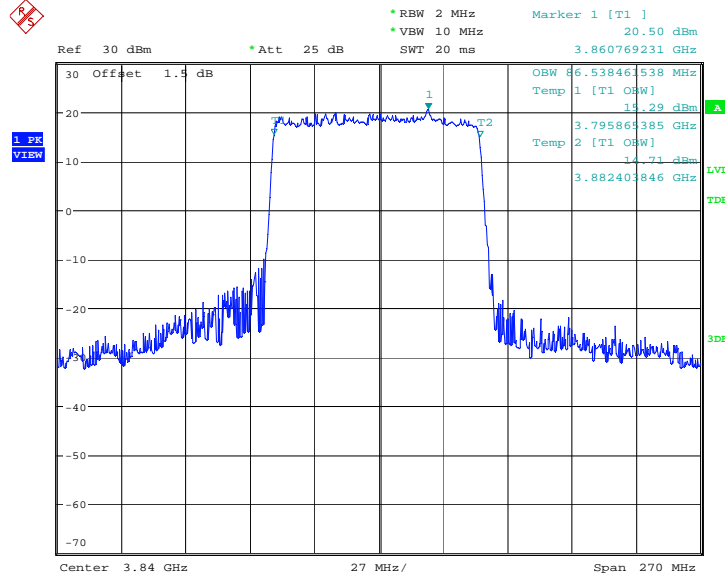
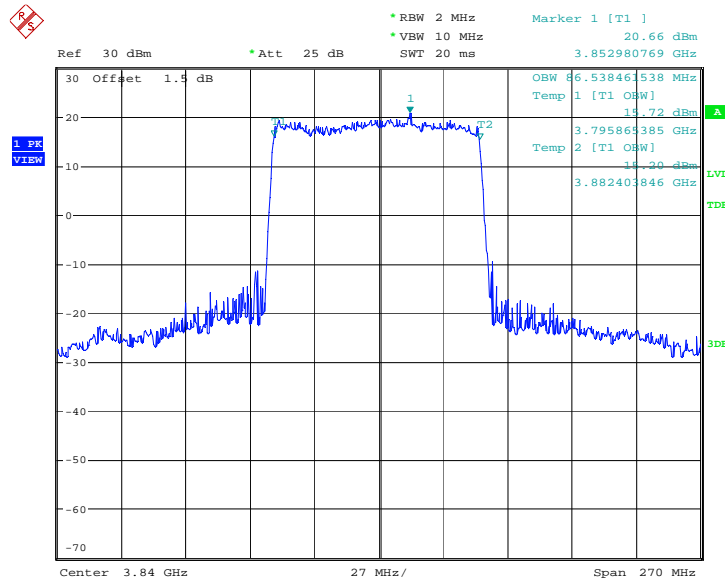


n77H,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	86.538	86.538

n77H,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)


Date: 8.NOV.2021 17:03:21

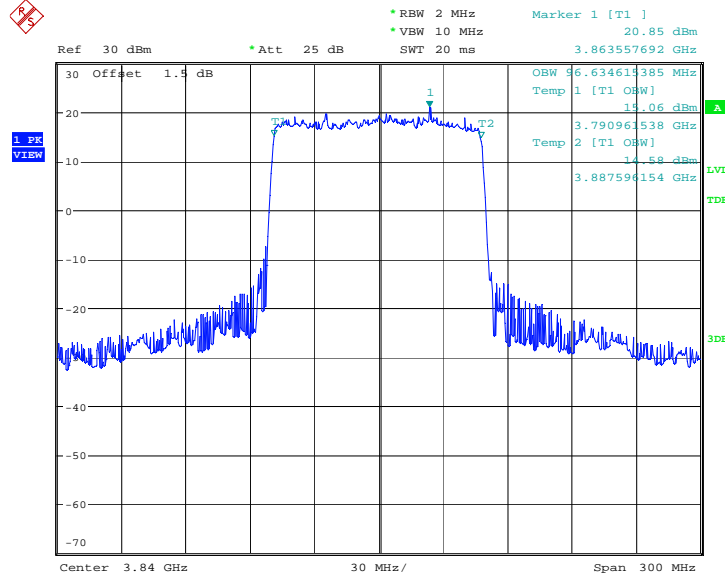
n77H,90MHz Bandwidth,DFT-s-QPSK (99% BW)


Date: 8.NOV.2021 17:03:41

n77H,100MHz(99%)

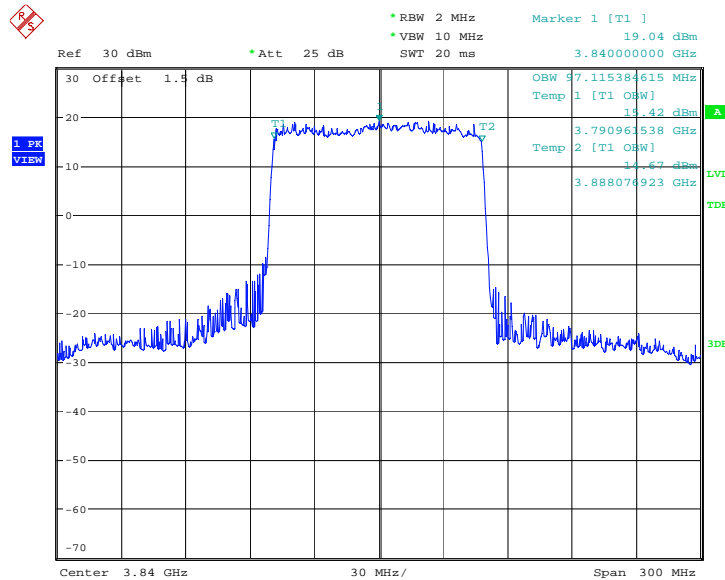
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	96.635	97.115

n77H,100MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



Date: 8.NOV.2021 17:04:20

n77H,100MHz Bandwidth,DFT-s-QPSK (99% BW)



Date: 8.NOV.2021 17:04:39

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.

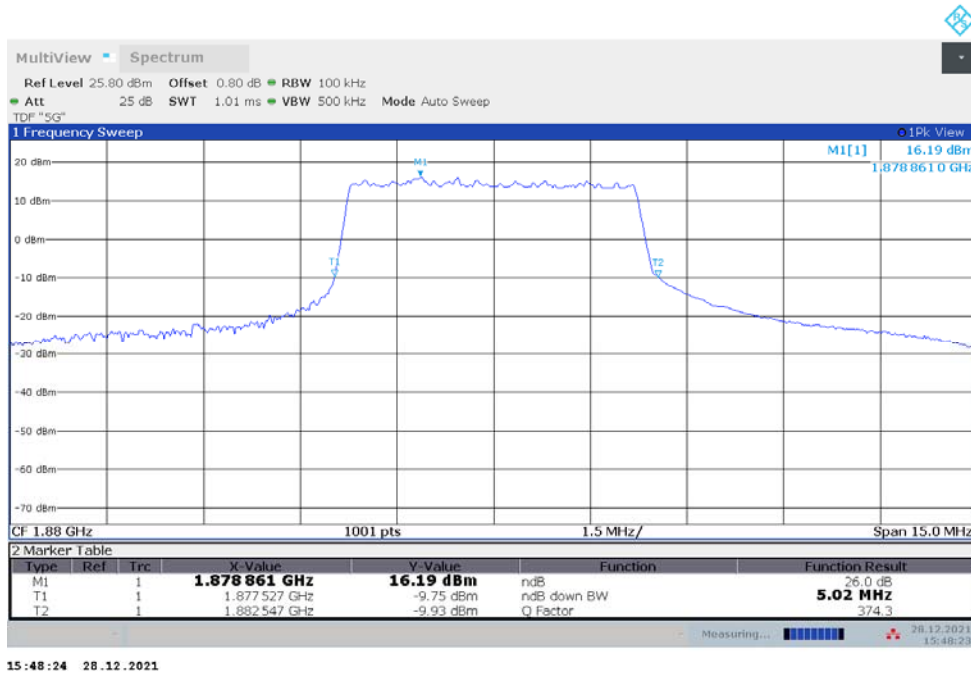
The measurement method is from ANSI C63.26:

- 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 $\geq 3 \times$ 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.

LTE Band 5+NR n2 n2,5MHz(-26dBc)

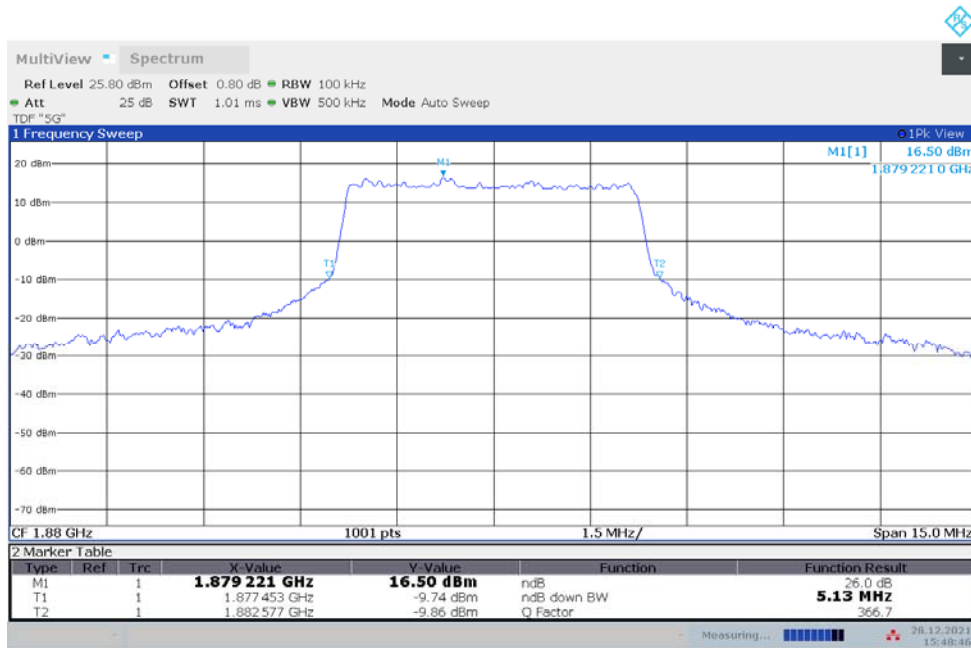
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1880	5.020	5.125

n2,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



15:48:24 28.12.2021

n2,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

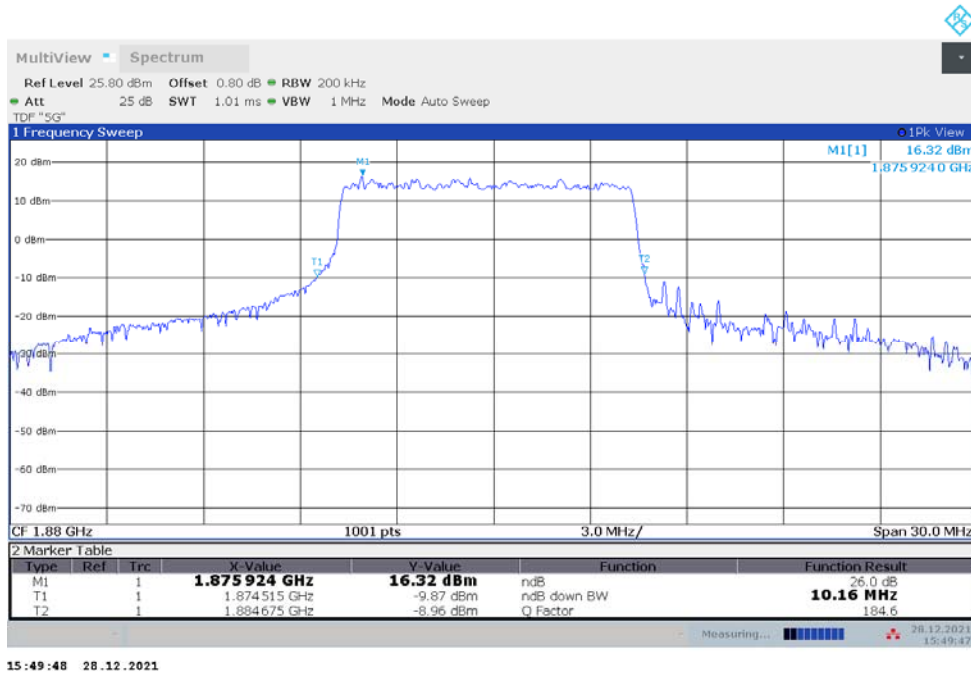


15:48:47 28.12.2021

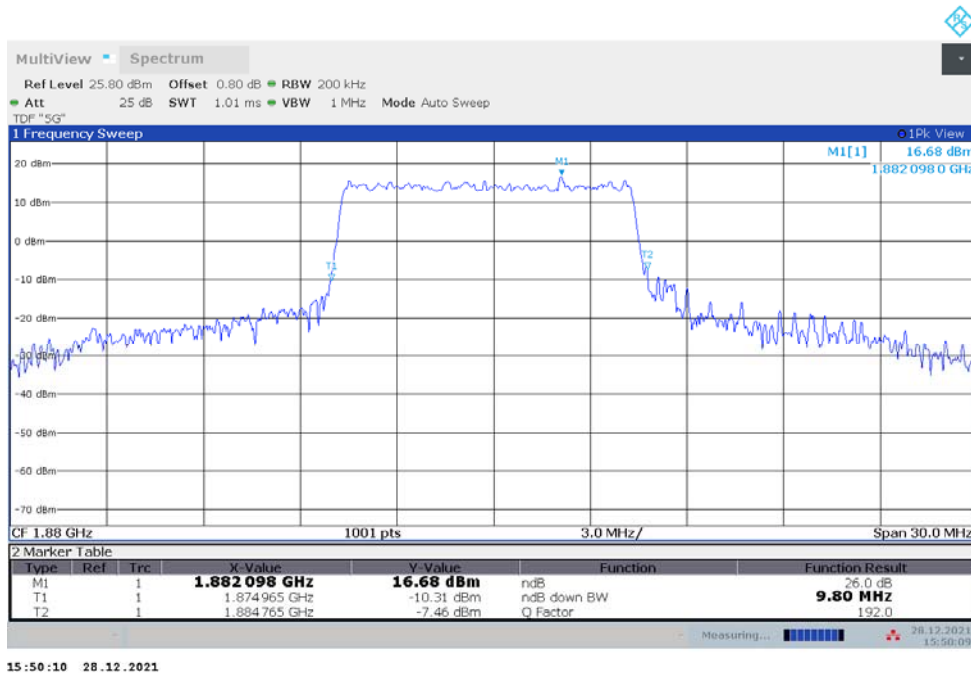
LTE Band 5+NR n2
n2,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1880	10.160	9.800

n2,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



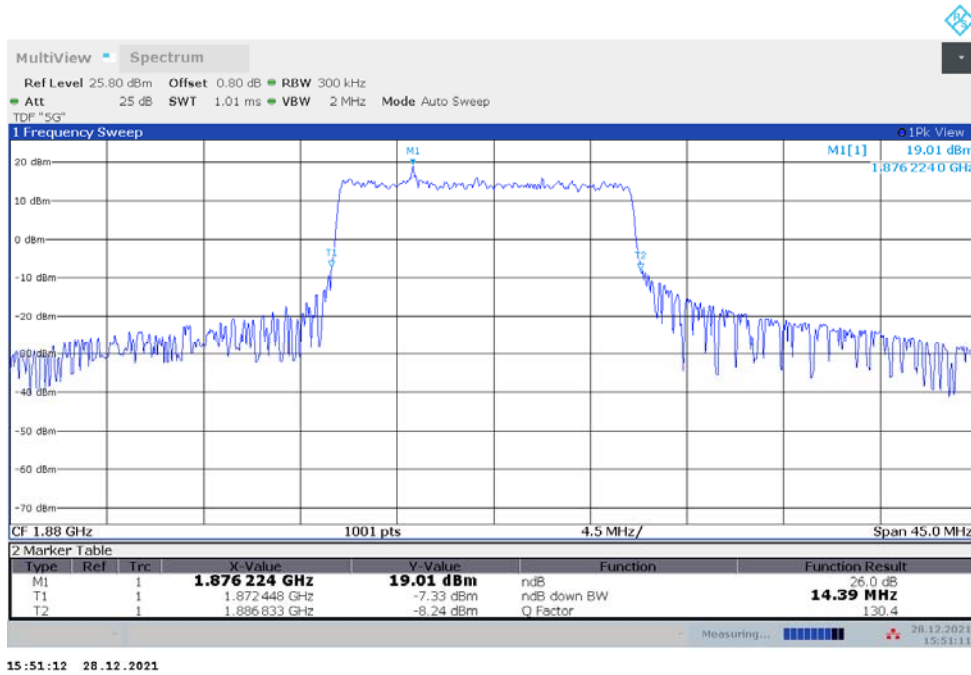
n2,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



LTE Band 5+NR n2
n2,15MHz(-26dBc)

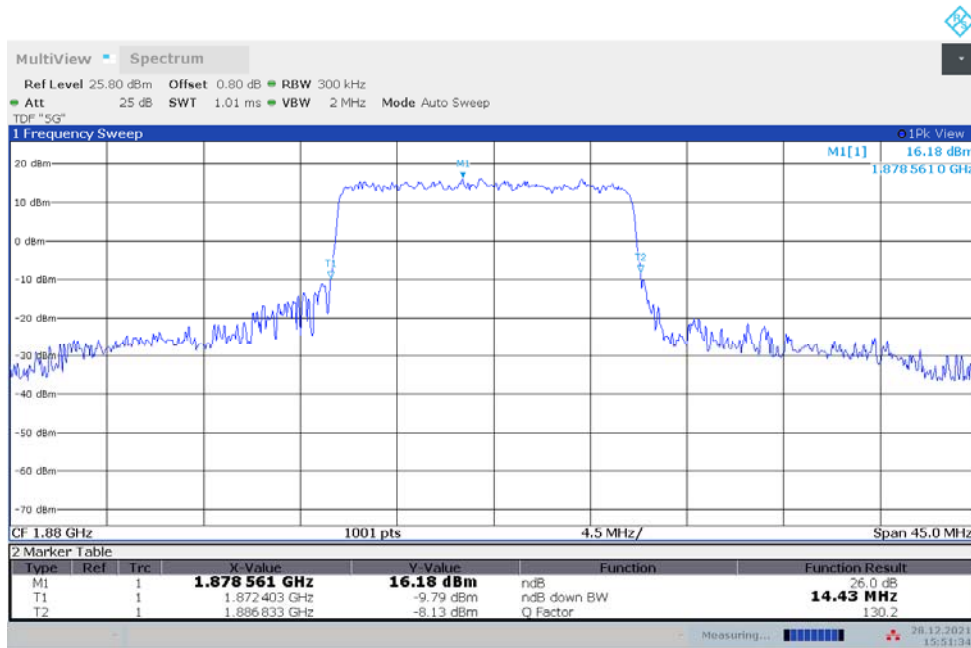
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1880	14.386	14.431

n2,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



15:51:12 28.12.2021

n2,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

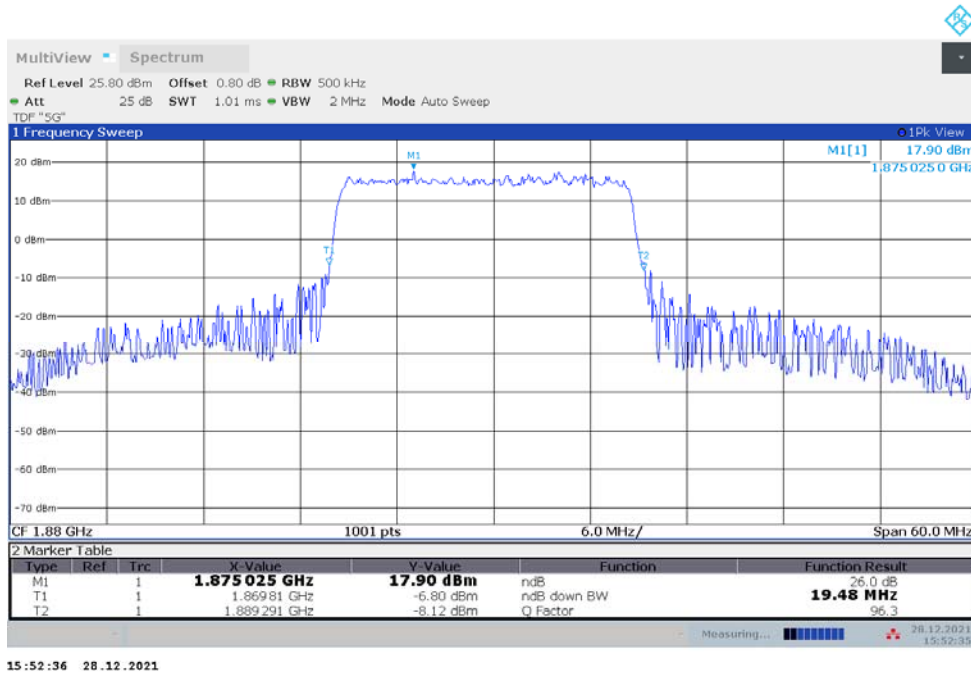


15:51:35 28.12.2021

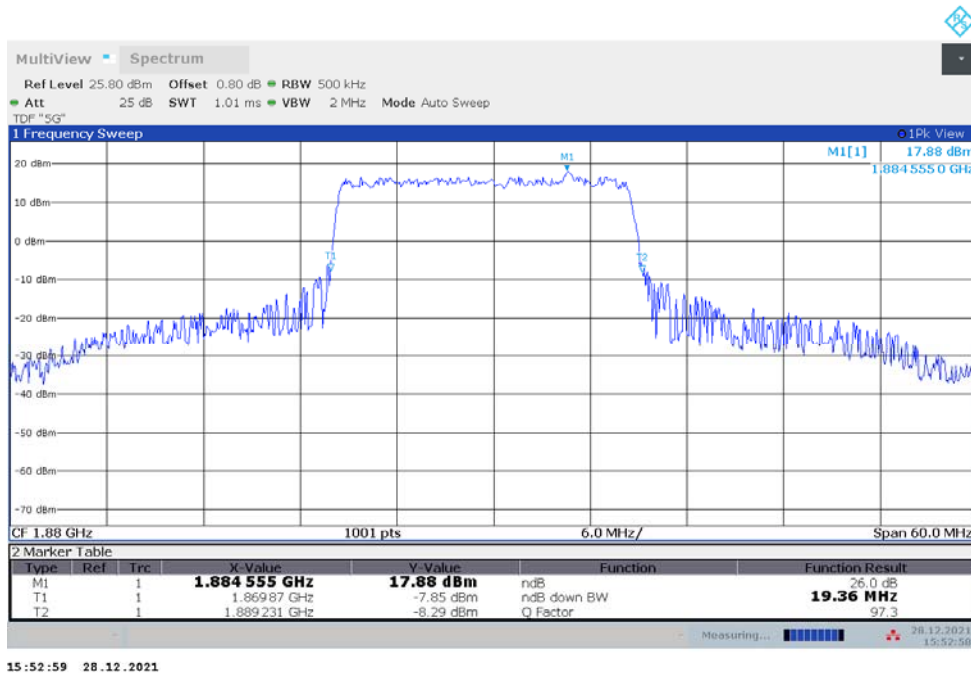
**LTE Band 5+NR n2
n2,20MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1880	19.481	19.361

n2,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



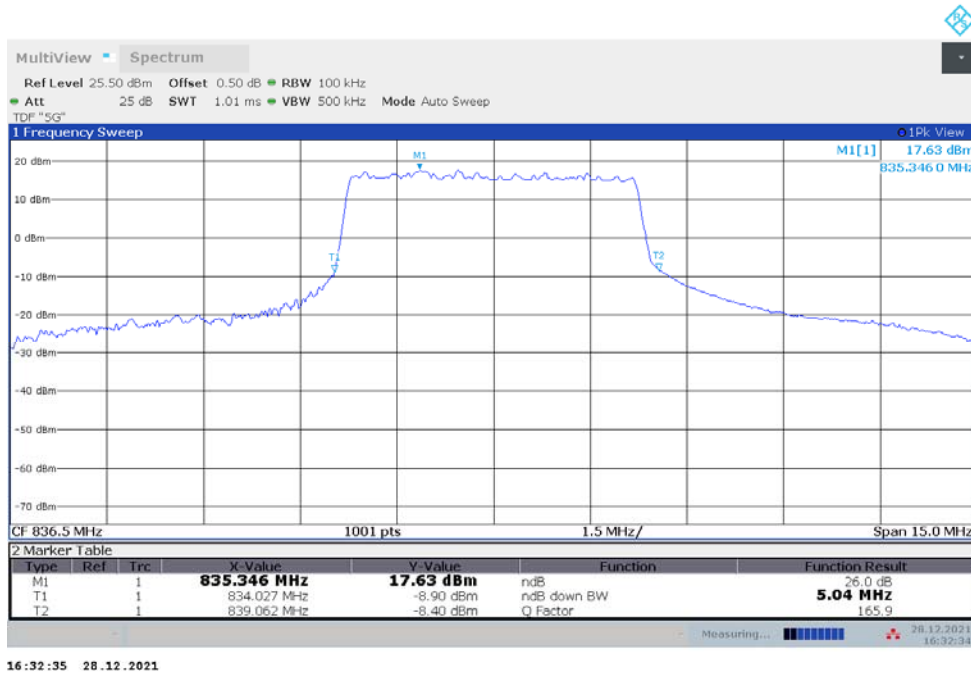
n2,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



