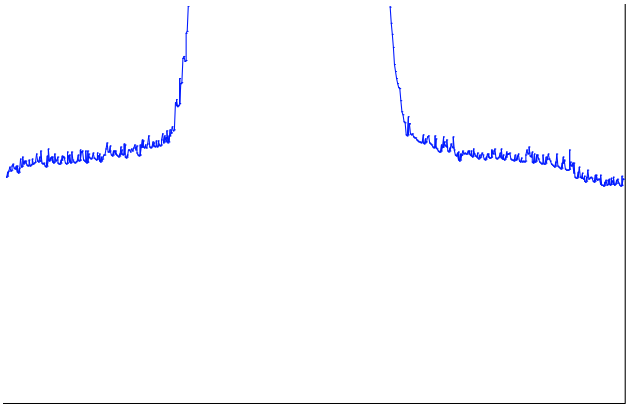
LTE band 48, 10MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
3625.0	QPSK	16QAM
	9855.77	9855.77

LTE band 48, 10MHz Bandwidth, QPSK (-26dBc BW)



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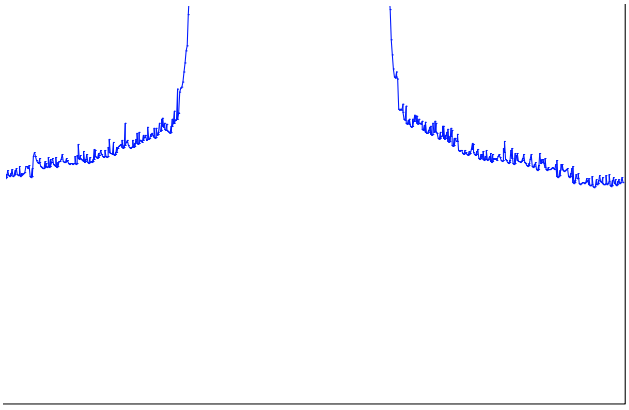
LTE band 48, 10MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:37:47

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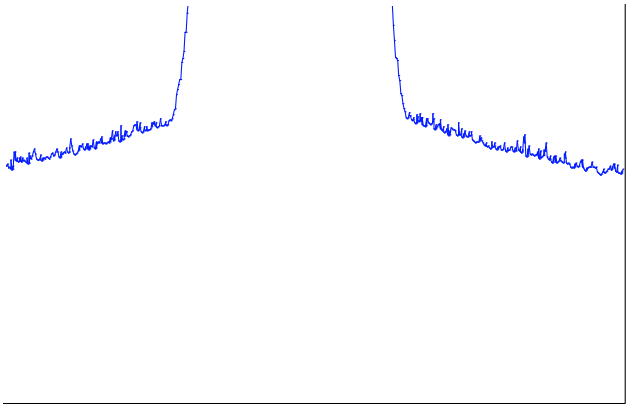
LTE band 48, 15MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
3625.0	QPSK	16QAM
	14927.88	14855.77

LTE band 48, 15MHz Bandwidth, QPSK (-26dBc BW)



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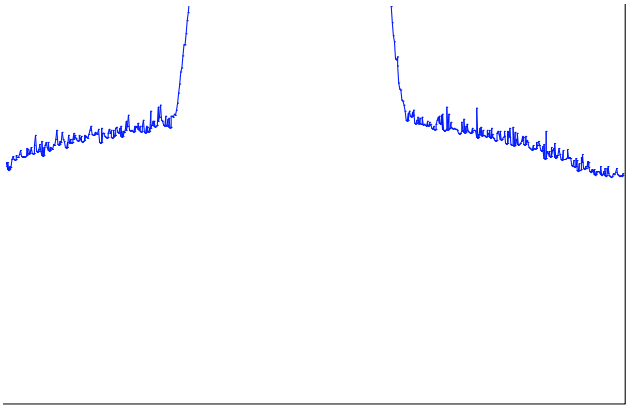
LTE band 48, 15MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:39:14

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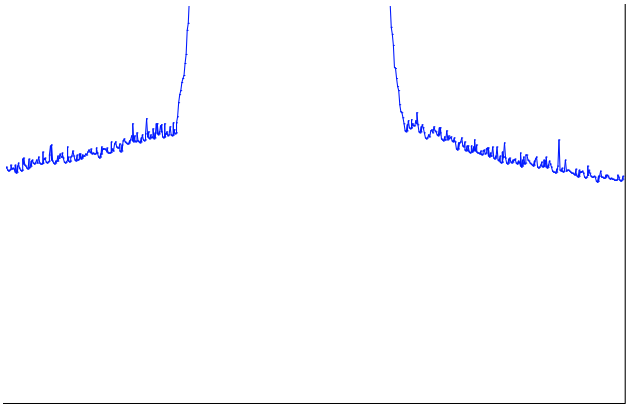
LTE band 48, 20MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
3625.0	QPSK	16QAM
	19423.08	19423.08

LTE band 48, 20MHz Bandwidth, QPSK (-26dBc BW)



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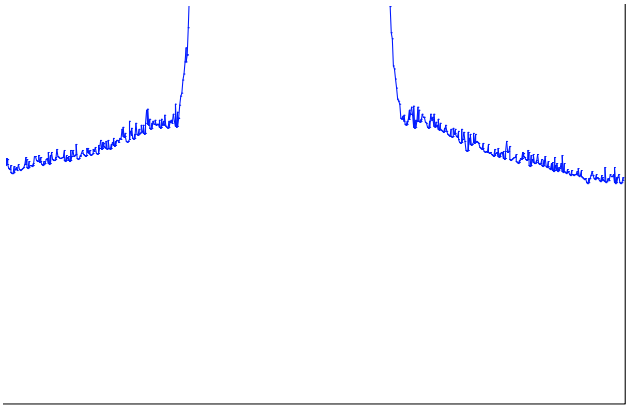
LTE band 48, 20MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 14:40:40

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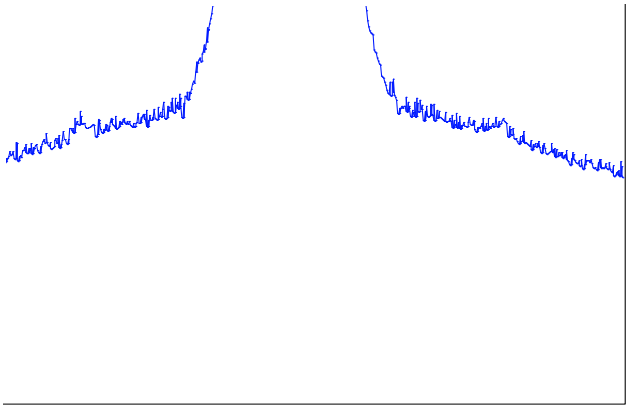
LTE band 66, 1.4MHz (-26dBc)

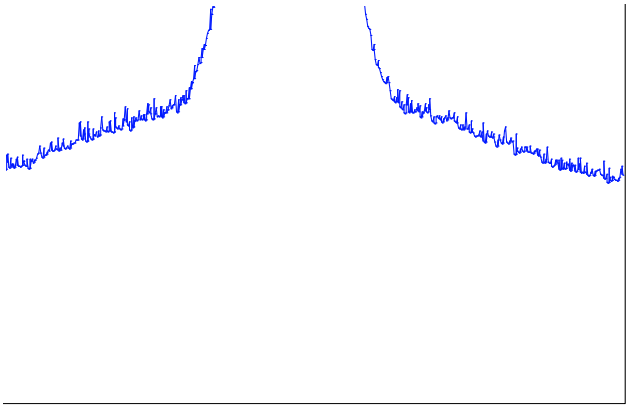
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	1322.12	1314.10

LTE band 66, 1.4MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:20:24

LTE band 66, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:21:05

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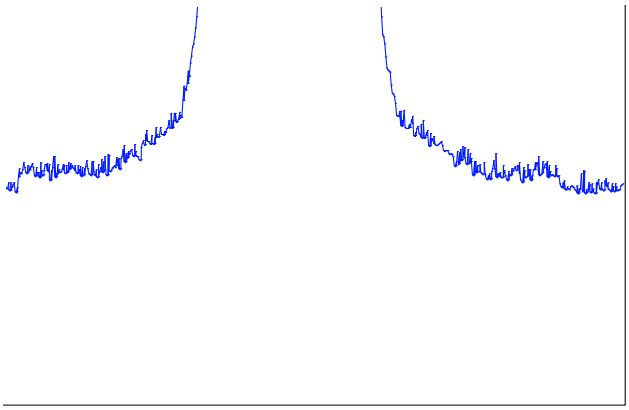
LTE band 66, 3MHz (-26dBc)

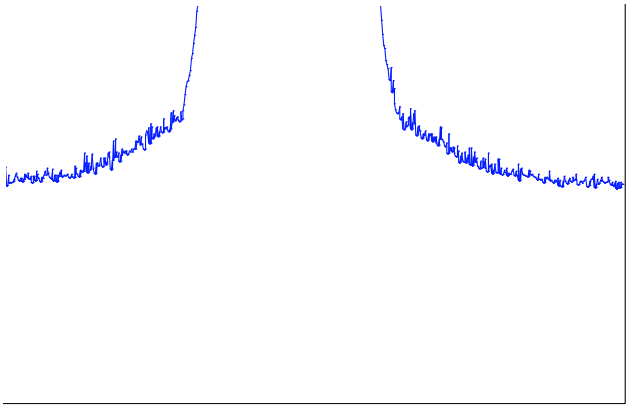
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	2964.74	2980.77

LTE band 66, 3MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:21:51

LTE band 66, 3MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:22:31

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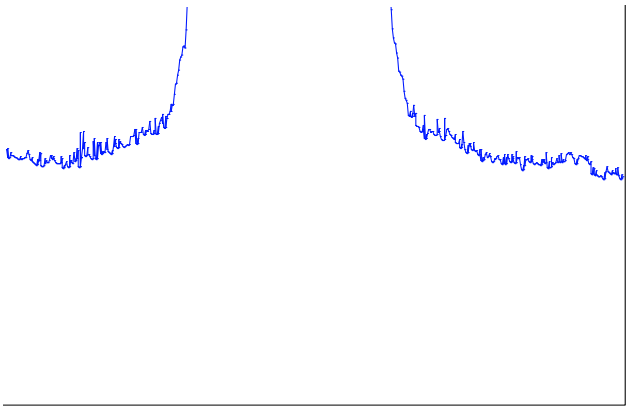
LTE band 66, 5MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	5024.04	4975.96

LTE band 66, 5MHz Bandwidth, QPSK (-26dBc BW)



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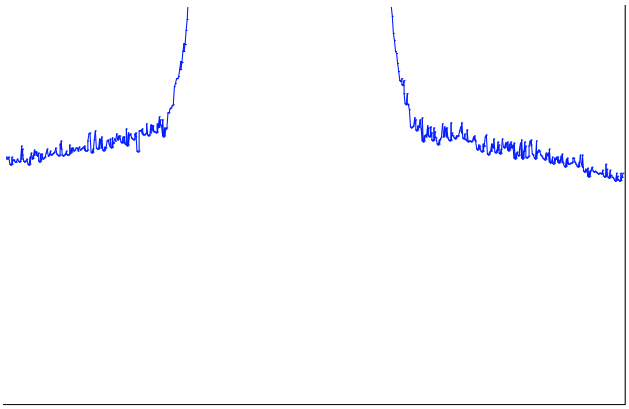
LTE band 66, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:23:57

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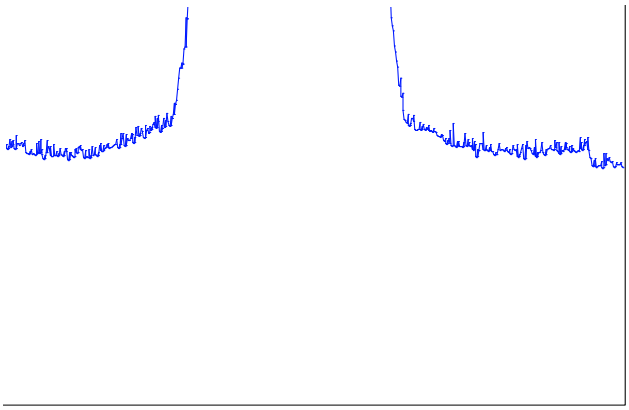
LTE band 66, 10MHz (-26dBc)

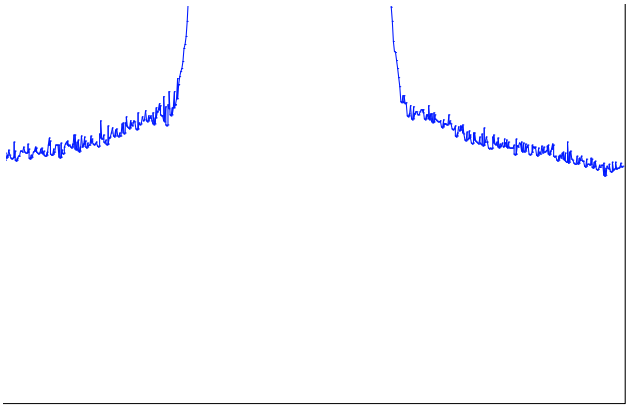
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	9855.77	9903.85

LTE band 66, 10MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:24:43

LTE band 66, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:25:23

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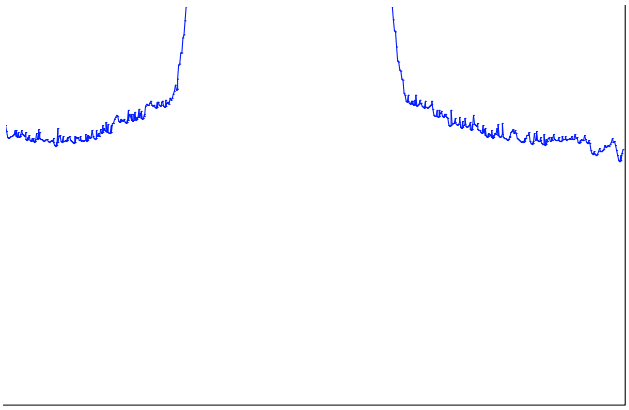
LTE band 66, 15MHz (-26dBc)

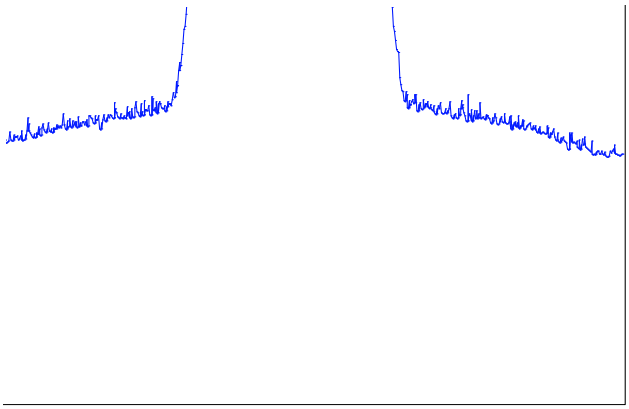
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	14927.88	15000.00

LTE band 66, 15MHz Bandwidth, QPSK (-26dBc BW)



Date: 24.MAR.2023 14:26:09

LTE band 66, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:26:49

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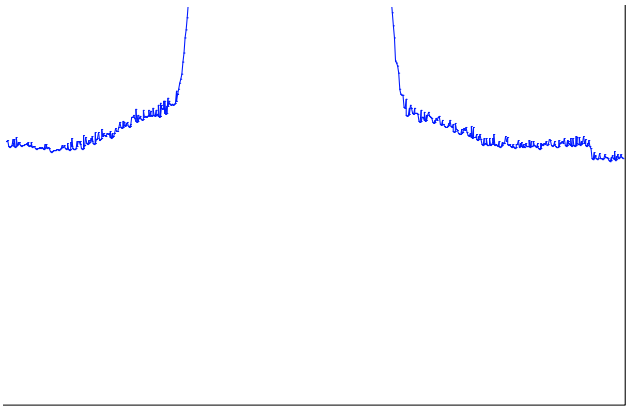
LTE band 66, 20MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
1745.0	QPSK	16QAM
	19423.08	19711.54

LTE band 66, 20MHz Bandwidth, QPSK (-26dBc BW)



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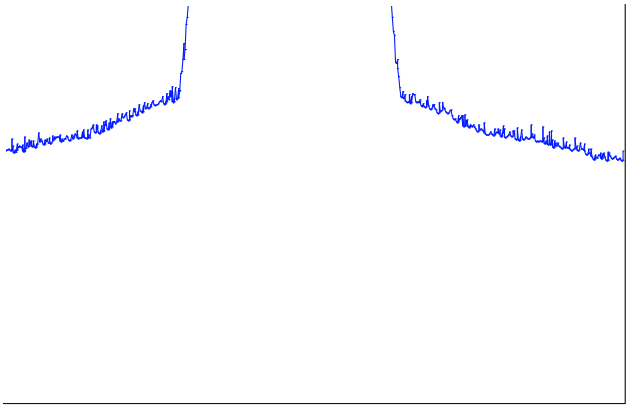
LTE band 66, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 24.MAR.2023 14:28:15

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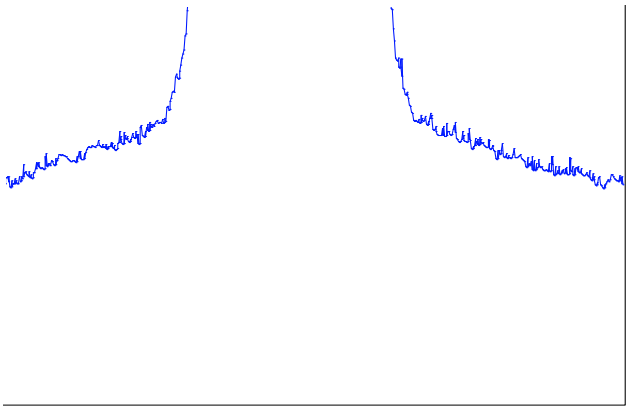
LTE band 71, 5MHz (-26dBc)

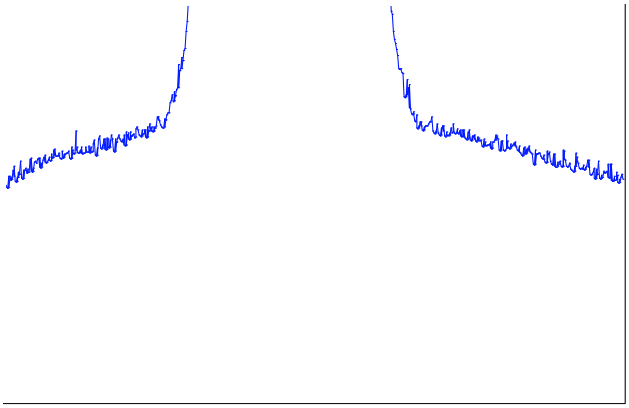
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
680.5	QPSK	16QAM
	5024.04	5048.08

LTE band 71, 5MHz Bandwidth, QPSK (-26dBc BW)



Date: 21.MAR.2023 17:33:36

LTE band 71, 5MHz Bandwidth, 16QAM (-26dBc BW)



Date: 21.MAR.2023 17:34:16

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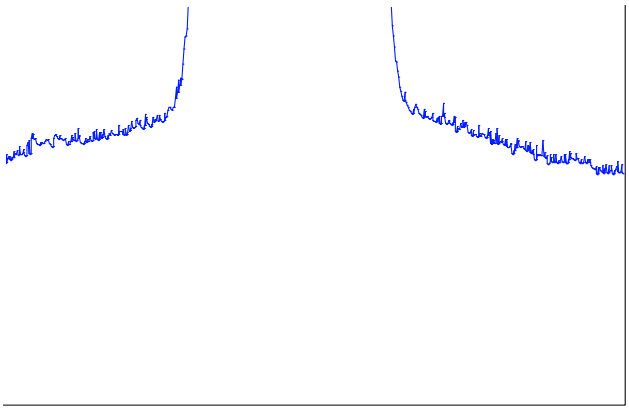
LTE band 71, 10MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
680.5	QPSK	16QAM
	9759.62	9807.69

LTE band 71, 10MHz Bandwidth, QPSK (-26dBc BW)



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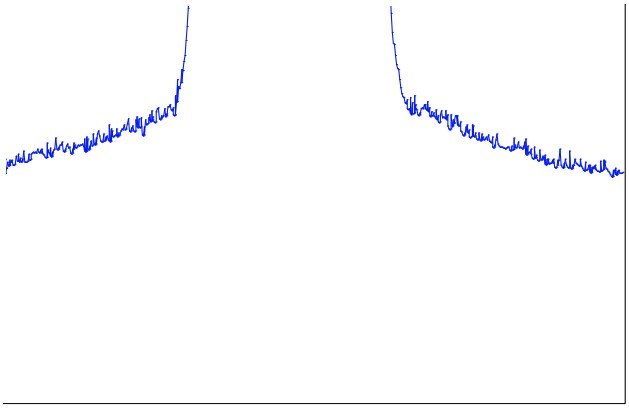
LTE band 71, 10MHz Bandwidth, 16QAM (-26dBc BW)



Date: 21.MAR.2023 17:35:42

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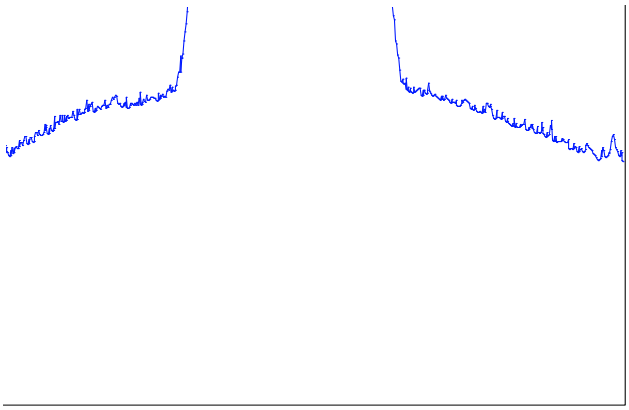
LTE band 71, 15MHz (-26dBc)

Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
680.5	QPSK	16QAM
	14927.88	14783.65

LTE band 71, 15MHz Bandwidth, QPSK (-26dBc BW)



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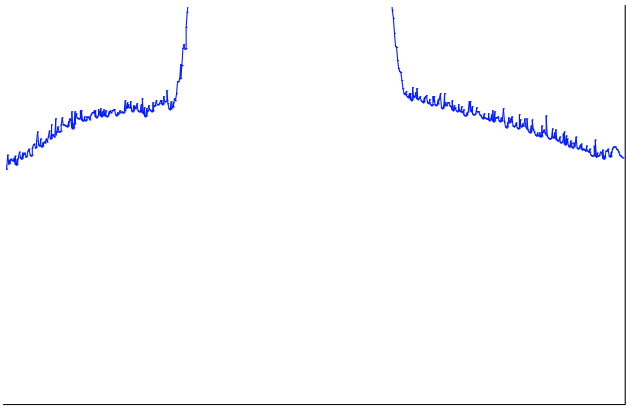
LTE band 71, 15MHz Bandwidth, 16QAM (-26dBc BW)



Date: 21.MAR.2023 17:37:08

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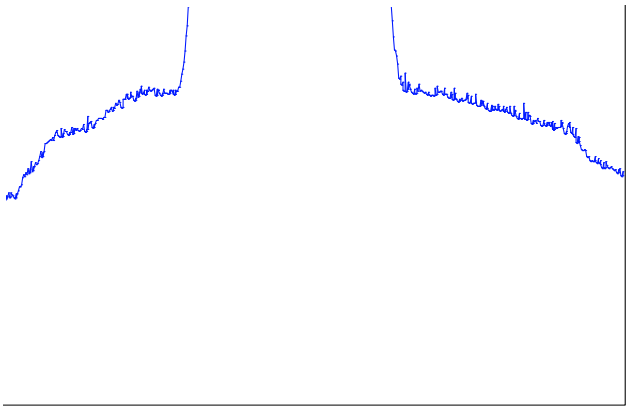
LTE band 71, 20MHz (-26dBc)

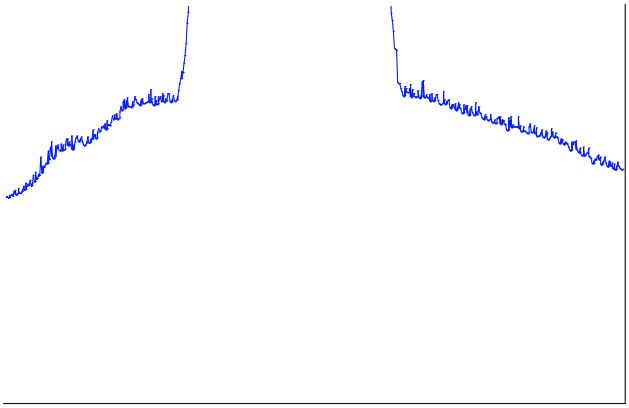
Frequency(MHz)	Emission Bandwidth (-26dBc)(kHz)	
680.5	QPSK	16QAM
	19326.92	19423.08

LTE band 71, 20MHz Bandwidth, QPSK (-26dBc BW)



Date: 21.MAR.2023 17:37:54

LTE band 71, 20MHz Bandwidth, 16QAM (-26dBc BW)



Date: 21.MAR.2023 17:38:34

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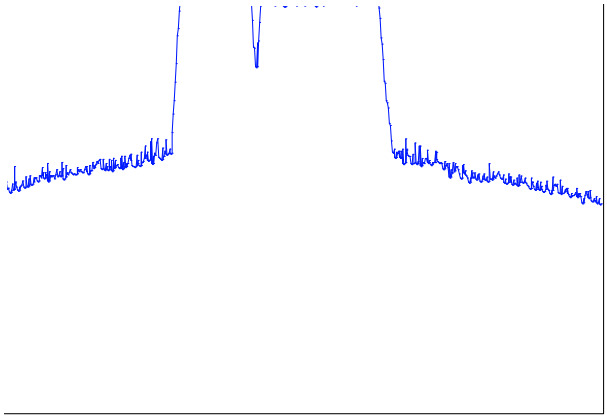
LTE CA band 5B,3MHz+5MHz(-26dBc)

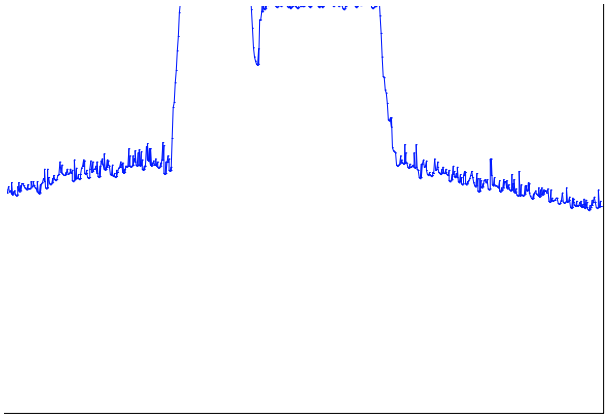
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
836.5	8.038	8.077

LTE CA band 5B , 3MHz+5MHz Bandwidth,QPSK (-26dBc BW)



Date: 24.MAR.2023 09:19:15

LTE CA band 5B , 3MHz+5MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 09:19:38

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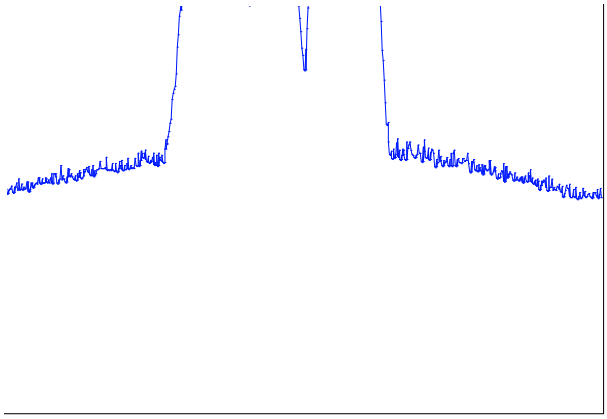
LTE CA band 5B,5MHz+3MHz(-26dBc)

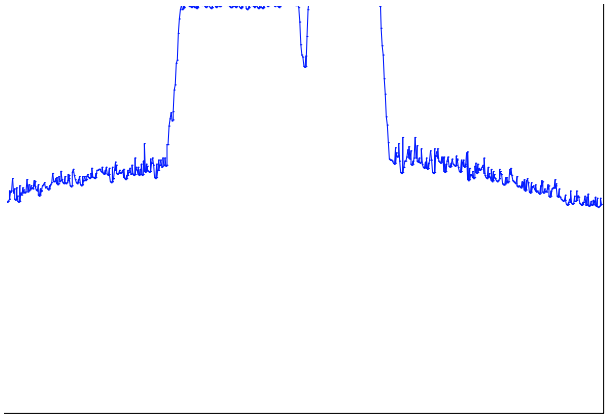
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
836.5	8.000	8.000

LTE CA band 5B , 5MHz+3MHz Bandwidth,QPSK (-26dBc BW)



Date: 24.MAR.2023 09:20:39

LTE CA band 5B , 5MHz+3MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 09:21:02

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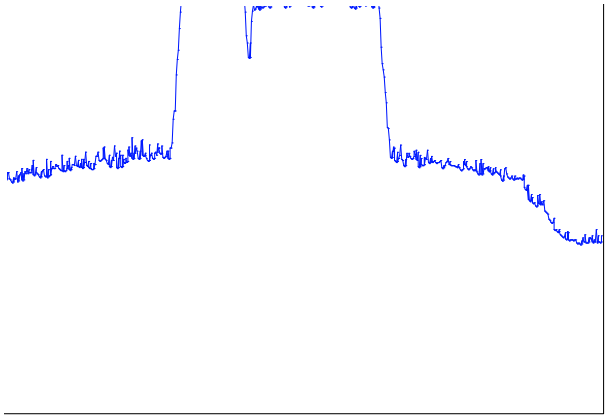
LTE CA band 5B,5MHz+10MHz(-26dBc)

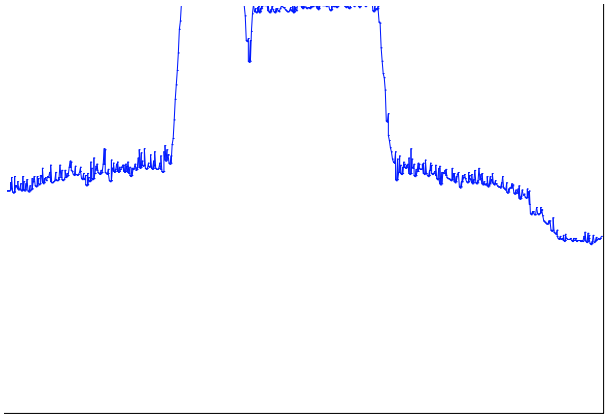
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
836.5	14.856	14.928

LTE CA band 5B , 5MHz+10MHz Bandwidth,QPSK (-26dBc BW)



Date: 24.MAR.2023 09:22:02

LTE CA band 5B , 5MHz+10MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 09:22:26

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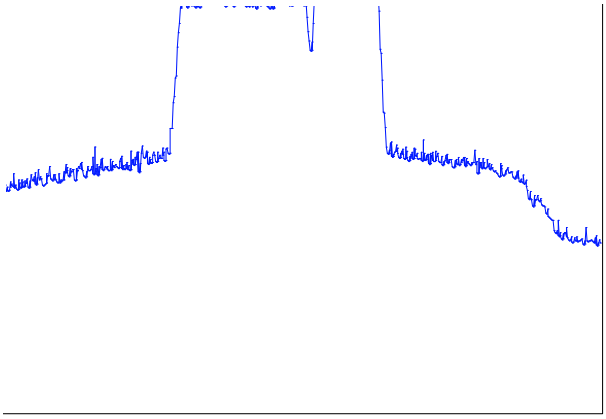
LTE CA band 5B,10MHz+5MHz(-26dBc)

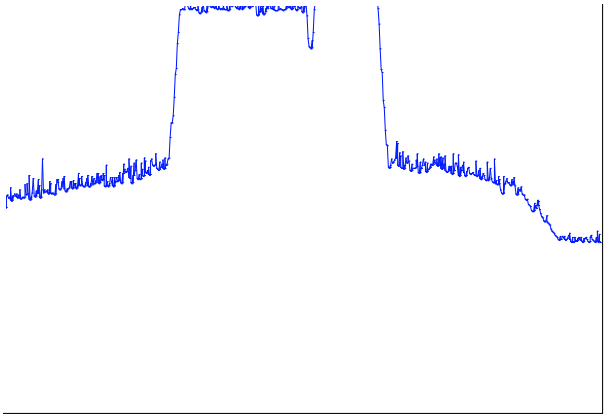
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
836.5	14.784	14.784

LTE CA band 5B , 10MHz+5MHz Bandwidth,QPSK (-26dBc BW)



Date: 24.MAR.2023 09:23:27

LTE CA band 5B , 10MHz+5MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 09:23:50

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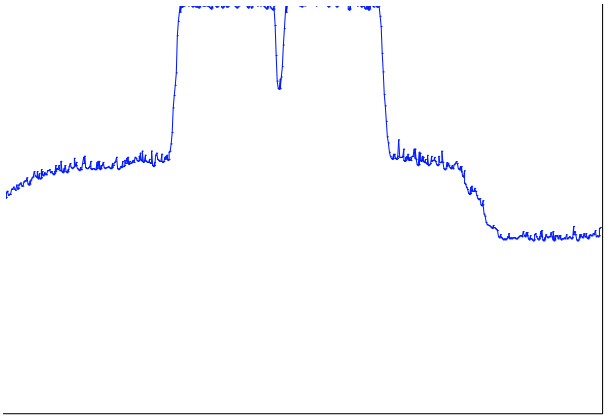
LTE CA band 5B,10MHz+10MHz(-26dBc)

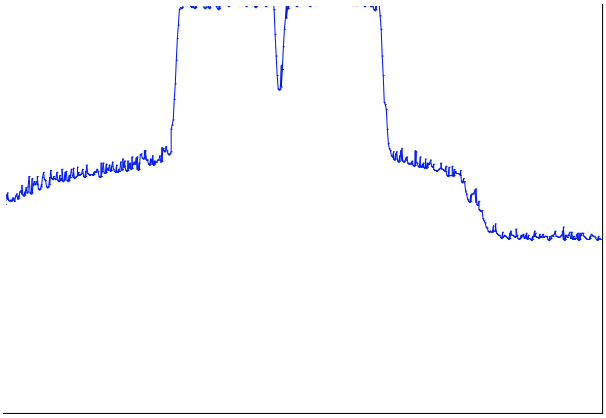
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
836.5	19.904	20.000

LTE CA band 5B , 10MHz+10MHz Bandwidth,QPSK (-26dBc BW)



Date: 24.MAR.2023 09:24:50

LTE CA band 5B , 10MHz+10MHz Bandwidth,16QAM (-26dBc BW)



Date: 24.MAR.2023 09:25:14

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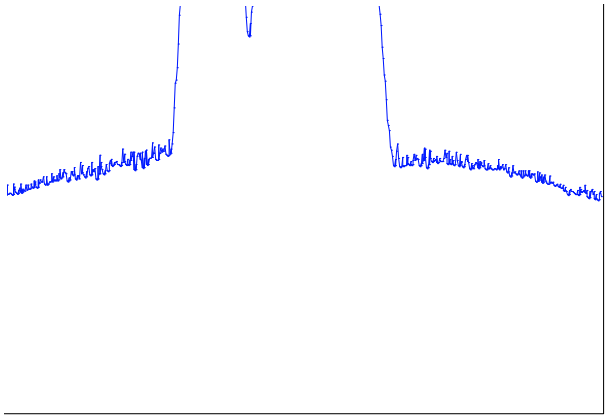
LTE CA band 7C,10MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2535	29.856	29.712

LTE CA band 7C , 10MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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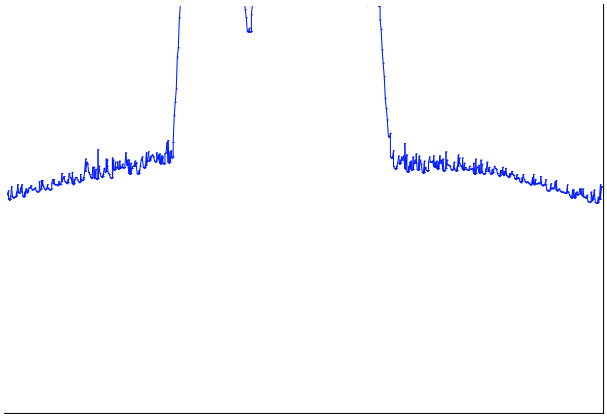
LTE CA band 7C , 10MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:24:12

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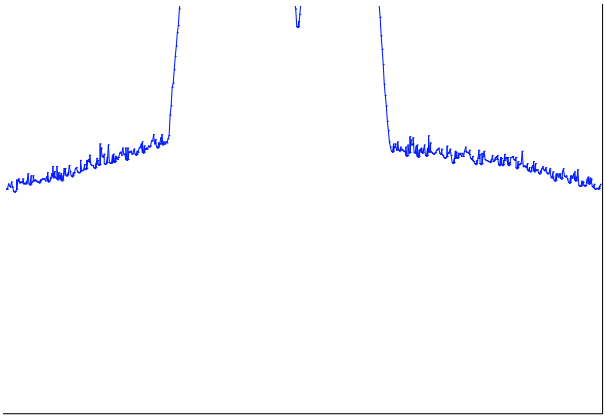
LTE CA band 7C,15MHz+10MHz(-26dBc)

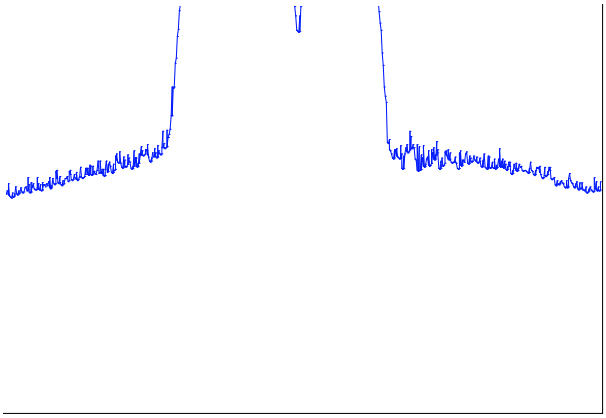
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2535	25.240	25.240

LTE CA band 7C , 15MHz+10MHz Bandwidth,QPSK (-26dBc BW)



Date: 23.MAR.2023 22:25:13

LTE CA band 7C , 15MHz+10MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:25:37

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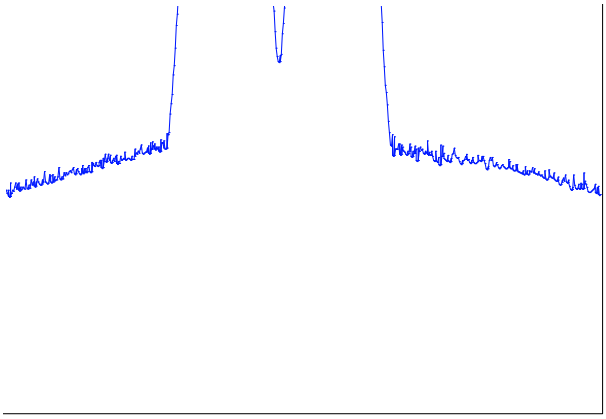
LTE CA band 7C,15MHz+15MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2535	30.577	30.433

LTE CA band 7C , 15MHz+15MHz Bandwidth,QPSK (-26dBc BW)



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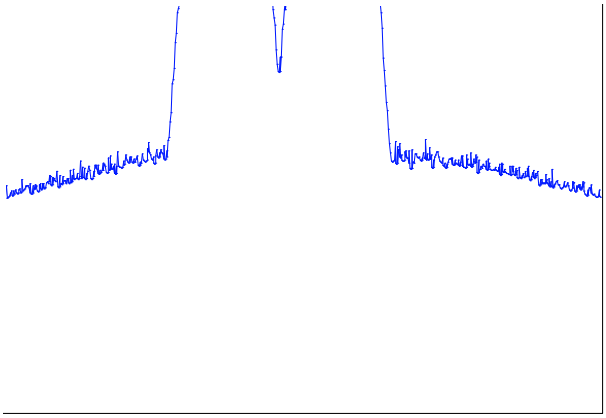
LTE CA band 7C , 15MHz+15MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:27:01

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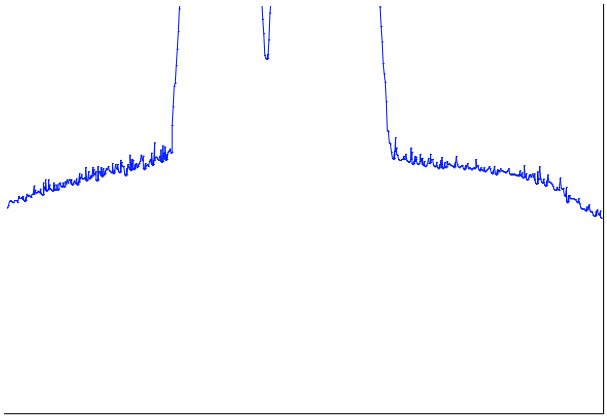
LTE CA band 7C,15MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2535	35.000	35.000

LTE CA band 7C , 15MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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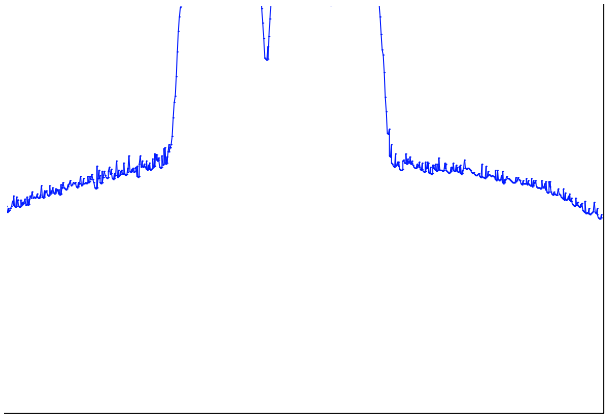
LTE CA band 7C , 15MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:28:25

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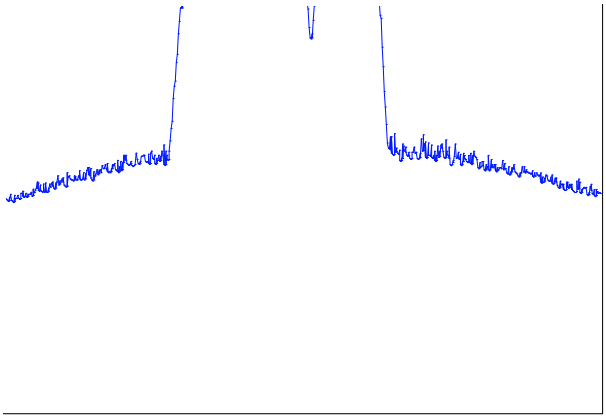
LTE CA band 7C,20MHz+10MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2535	29.856	29.856

LTE CA band 7C , 20MHz+10MHz Bandwidth,QPSK (-26dBc BW)



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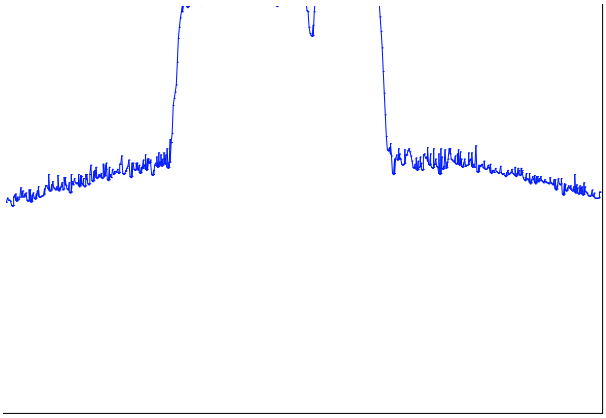
LTE CA band 7C , 20MHz+10MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:29:50

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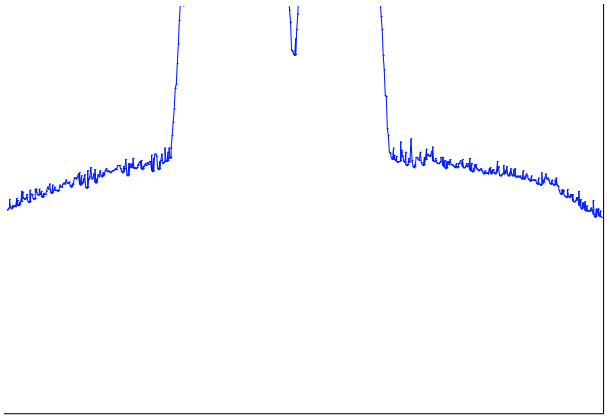
LTE CA band 7C,20MHz+15MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2535	34.832	34.832

LTE CA band 7C , 20MHz+15MHz Bandwidth,QPSK (-26dBc BW)



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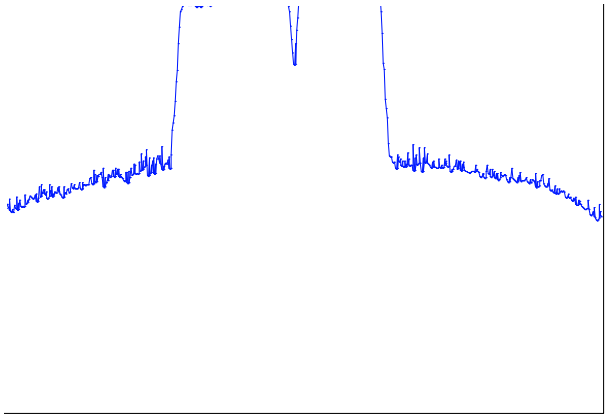
LTE CA band 7C , 20MHz+15MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:31:14

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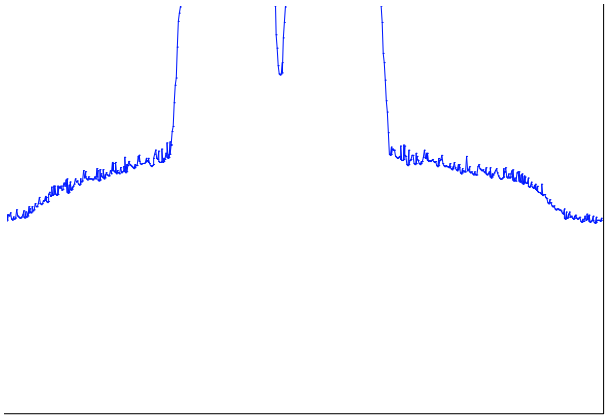
LTE CA band 7C,20MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2535	40.000	40.192

LTE CA band 7C , 20MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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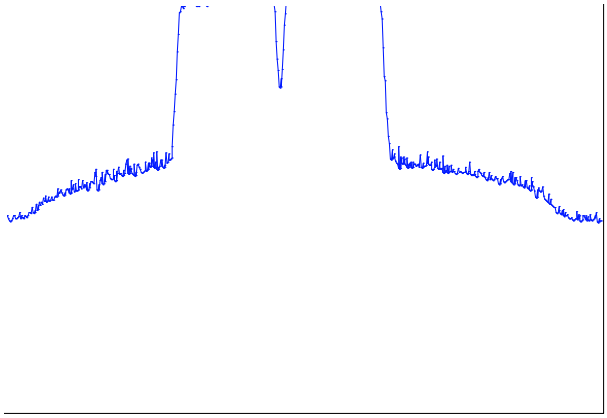
LTE CA band 7C , 20MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:32:38

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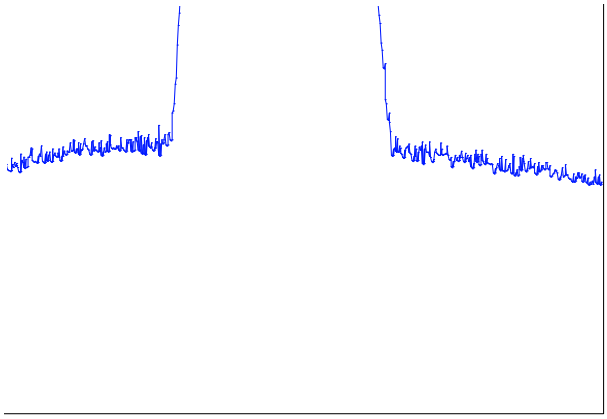
LTE CA band 41C,5MHz+20MHz(-26dBc)

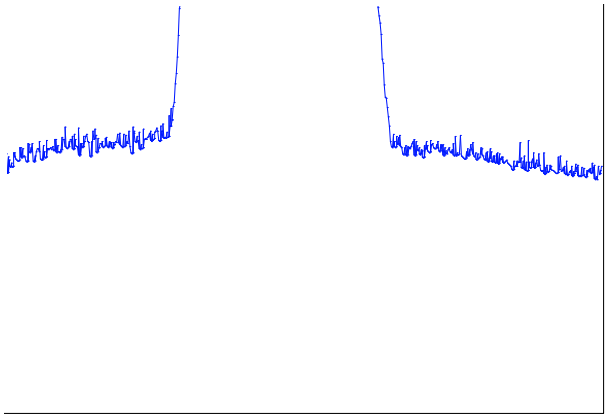
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2593	24.639	24.519

LTE CA band 41C , 5MHz+20MHz Bandwidth,QPSK (-26dBc BW)



Date: 24.MAR.2023 00:48:11

LTE CA band 41C , 5MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:34:19

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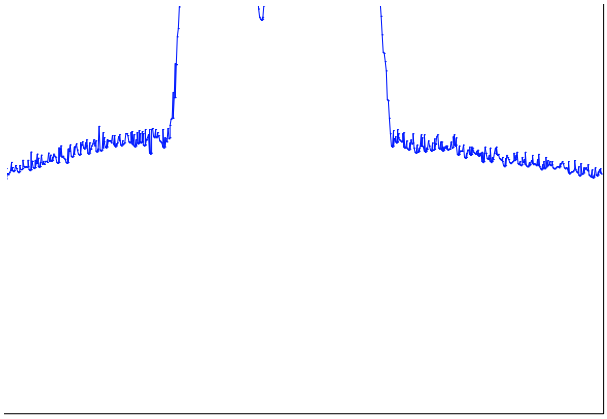
LTE CA band 41C,10MHz+15MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2593	25.120	25.120

LTE CA band 41C , 10MHz+15MHz Bandwidth,QPSK (-26dBc BW)



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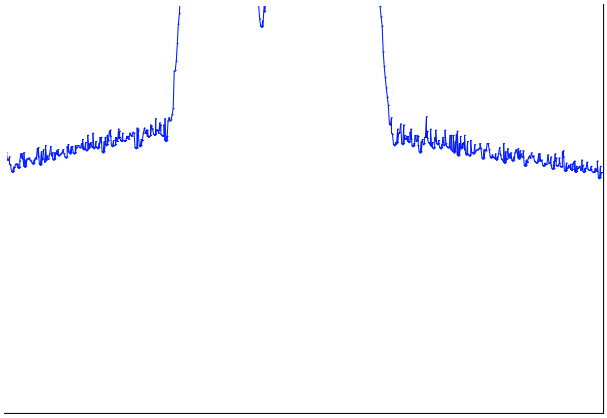
LTE CA band 41C , 10MHz+15MHz Bandwidth,16QAM (-26dBc BW)



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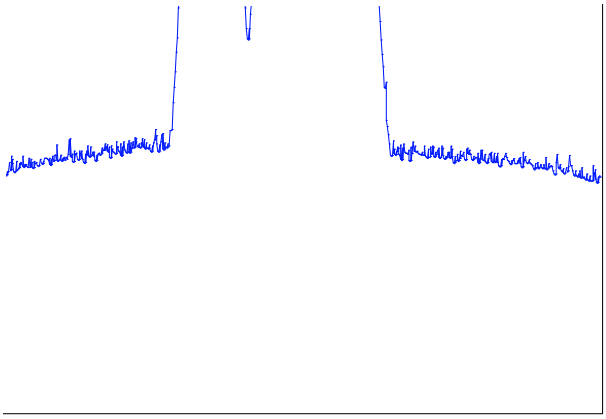
LTE CA band 41C,10MHz+20MHz(-26dBc)

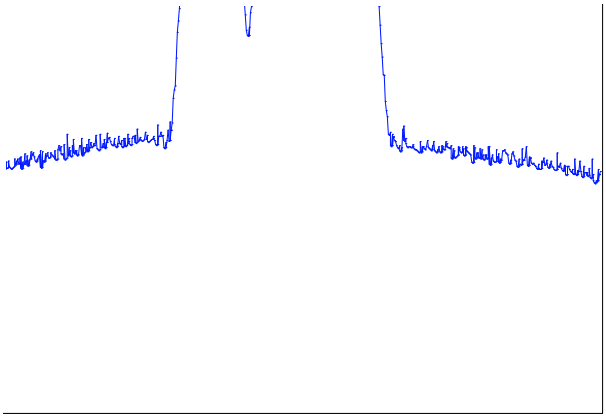
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2593	29.856	29.856

LTE CA band 41C , 10MHz+20MHz Bandwidth,QPSK (-26dBc BW)



Date: 23.MAR.2023 22:36:45

LTE CA band 41C , 10MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:37:08

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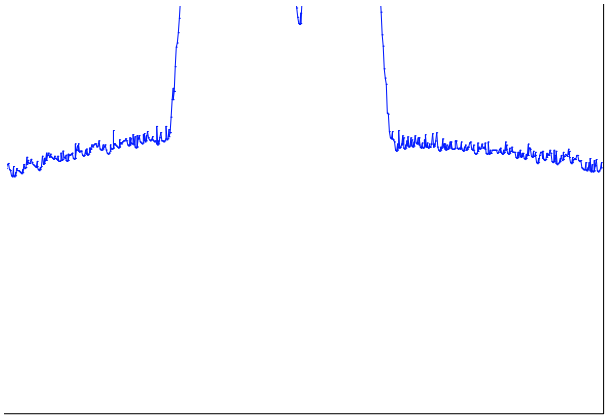
LTE CA band 41C,15MHz+10MHz(-26dBc)