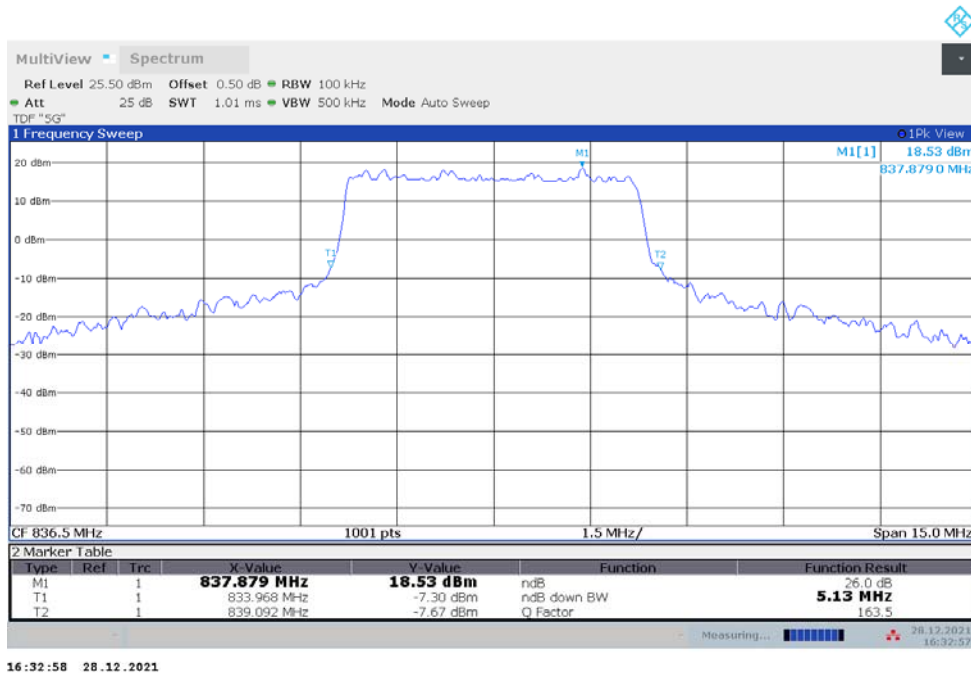
**LTE Band 2+NR n5
n5,5MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	5.035	5.125

n5,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



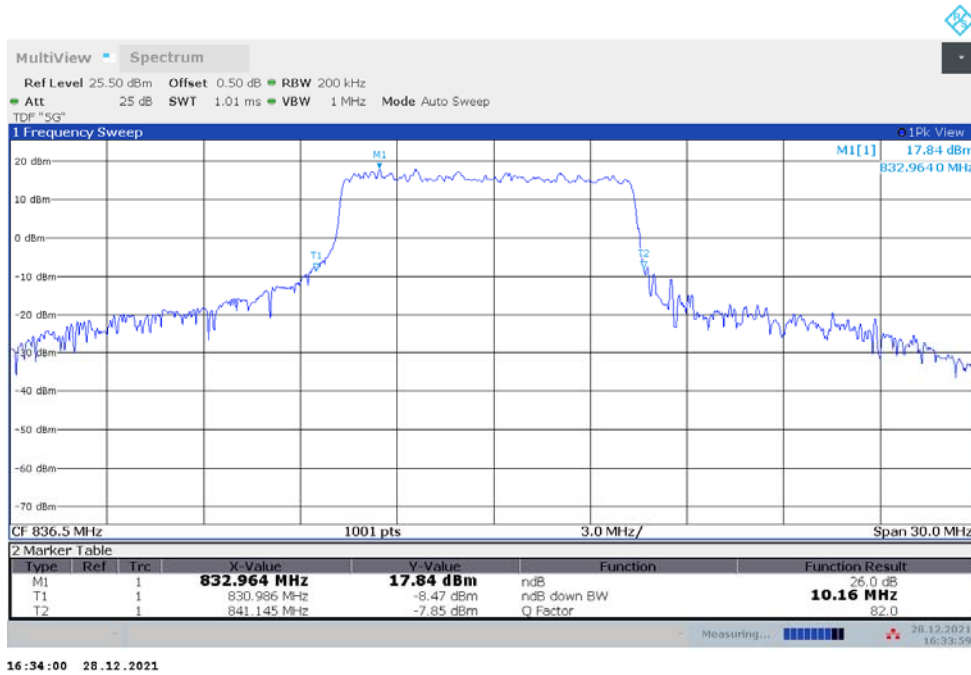
n5,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



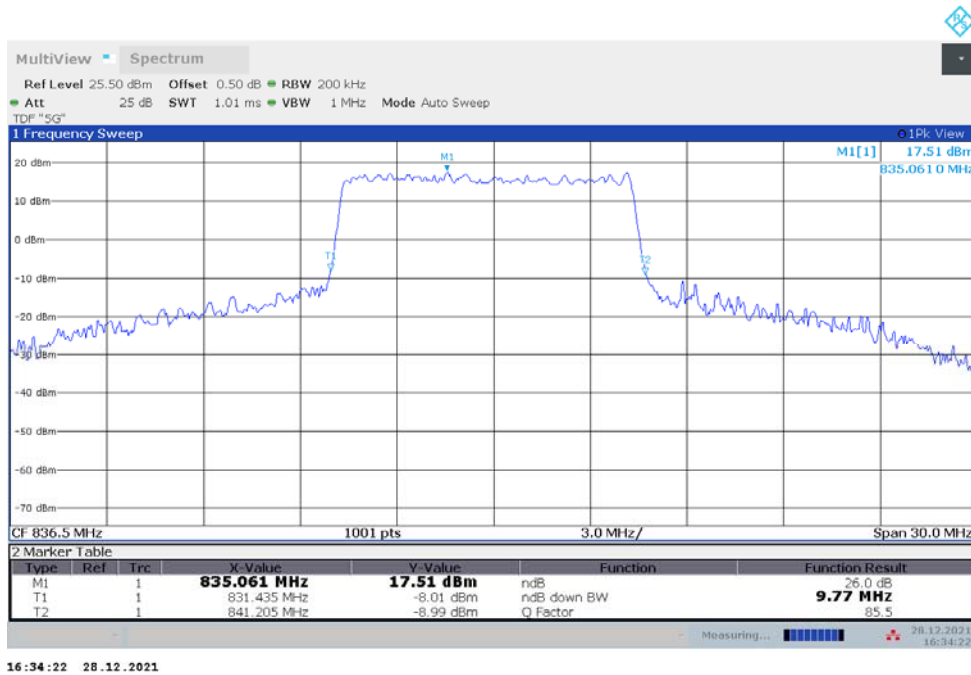
LTE Band 2+NR n5
n5,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	10.160	9.770

n5,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



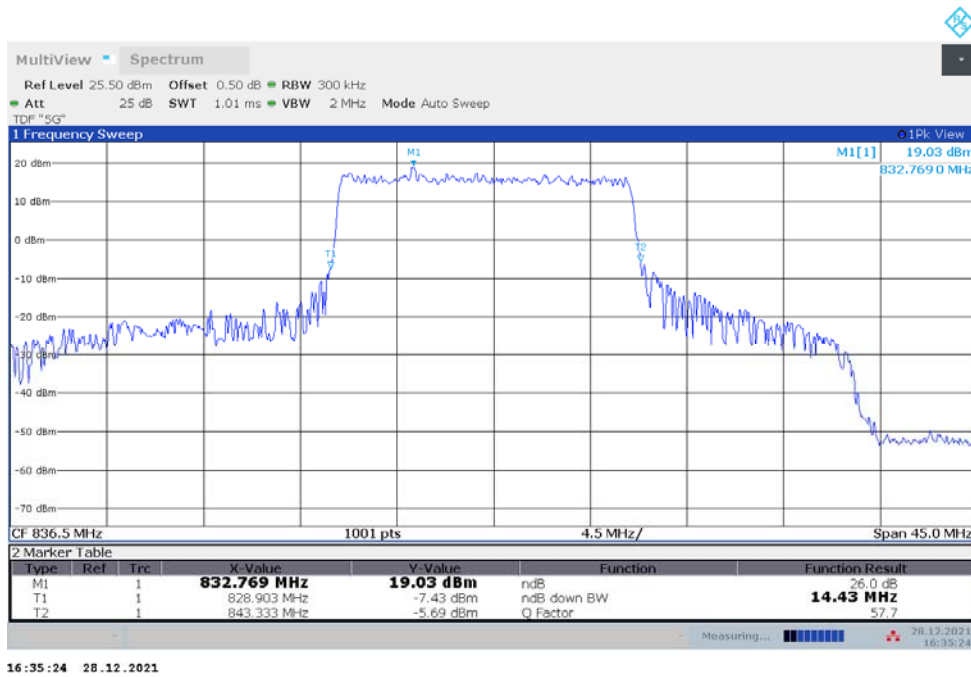
n5,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



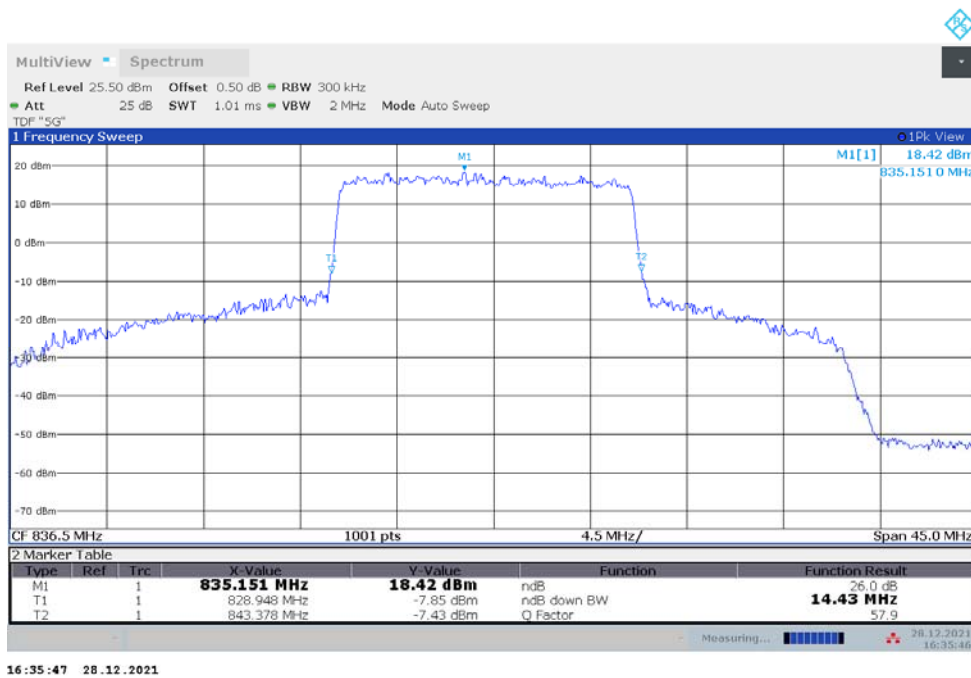
LTE Band 2+NR n5 n5,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	14.431	14.431

n5,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n5,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



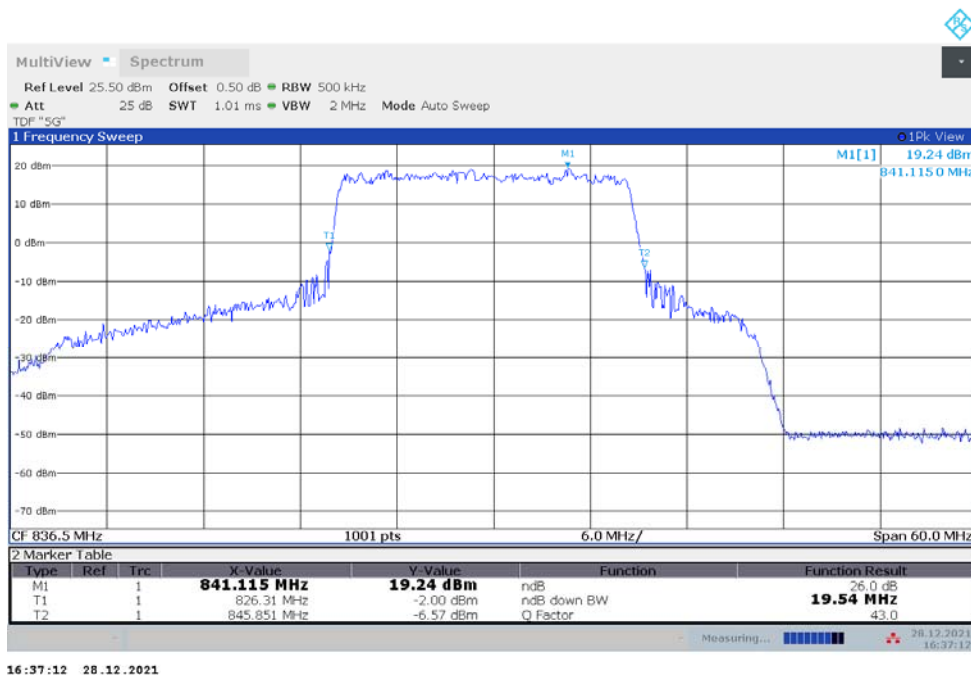
LTE Band 2+NR n5
n5,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	19.361	19.540

n5,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



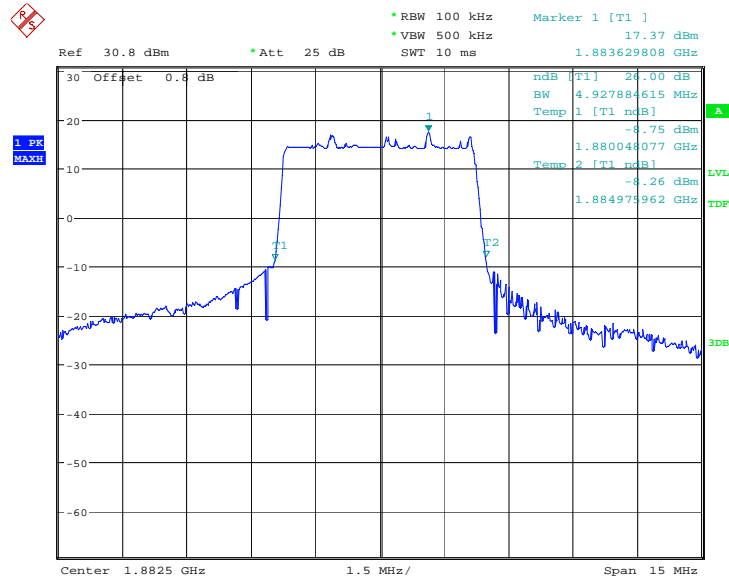
n5,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



LTE Band 12+NR n25
n25,5MHz(-26dBc)

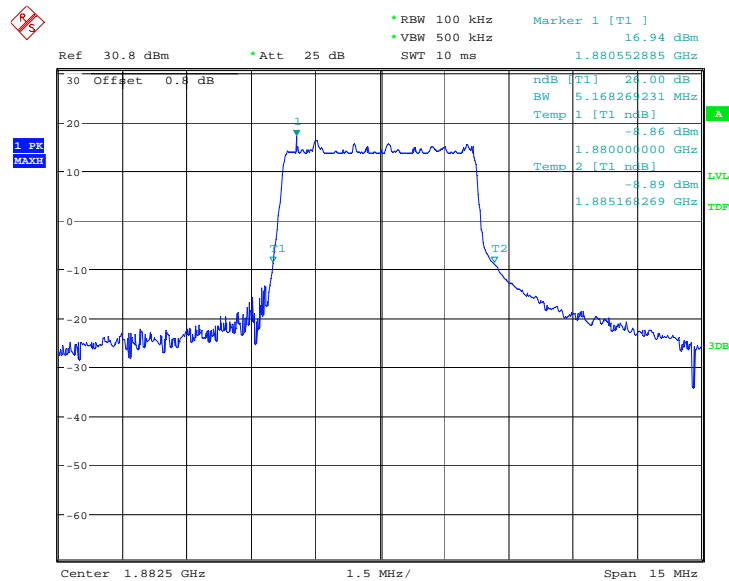
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1882.5	4.928	5.168

n25,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 14:50:16

n25,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

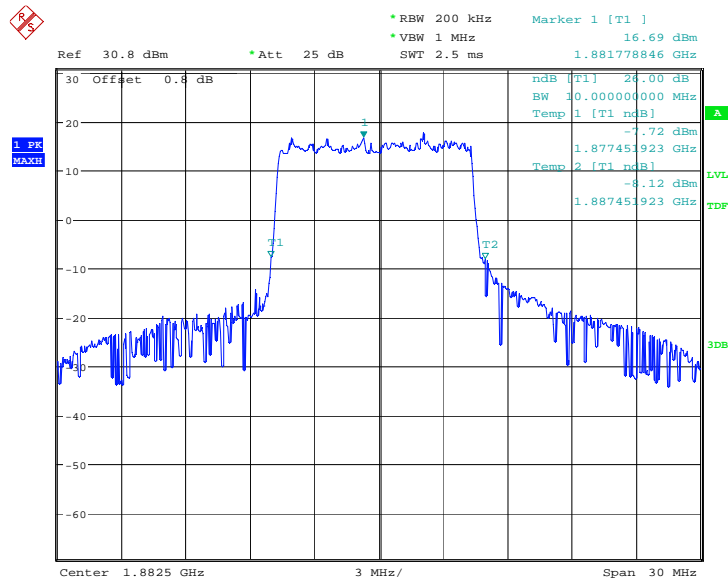


Date: 9.NOV.2021 14:50:36

LTE Band 12+NR n25
n25,10MHz(-26dBc)

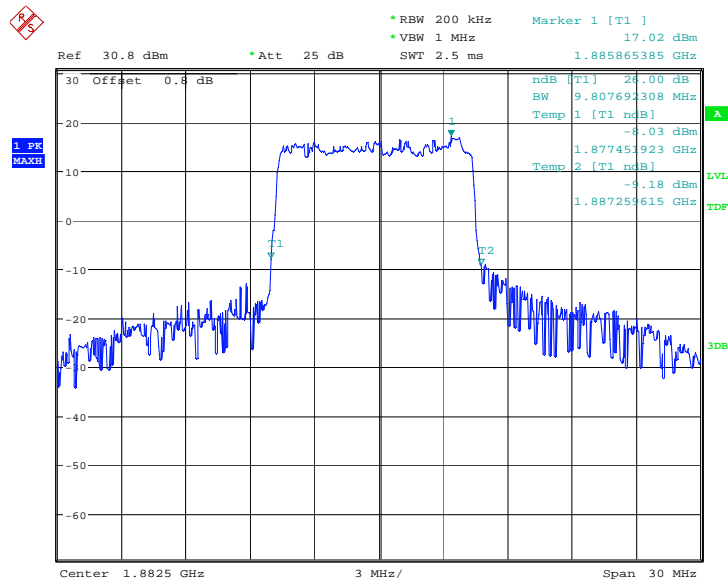
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1882.5	10.000	9.808

n25,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 14:51:51

n25,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

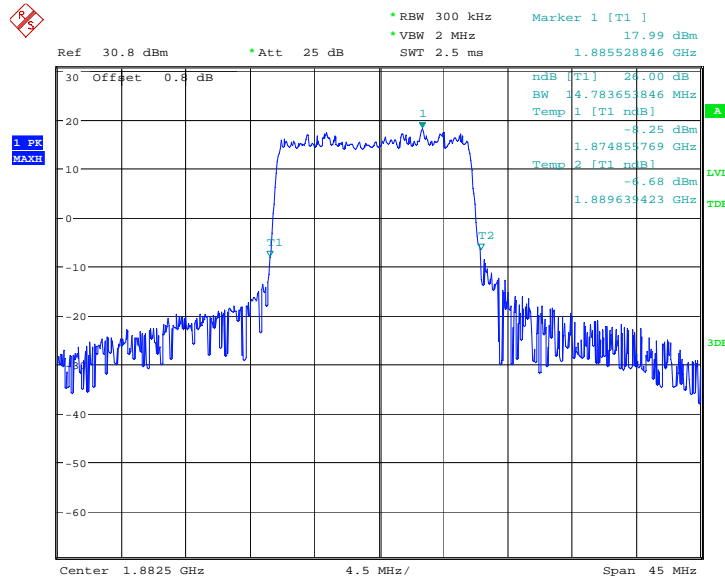


Date: 9.NOV.2021 14:52:10

LTE Band 12+NR n25
n25,15MHz(-26dBc)