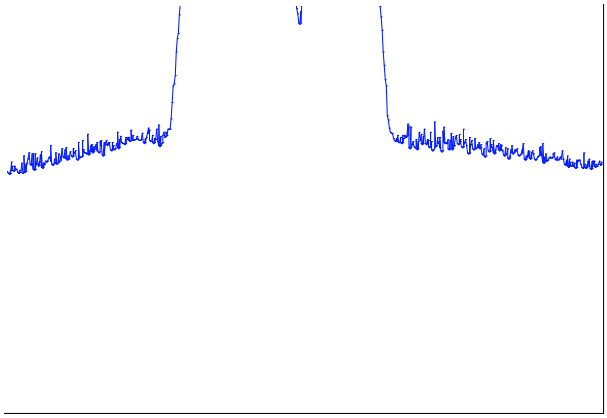
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2593	25.240	25.120

LTE CA band 41C , 15MHz+10MHz Bandwidth,QPSK (-26dBc BW)



Date: 23.MAR.2023 22:38:10

LTE CA band 41C , 15MHz+10MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:38:33

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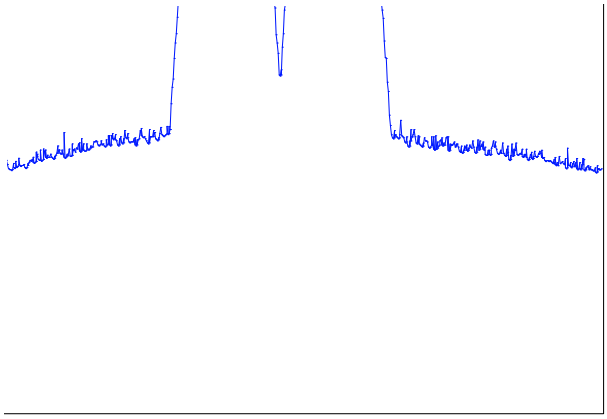
LTE CA band 41C,15MHz+15MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2593	30.577	30.721

LTE CA band 41C , 15MHz+15MHz Bandwidth,QPSK (-26dBc BW)



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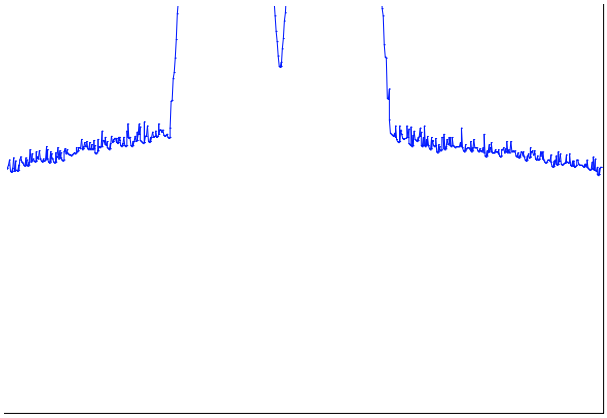
LTE CA band 41C, 15MHz+15MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:39:57

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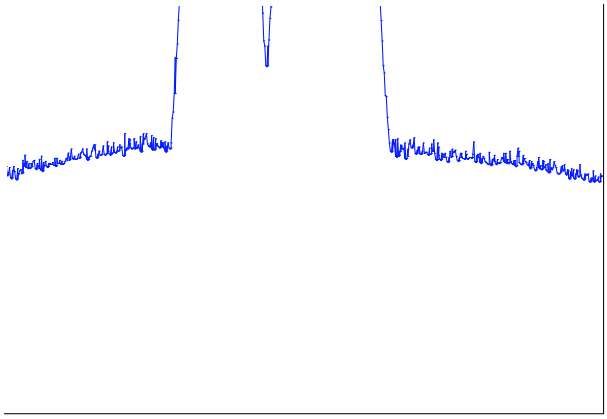
LTE CA band 41C,15MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2593	35.000	34.832

LTE CA band 41C, 15MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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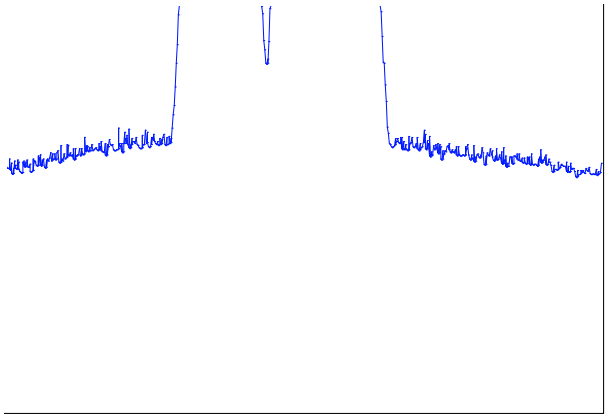
LTE CA band 41C, 15MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:41:20

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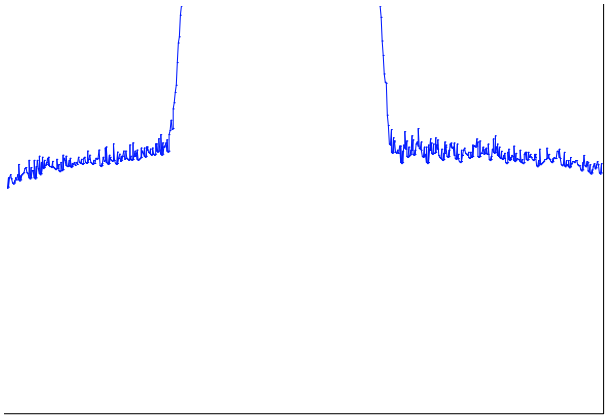
LTE CA band 41C,20MHz+5MHz(-26dBc)

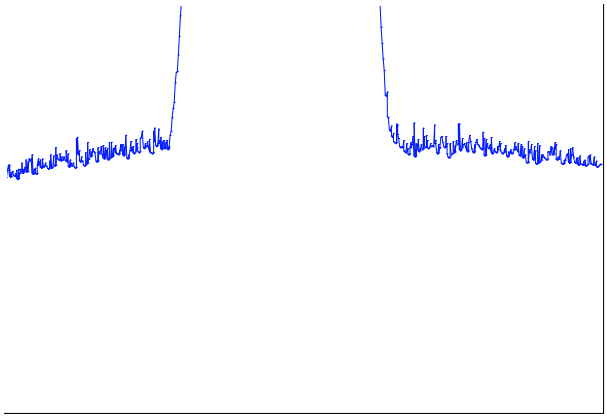
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2593	24.760	24.639

LTE CA band 41C , 20MHz+5MHz Bandwidth,QPSK (-26dBc BW)



Date: 23.MAR.2023 22:42:22

LTE CA band 41C , 20MHz+5MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:42:45

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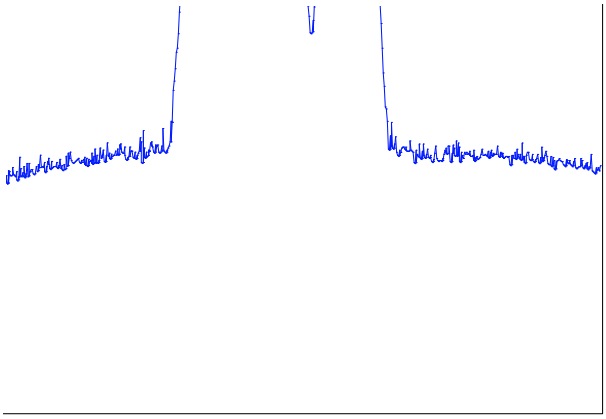
LTE CA band 41C,20MHz+10MHz(-26dBc)

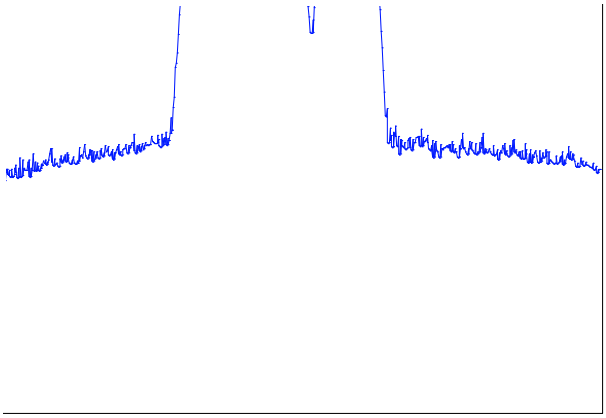
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2593	29.856	29.567

LTE CA band 41C, 20MHz+10MHz Bandwidth,QPSK (-26dBc BW)



Date: 23.MAR.2023 22:43:45

LTE CA band 41C, 20MHz+10MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:44:09

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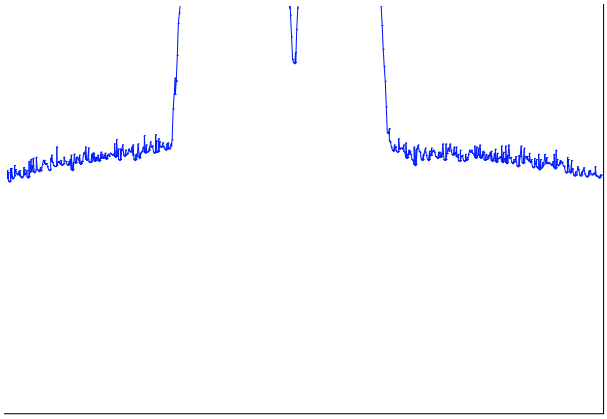
LTE CA band 41C,20MHz+15MHz(-26dBc)

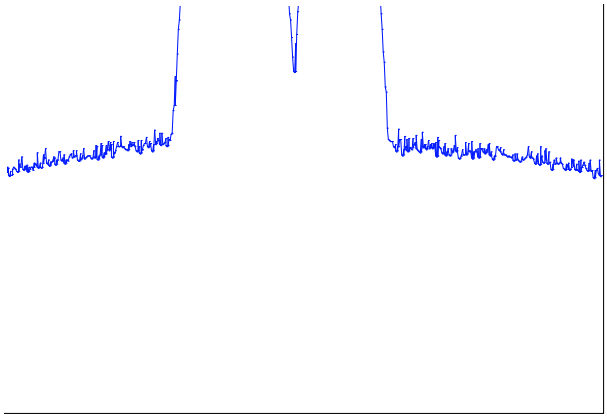
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2593	35.000	34.832

LTE CA band 41C, 20MHz+15MHz Bandwidth,QPSK (-26dBc BW)



Date: 23.MAR.2023 22:45:09

LTE CA band 41C, 20MHz+15MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:45:32

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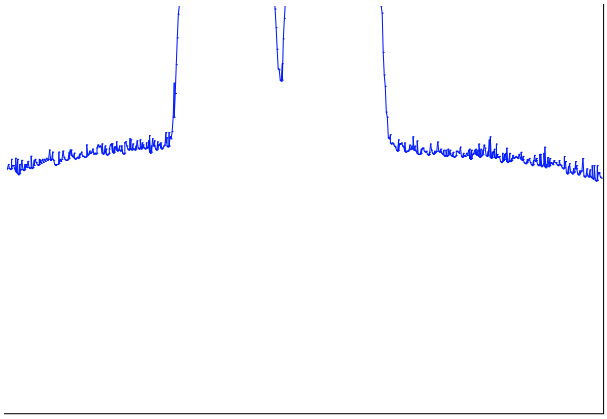
LTE CA band 41C,20MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
2593	40.000	39.808

LTE CA band 41C , 20MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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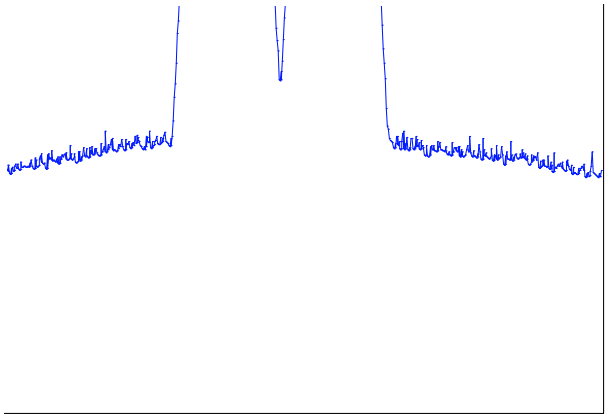
LTE CA band 41C, 20MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:46:56

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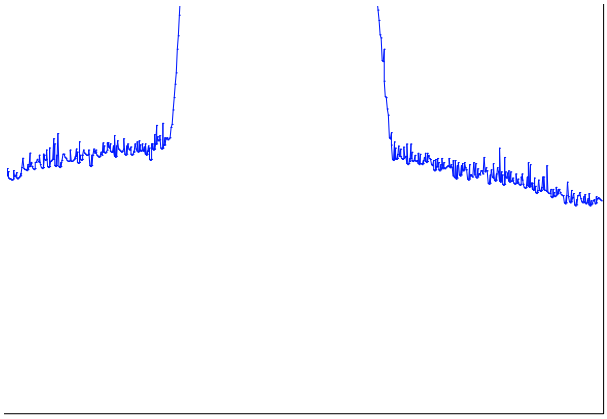
LTE CA band 48C,5MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625	24.760	24.760

LTE CA band 48C , 5MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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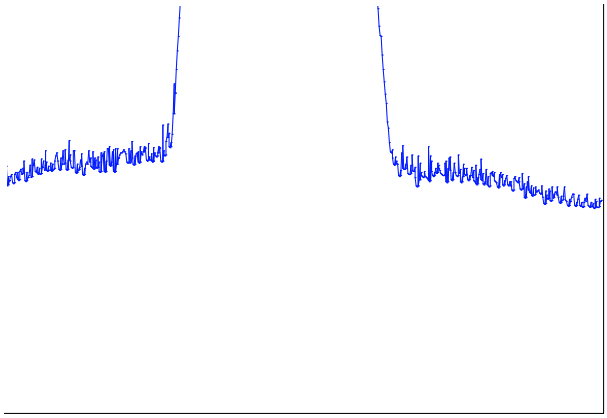
LTE CA band 48C, 5MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:48:23

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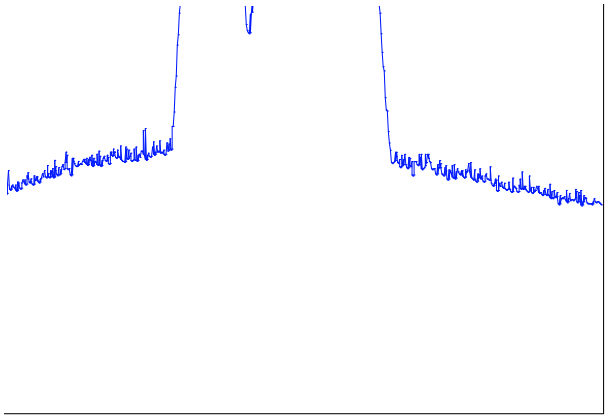
LTE CA band 48C,10MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625	29.712	29.712

LTE CA band 48C , 10MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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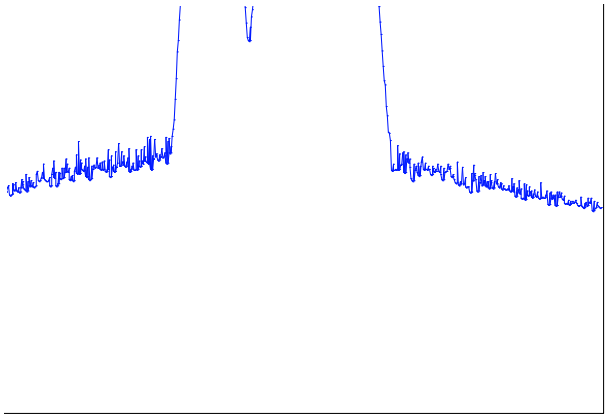
LTE CA band 48C, 10MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:49:45

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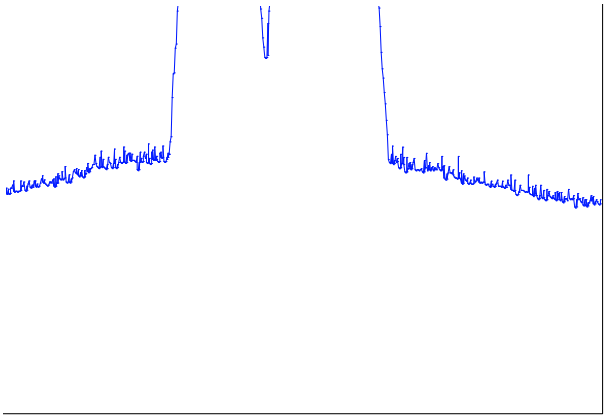
LTE CA band 48C,15MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625	35.000	34.663

LTE CA band 48C , 15MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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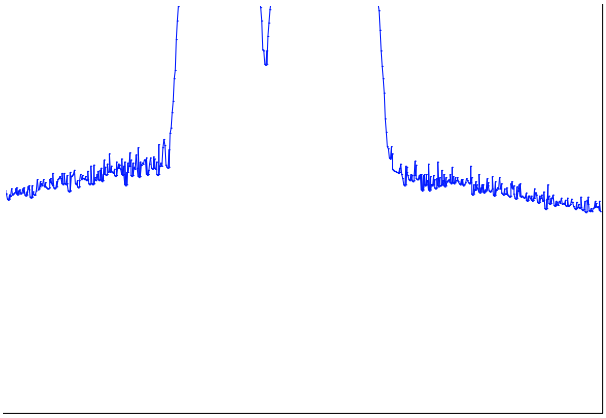
LTE CA band 48C, 15MHz+20MHz Bandwidth,16QAM (-26dBc BW)



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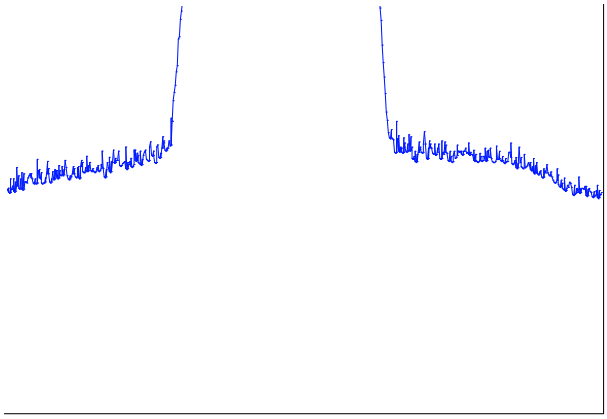
LTE CA band 48C,20MHz+5MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625	24.760	24.760

LTE CA band 48C , 20MHz+5MHz Bandwidth,QPSK (-26dBc BW)



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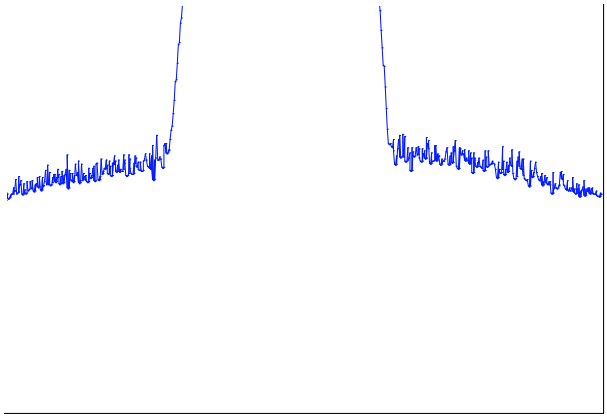
LTE CA band 48C , 20MHz+5MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:52:32

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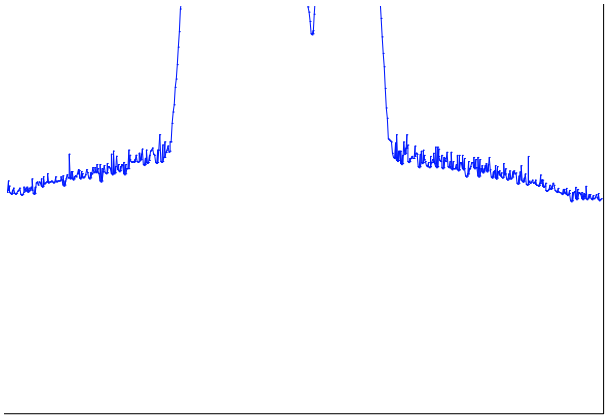
LTE CA band 48C,20MHz+10MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625	29.856	29.856

LTE CA band 48C , 20MHz+10MHz Bandwidth,QPSK (-26dBc BW)



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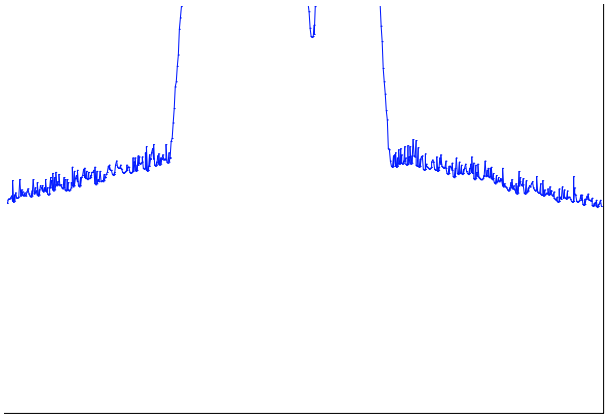
LTE CA band 48C , 20MHz+10MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:53:56

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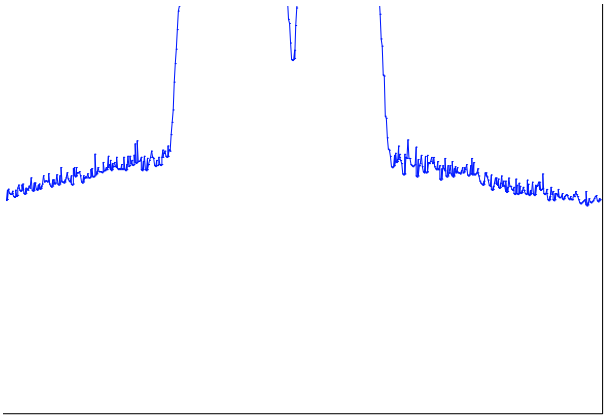
LTE CA band 48C,20MHz+15MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625	34.832	34.832

LTE CA band 48C , 20MHz+15MHz Bandwidth,QPSK (-26dBc BW)



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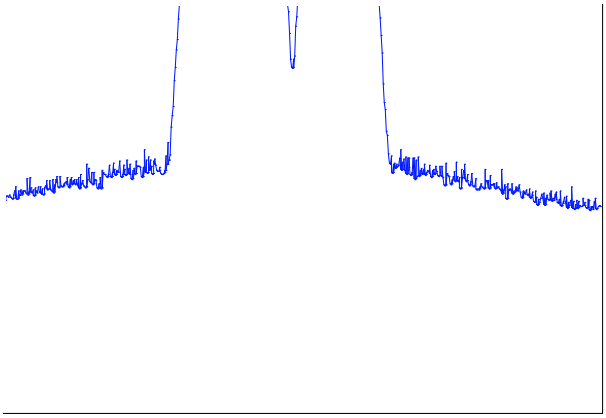
LTE CA band 48C , 20MHz+15MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:55:20

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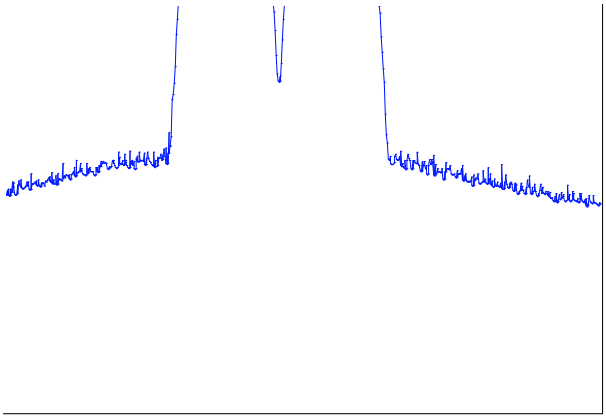
LTE CA band 48C,20MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
3625	40.000	40.000

LTE CA band 48C , 20MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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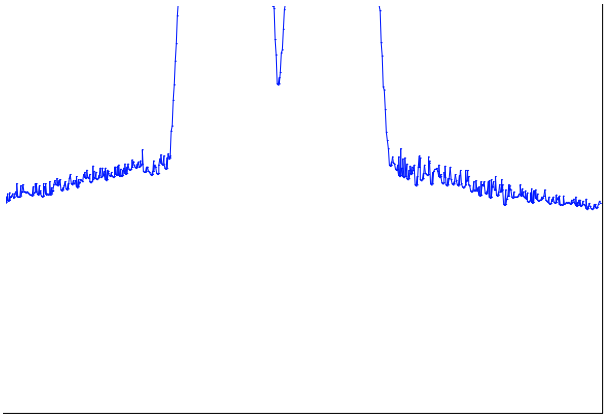
LTE CA band 48C , 20MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 22:56:44

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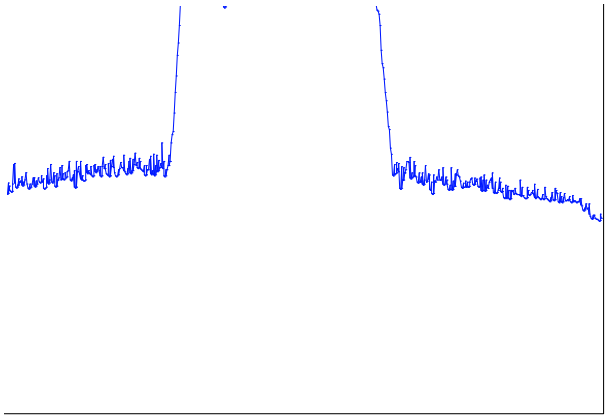
LTE CA band 66C,5MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
1755	24.760	24.760

LTE CA band 66C , 5MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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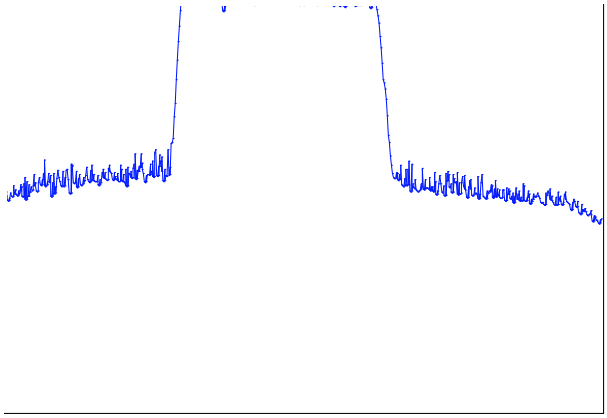
LTE CA band 66C , 5MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 23:07:00

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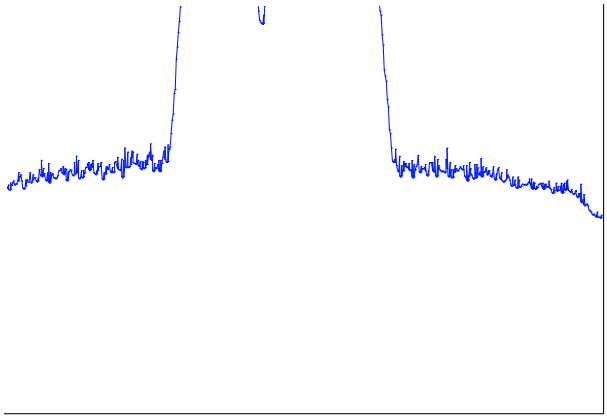
LTE CA band 66C,10MHz+15MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
1755	25.120	25.000