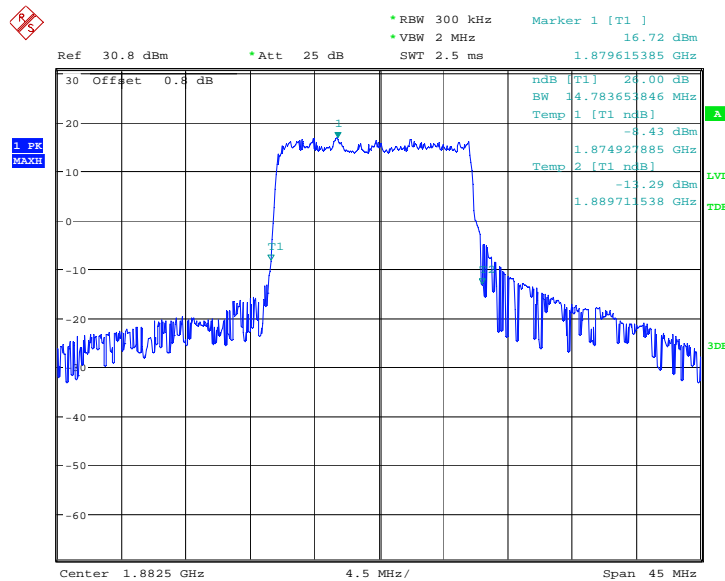
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1882.5	14.784	14.784

n25,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 14:53:24

n25,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

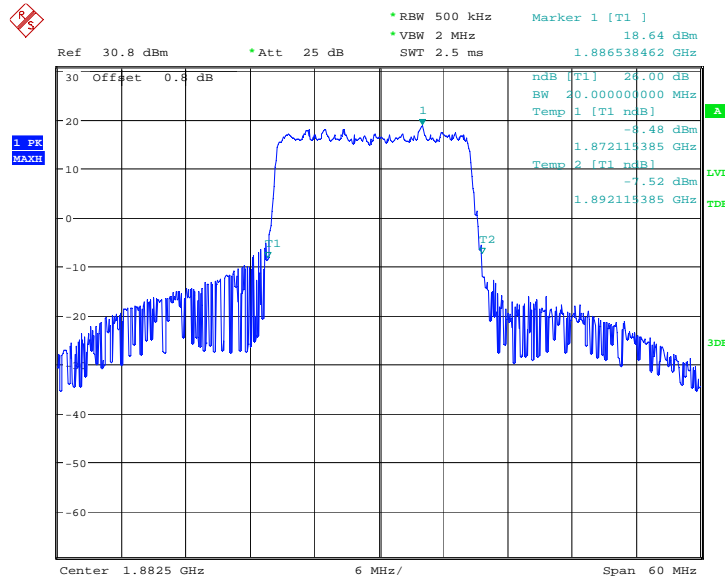


Date: 9.NOV.2021 14:53:43

LTE Band 12+NR n25
n25,20MHz(-26dBc)

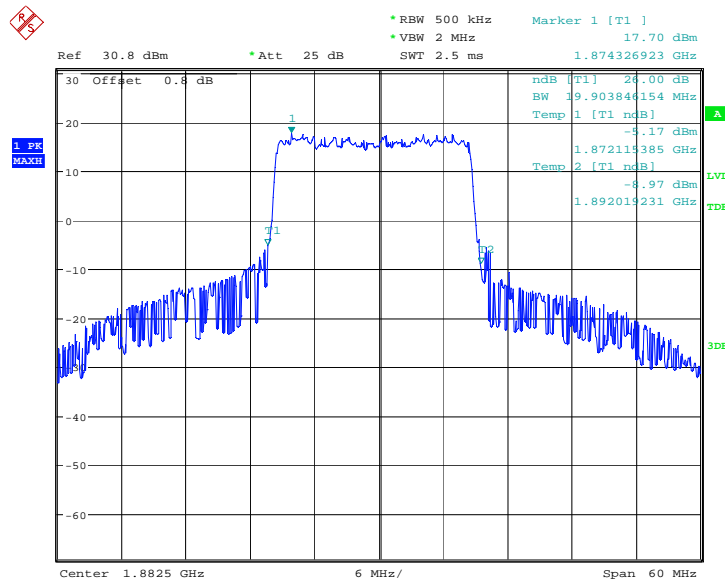
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1882.5	20.000	19.904

n25,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 14:54:57

n25,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

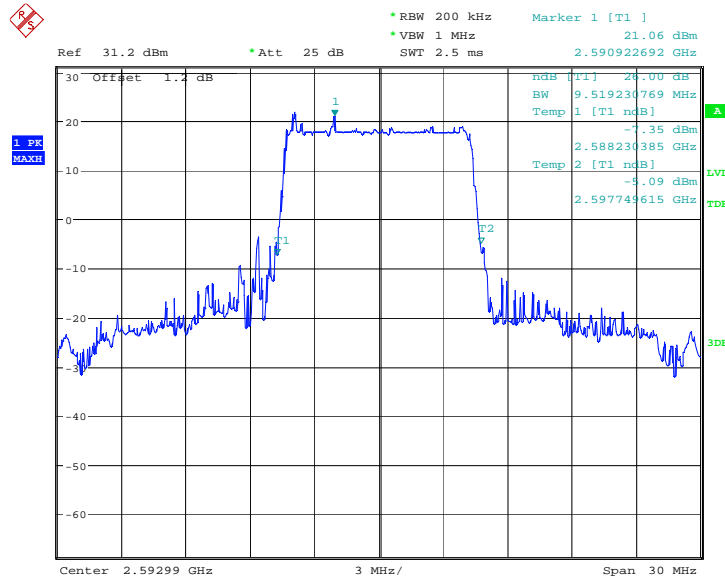


Date: 9.NOV.2021 14:55:17

LTE Band 66+NR n41
n41,10MHz(-26dBc)

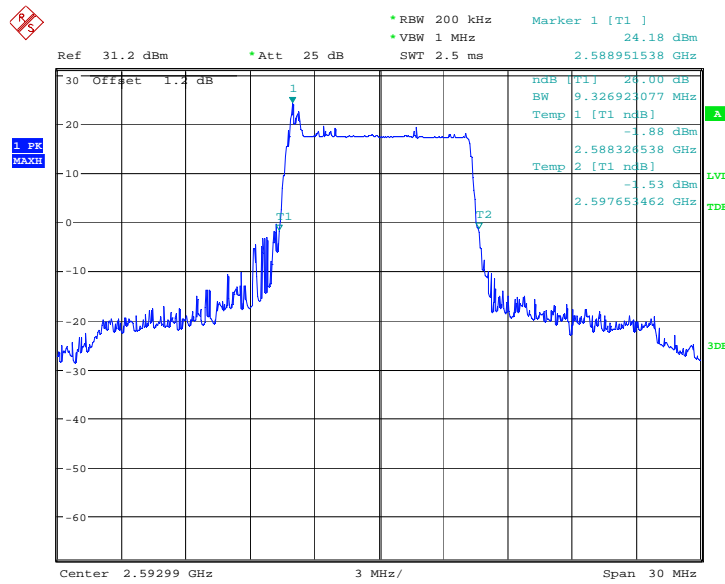
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	9.519	9.327

n41,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 10:56:00

n41,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

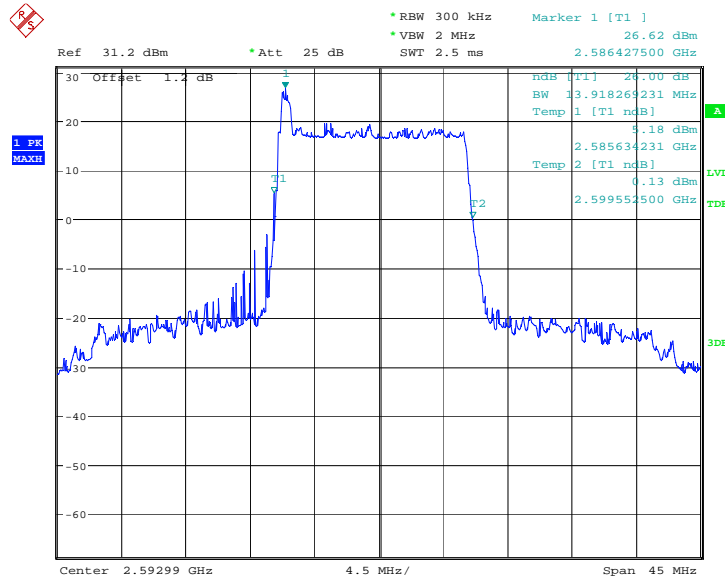


Date: 9.NOV.2021 12:45:48

LTE Band 66+NR n41
n41,15MHz(-26dBc)

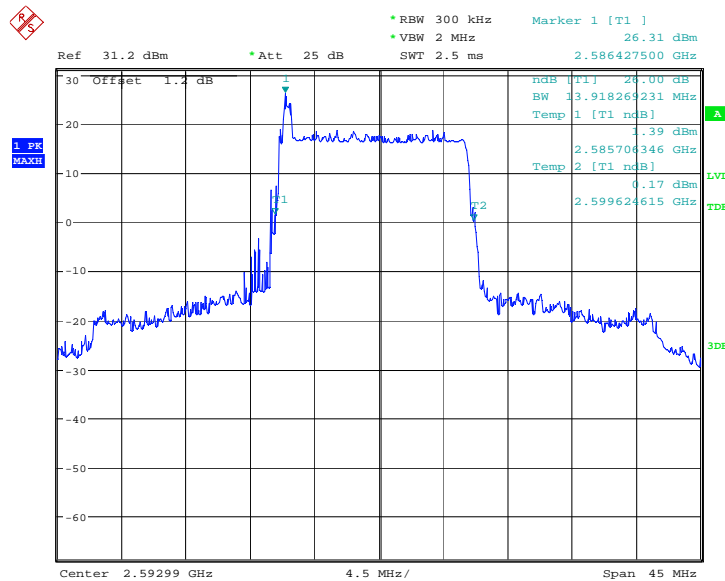
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	13.918	13.918

n41,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 12:47:06

n41,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

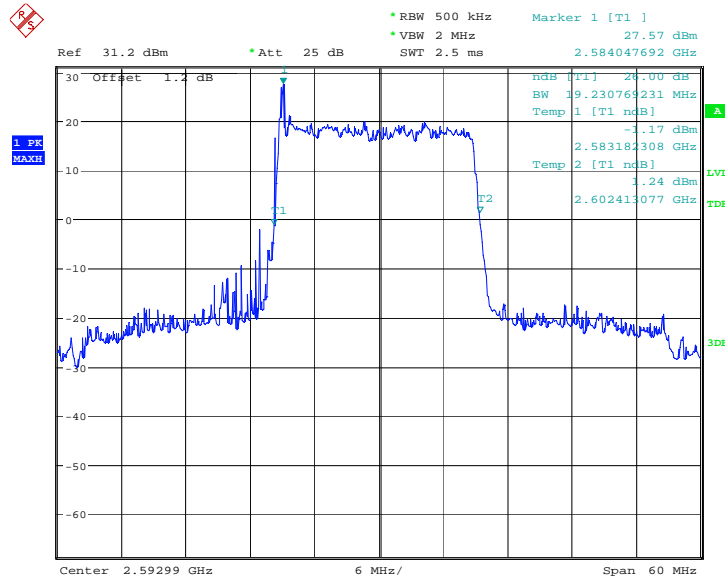


Date: 9.NOV.2021 12:48:20

**LTE Band 66+NR n41
n41,20MHz(-26dBc)**

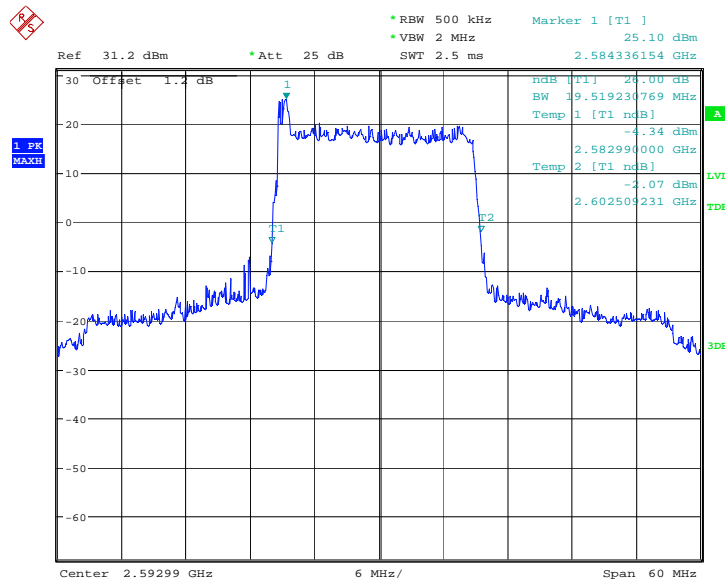
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	19.231	19.519

n41,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 11:03:38

n41,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

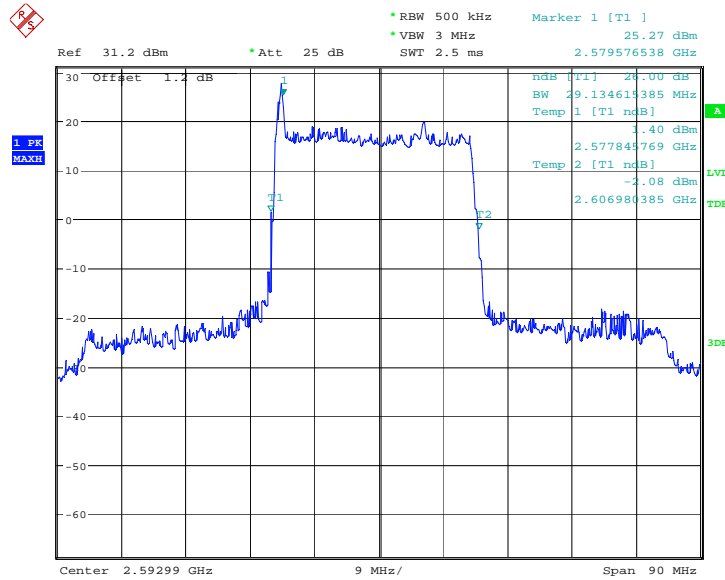


Date: 9.NOV.2021 11:04:52

LTE Band 66+NR n41
n41,30MHz(-26dBc)

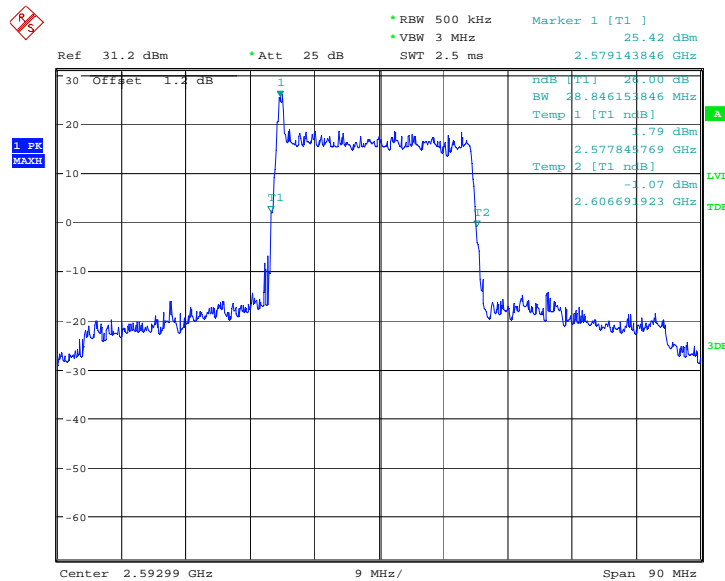
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	29.135	28.846

n41,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 11:06:11

n41,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

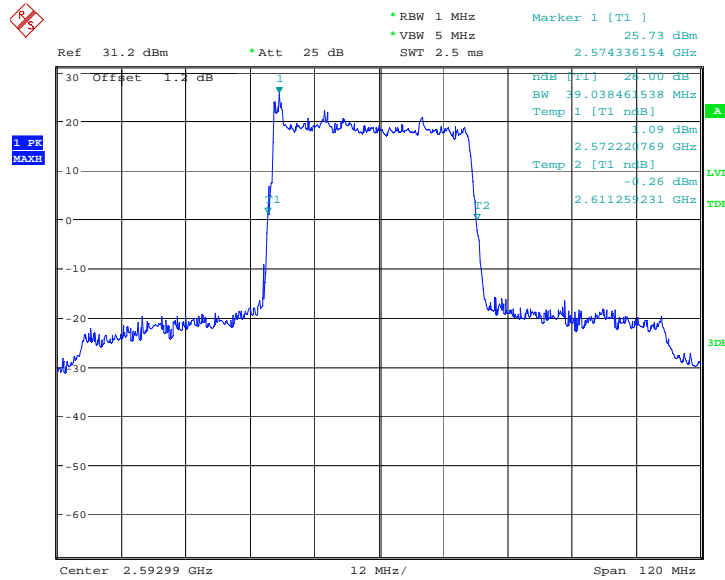


Date: 9.NOV.2021 11:07:25

**LTE Band 66+NR n41
n41,40MHz(-26dBc)**

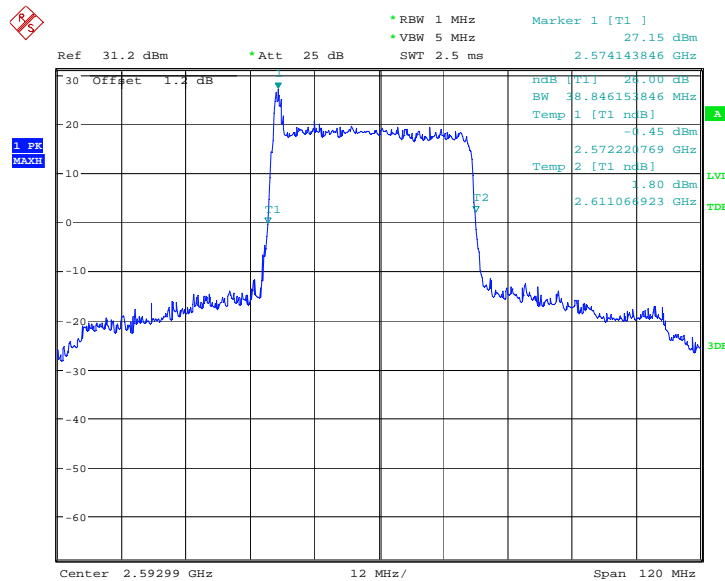
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	39.038	38.846

n41,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 11:08:43

n41,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

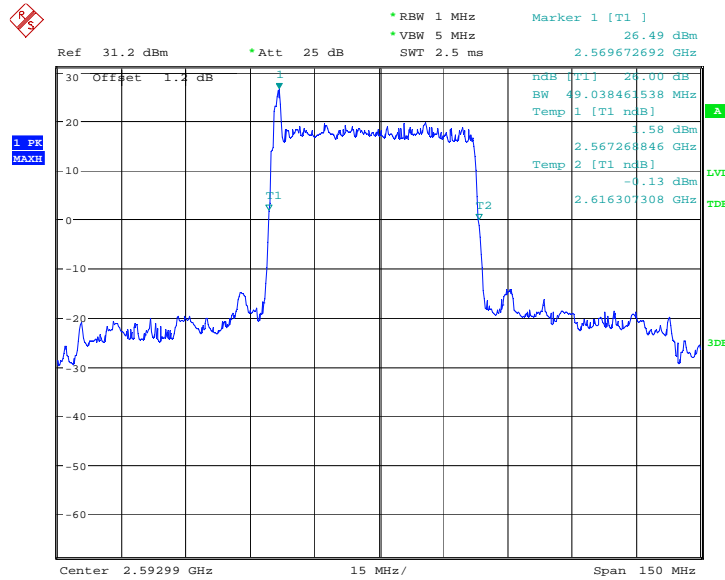


Date: 9.NOV.2021 11:09:57

LTE Band 66+NR n41
n41,50MHz(-26dBc)

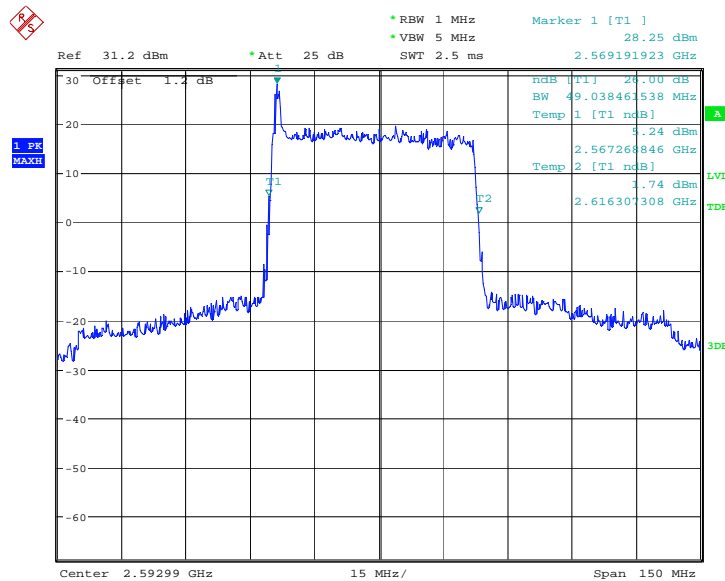
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	49.038	49.038

n41,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 11:11:15

n41,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

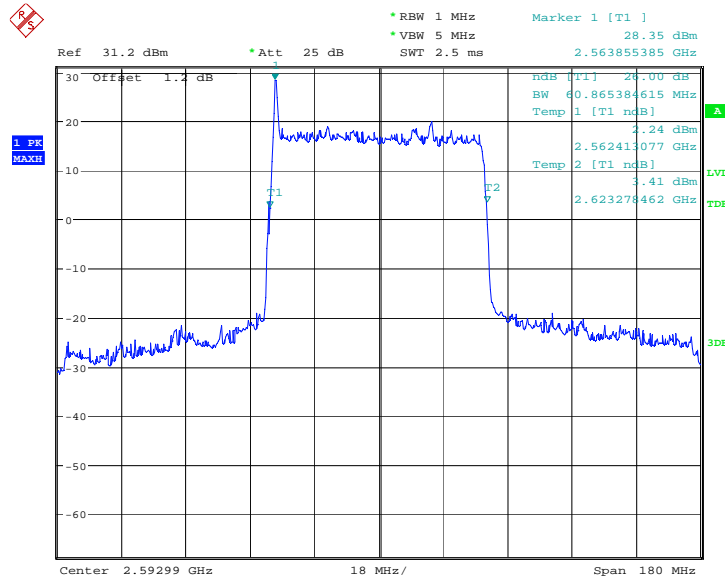


Date: 9.NOV.2021 11:12:29

LTE Band 66+NR n41
n41,60MHz(-26dBc)

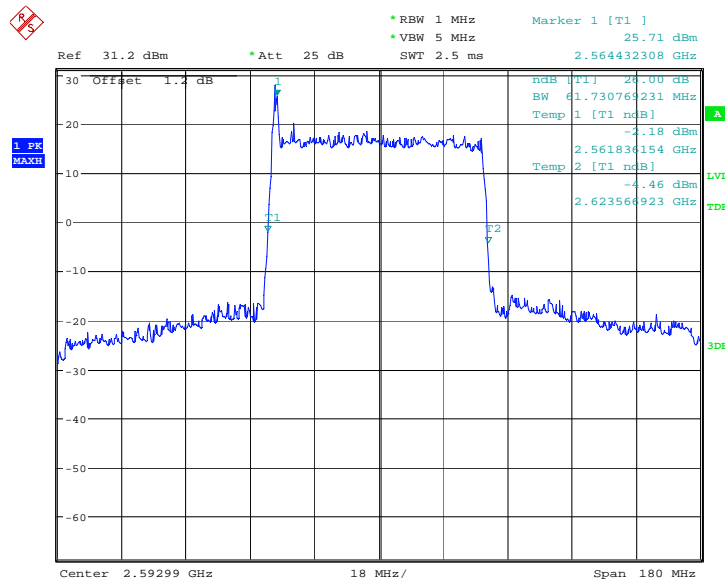
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	60.865	61.731

n41,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 11:13:48

n41,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

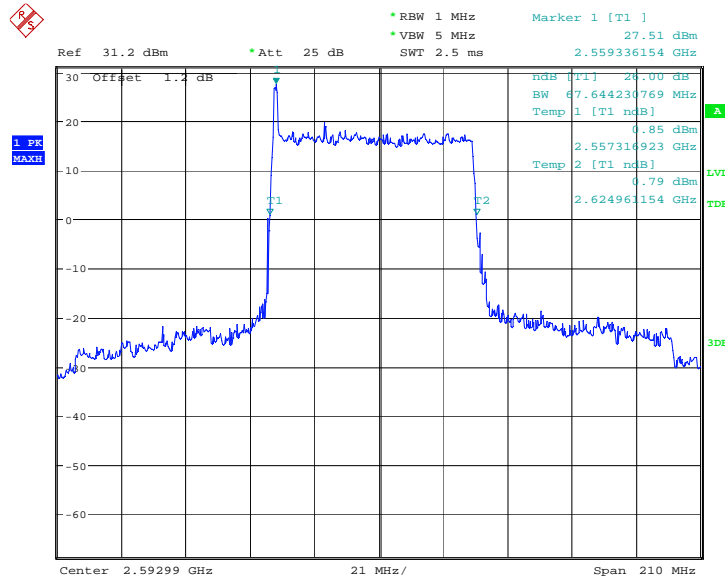


Date: 9.NOV.2021 11:15:01

LTE Band 66+NR n41
n41,70MHz(-26dBc)

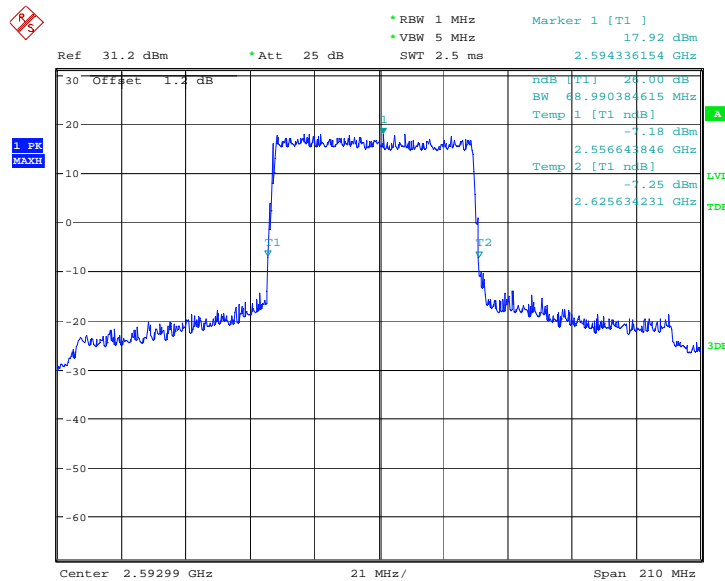
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	67.644	68.990

n41,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 11:16:20

n41,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

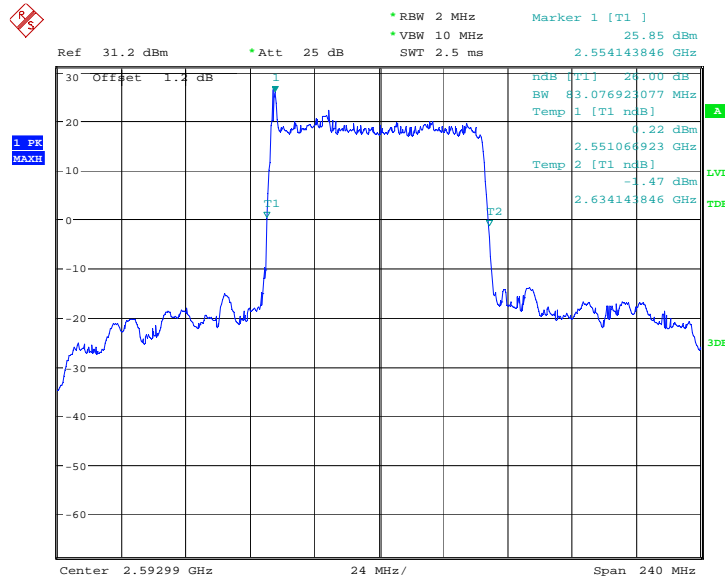


Date: 9.NOV.2021 11:17:33

LTE Band 66+NR n41
n41,80MHz(-26dBc)

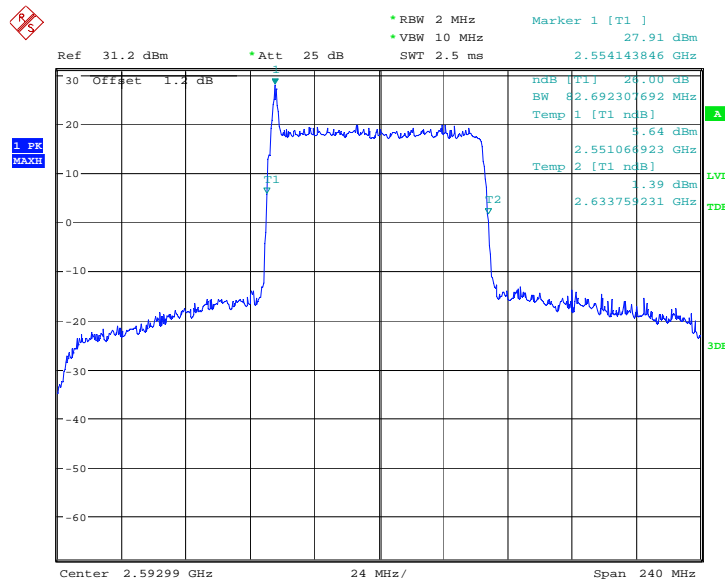
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	83.077	82.692

n41,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 11:18:51

n41,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

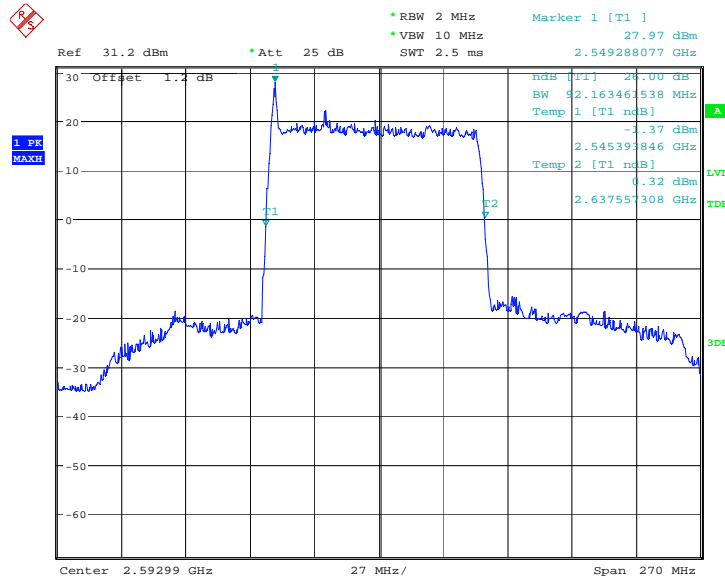


Date: 9.NOV.2021 11:20:05

LTE Band 66+NR n41
n41,90MHz(-26dBc)

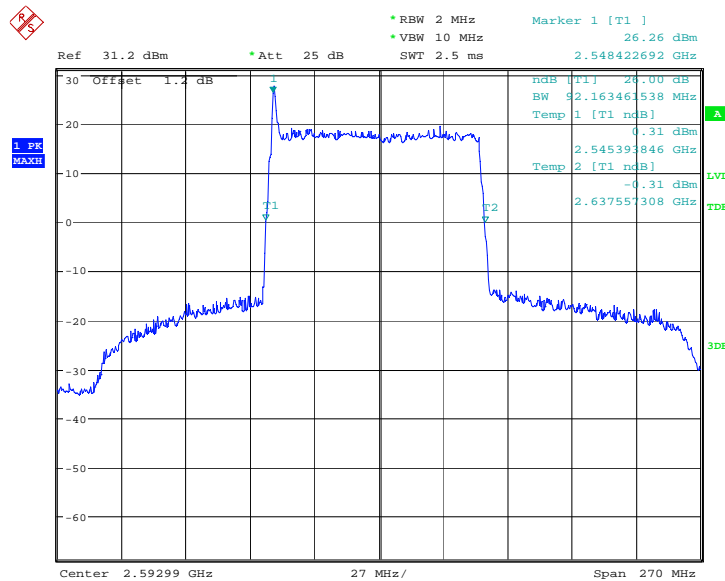
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	92.163	92.163

n41,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 11:21:24

n41,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

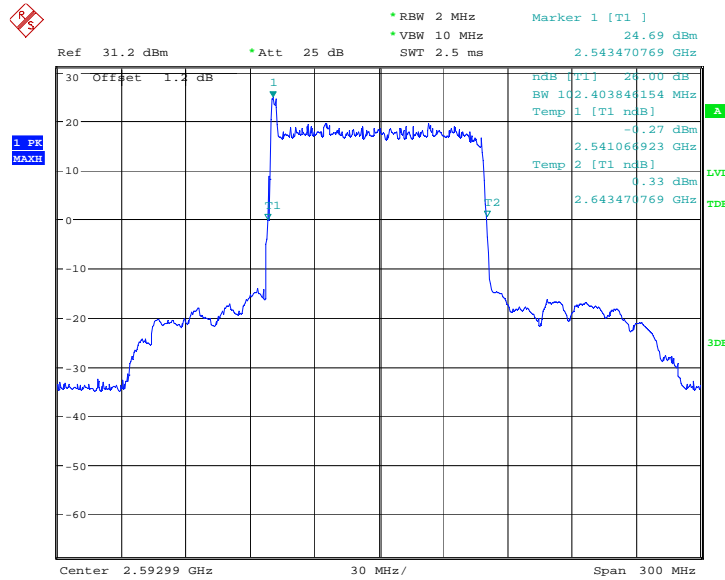


Date: 9.NOV.2021 11:22:39

LTE Band 66+NR n41
n41,100MHz(-26dBc)

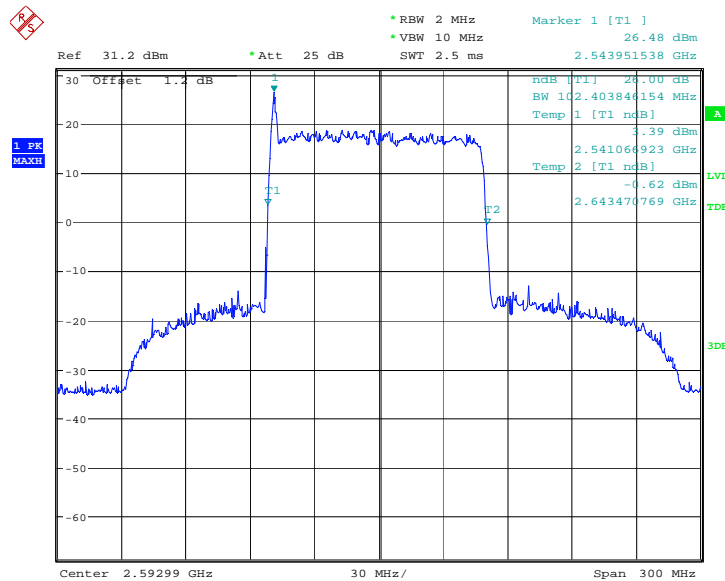
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	102.404	102.404

n41,100MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 11:23:57

n41,100MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

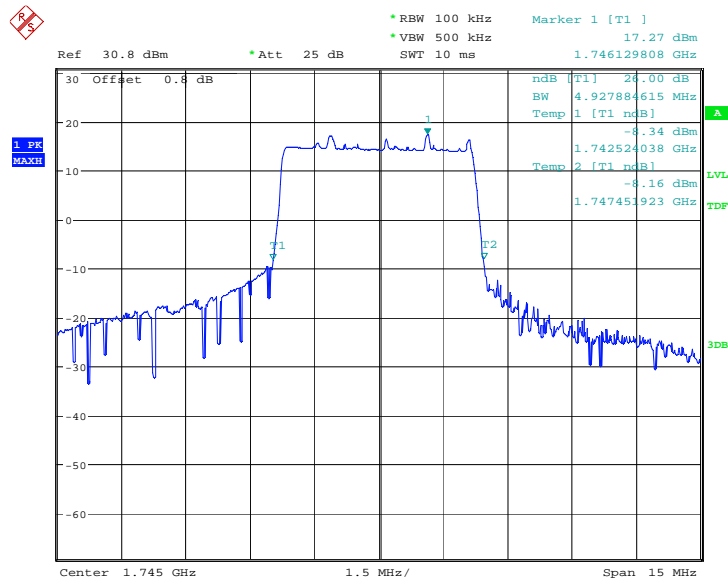


Date: 9.NOV.2021 11:25:11

LTE Band 12+NR n66
n66,5MHz(-26dBc)

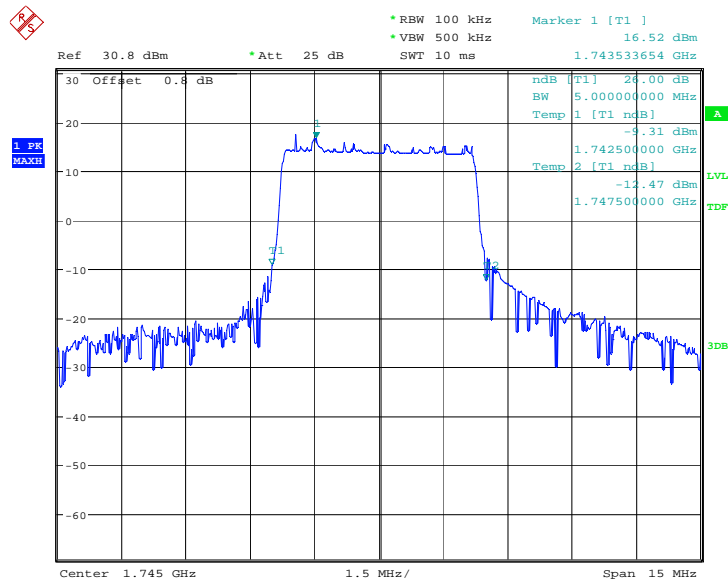
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	4.928	5.000

n66,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 14:56:34

n66,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

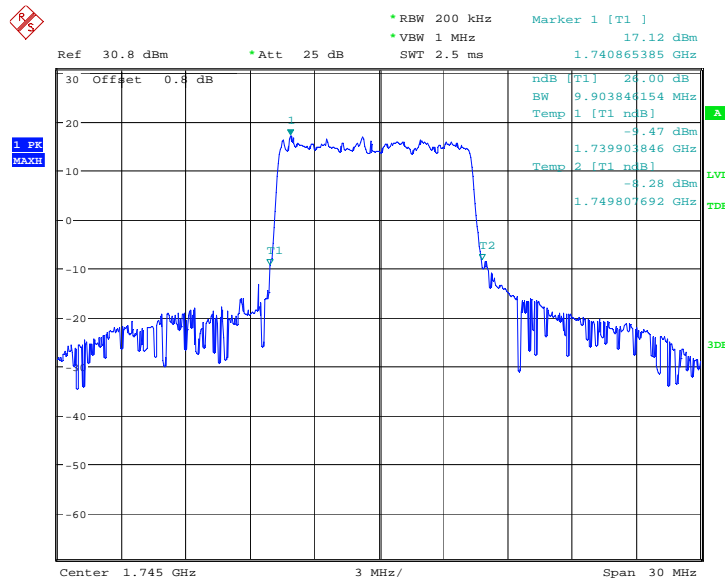


Date: 9.NOV.2021 14:56:53

LTE Band 12+NR n66
n66,10MHz(-26dBc)

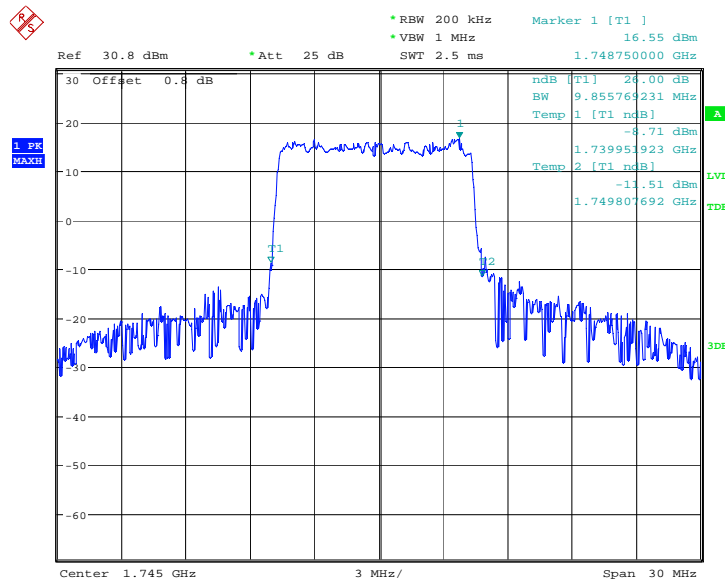
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	9.904	9.856

n66,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 14:58:08

n66,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

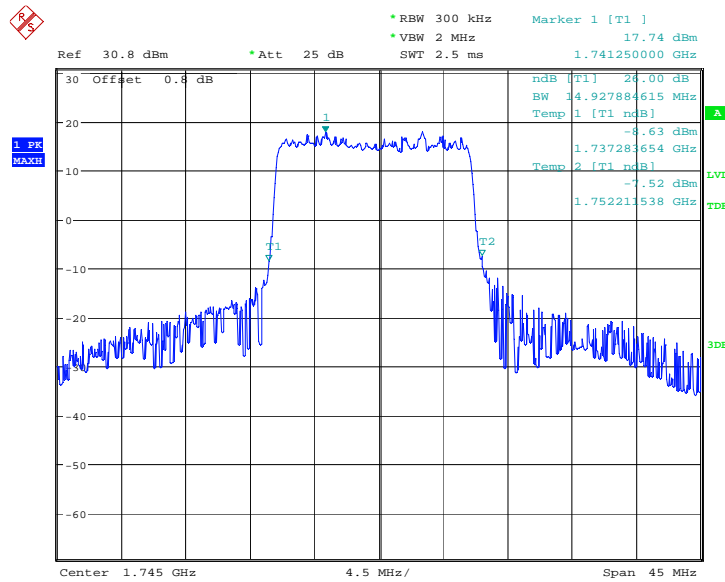


Date: 9.NOV.2021 14:58:28

LTE Band 12+NR n66
n66,15MHz(-26dBc)

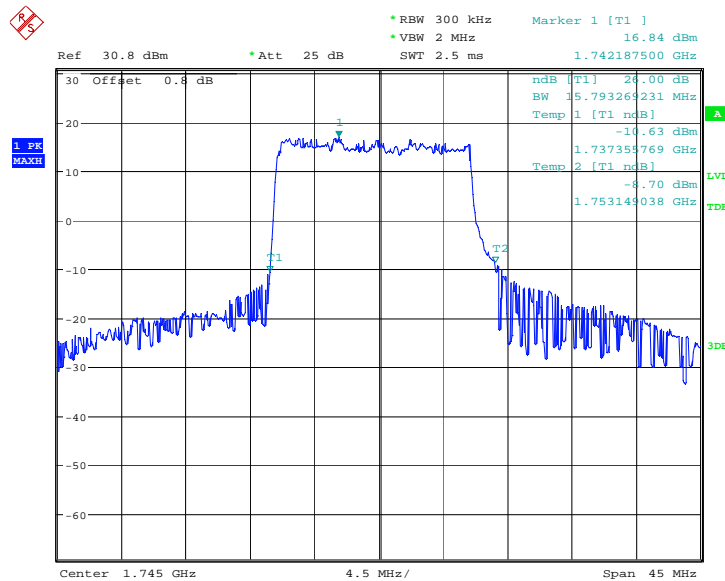
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	14.856	15.793

n66,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 15:00:01

n66,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

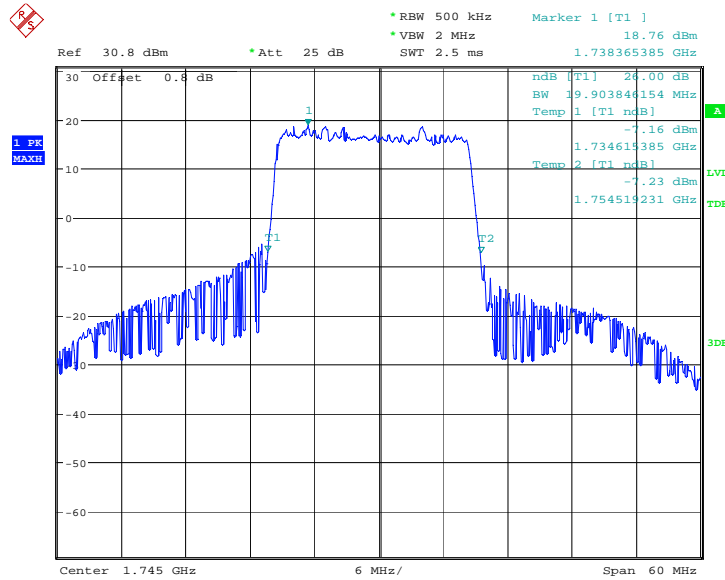


Date: 9.NOV.2021 15:00:20

LTE Band 12+NR n66
n66,20MHz(-26dBc)