LTE CA band 66C , 10MHz+15MHz Bandwidth,QPSK (-26dBc BW)



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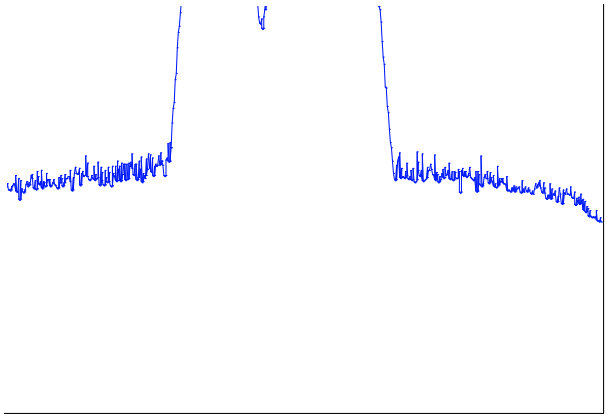
LTE CA band 66C , 10MHz+15MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 23:08:25

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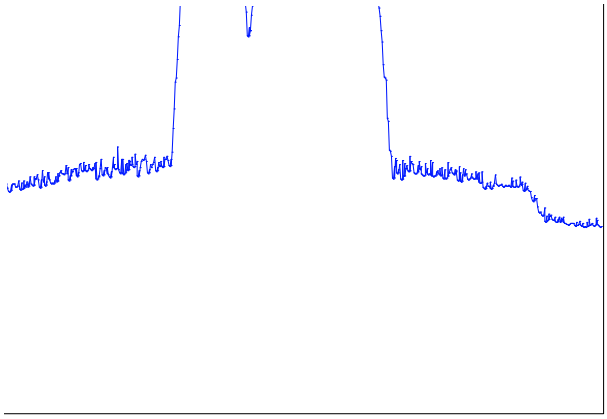
LTE CA band 66C,10MHz+20MHz(-26dBc)

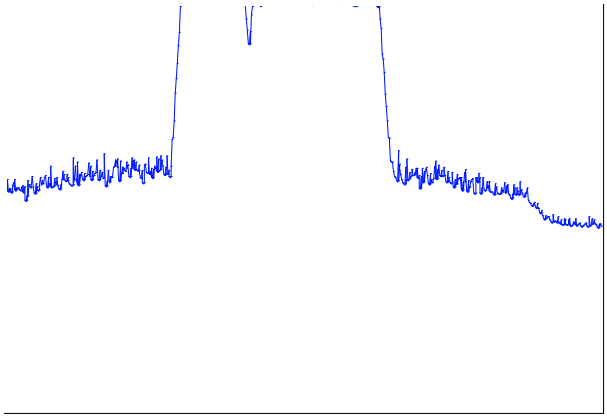
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
1755	30.000	29.856

LTE CA band 66C , 10MHz+20MHz Bandwidth,QPSK (-26dBc BW)



Date: 23.MAR.2023 23:09:26

LTE CA band 66C , 10MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 23:09:49

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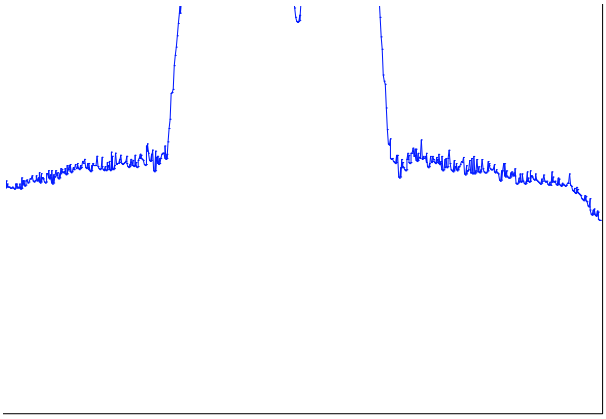
LTE CA band 66C,15MHz+10MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
1755	25.240	25.120

LTE CA band 66C , 15MHz+10MHz Bandwidth,QPSK (-26dBc BW)



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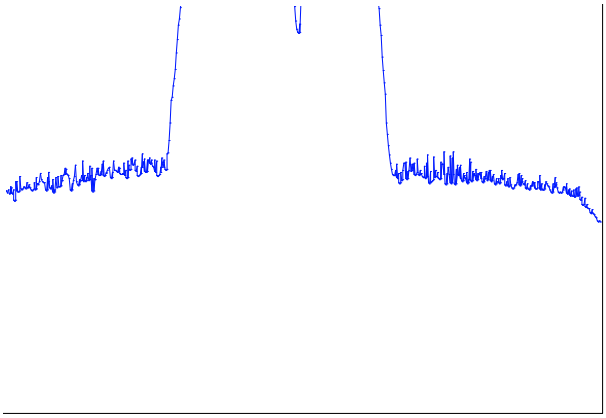
LTE CA band 66C , 15MHz+10MHz Bandwidth,16QAM (-26dBc BW)



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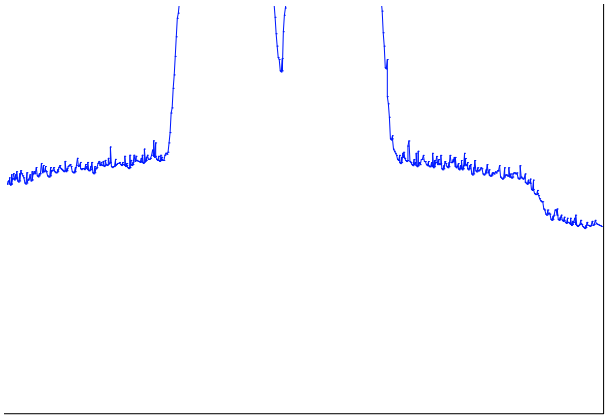
LTE CA band 66C,15MHz+15MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
1755	30.721	30.721

LTE CA band 66C , 15MHz+15MHz Bandwidth,QPSK (-26dBc BW)



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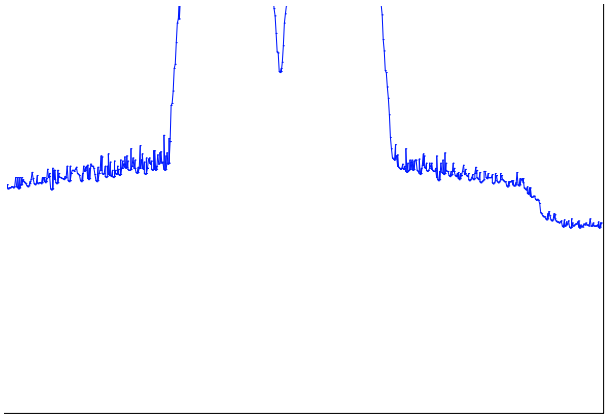
LTE CA band 66C , 15MHz+15MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 23:12:38

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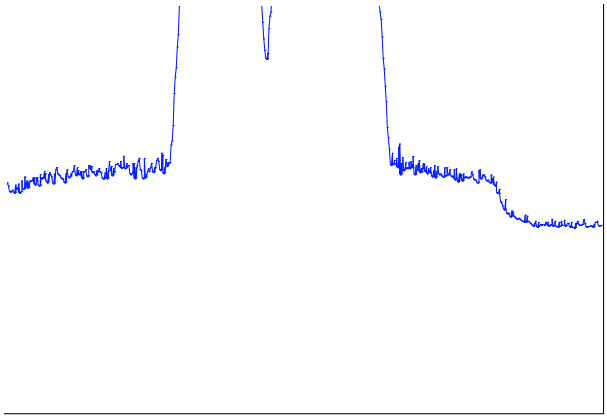
LTE CA band 66C,15MHz+20MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
1755	34.832	35.000

LTE CA band 66C , 15MHz+20MHz Bandwidth,QPSK (-26dBc BW)



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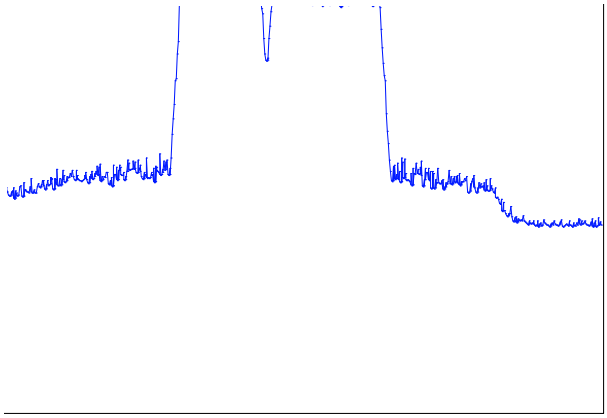
LTE CA band 66C , 15MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 23:14:06

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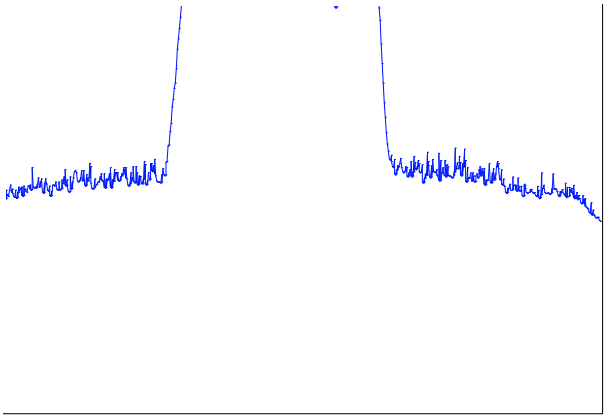
LTE CA band 66C,20MHz+5MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
1755	24.760	24.760

LTE CA band 66C , 20MHz+5MHz Bandwidth,QPSK (-26dBc BW)



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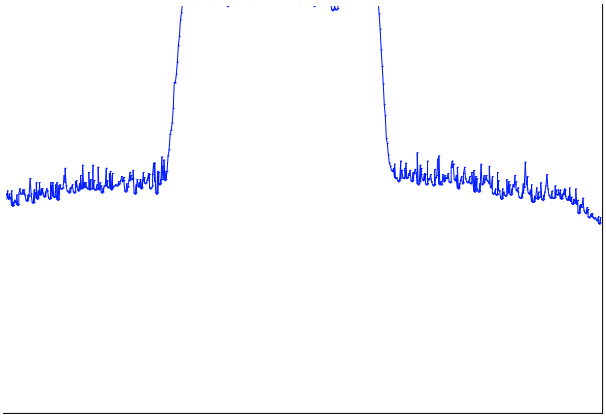
LTE CA band 66C , 20MHz+5MHz Bandwidth,16QAM (-26dBc BW)



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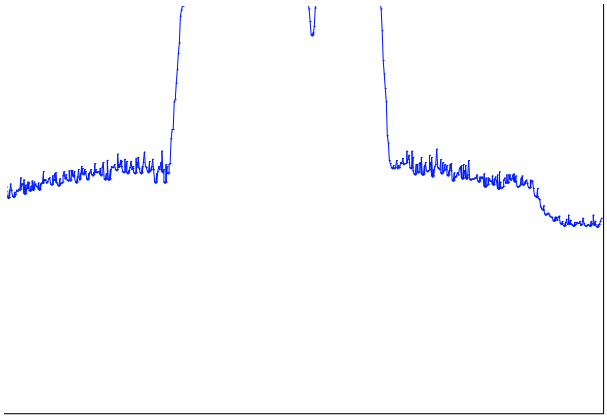
LTE CA band 66C,20MHz+10MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
1755	29.856	29.856

LTE CA band 66C , 20MHz+10MHz Bandwidth,QPSK (-26dBc BW)



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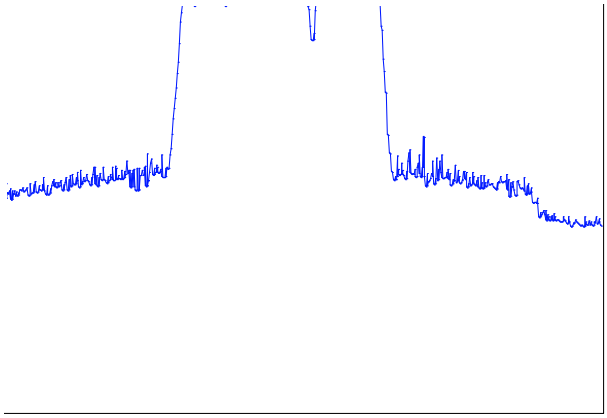
LTE CA band 66C , 20MHz+10MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 23:16:55

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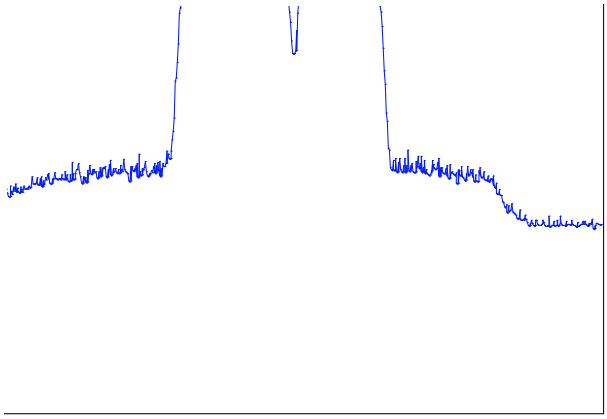
LTE CA band 66C,20MHz+15MHz(-26dBc)

Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
1755	34.832	35.000

LTE CA band 66C , 20MHz+15MHz Bandwidth,QPSK (-26dBc BW)



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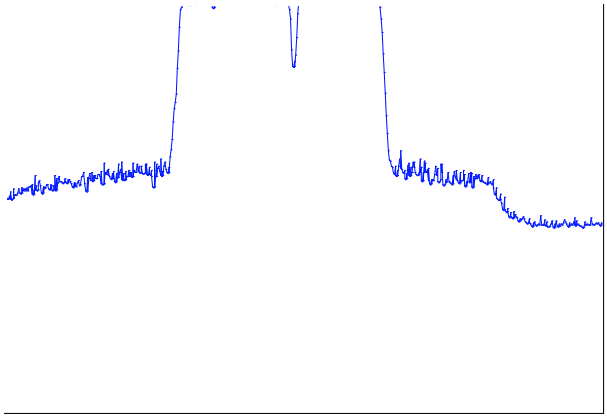
LTE CA band 66C , 20MHz+15MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 23:18:20

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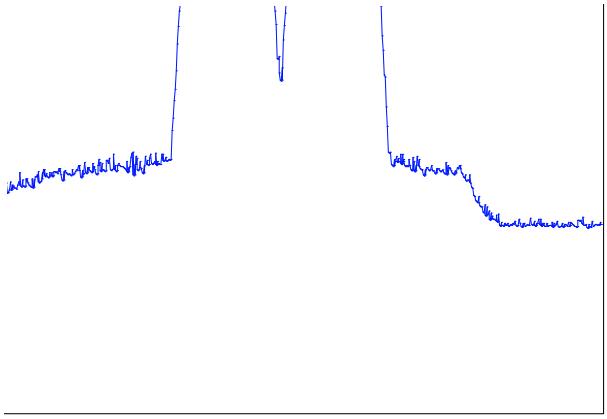
LTE CA band 66C,20MHz+20MHz(-26dBc)

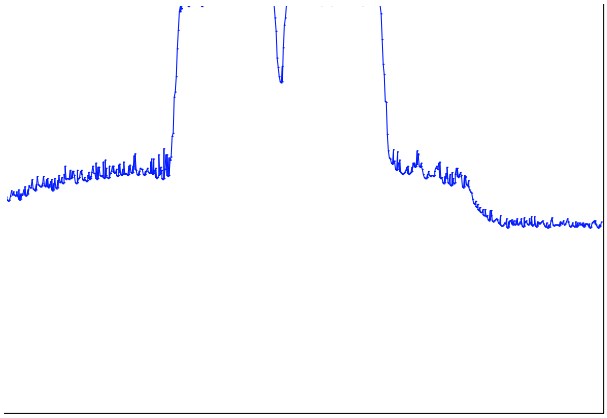
Frequency (MHz)	Occupied Bandwidth (-26dBc) (MHz)	
	QPSK	16QAM
1755	40.000	40.000

LTE CA band 66C , 20MHz+20MHz Bandwidth,QPSK (-26dBc BW)



Date: 23.MAR.2023 23:19:21

LTE CA band 66C , 20MHz+20MHz Bandwidth,16QAM (-26dBc BW)



Date: 23.MAR.2023 23:19:44

Note: Expanded measurement uncertainty is U = 3428 Hz, k = 2.

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A.6 Band Edge Compliance

A.6.1 Measurement limit

Part 22.917, Part 24.238 and Part 27.53(h) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Part 27.53(c) states for operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee’s frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee’s frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Part 27.53(a) states for mobile and portable stations operating in the 2305–2315 MHz and 2350–2360 MHz bands: By a factor of not less than: 43 +10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337MHz; By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288

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and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz; By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

Part 90.691 states that out-of-band emission requirement shall apply only to the ‘‘outer’’ channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:For any frequency removed from the EA licensee’s frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116Log_{10}(f/6.1)$ decibels or 50 + 10 $Log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz. For any frequency removed from the EA licensee’s frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + $10Log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

Part 96.41(e) states for channel and frequency assignments made by a CBSD to End User Devices, the conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed −13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed −25 dBm/MHz. Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB. The conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

The spectrum analyzer readings are corrected by [10 log (1/duty cycle)] for the non-continuous transmitting scenario.

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A.6.2 Measurement result

Only the worst case result is given below

LTE band 2

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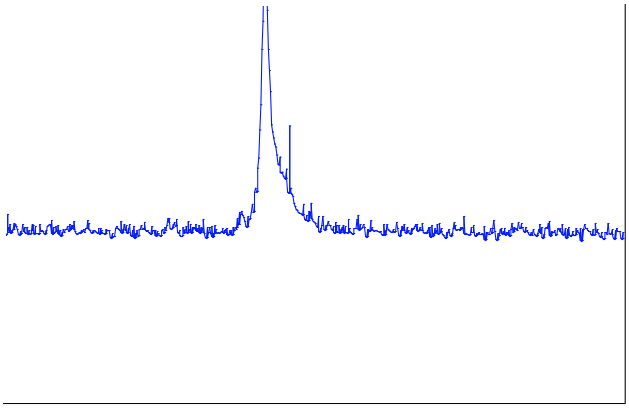

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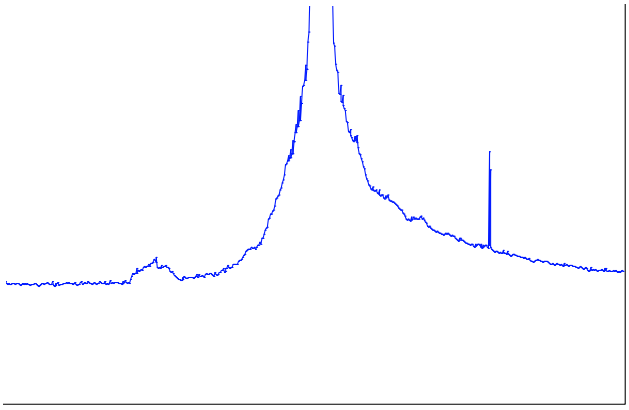
LOW BAND EDGE BLOCK-1RB-low_offset



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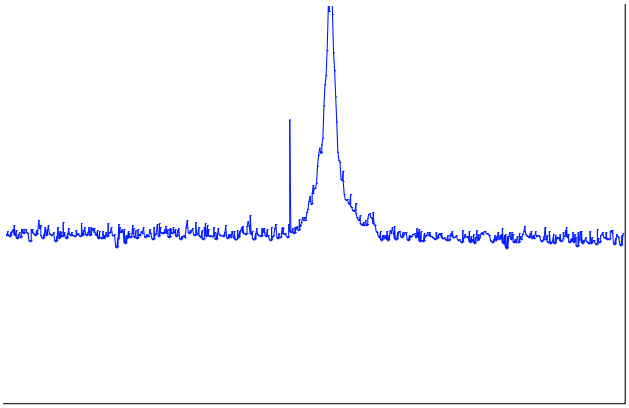

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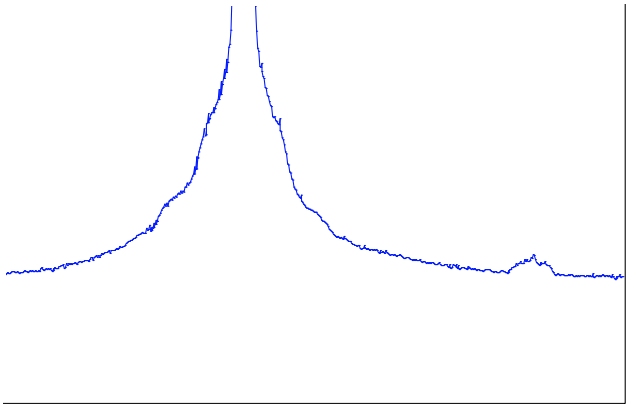

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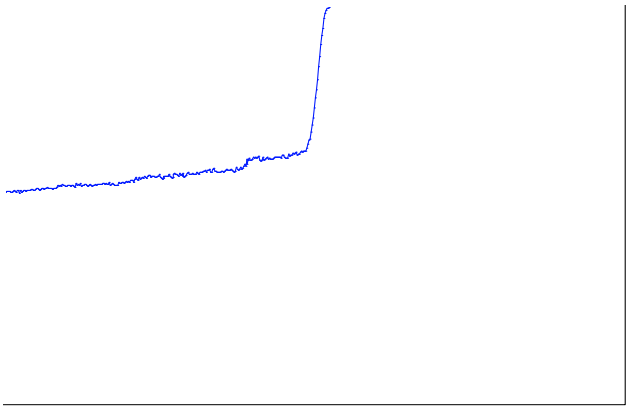
LOW BAND EDGE BLOCK-20MHz-100%RB



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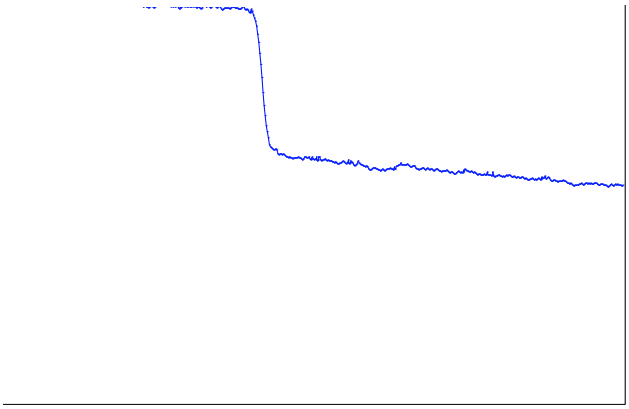

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LTE band 4

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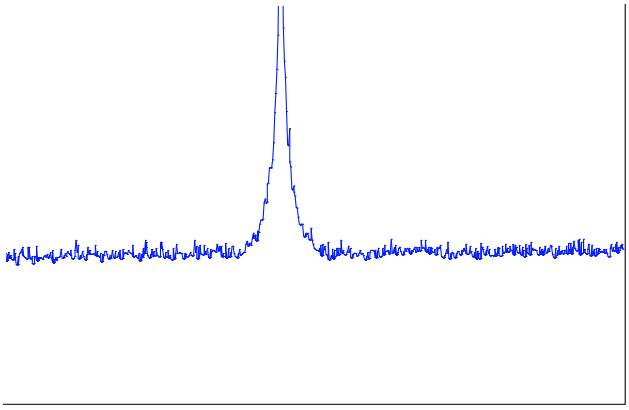

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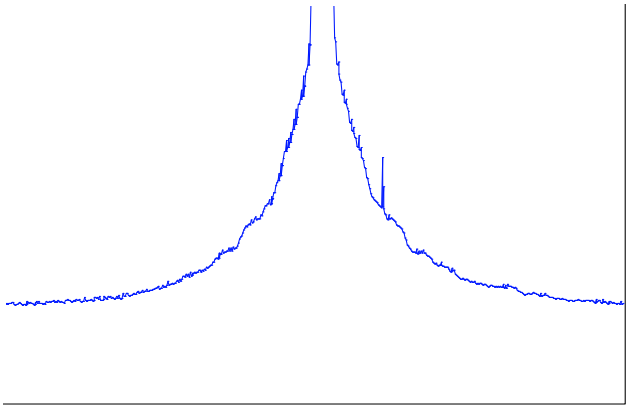

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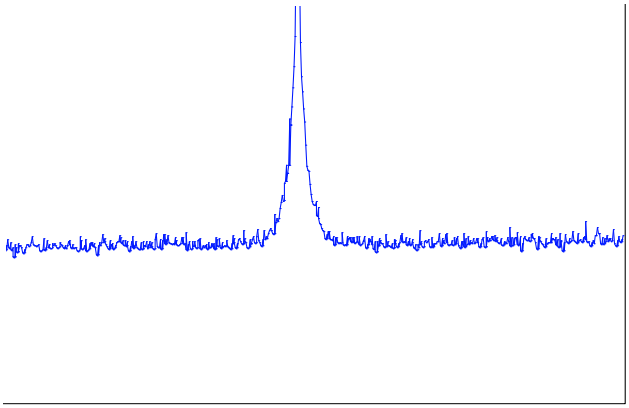

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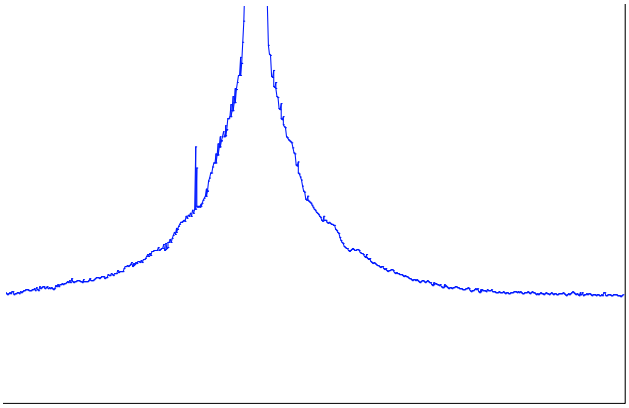

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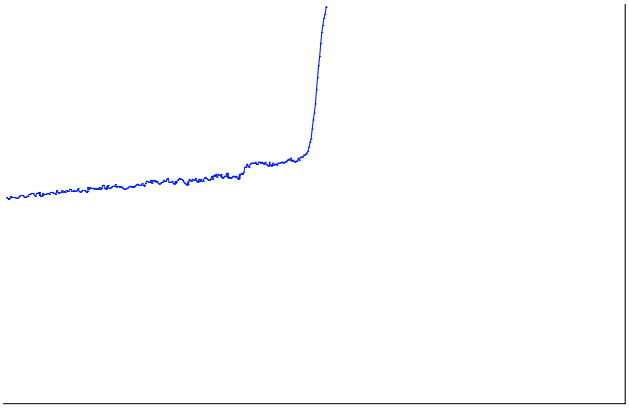
LOW BAND EDGE BLOCK-20MHz-100%RB