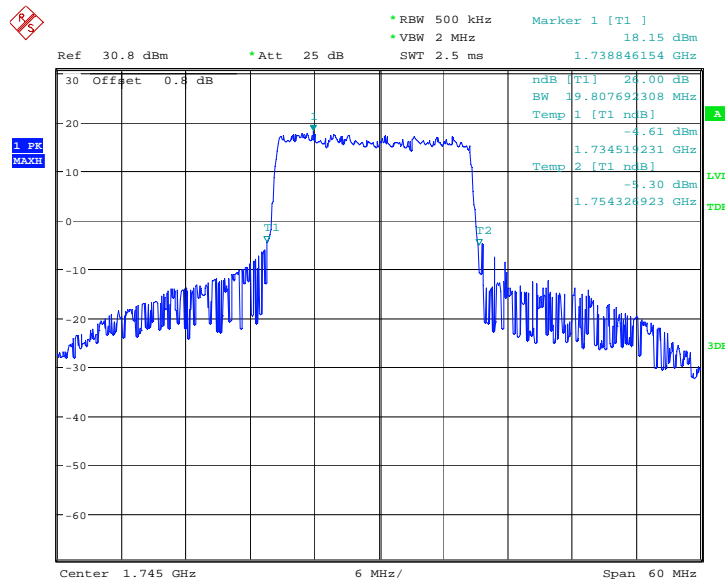
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	19.904	19.808

n66,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 15:01:36

n66,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

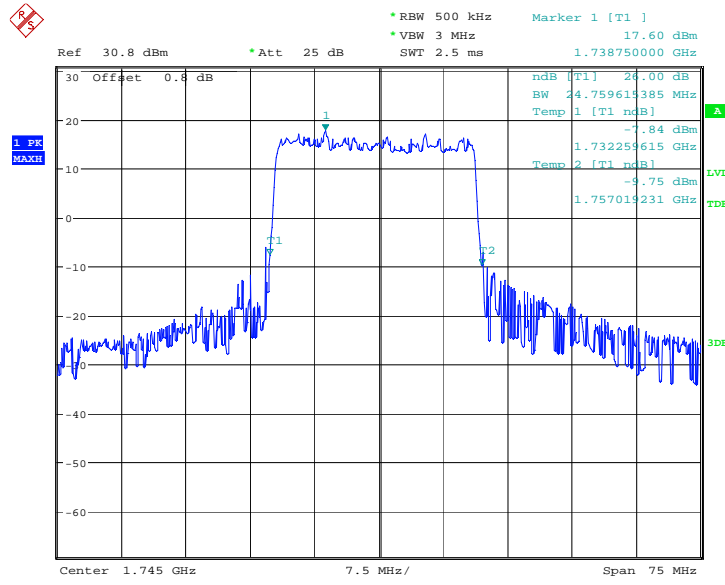


Date: 9.NOV.2021 15:01:55

LTE Band 12+NR n66
n66,25MHz(-26dBc)

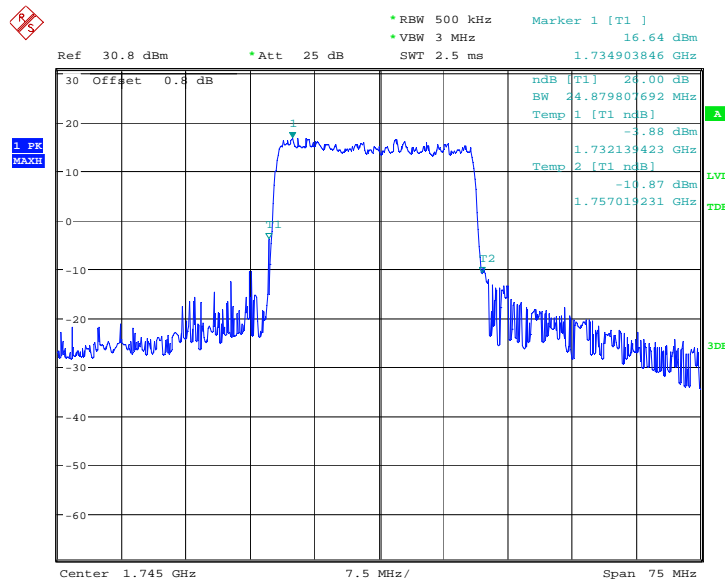
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	24.639	24.880

n66,25MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 15:03:11

n66,25MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

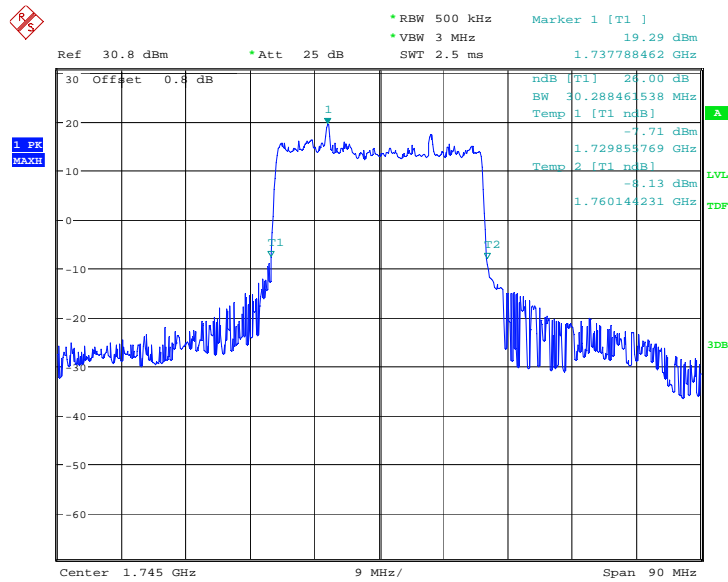


Date: 9.NOV.2021 15:03:30

LTE Band 12+NR n66
n66,30MHz(-26dBc)

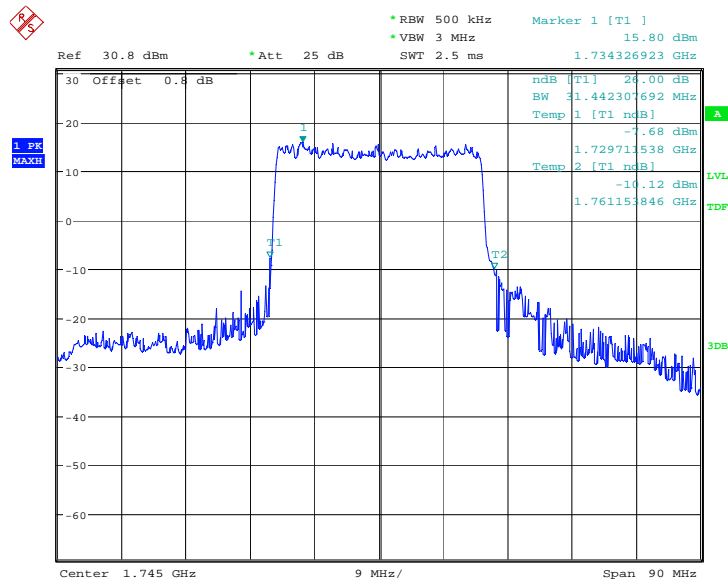
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	30.288	31.442

n66,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 15:04:45

n66,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

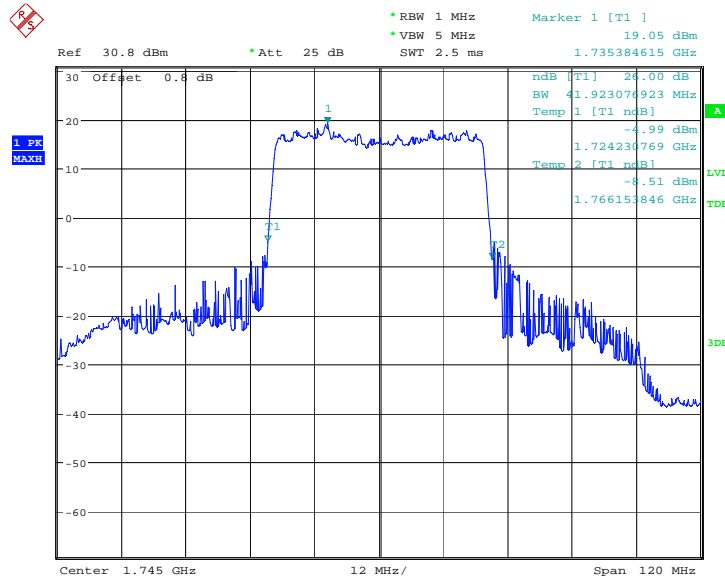


Date: 9.NOV.2021 15:05:04

LTE Band 12+NR n66
n66,40MHz(-26dBc)

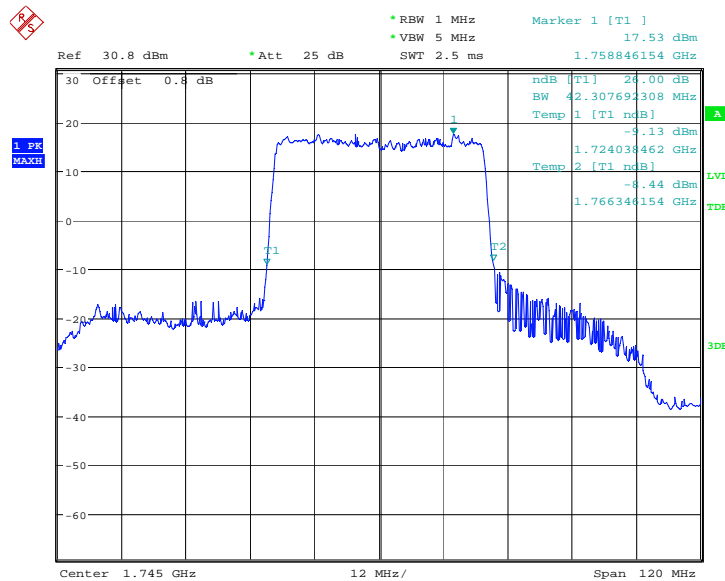
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	41.923	42.308

n66,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 15:06:20

n66,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

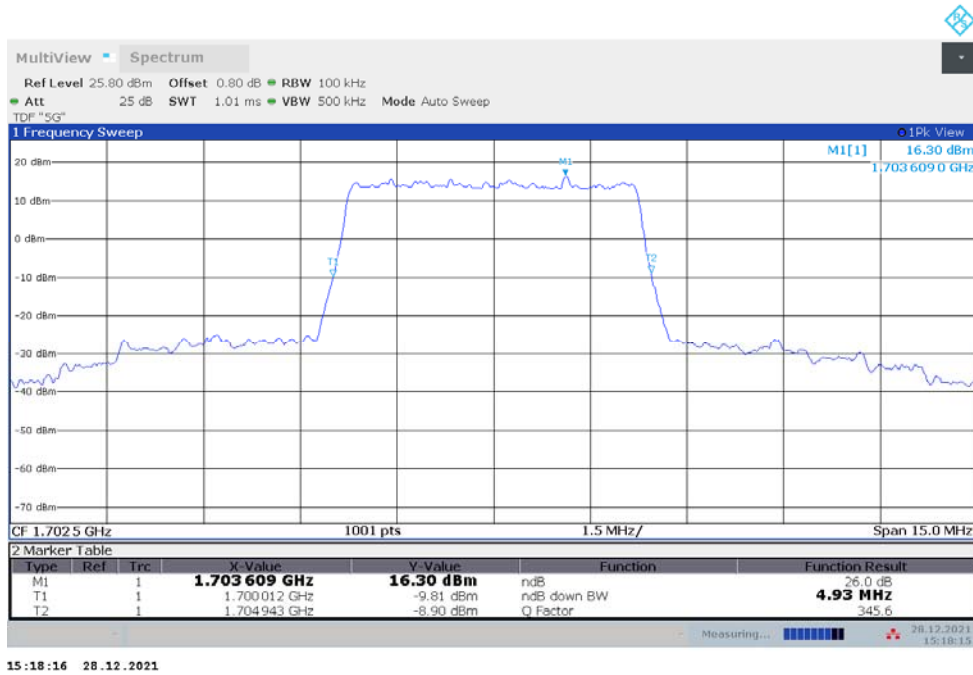


Date: 9.NOV.2021 15:06:39

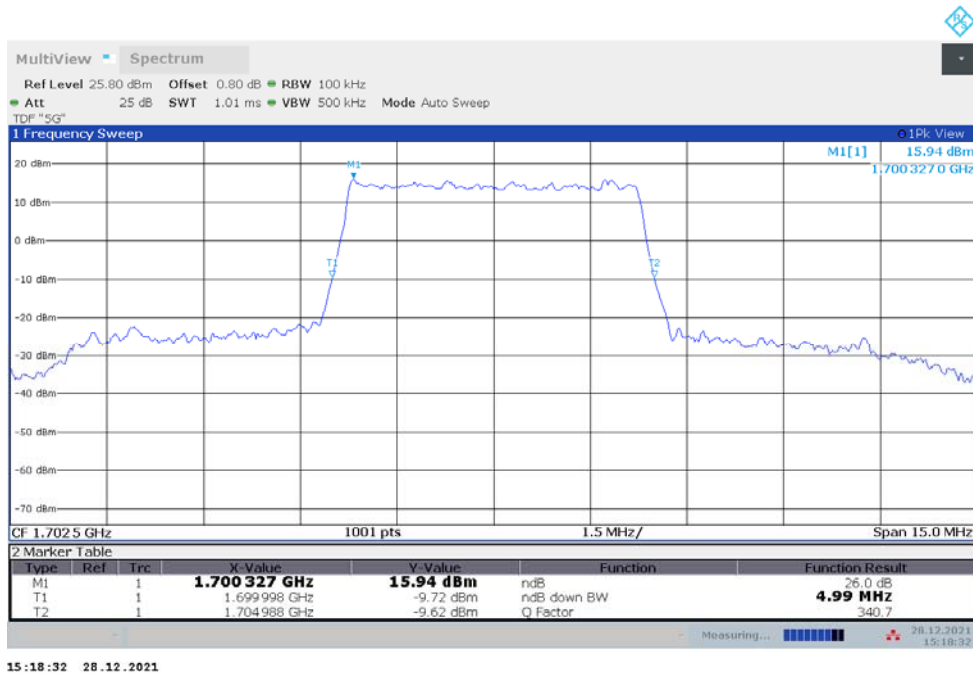
n70
n70,5MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1702.5	4.930	4.990

n70,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



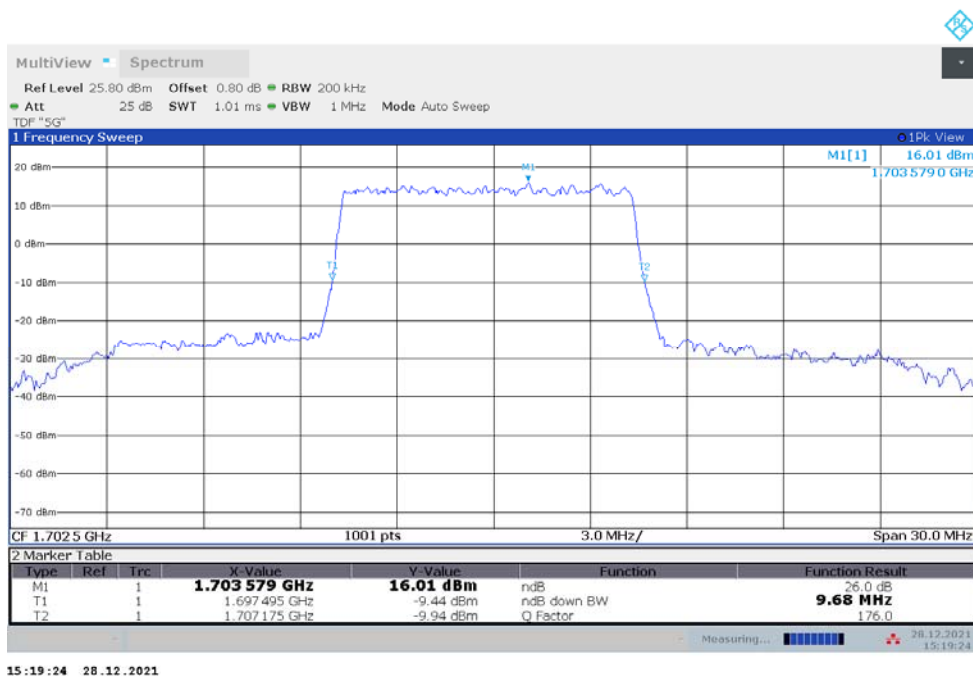
n70,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n70,10MHz(-26dBc)

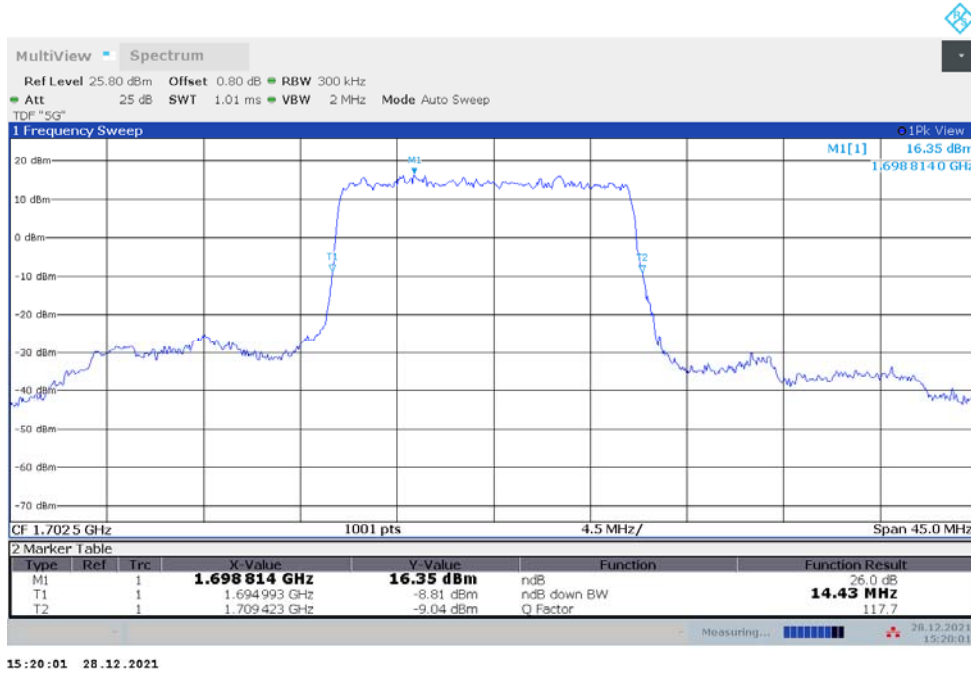
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1702.5	9.710	9.680

n70,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)

n70,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)


n70,15MHz(-26dBc)

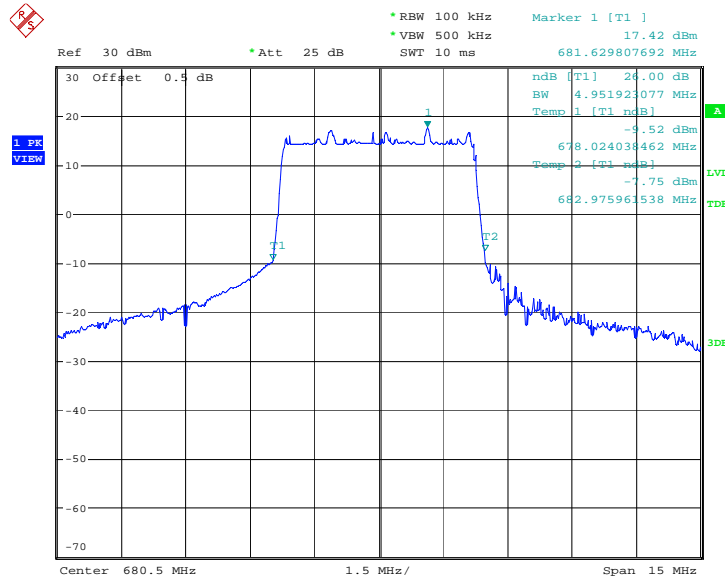
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1702.5	14.431	14.520

n70,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)

n70,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)


LTE Band 66+NR n71
n71,5MHz(-26dBc)

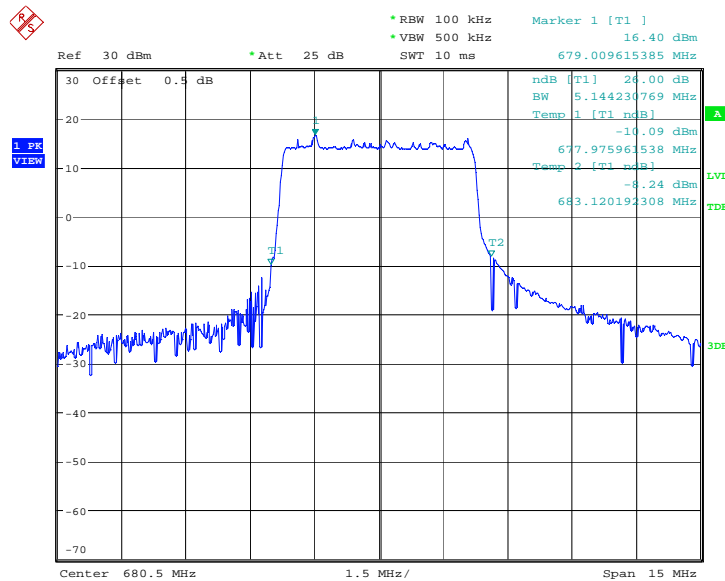
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
680.5	4.952	5.144

n71,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 08:43:46

n71,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

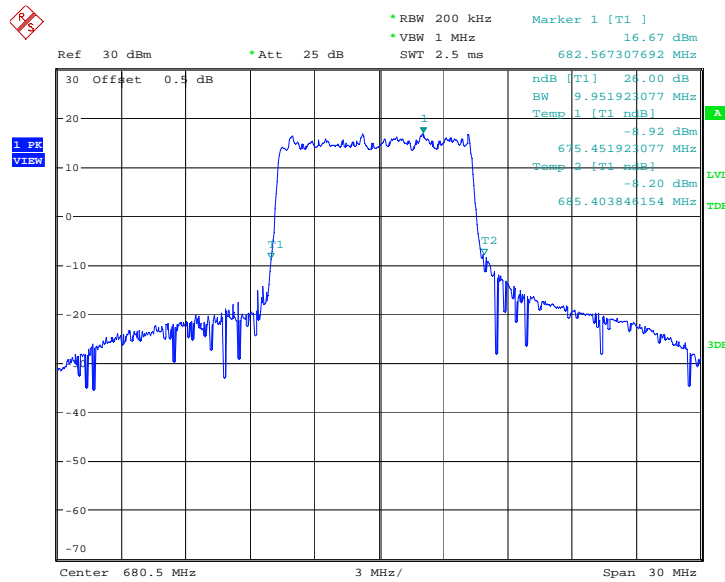


Date: 9.NOV.2021 08:44:11

LTE Band 66+NR n71
n71,10MHz(-26dBc)

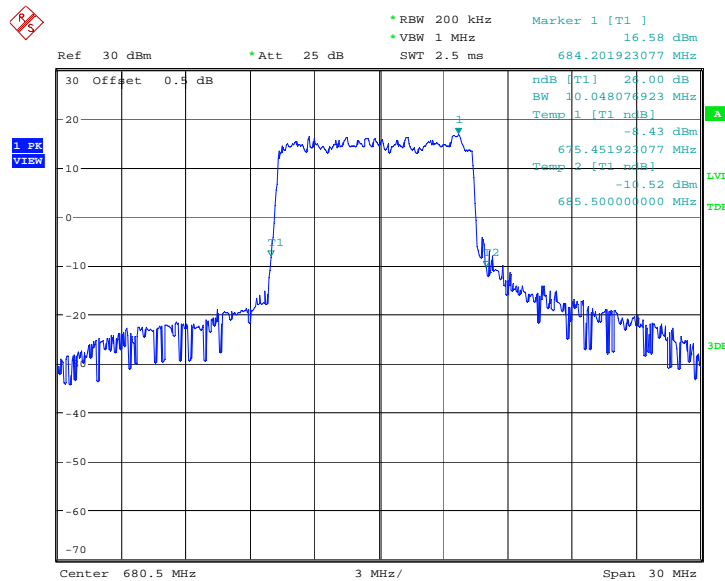
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
680.5	9.952	10.048

n71,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 08:45:31

n71,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

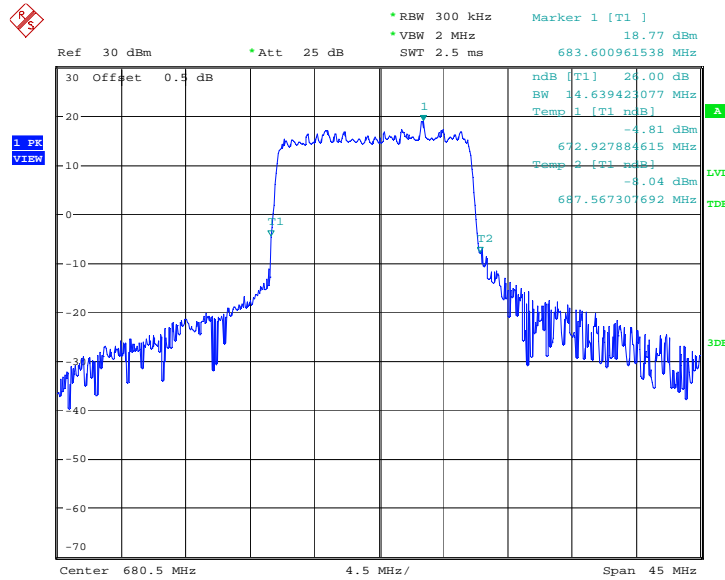


Date: 9.NOV.2021 08:45:56

LTE Band 66+NR n71
n71,15MHz(-26dBc)

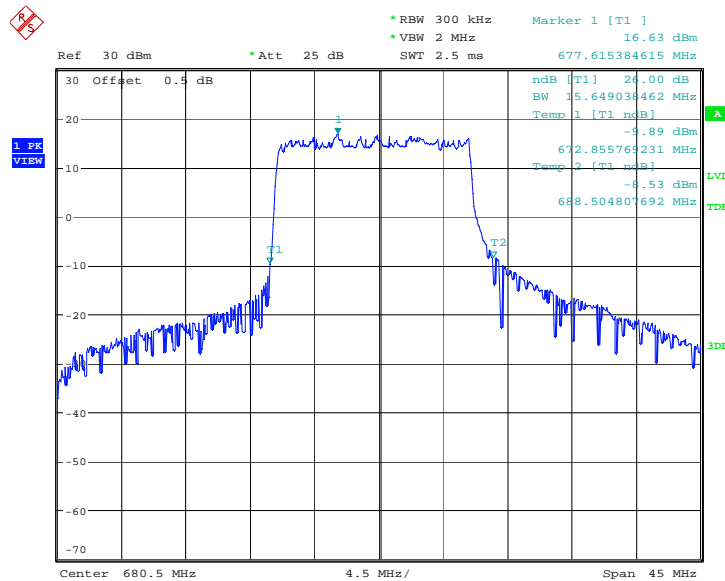
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
680.5	14.639	15.649

n71,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 08:47:17

n71,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

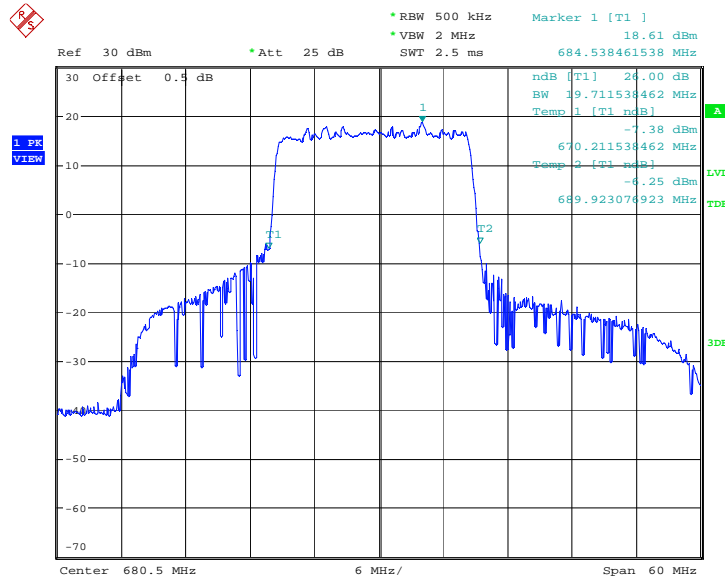


Date: 9.NOV.2021 08:47:42

LTE Band 66+NR n71
n71,20MHz(-26dBc)

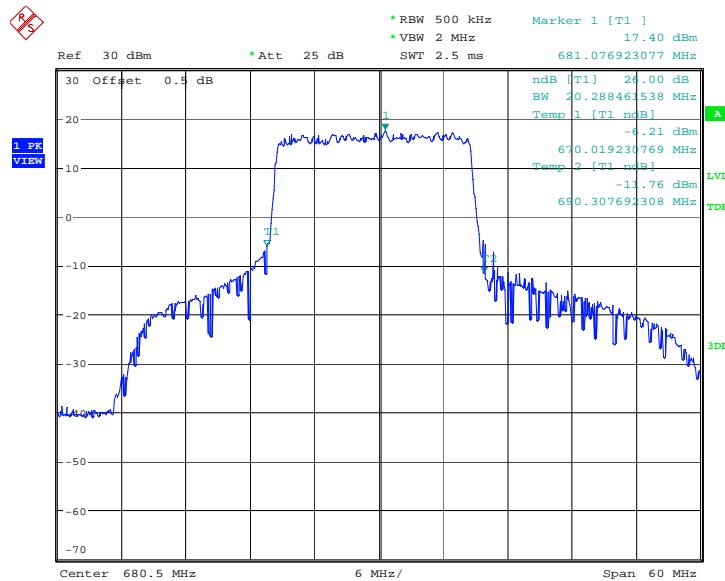
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
680.5	19.712	20.288

n71,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 9.NOV.2021 08:49:01

n71,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



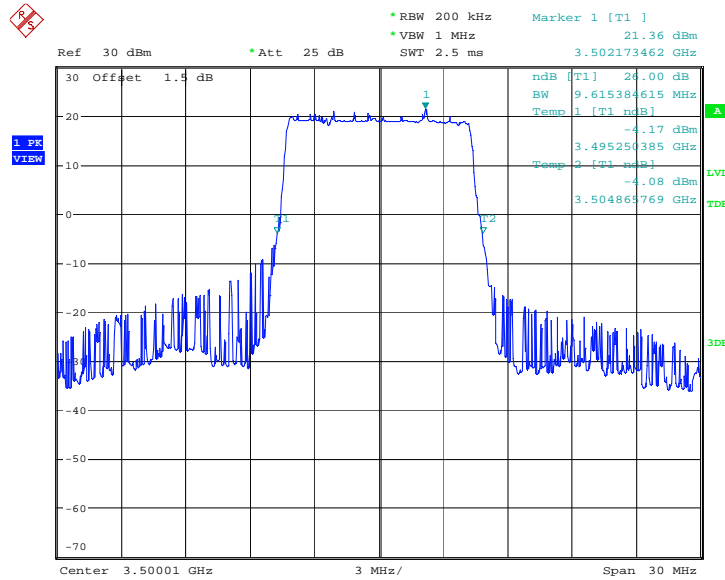
Date: 9.NOV.2021 08:49:25

n77L

n77L,10MHz(-26dBc)

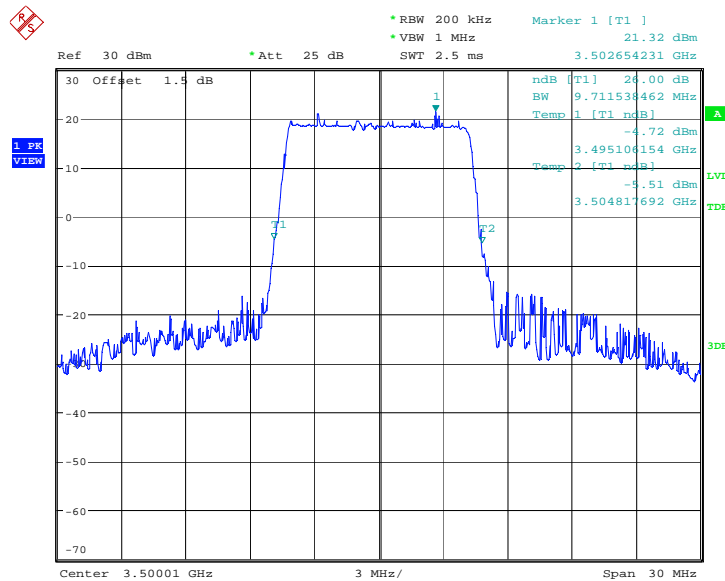
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	9.615	9.712

n77L,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:05:30

n77L,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

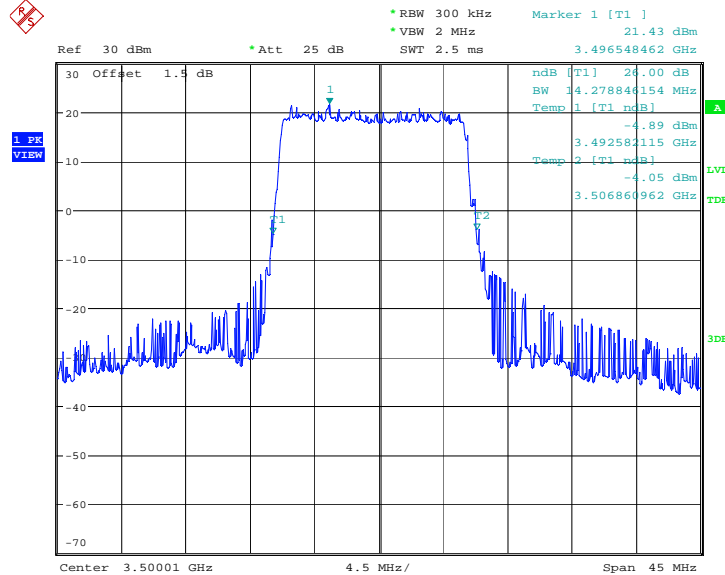


Date: 8.NOV.2021 17:05:48

n77L,15MHz(-26dBc)

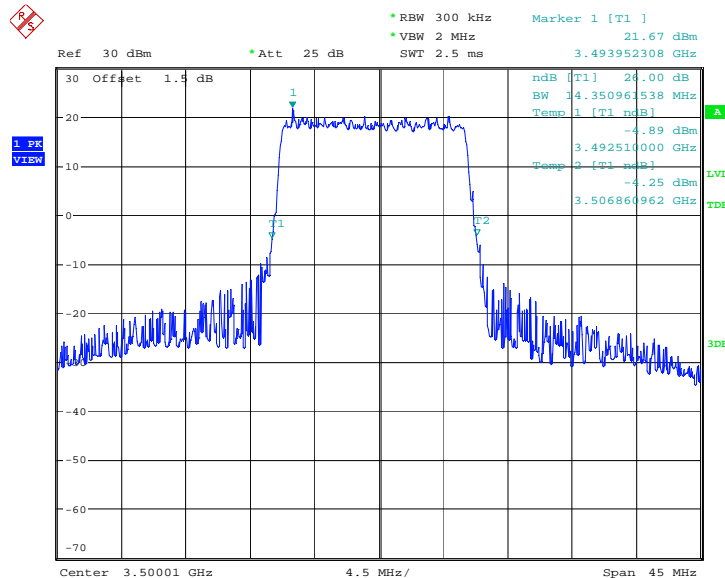
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	14.279	14.351

n77L,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:06:28

n77L,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

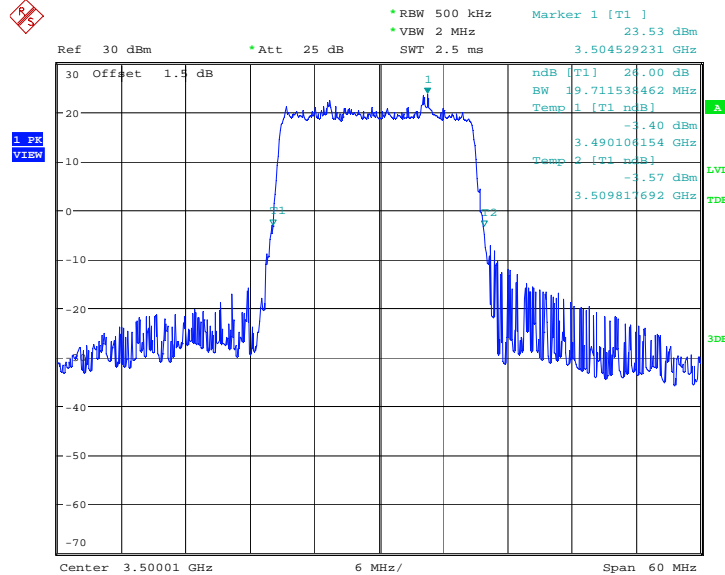


Date: 8.NOV.2021 17:06:47

n77L,20MHz(-26dBc)

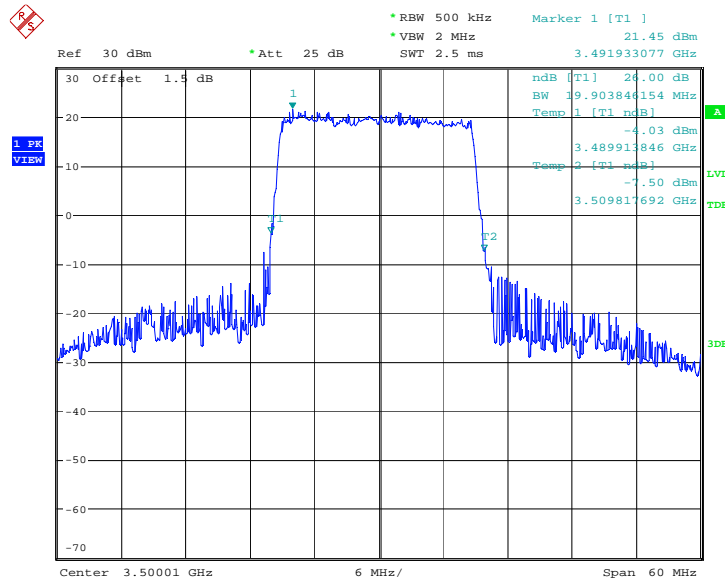
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	19.712	19.904

n77L,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:07:28

n77L,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

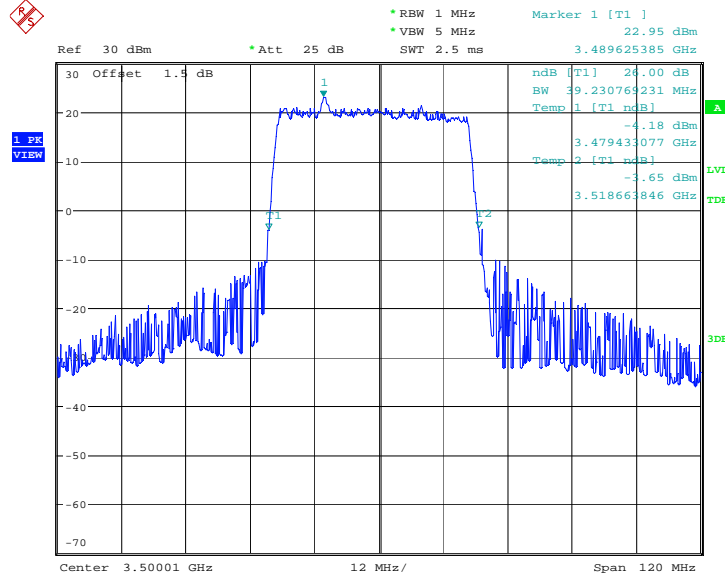


Date: 8.NOV.2021 17:07:47

n77L,40MHz(-26dBc)

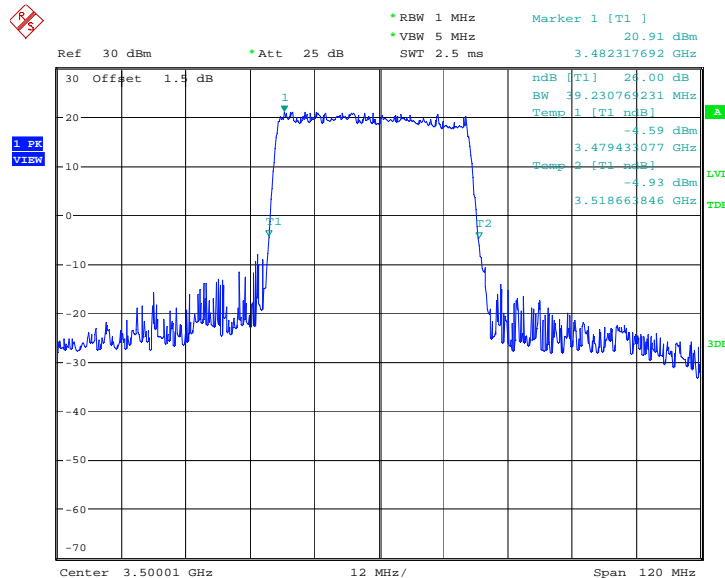
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	39.231	39.231

n77L,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:08:26

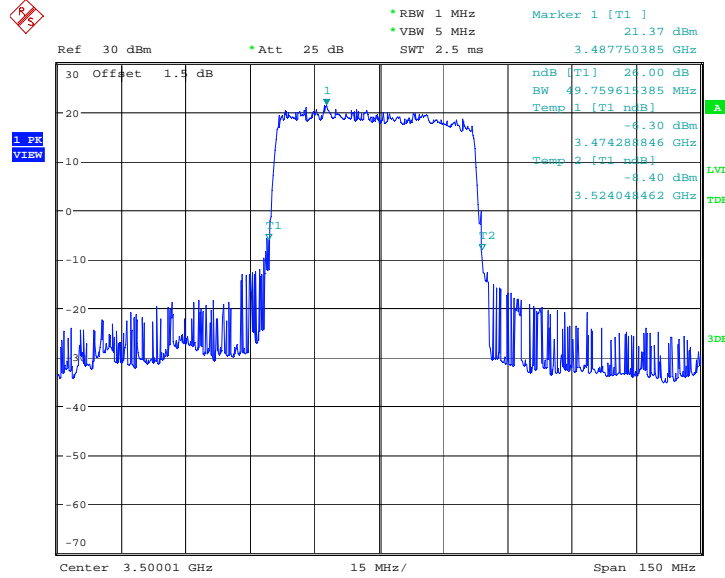
n77L,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



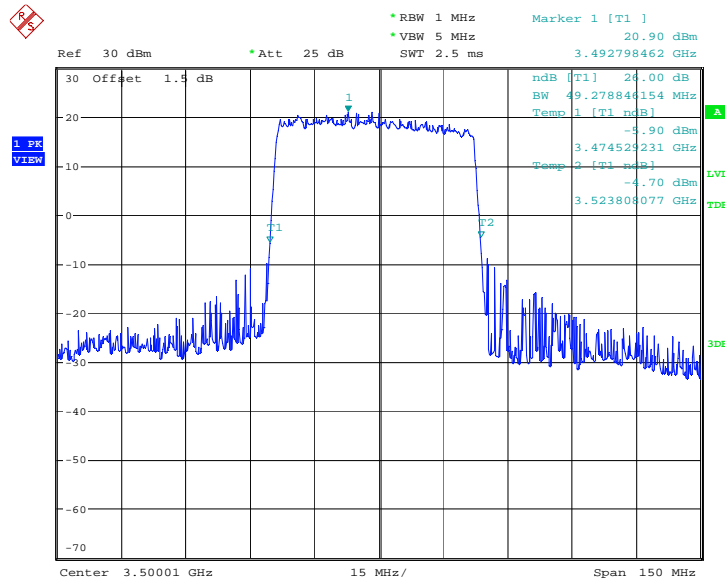
Date: 8.NOV.2021 17:08:45

n77L,50MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	49.760	49.279

n77L,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)


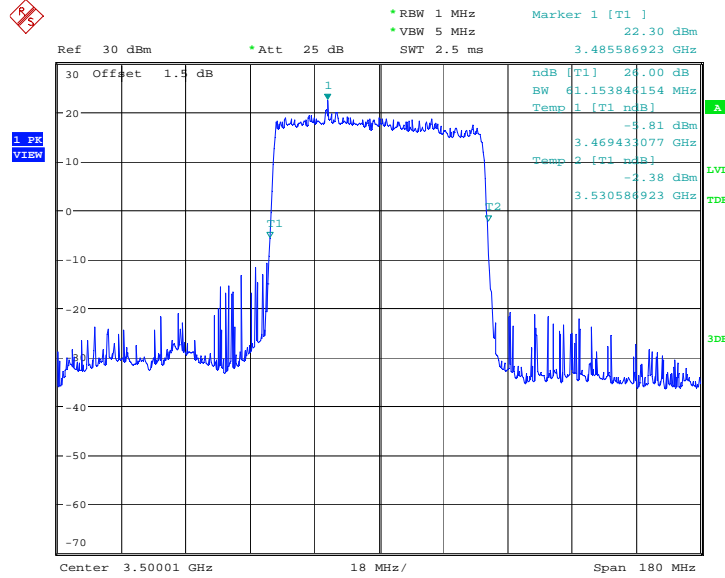
Date: 8.NOV.2021 17:09:25

n77L,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)


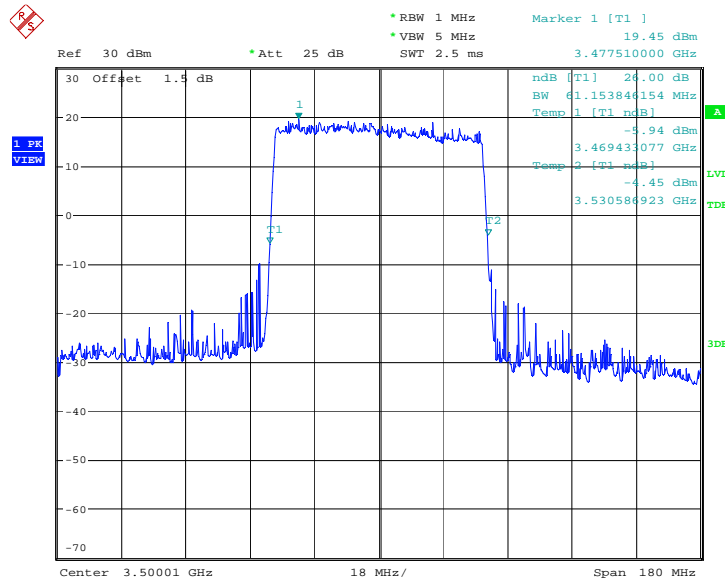
Date: 8.NOV.2021 17:09:44

n77L,60MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	61.154	61.154

n77L,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)