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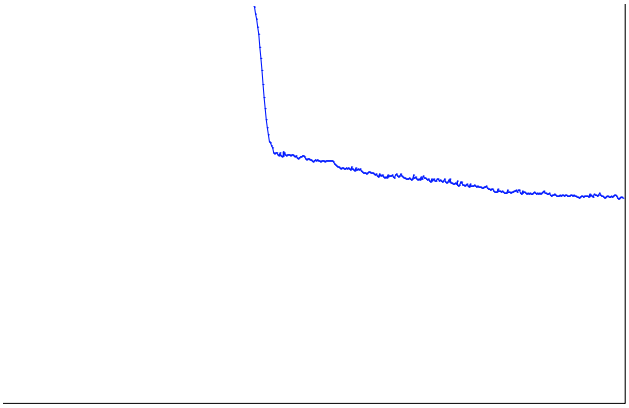

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LTE band 5

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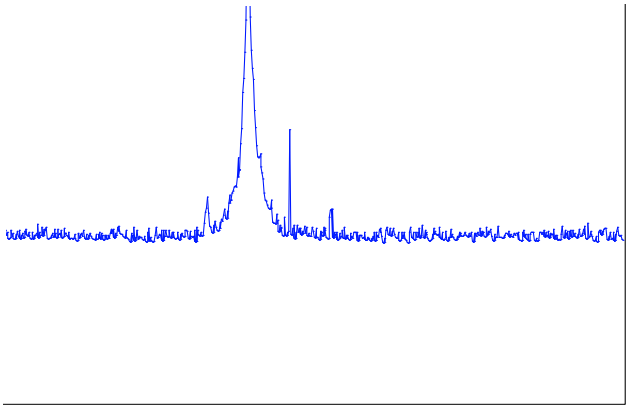

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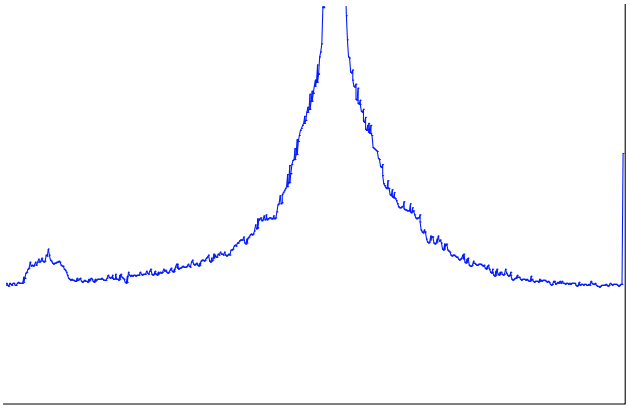

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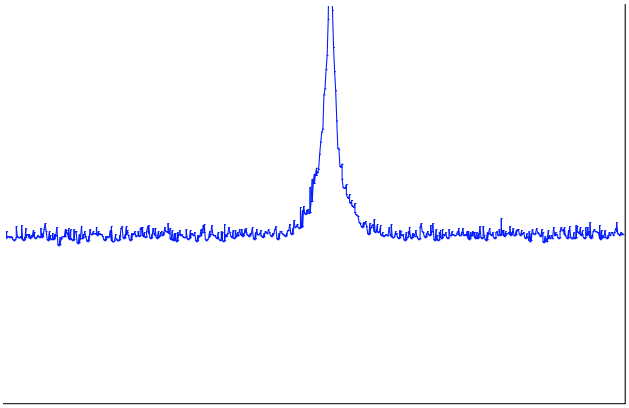

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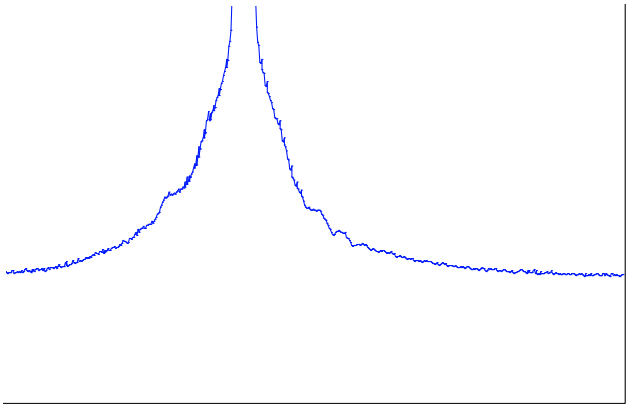

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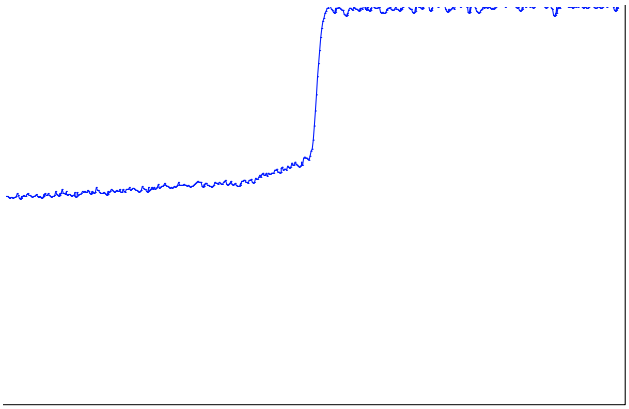
LOW BAND EDGE BLOCK-10MHz-100%RB



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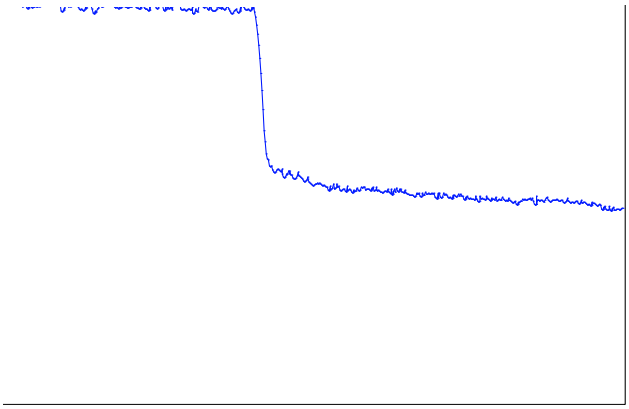

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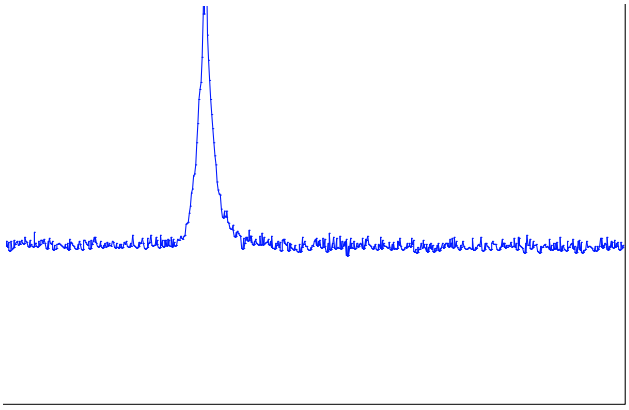
LTE band 7

OBW: 1RB-low_offset



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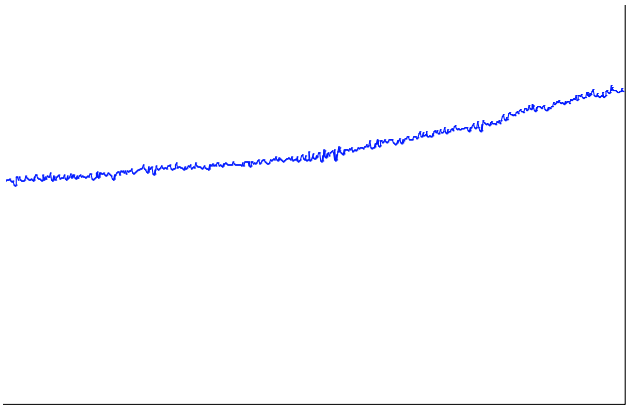

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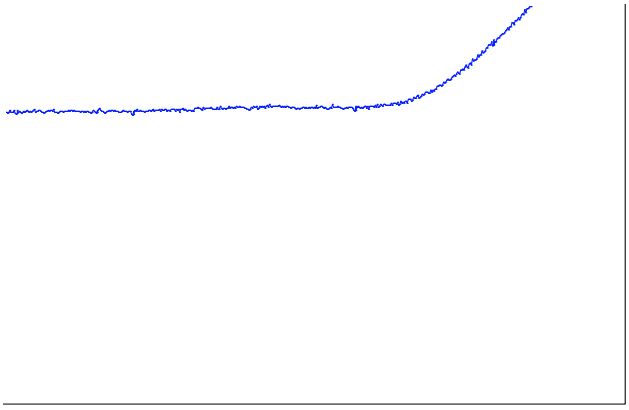

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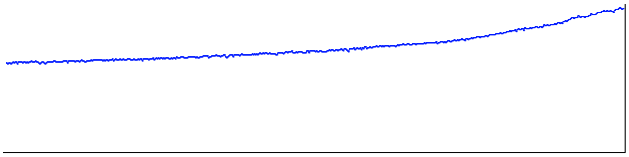

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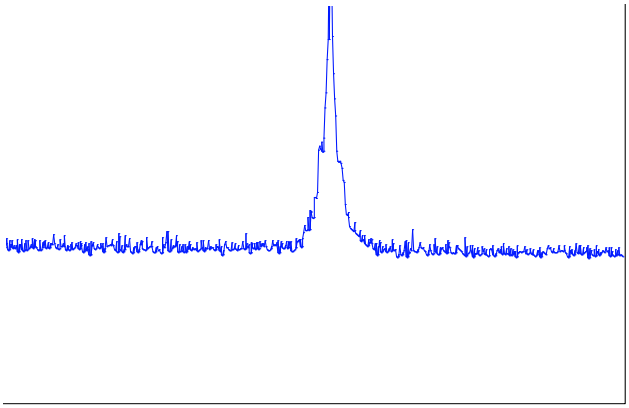

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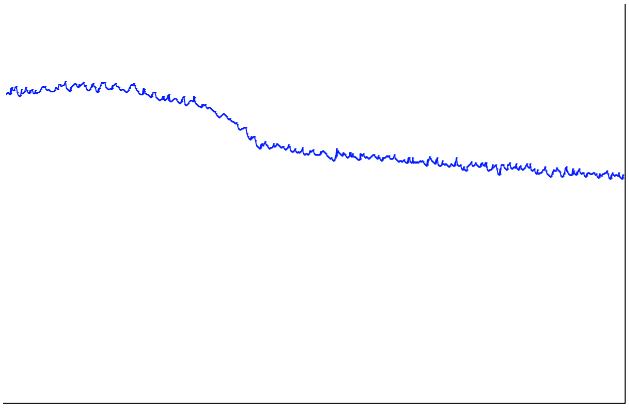
HIGH BAND EDGE BLOCK-1RB-high_offset



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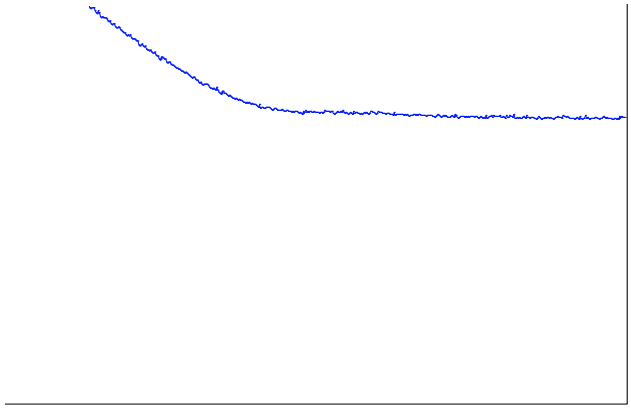

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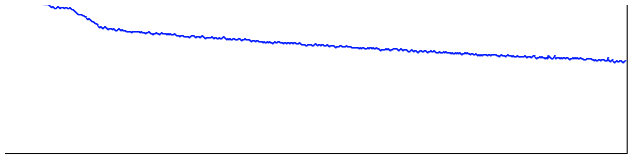

Date: 16.JUL.2023 15:25:02

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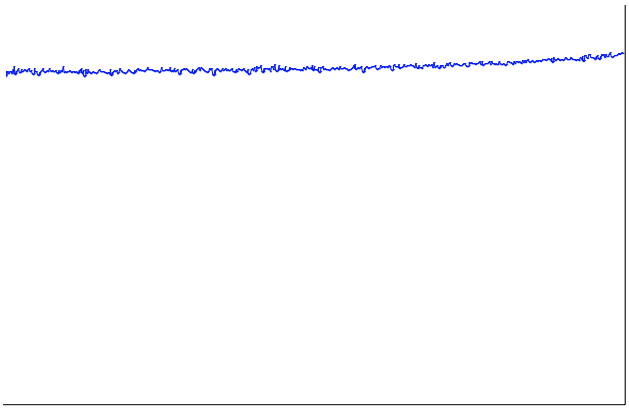
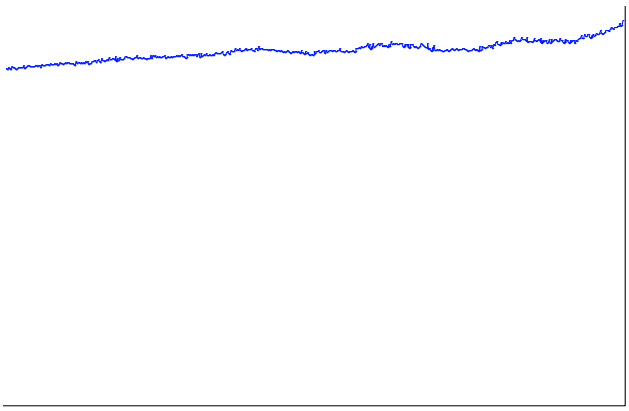
LOW BAND EDGE BLOCK-20MHz-100%RB



Date: 24.MAR.2023 14:44:01



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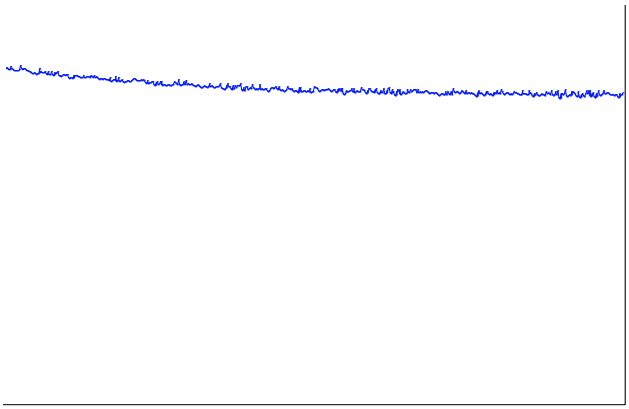
HIGH BAND EDGE BLOCK-20MHz-100%RB



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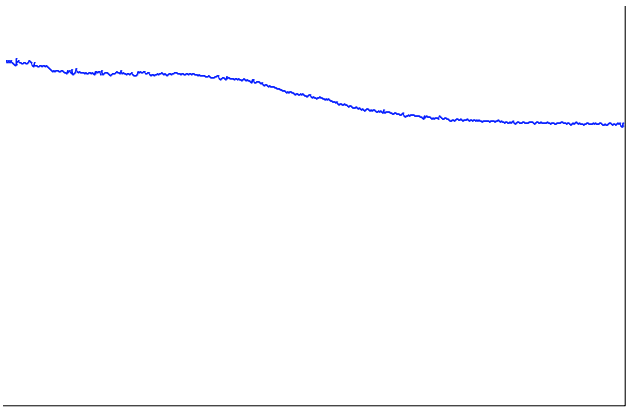

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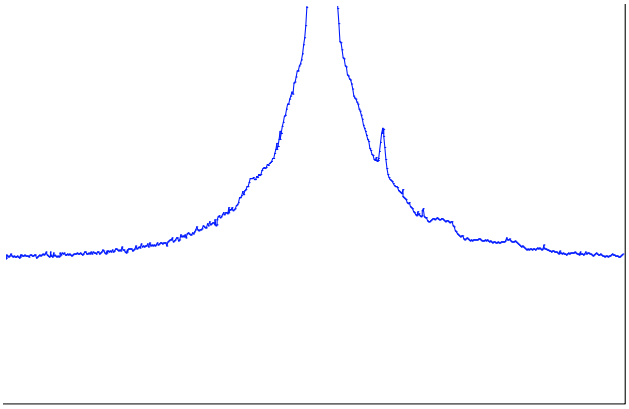
LTE band 12

LOW BAND EDGE BLOCK-1RB-low_offset



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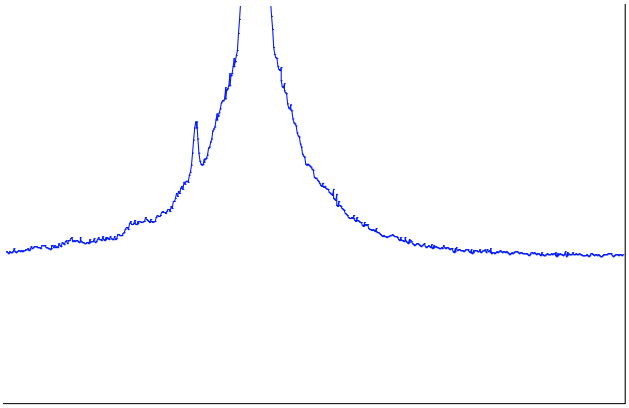

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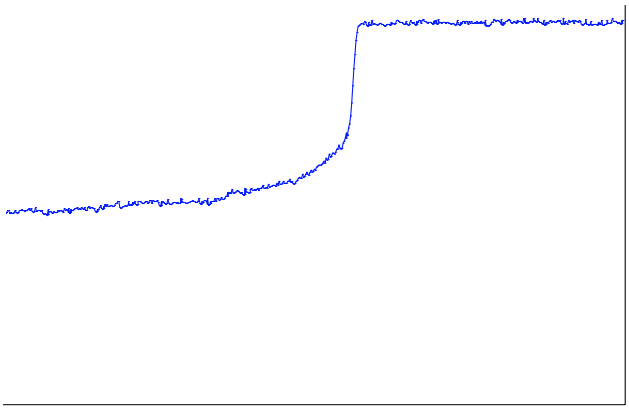
LOW BAND EDGE BLOCK-10MHz-100%RB



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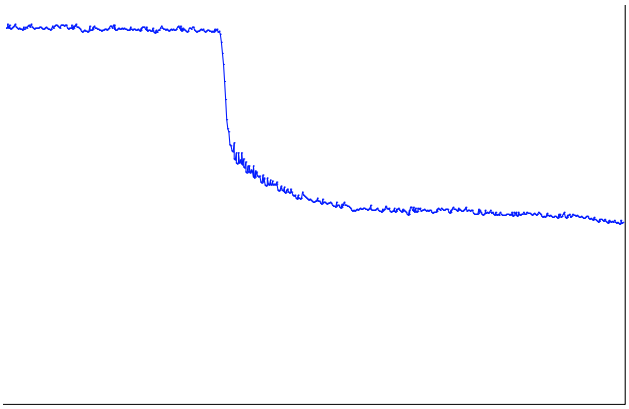
HIGH BAND EDGE BLOCK-10MHz-100%RB



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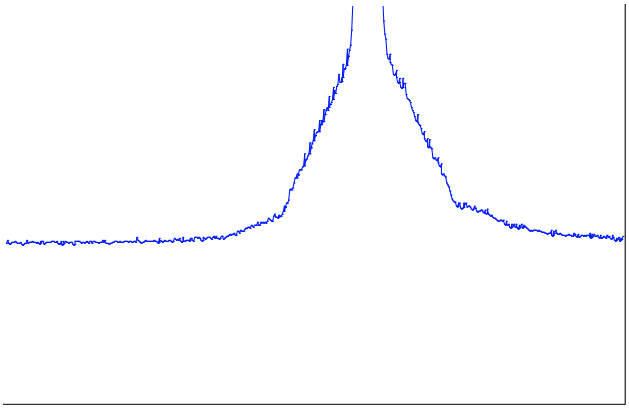
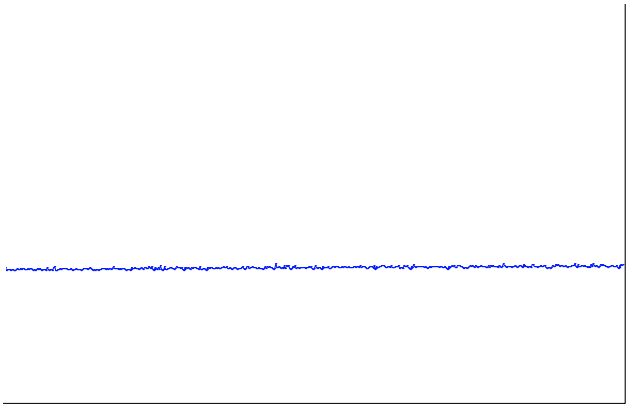
LTE band 13

LOW BAND EDGE BLOCK-1RB-low_offset



Date: 16.JUL.2023 14:06:03



Date: 16.JUL.2023 14:06:43

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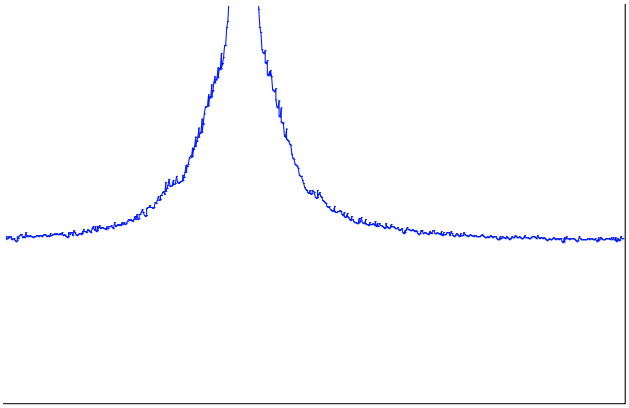
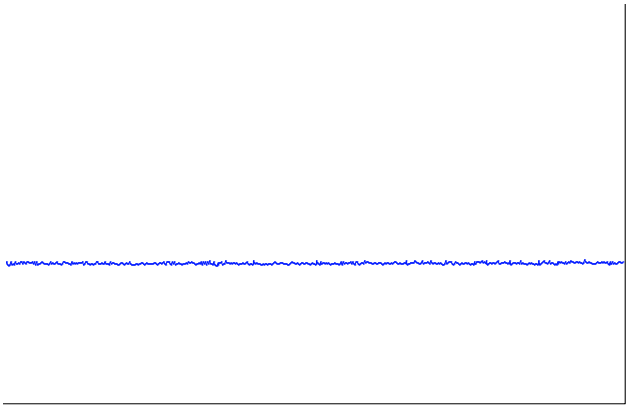
HIGH BAND EDGE BLOCK-1RB-high_offset



Date: 16.JUL.2023 14:08:56



Date: 16.JUL.2023 14:09:36

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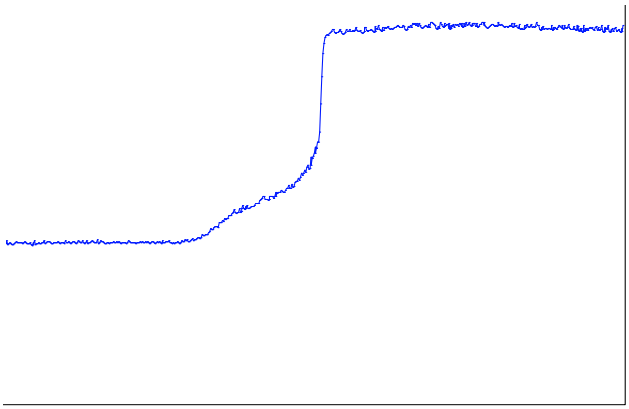
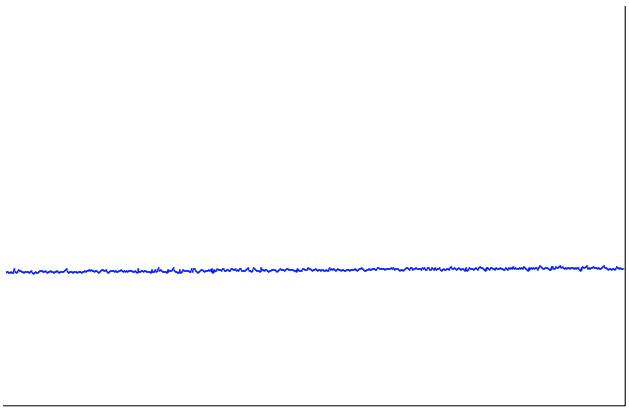
LOW BAND EDGE BLOCK-10MHz-100%RB



Date: 21.MAR.2023 18:11:35



Date: 21.MAR.2023 18:12:14

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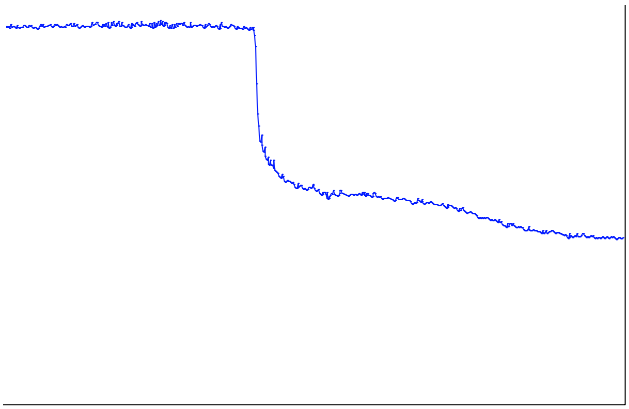
HIGH BAND EDGE BLOCK-10MHz-100%RB



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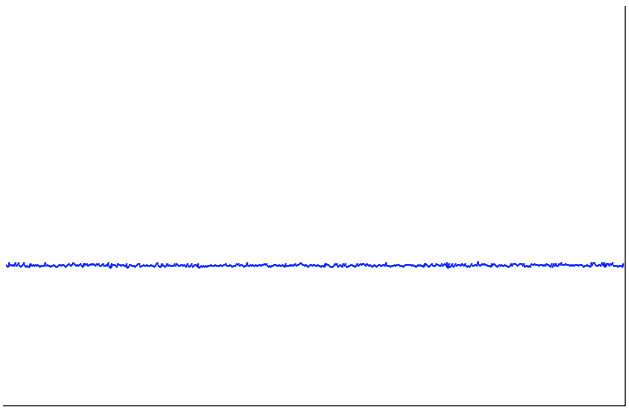