Date: 8.NOV.2021 17:10:24

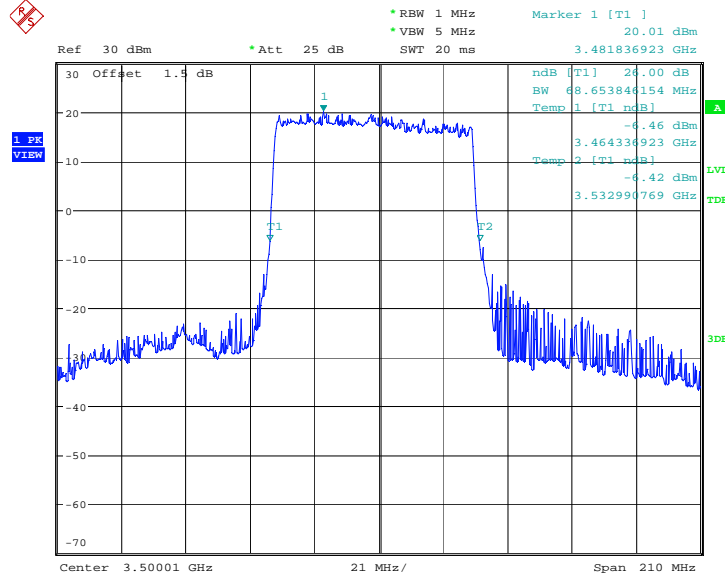
n77L,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)


Date: 8.NOV.2021 17:10:43

n77L,70MHz(-26dBc)

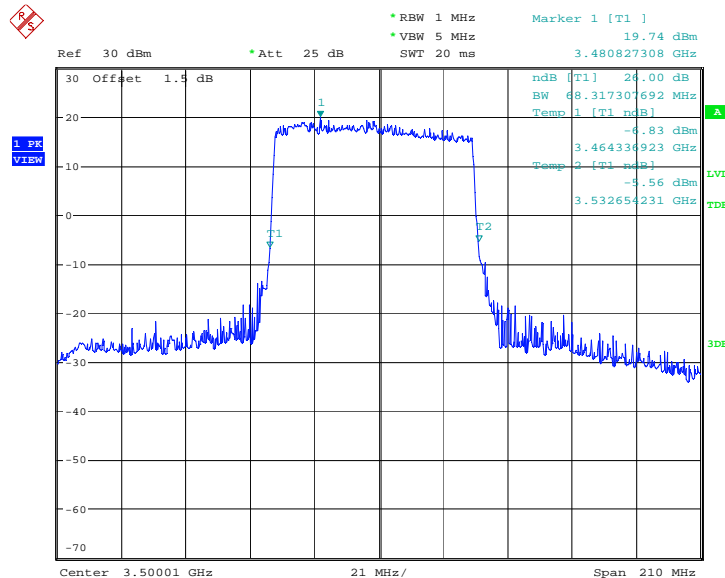
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	68.654	68.317

n77L,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:11:23

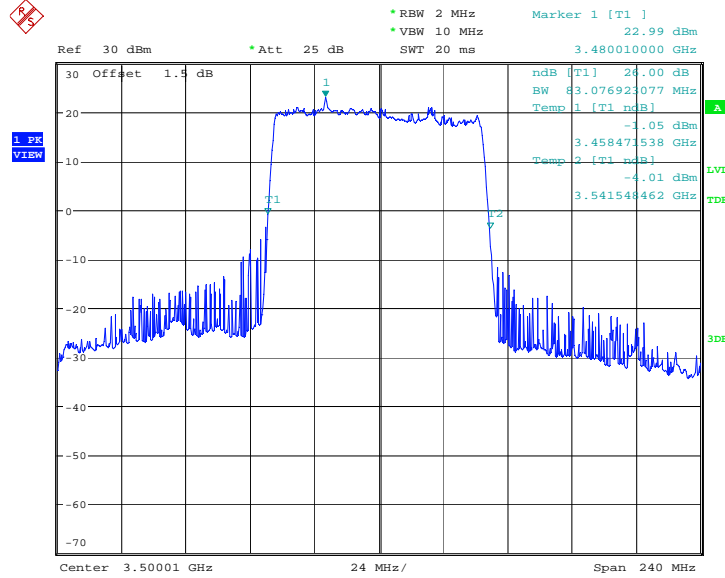
n77L,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



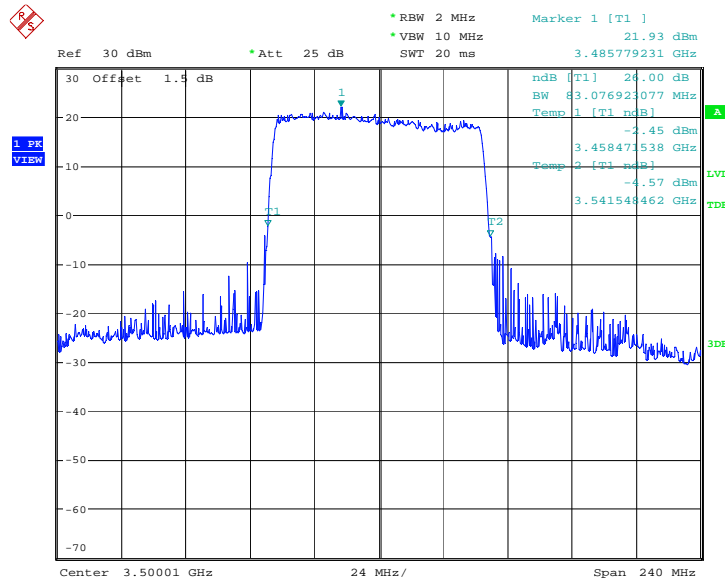
Date: 8.NOV.2021 17:11:42

n77L,80MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	83.077	83.077

n77L,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)


Date: 8.NOV.2021 17:12:22

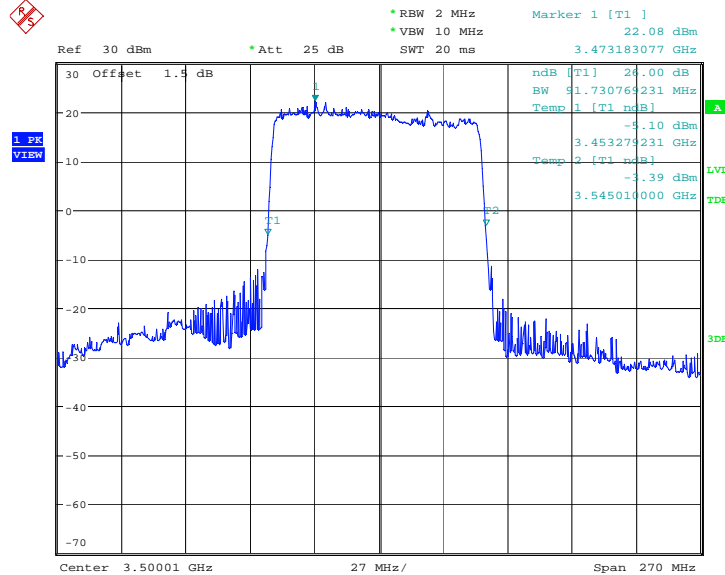
n77L,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)


Date: 8.NOV.2021 17:12:41

n77L,90MHz(-26dBc)

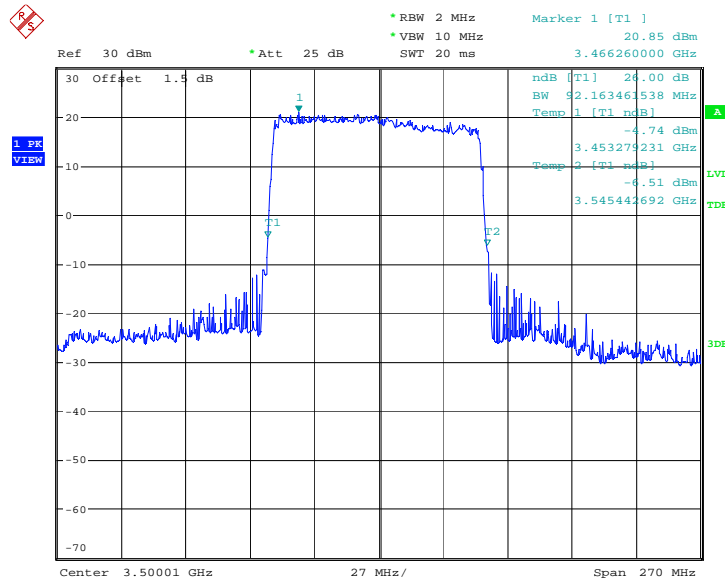
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	91.731	92.163

n77L,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:13:21

n77L,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



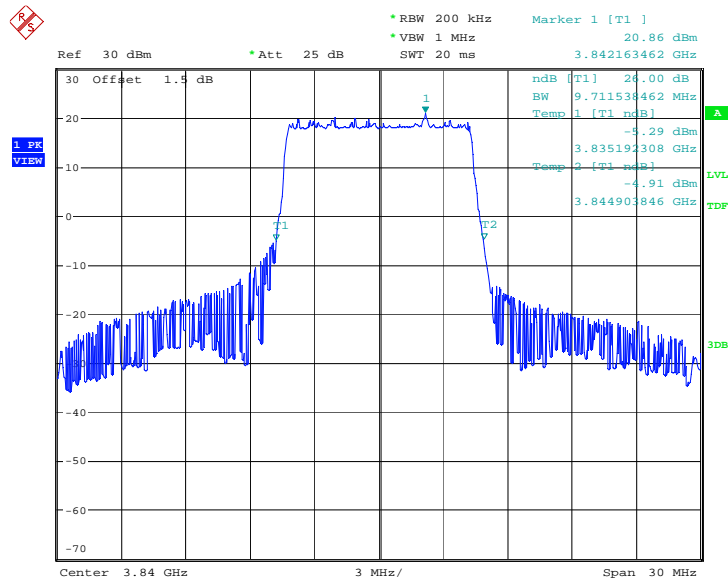
Date: 8.NOV.2021 17:13:41

n77H

n77H,10MHz(-26dBc)

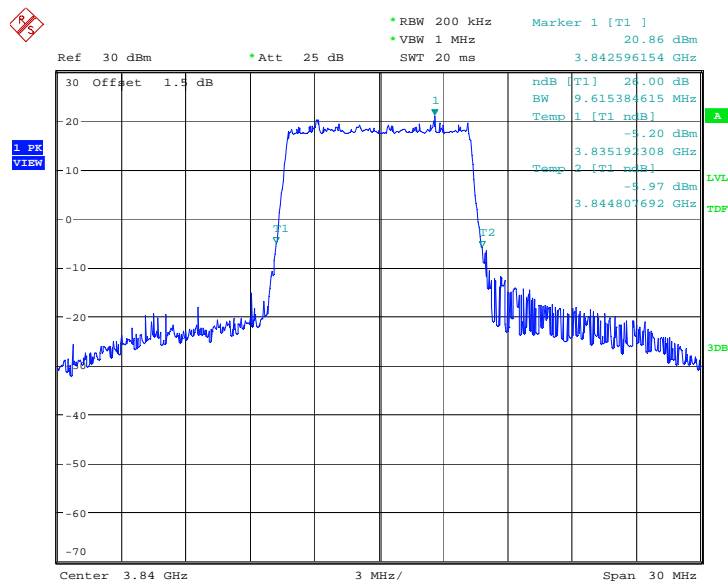
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	9.712	9.615

n77H,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:14:27

n77H,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

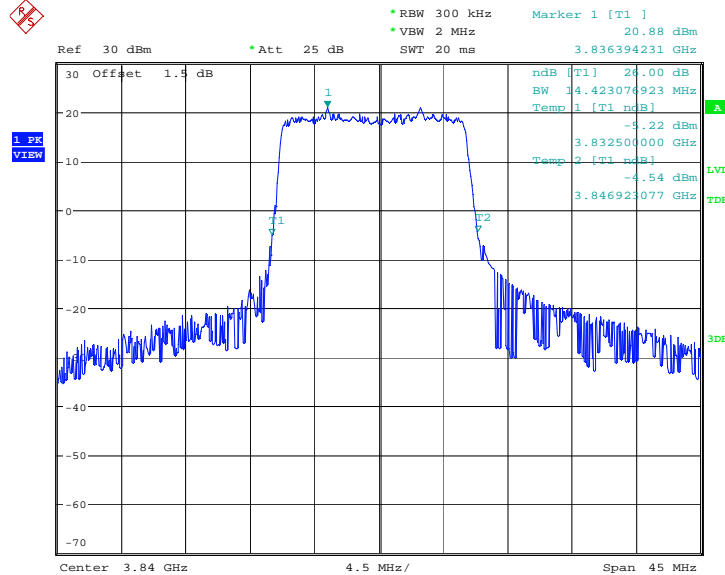


Date: 8.NOV.2021 17:14:46

n77H,15MHz(-26dBc)

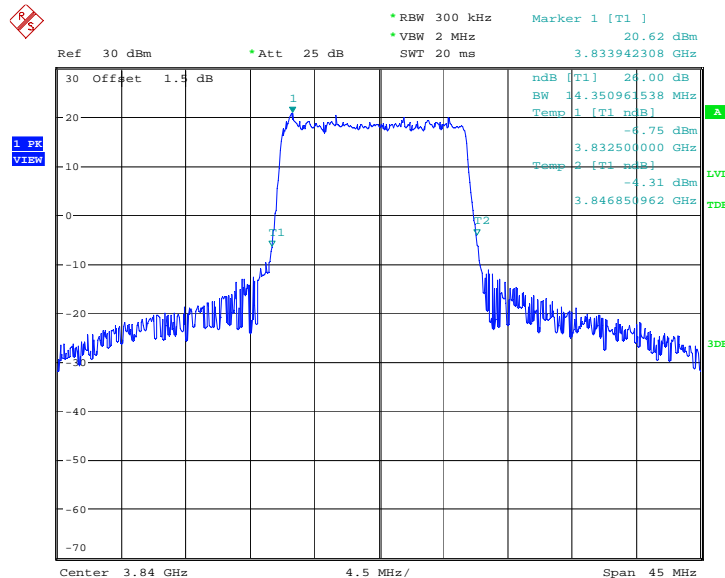
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	14.423	14.351

n77H,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:15:27

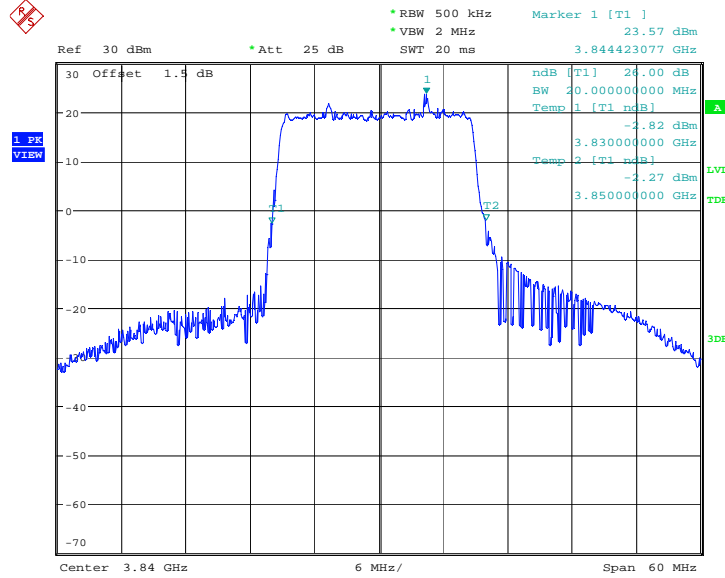
n77H,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



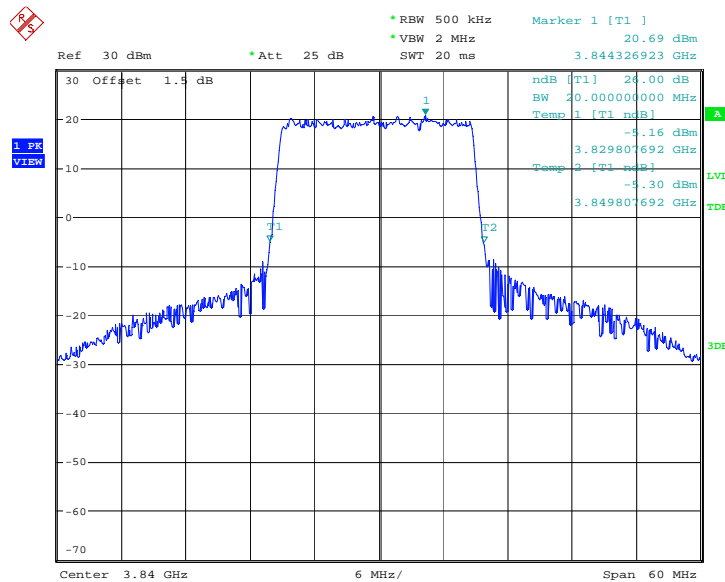
Date: 8.NOV.2021 17:15:46

n77H,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	20.000	20.000

n77H,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)


Date: 8.NOV.2021 17:16:26

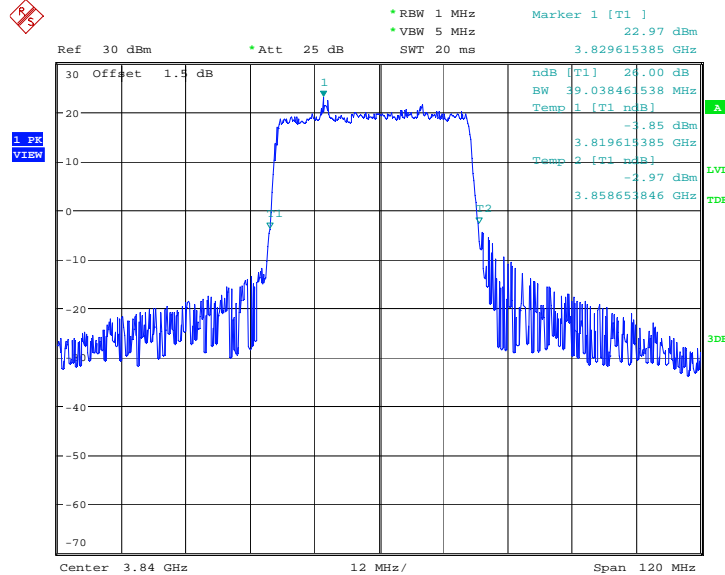
n77H,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)


Date: 8.NOV.2021 17:16:45

n77H,40MHz(-26dBc)

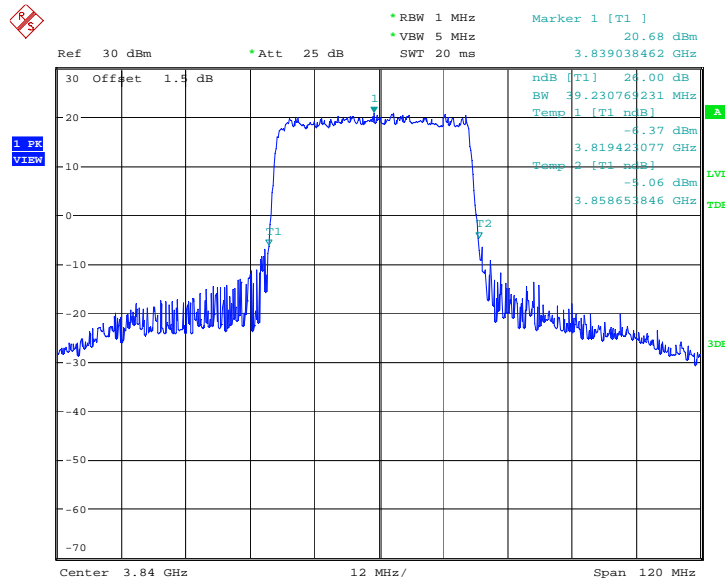
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	39.038	39.231

n77H,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:17:24

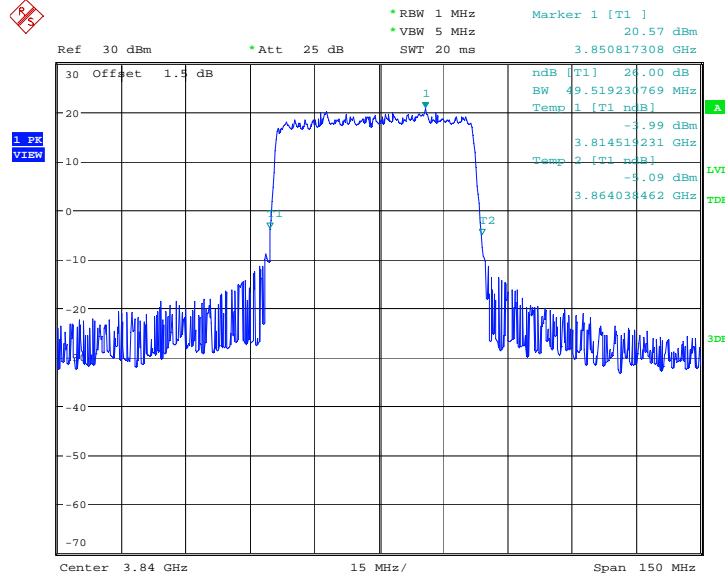
n77H,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



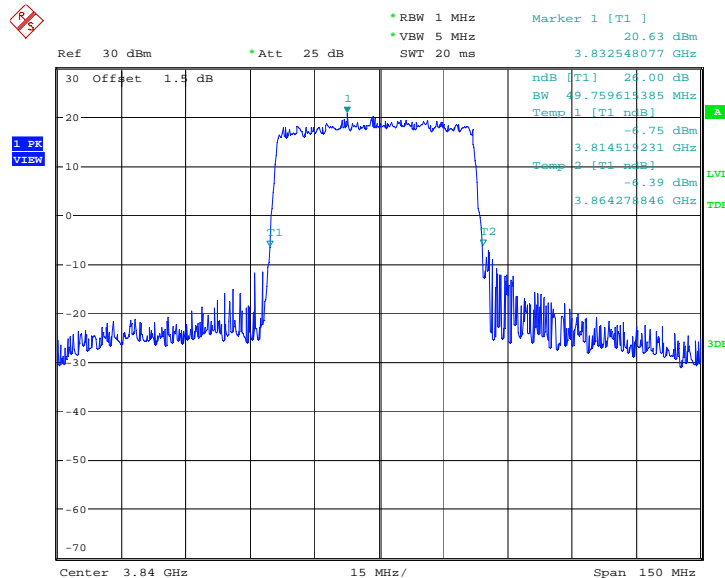
Date: 8.NOV.2021 17:17:44

n77H,50MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	49.519	49.760

n77H,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)