Date: 21.MAR.2023 18:14:25

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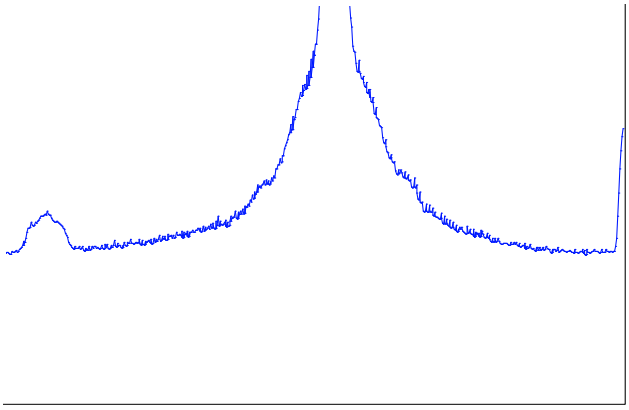
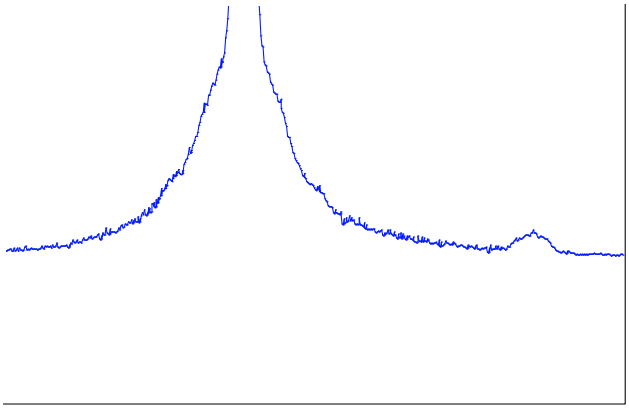
LTE band 17

LOW BAND EDGE BLOCK-1RB-low_offset



Date: 16.JUL.2023 14:10:36

HIGH BAND EDGE BLOCK-1RB-high_offset



Date: 16.JUL.2023 14:15:36

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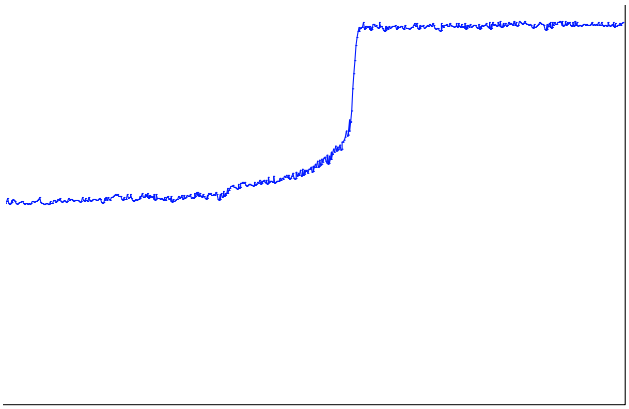
LOW BAND EDGE BLOCK-10MHz-100%RB



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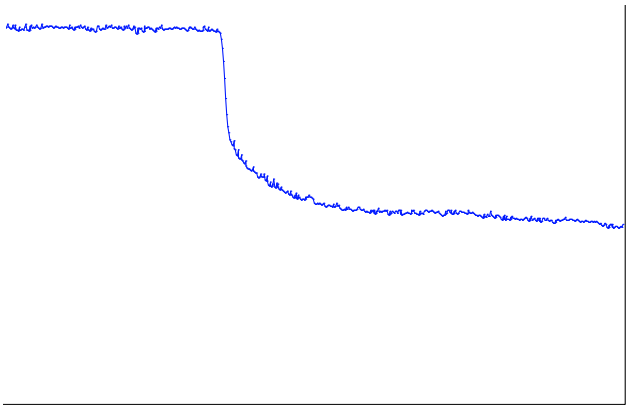
HIGH BAND EDGE BLOCK-10MHz-100%RB



Date: 16.JUL.2023 14:16:15

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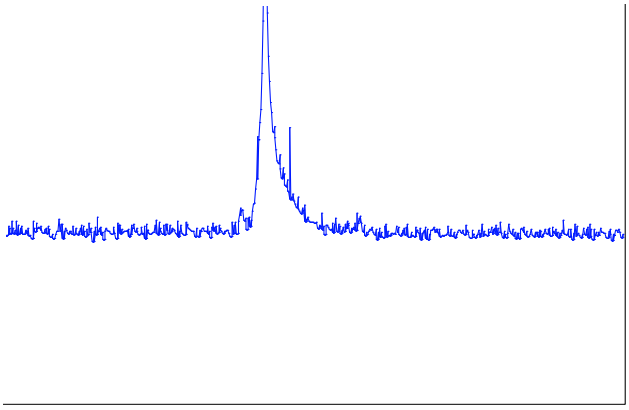
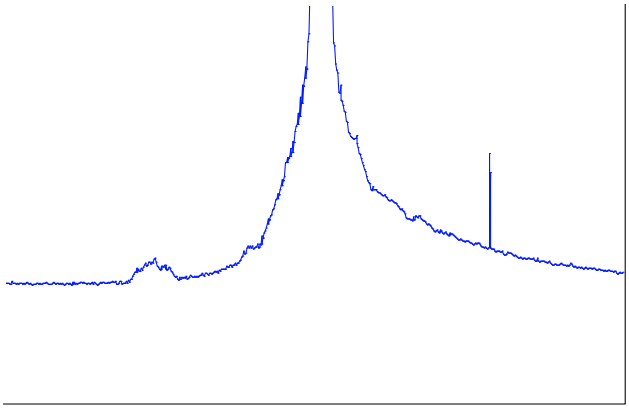
LTE band 25

OBW: 1RB-low_offset



Date: 16.JUL.2023 15:26:52

LOW BAND EDGE BLOCK-1RB-low_offset



Date: 16.JUL.2023 15:28:06

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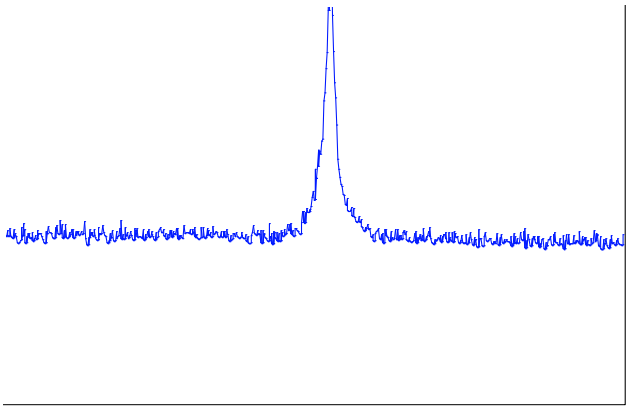
OBW: 1RB-high_offset



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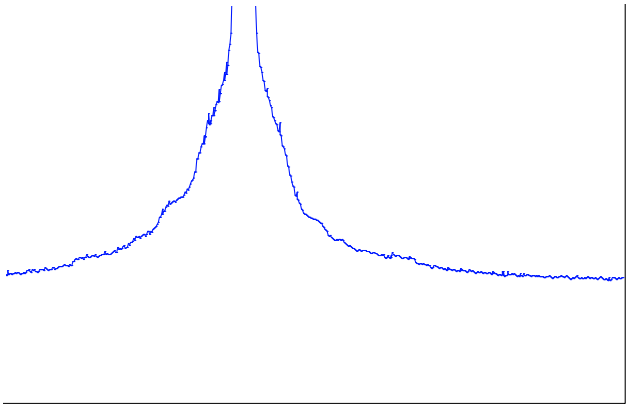
HIGH BAND EDGE BLOCK-1RB-high_offset



Date: 16.JUL.2023 15:30:58

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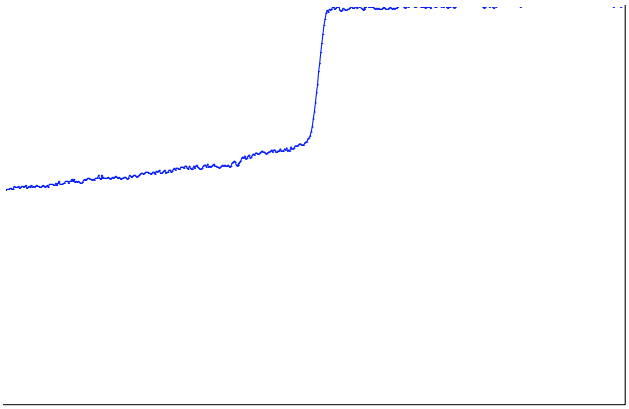
LOW BAND EDGE BLOCK-20MHz-100%RB



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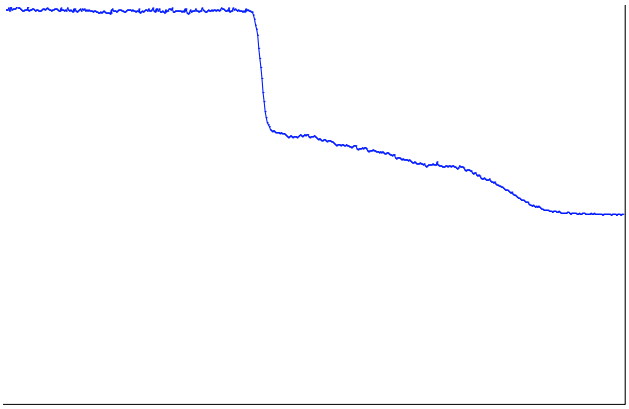
HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 24.MAR.2023 14:53:33

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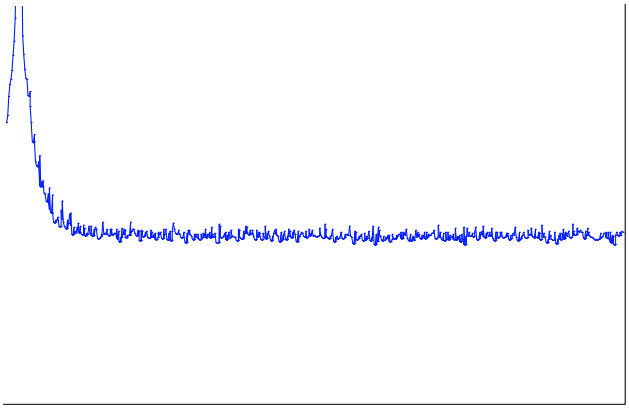
LTE band 26(814MHz~824MHz)

OBW: 1RB-low_offset



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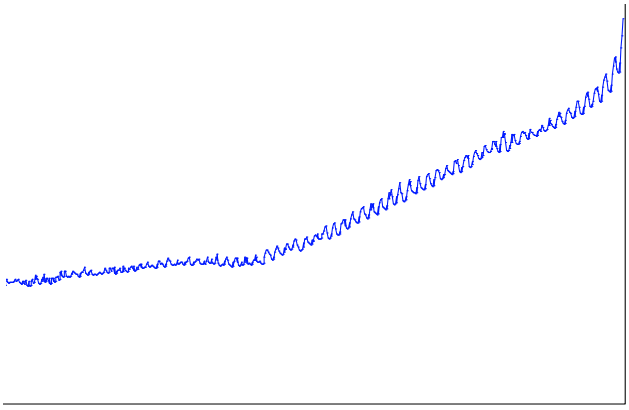
LOW BAND EDGE BLOCK-1RB-low_offset



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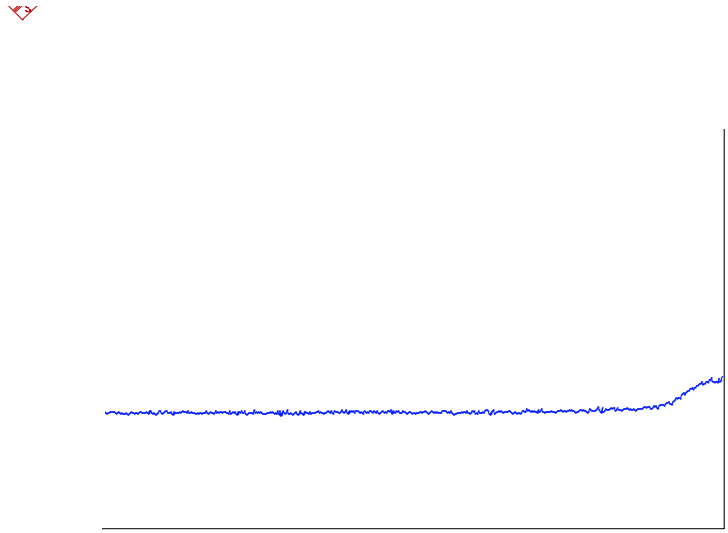
LOW Emission Mask -1RB-low_offset



Date: 16.JUL.2023 14:35:13

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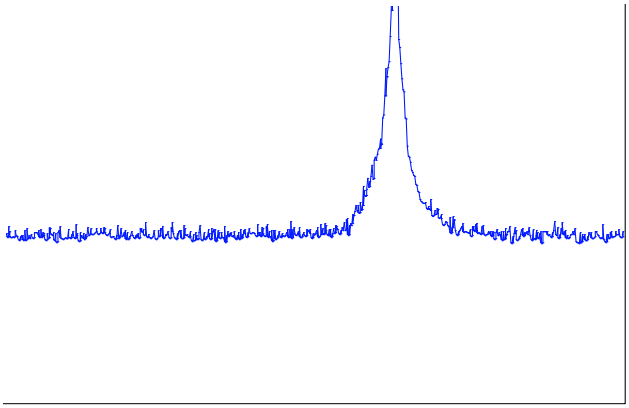
OBW: 1RB-high_offset



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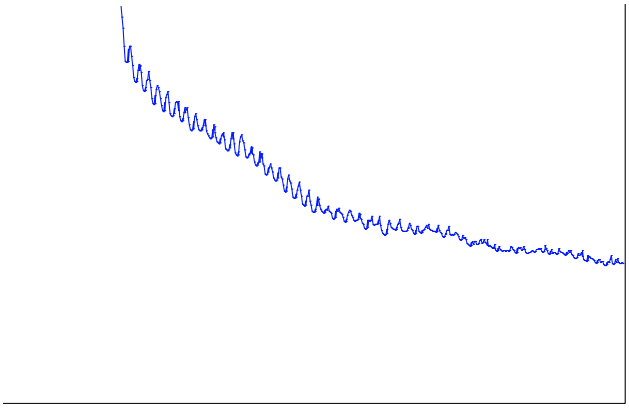
HIGH BAND EDGE BLOCK-1RB-high_offset



Date: 16.JUL.2023 14:37:27

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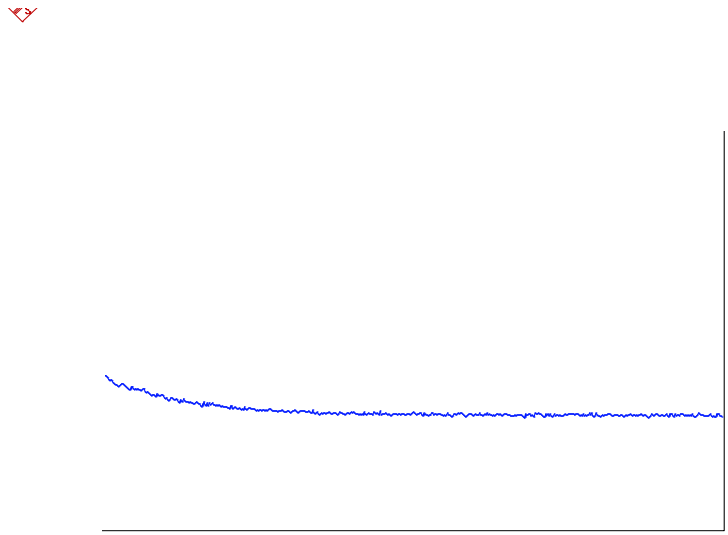
HIGH Emission Mask -1RB-high_offset



Date: 16.JUL.2023 14:39:44

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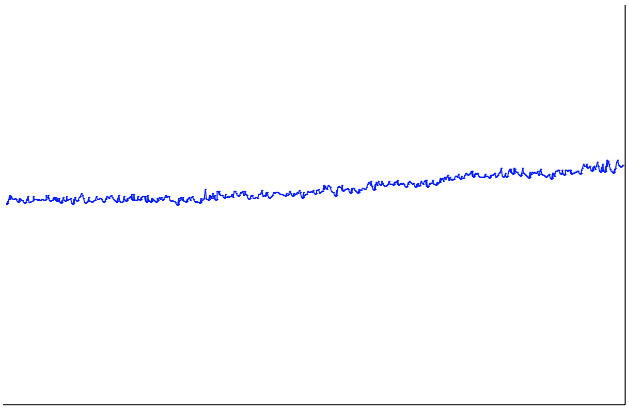
LOW Emission Mask -10MHz-100%RB



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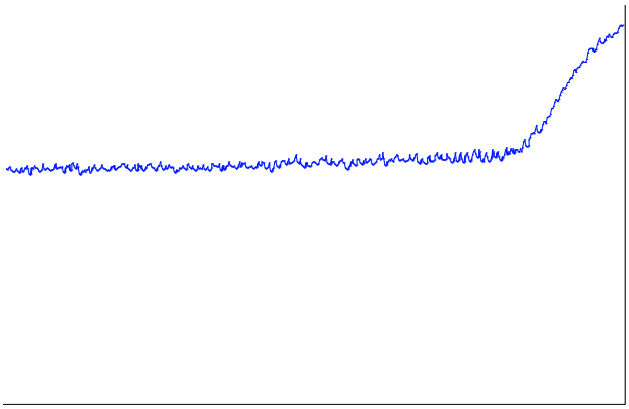
LOW BAND EDGE BLOCK-10MHz-100%RB



Date: 24.MAR.2023 16:11:17

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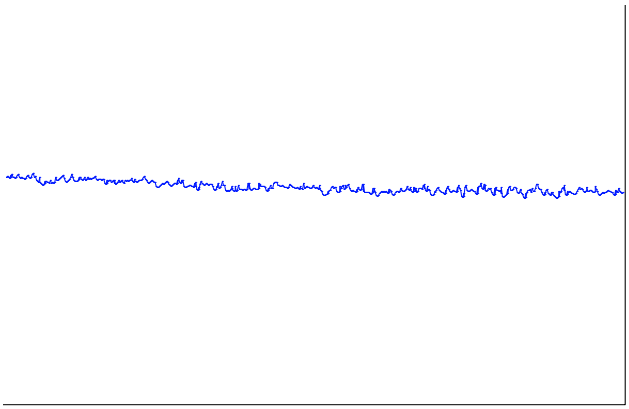
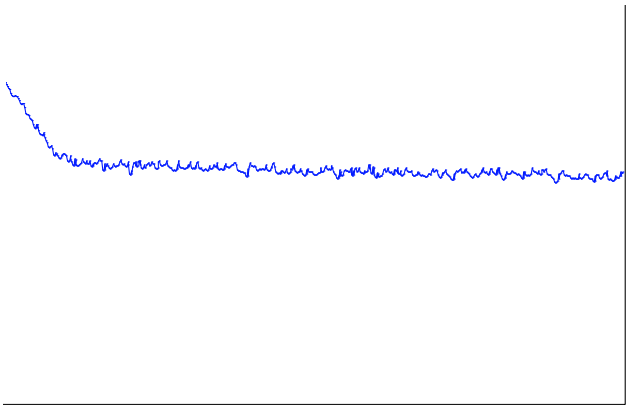
HIGH Emission Mask -10MHz-100%RB



Date: 24.MAR.2023 16:13:36

HIGH BAND EDGE BLOCK-10MHz-100%RB



Date: 24.MAR.2023 16:13:14

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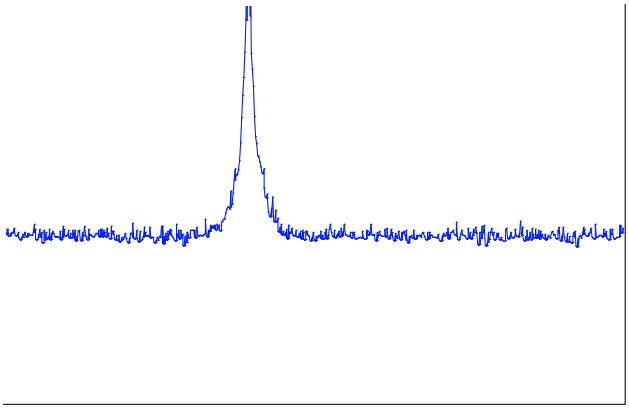
LTE band 26(824MHz~849MHz)

OBW: 1RB-low_offset



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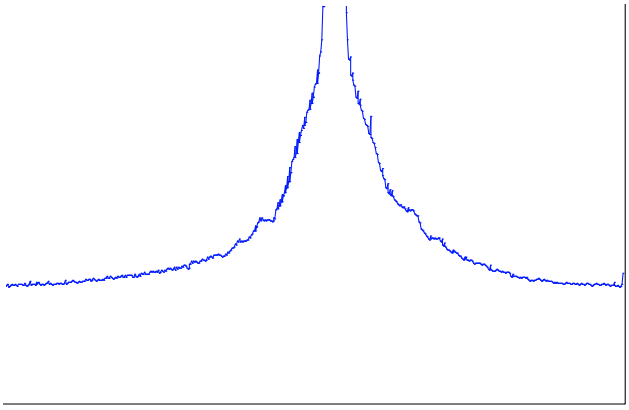
LOW BAND EDGE BLOCK-1RB-low_offset



Date: 16.JUL.2023 14:19:12

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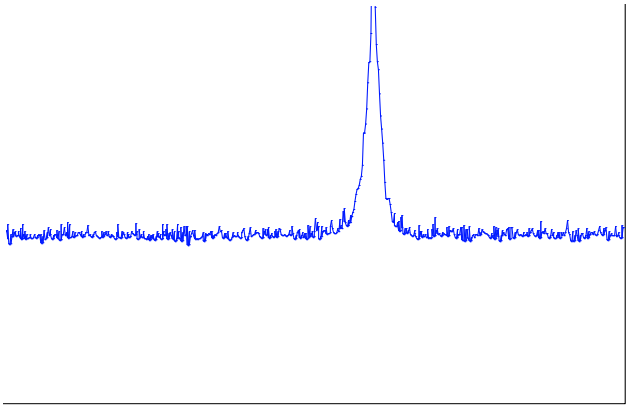
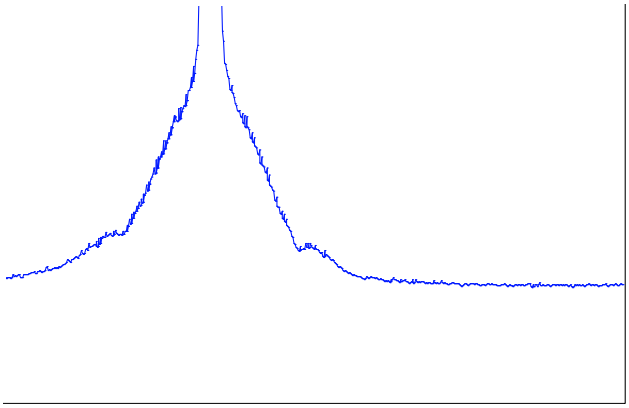
OBW: 1RB-high_offset



Date: 16.JUL.2023 14:19:54

HIGH BAND EDGE BLOCK-1RB-high_offset



Date: 16.JUL.2023 14:21:08

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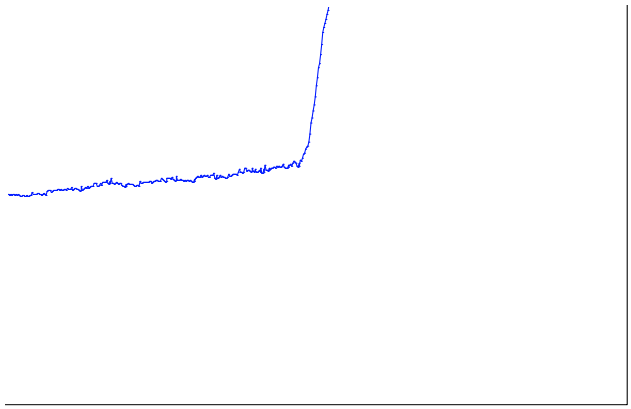
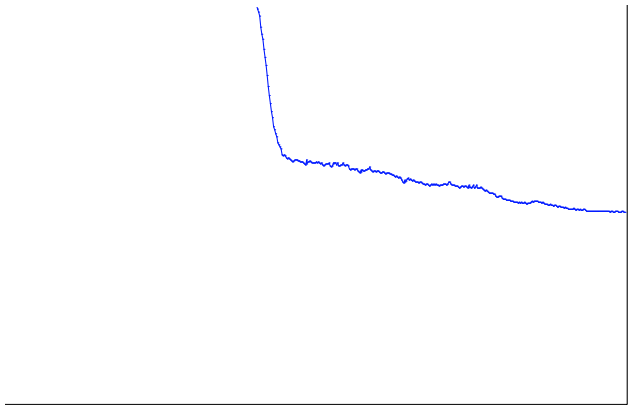
LOW BAND EDGE BLOCK-15MHz-100%RB



Date: 24.MAR.2023 16:00:52

HIGH BAND EDGE BLOCK-15MHz-100%RB



Date: 24.MAR.2023 16:02:24

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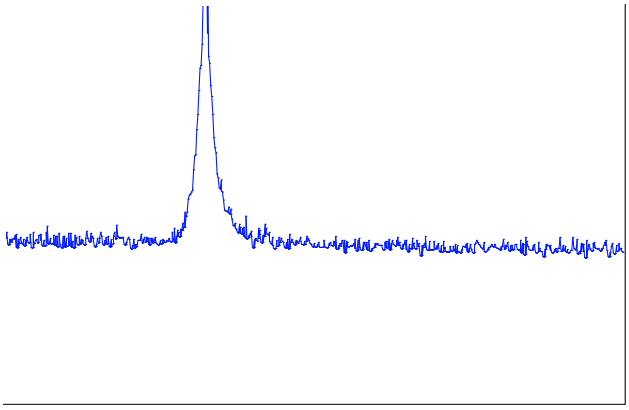
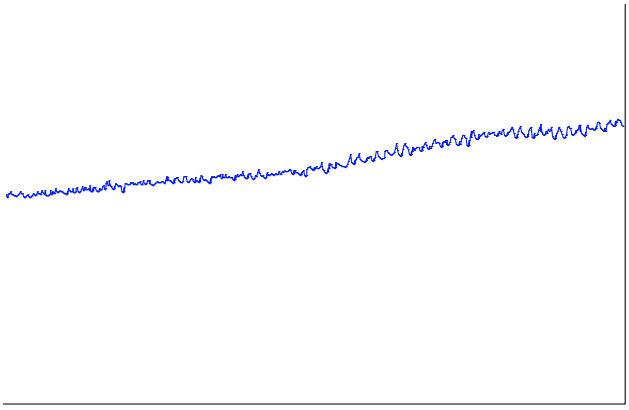
LTE band 30

OBW: 1RB-low_offset



Date: 16.JUL.2023 14:42:56

LOW BAND EDGE BLOCK-1RB-low_offset



Date: 16.JUL.2023 14:44:25

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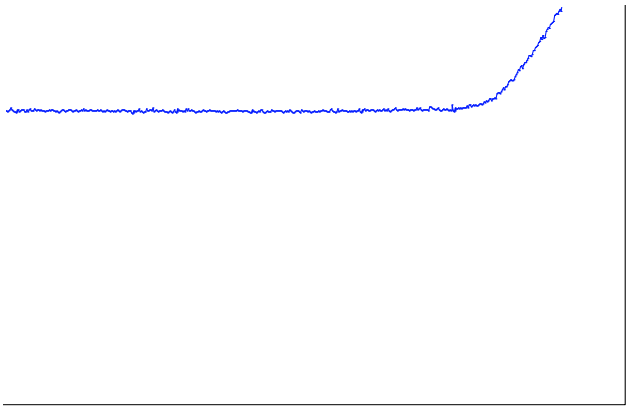

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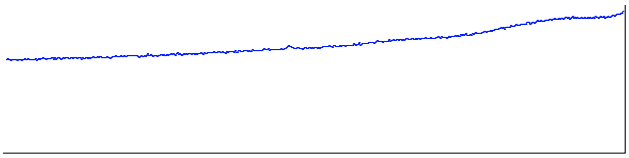

Date: 16.JUL.2023 14:46:45

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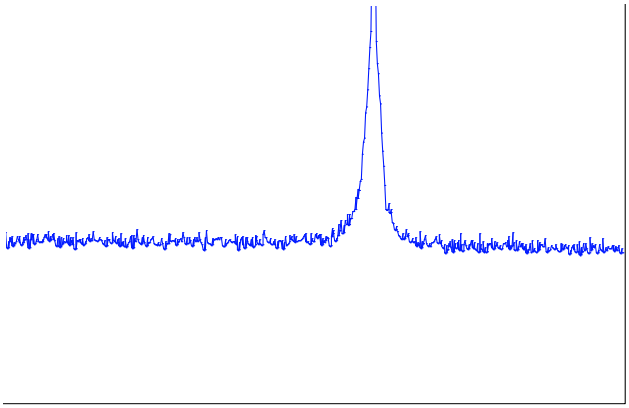
OBW: 1RB-high_offset



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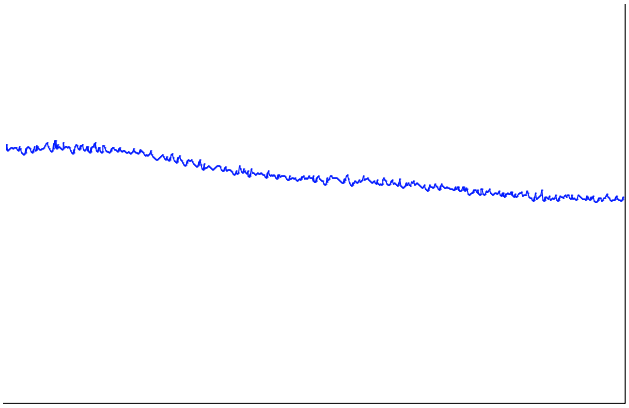
HIGH BAND EDGE BLOCK-1RB-high_offset



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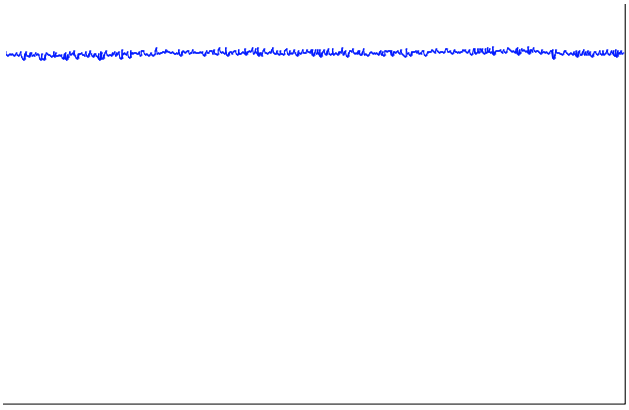

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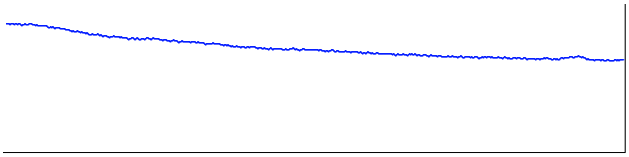

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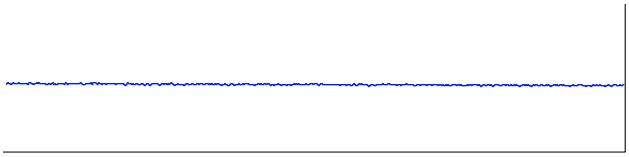

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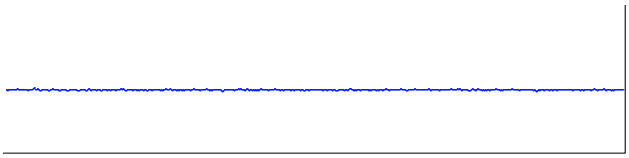

Date: 16.JUL.2023 14:52:08

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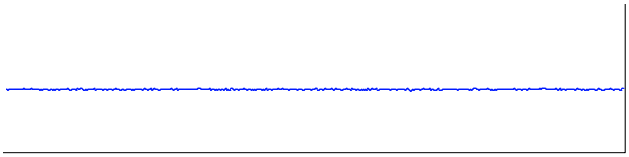

Date: 16.JUL.2023 14:52:33

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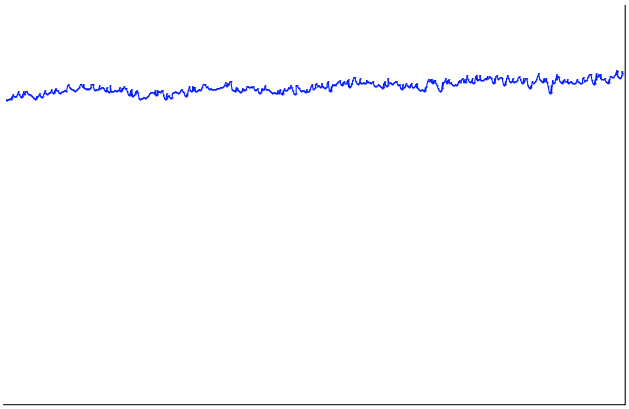
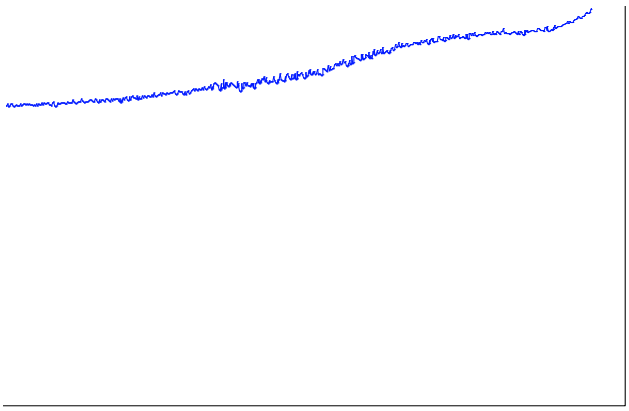
LOW BAND EDGE BLOCK-10MHz-100%RB



Date: 28.MAR.2023 16:16:08



Date: 28.MAR.2023 16:17:59

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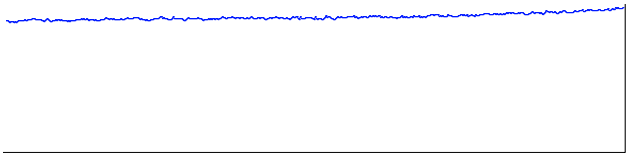

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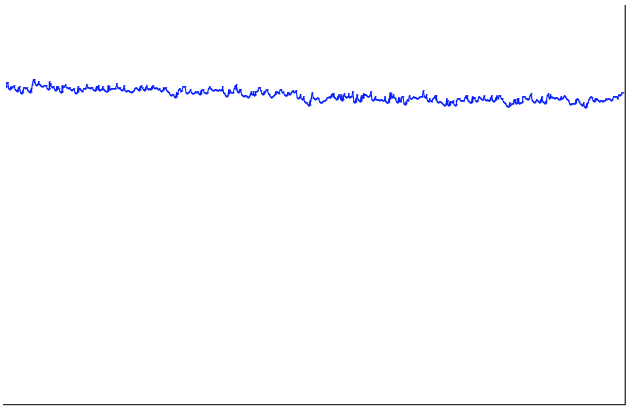
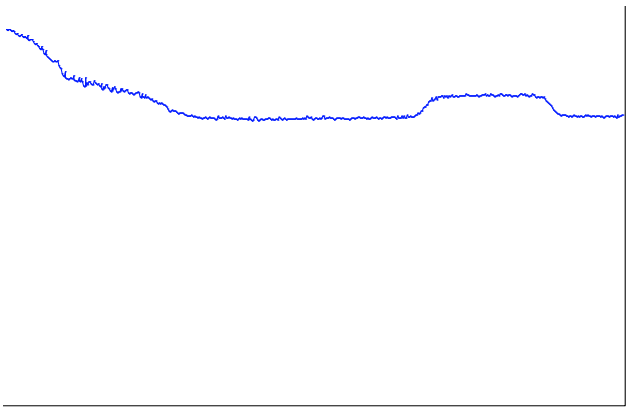
HIGH BAND EDGE BLOCK-10MHz-100%RB



Date: 28.MAR.2023 16:32:20



Date: 28.MAR.2023 16:40:40

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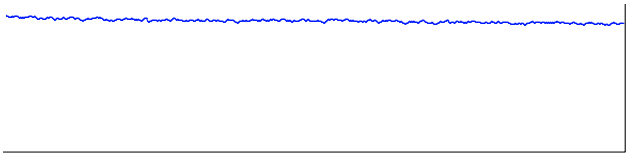

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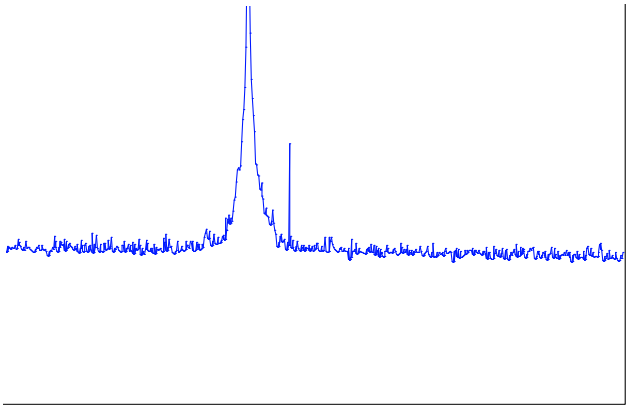
LTE band 38

OBW: 1RB-low_offset



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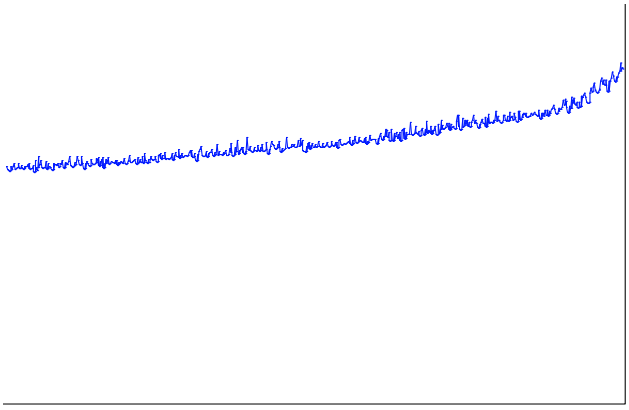
LOW BAND EDGE BLOCK-1RB-low_offset



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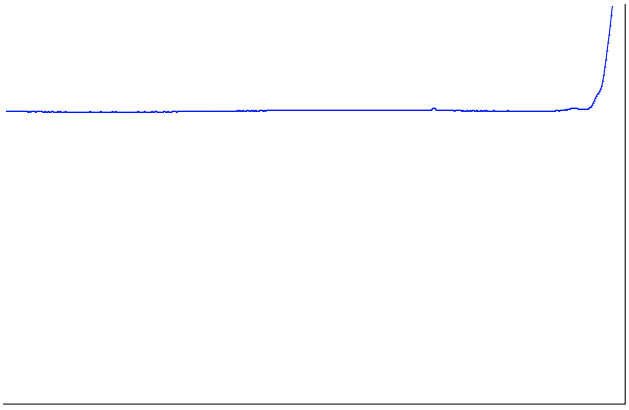

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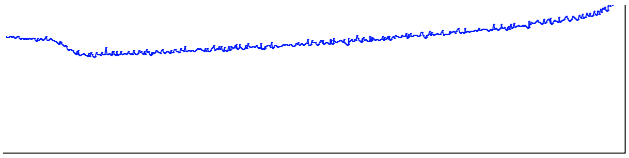

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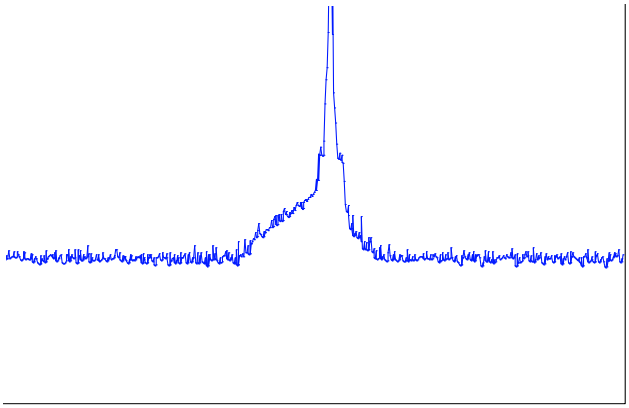
OBW: 1RB-high_offset



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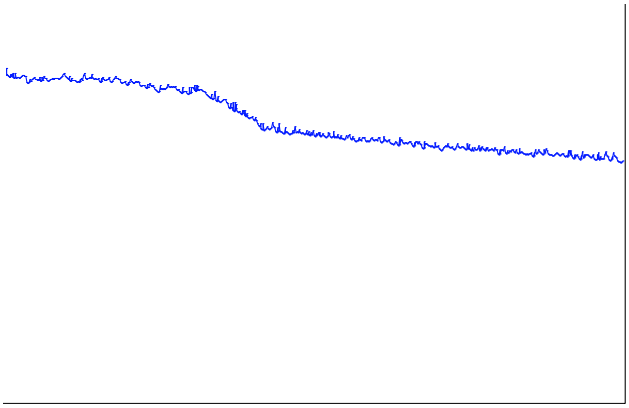
HIGH BAND EDGE BLOCK-1RB-high_offset



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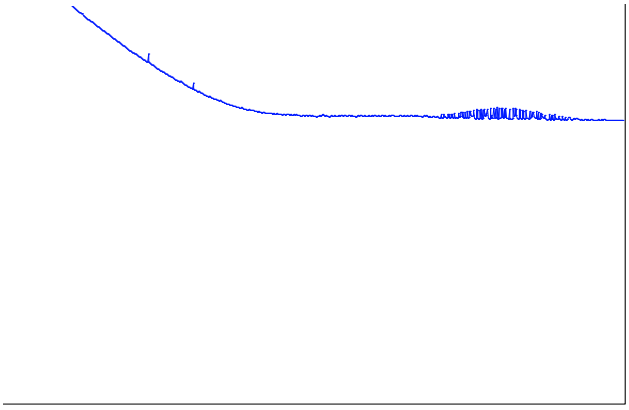

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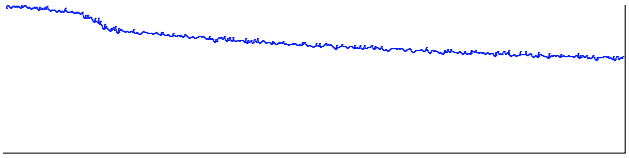

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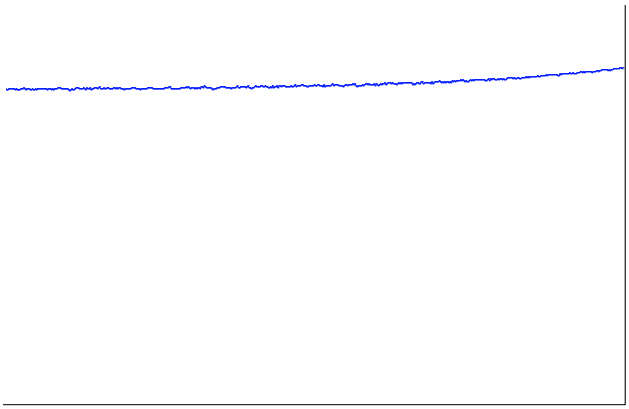
LOW BAND EDGE BLOCK-20MHz-100%RB



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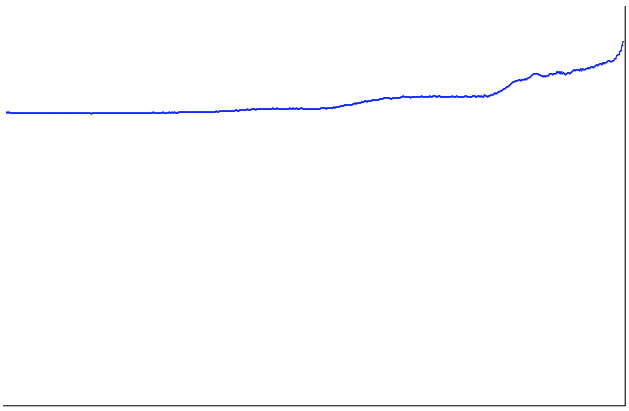

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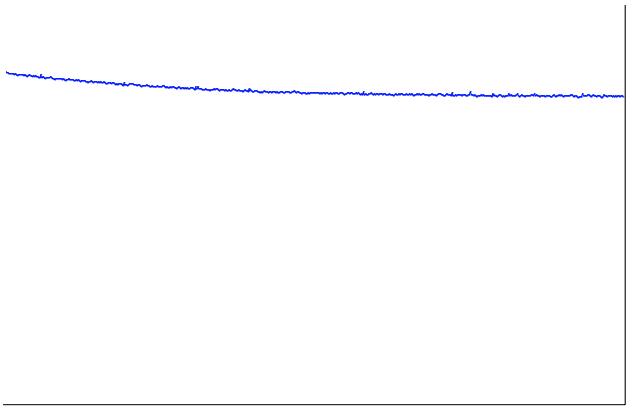
HIGH BAND EDGE BLOCK-20MHz-100%RB



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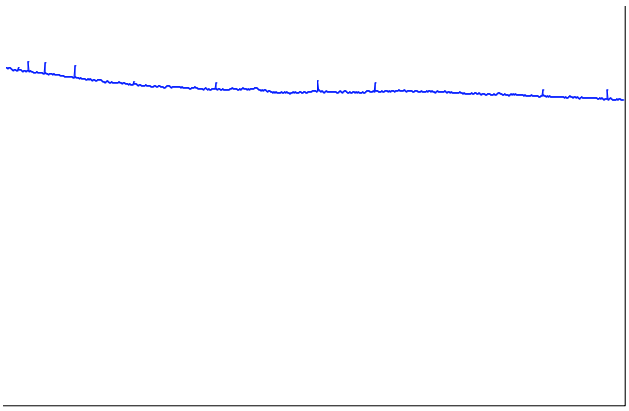

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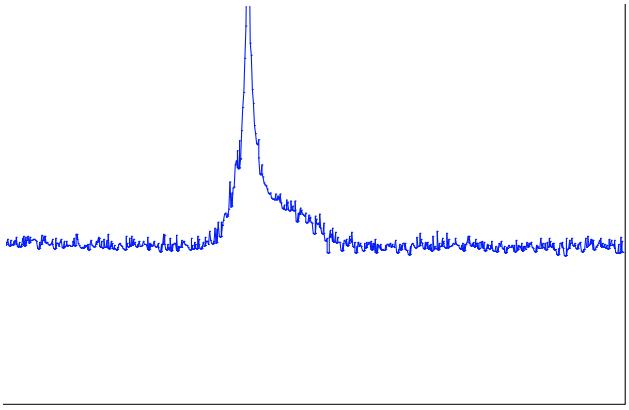
LTE band 41

OBW: 1RB-low_offset



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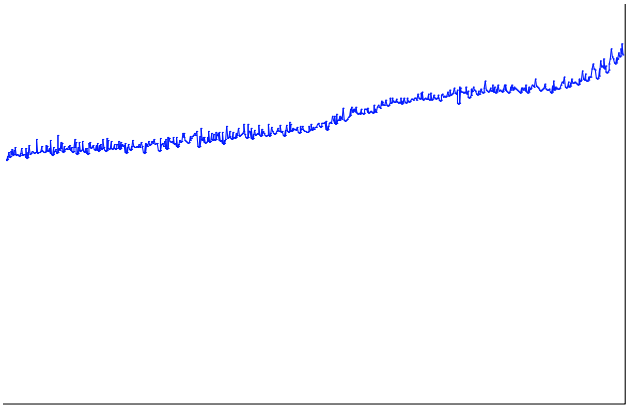
LOW BAND EDGE BLOCK-1RB-low_offset



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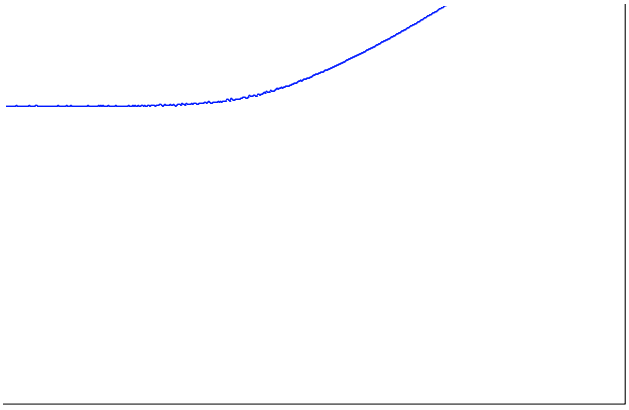

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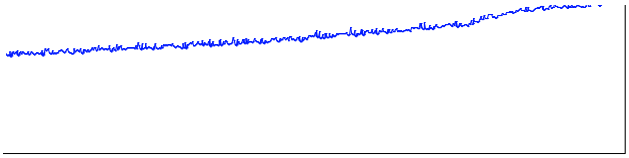

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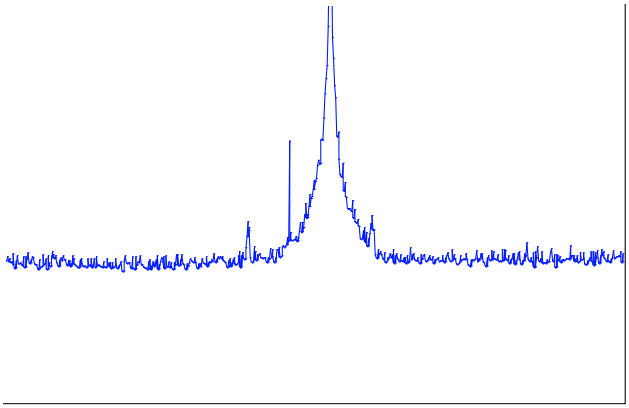
OBW: 1RB-high_offset



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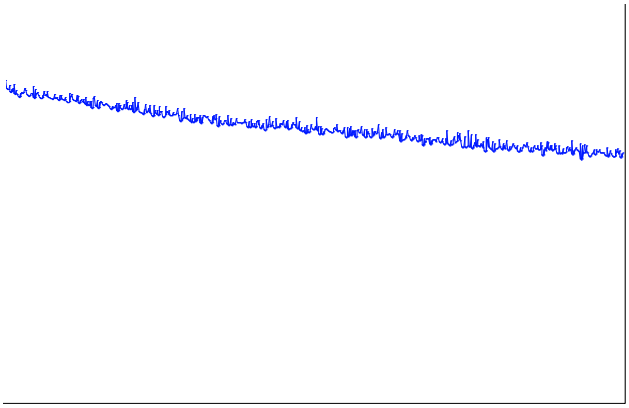
HIGH BAND EDGE BLOCK-1RB-high_offset



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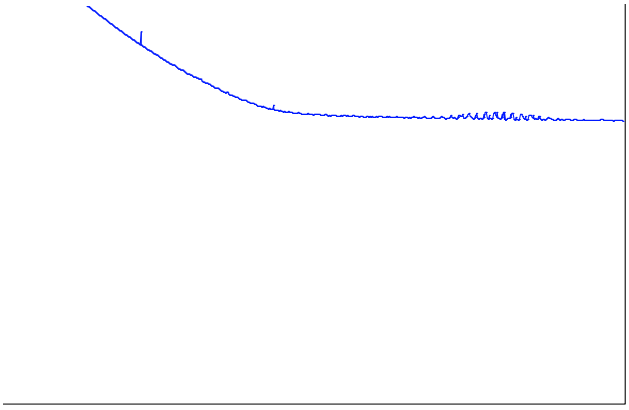

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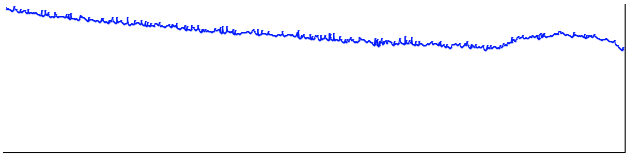

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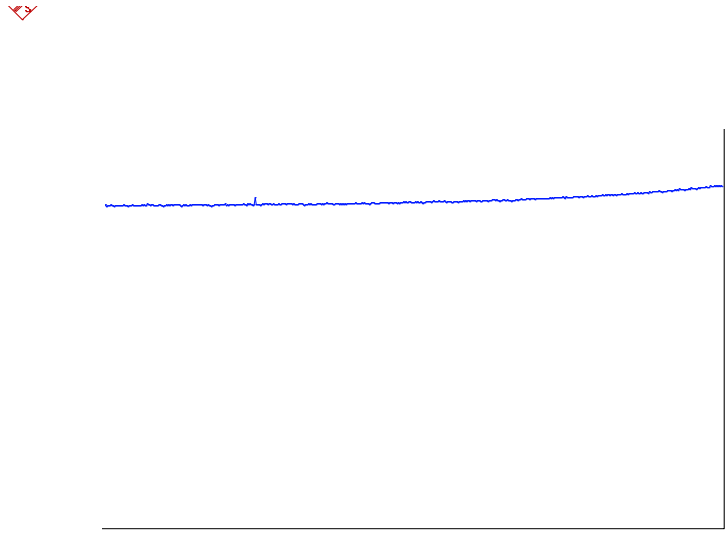
LOW BAND EDGE BLOCK-20MHz-100%RB



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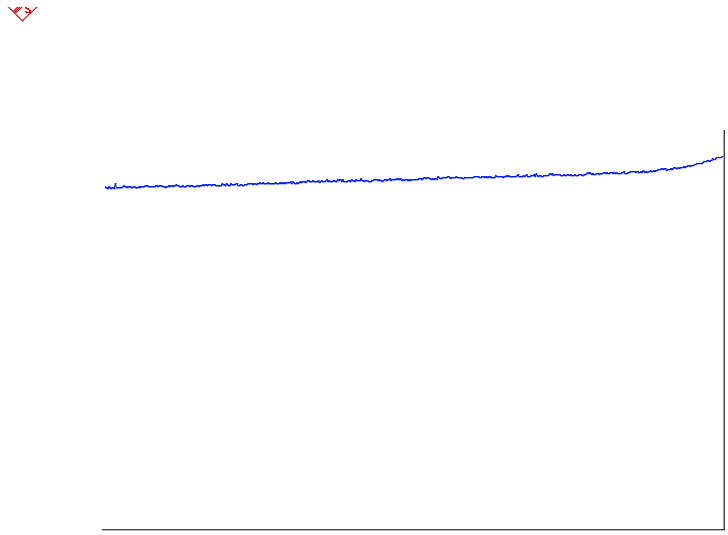

Date: 24.MAR.2023 15:00:03

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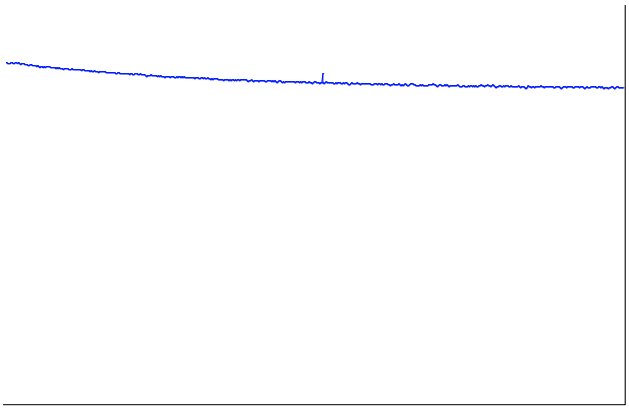
HIGH BAND EDGE BLOCK-20MHz-100%RB



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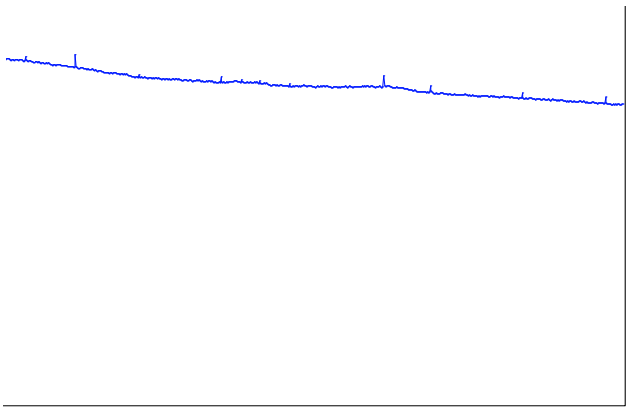

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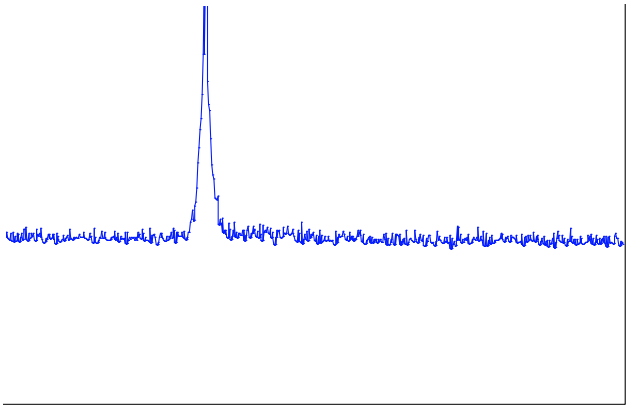
LTE band 48

OBW: 1RB-low_offset



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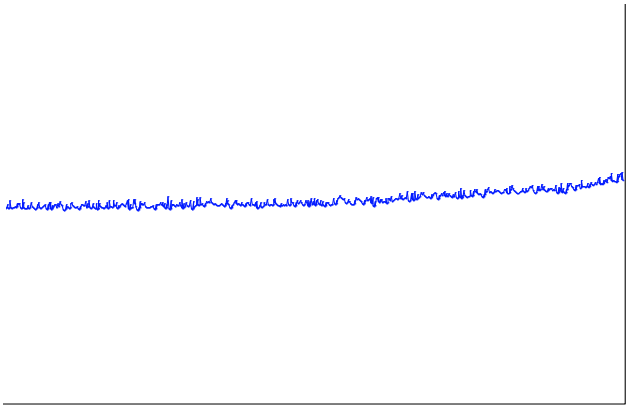
LOW BAND EDGE BLOCK-1RB-low_offset



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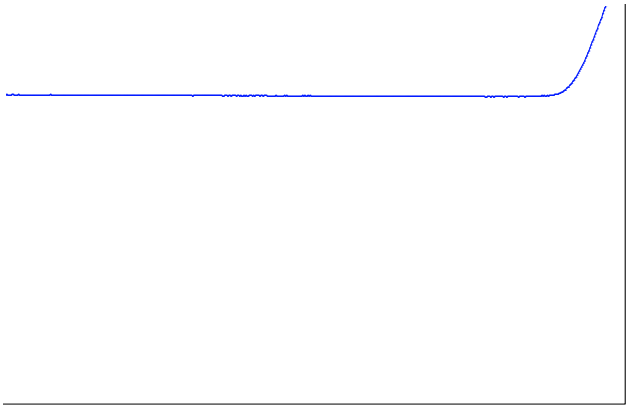

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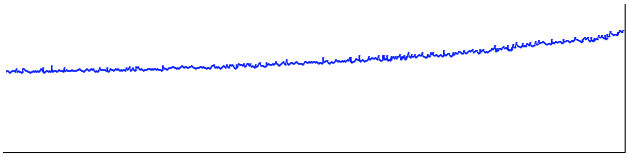

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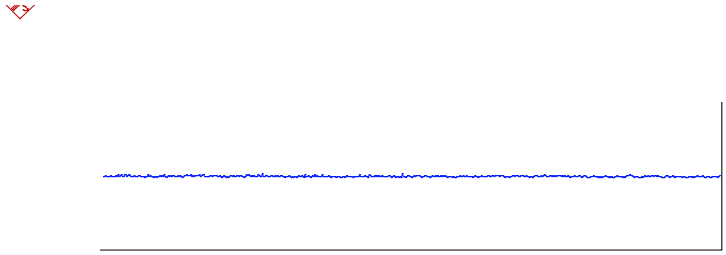

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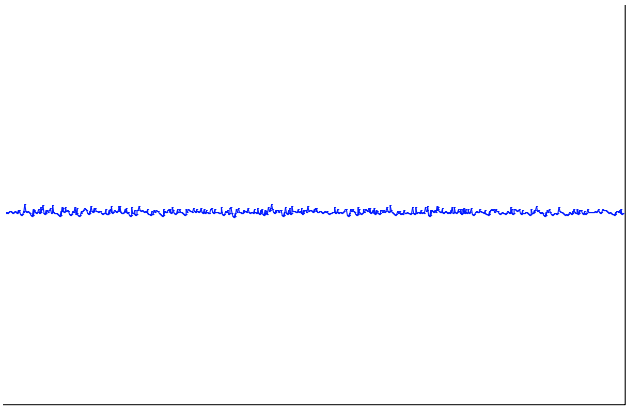

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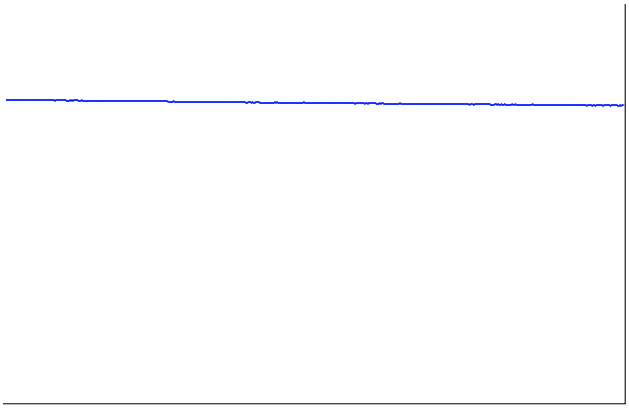

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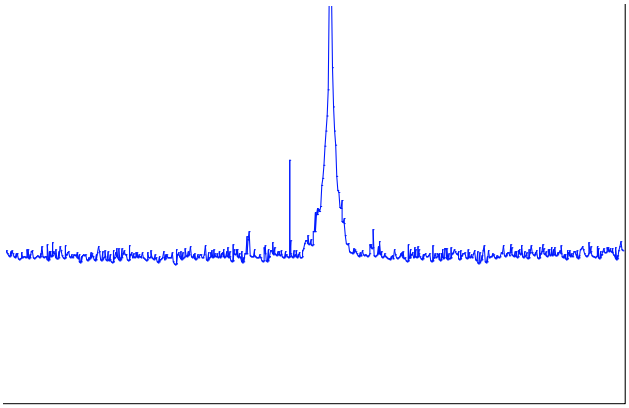
OBW: 1RB-high_offset



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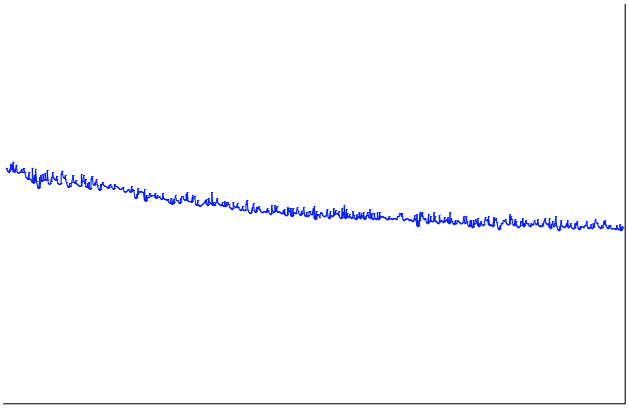
HIGH BAND EDGE BLOCK-1RB-high_offset



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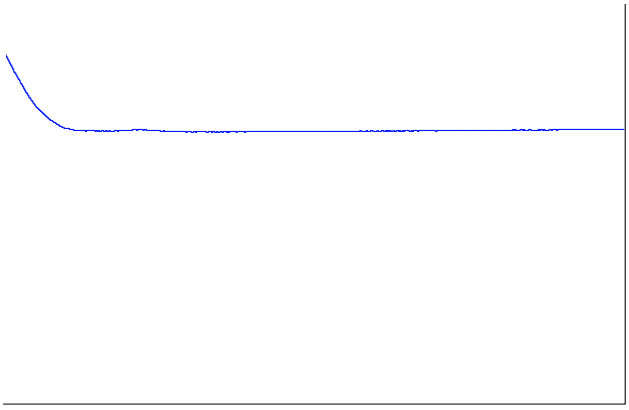

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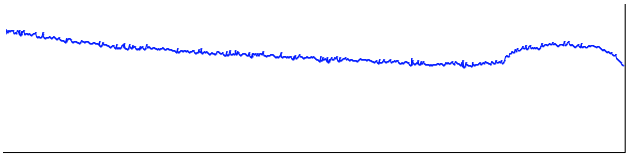

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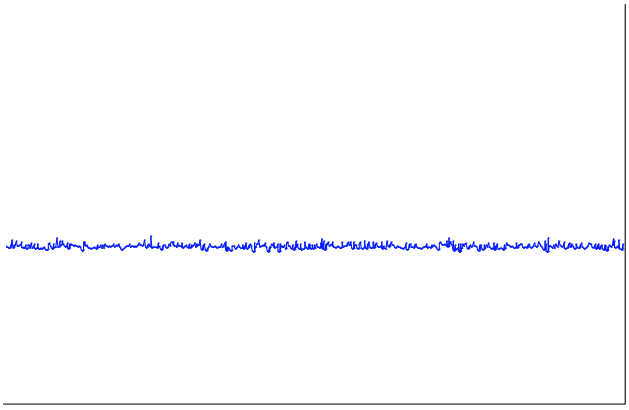

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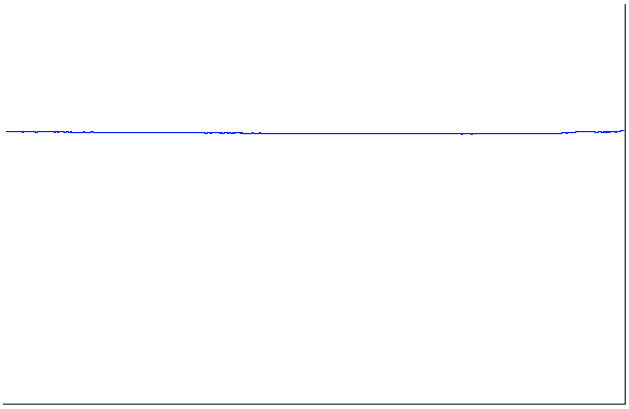

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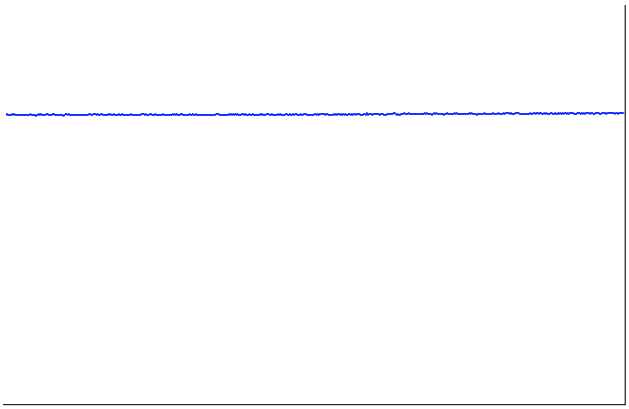
LOW BAND EDGE BLOCK-20MHz-100%RB



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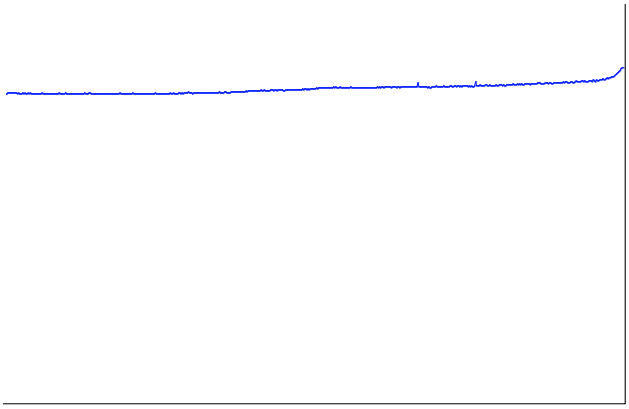

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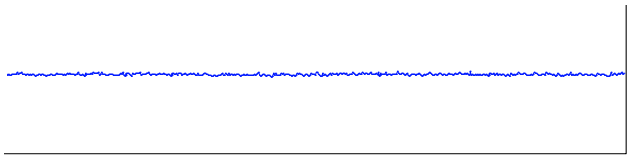

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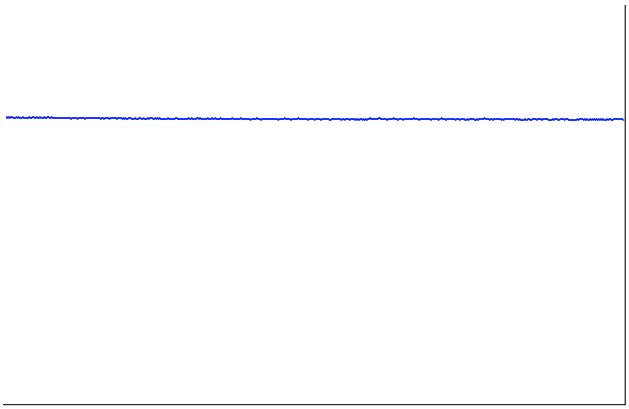

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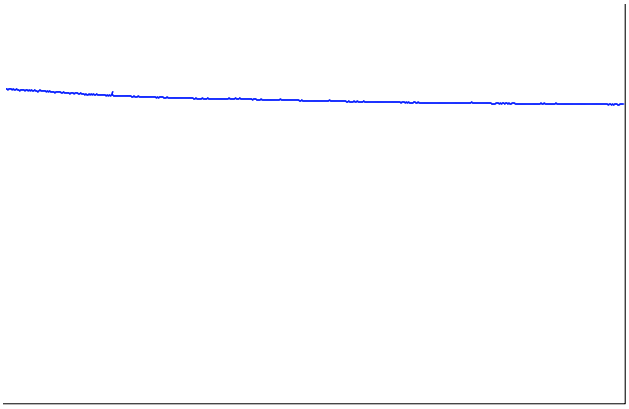

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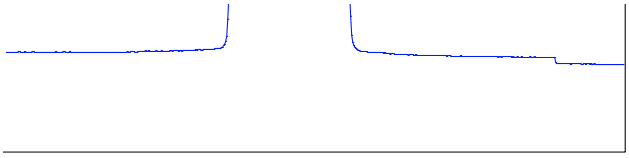

Date: 16.JUL.2023 16:34:07

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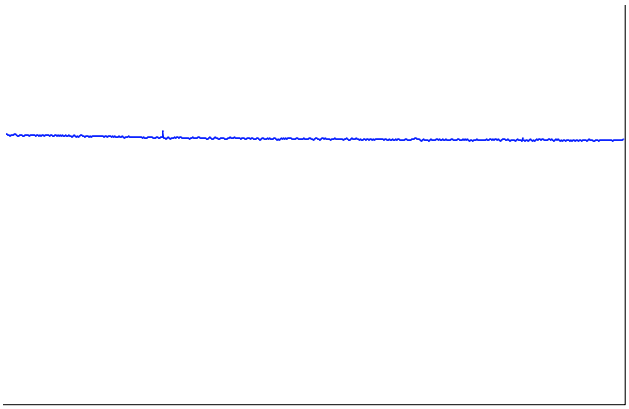
HIGH BAND EDGE BLOCK-20MHz-100%RB



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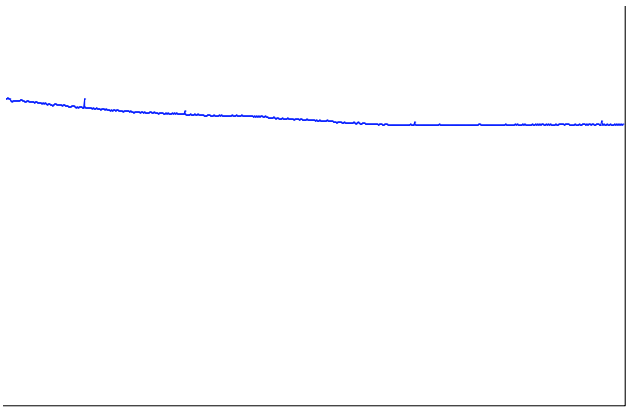

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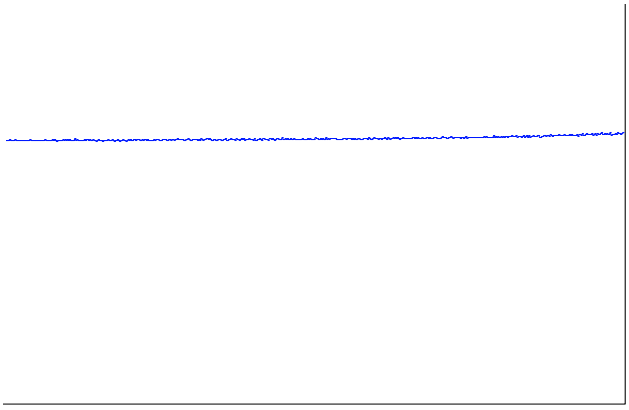

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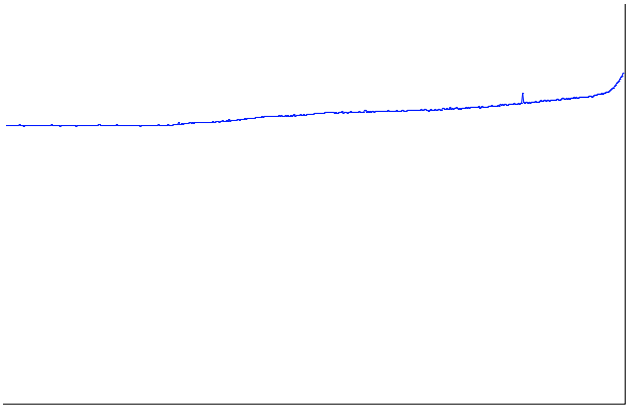

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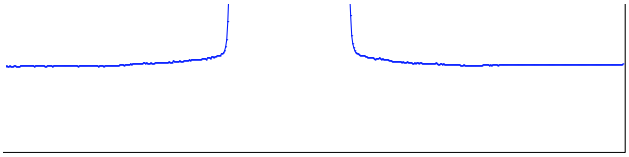

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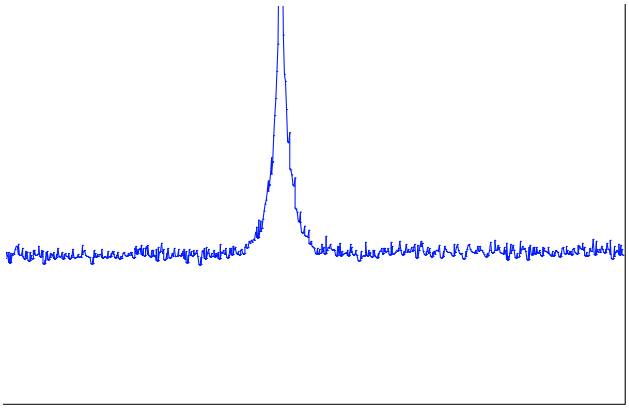
LTE band 66

OBW: 1RB-low_offset



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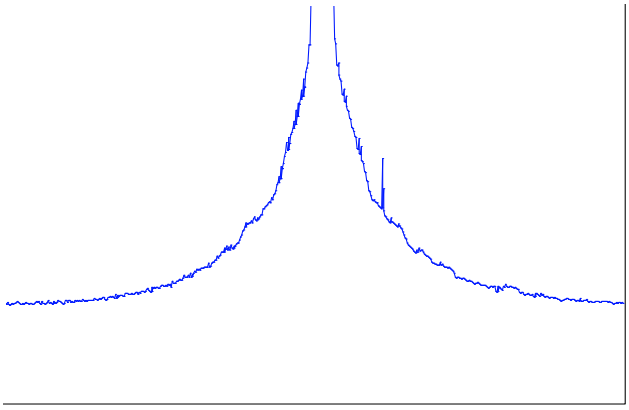
LOW BAND EDGE BLOCK-1RB-low_offset



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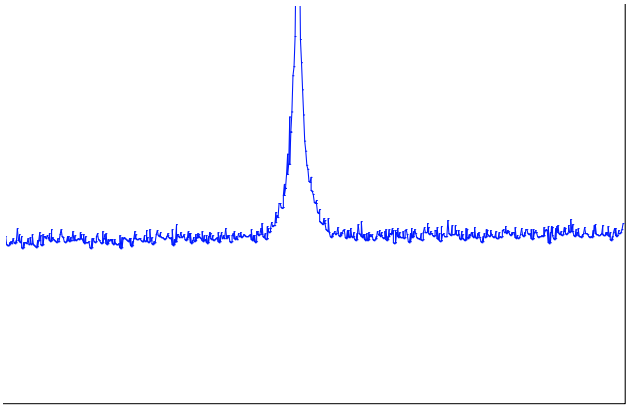
OBW: 1RB-high_offset



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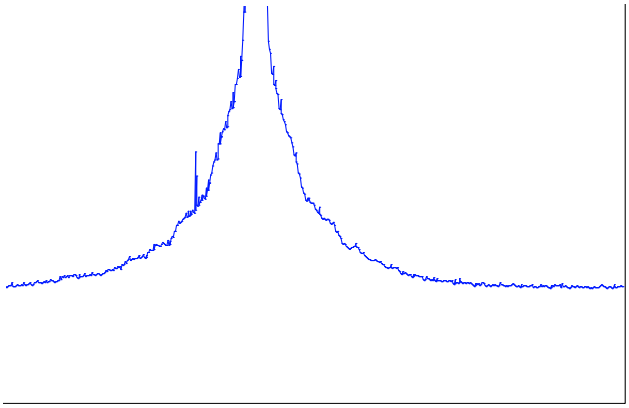
HIGH BAND EDGE BLOCK-1RB-high_offset



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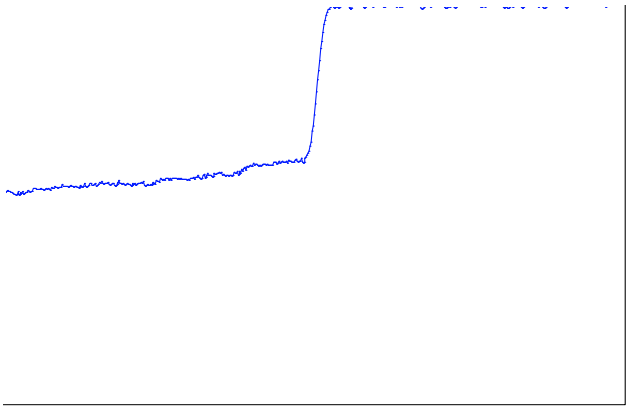
LOW BAND EDGE BLOCK-20MHz-100%RB



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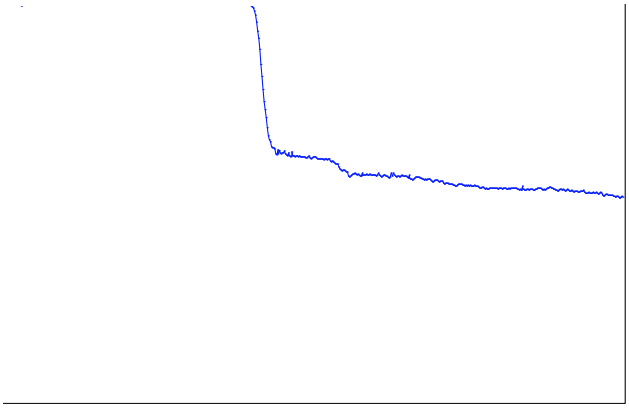
HIGH BAND EDGE BLOCK-20MHz-100%RB



Date: 24.MAR.2023 14:56:42

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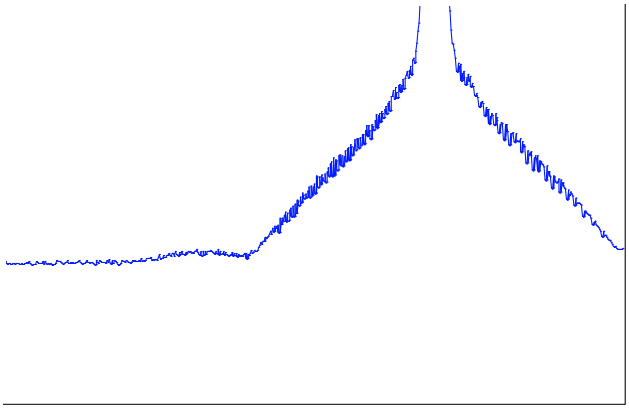
LTE band 71

LOW BAND EDGE BLOCK-1RB-low_offset



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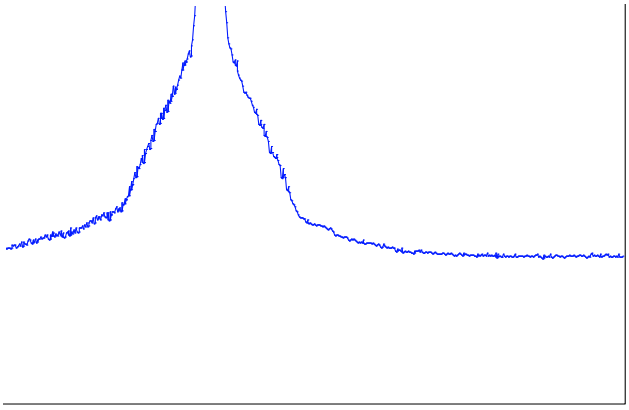
HIGH BAND EDGE BLOCK-1RB-high_offset



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