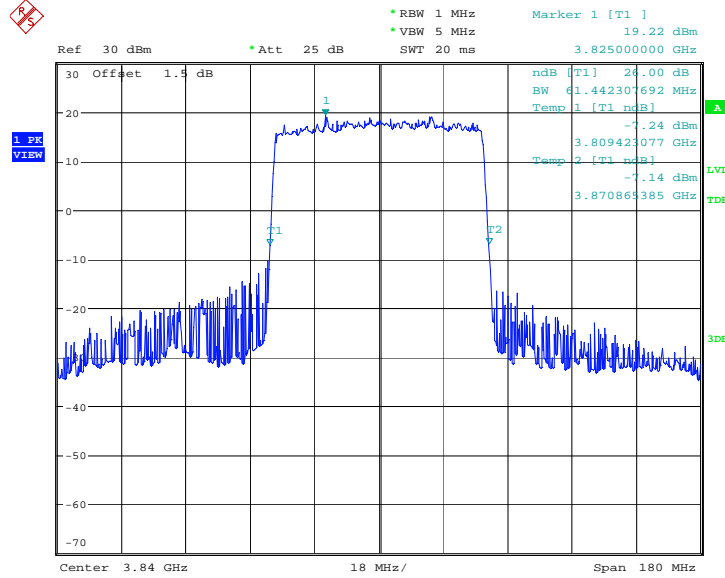
Date: 8.NOV.2021 17:18:23

n77H,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)


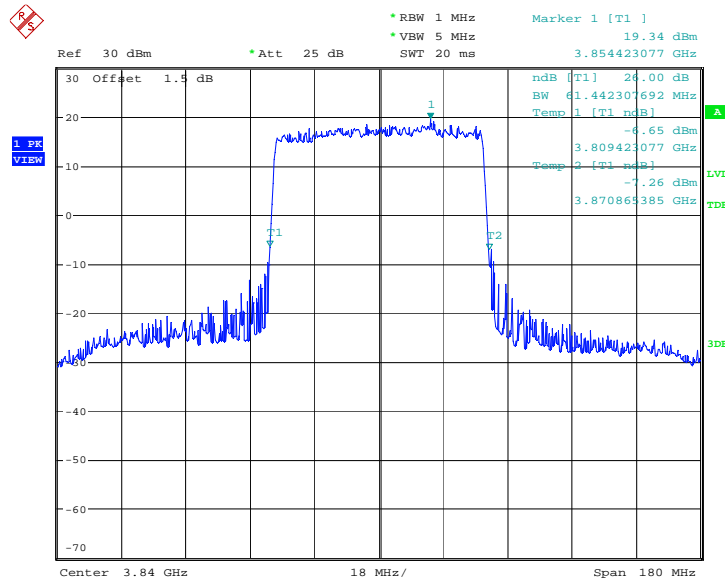
Date: 8.NOV.2021 17:18:42

n77H,60MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	61.442	61.442

n77H,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)


Date: 8.NOV.2021 17:19:21

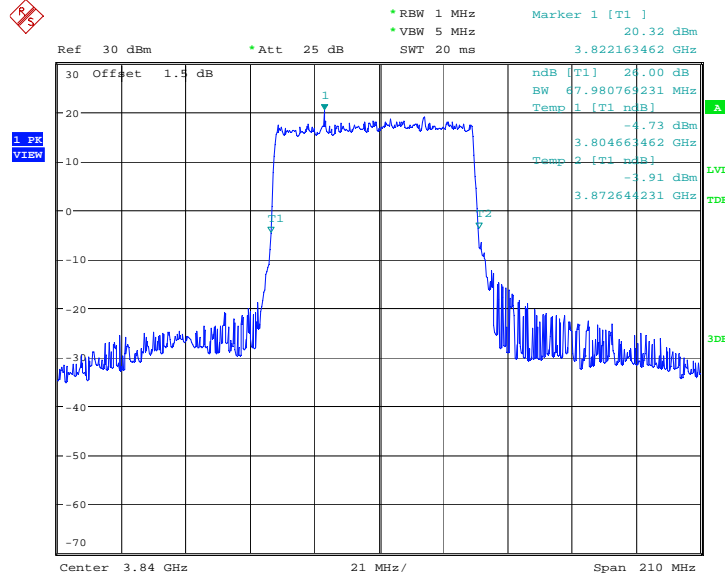
n77H,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)


Date: 8.NOV.2021 17:19:40

n77H,70MHz(-26dBc)

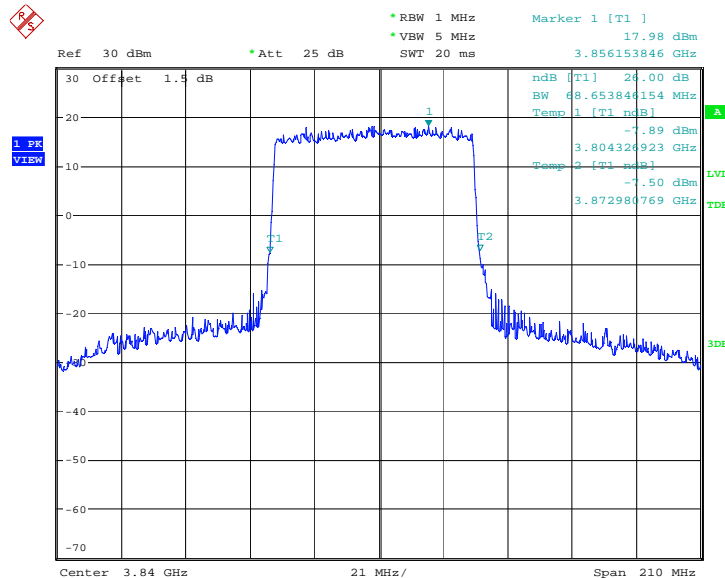
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	67.981	68.654

n77H,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:20:21

n77H,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

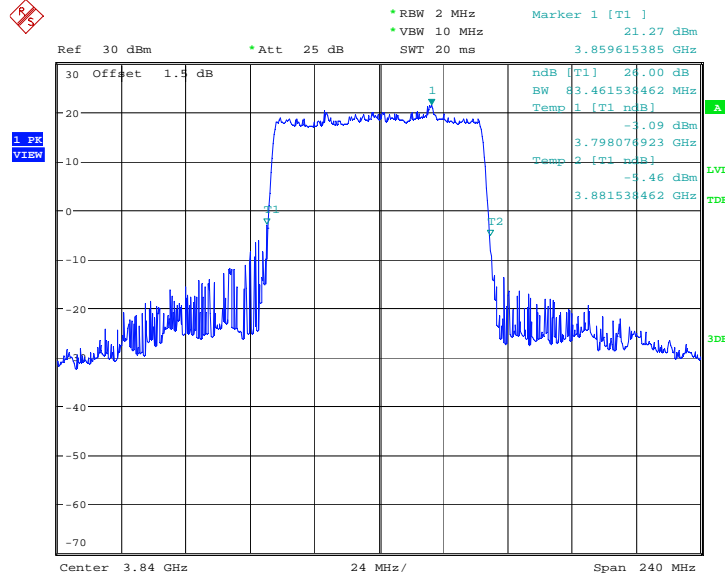


Date: 8.NOV.2021 17:20:40

n77H,80MHz(-26dBc)

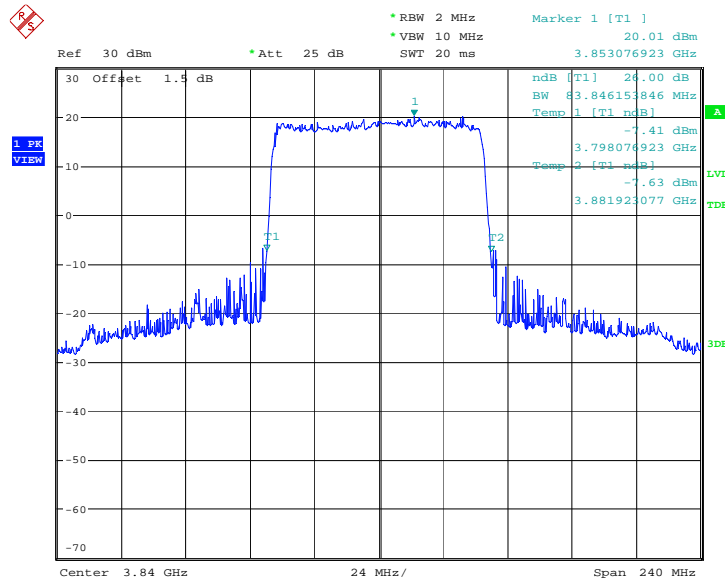
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	83.462	83.846

n77H,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:21:21

n77H,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

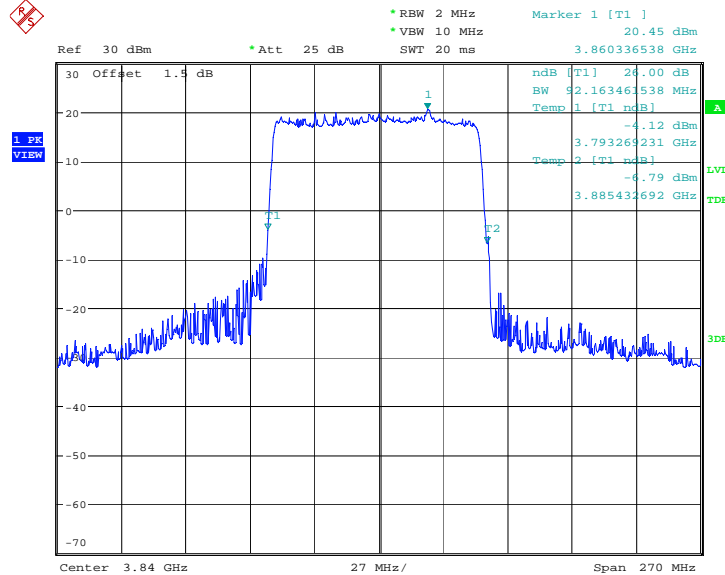


Date: 8.NOV.2021 17:21:40

n77H,90MHz(-26dBc)

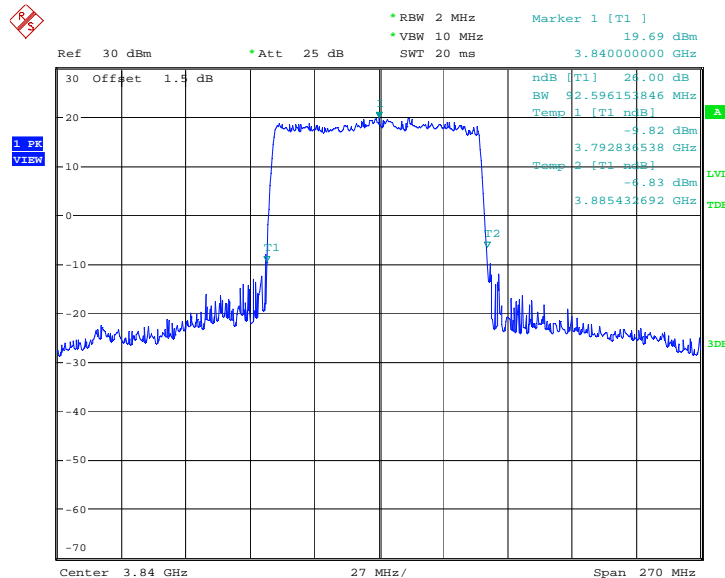
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	92.163	92.596

n77H,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



Date: 8.NOV.2021 17:22:21

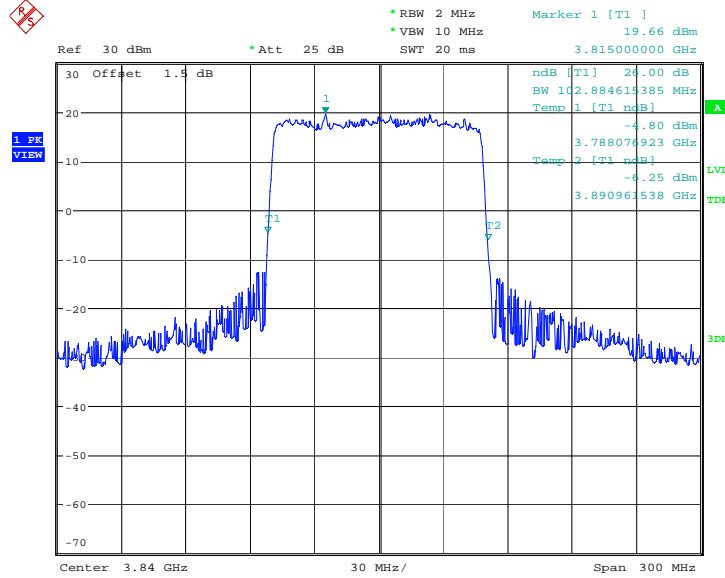
n77H,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



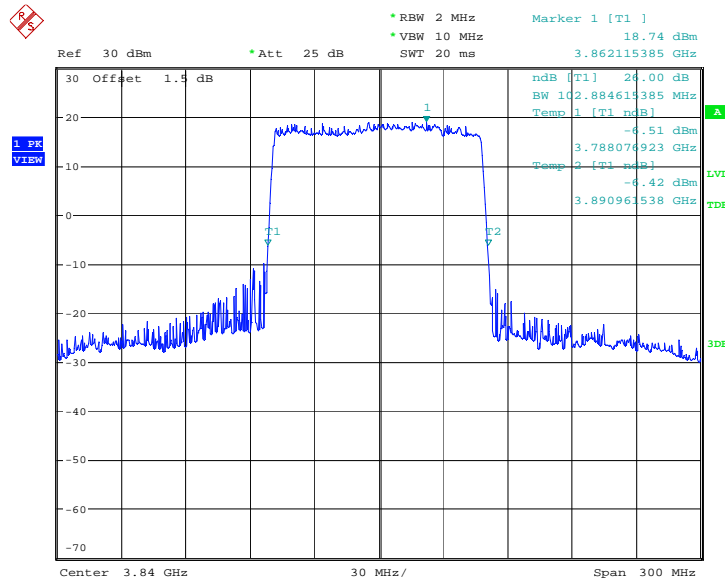
Date: 8.NOV.2021 17:22:40

n77H,100MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3840	102.885	102.885

n77H,100MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)


Date: 8.NOV.2021 17:23:19

n77H,100MHz Bandwidth,DFT-s-QPSK (-26dBc BW)


Date: 8.NOV.2021 17:23:38

A.6 Band Edge Compliance

A.6.1 Measurement limit

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

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

Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. 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(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

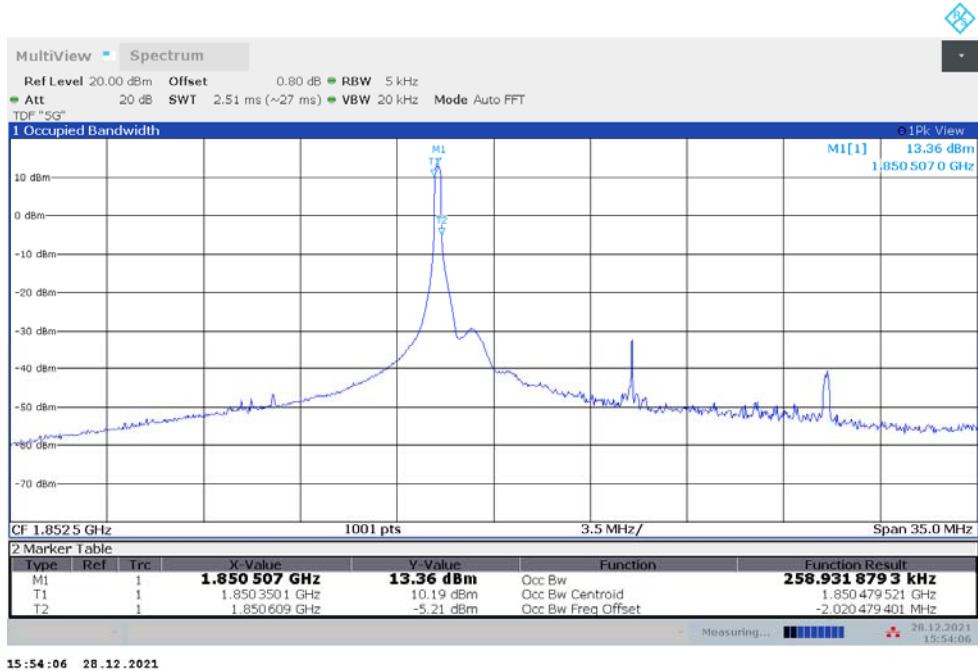
Part 27.53(l) states for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall



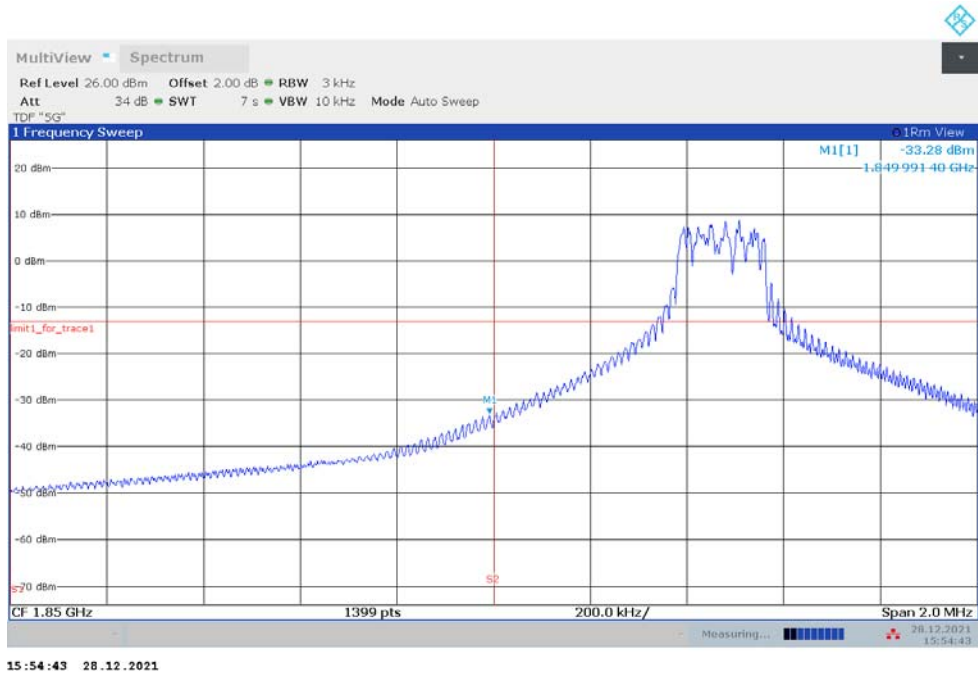
be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Part 27.53(h) for operations in the 1695–1710 MHz, 1710–1755 MHz, 1755–1780 MHz, 1915–1920 MHz, 1995–2000 MHz, 2000–2020 MHz, 2110–2155 MHz, 2155–2180 MHz, and 2180–2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

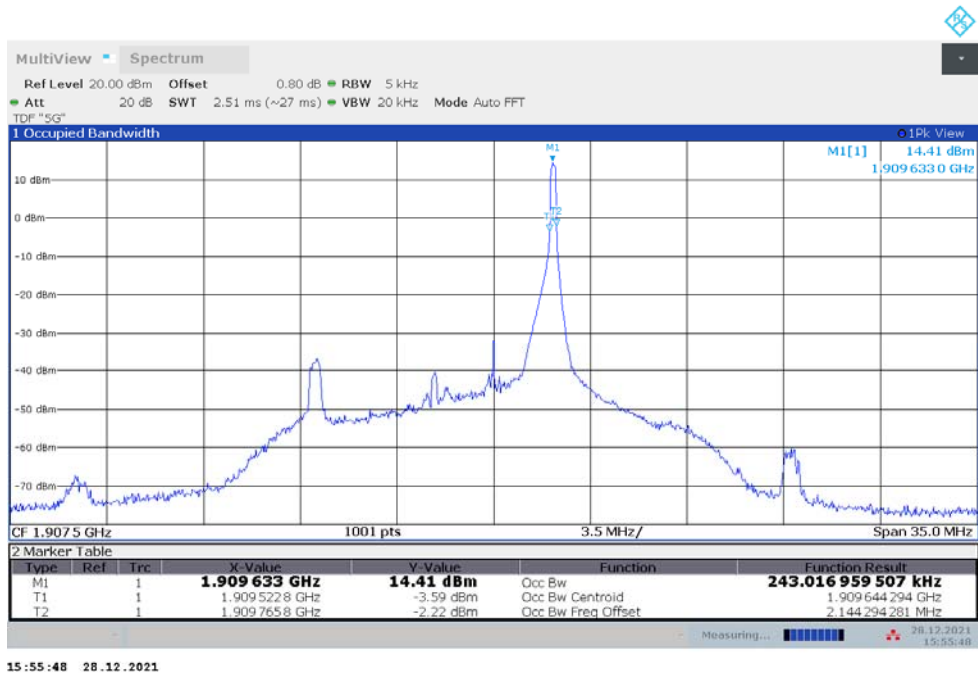
A.6.2 Measurement result
LTE Band 5+NR n2
OBW: 1RB-LOW_offset



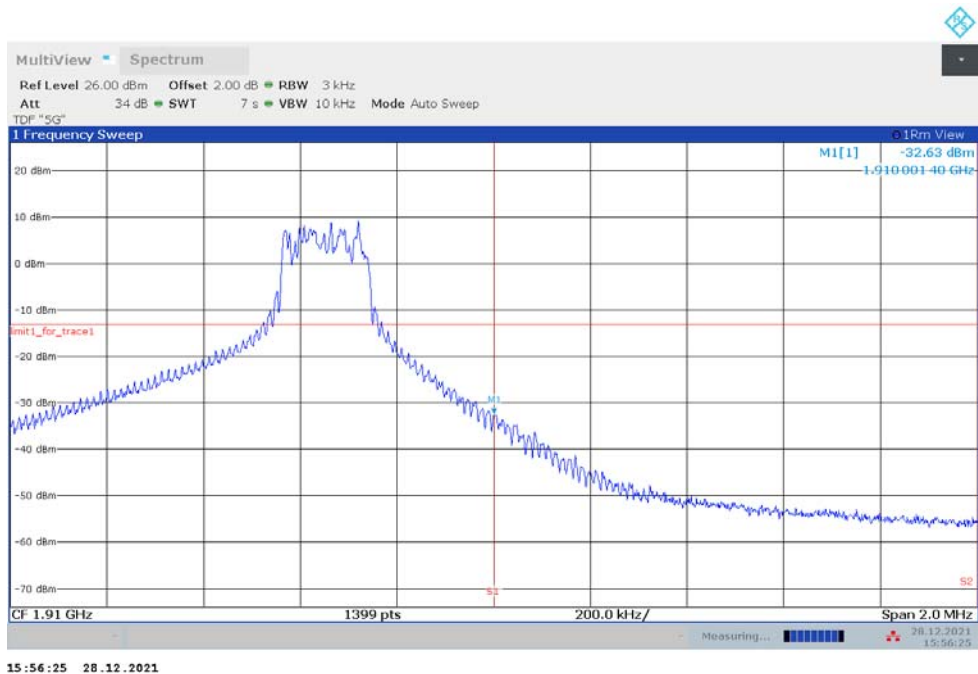
LOW BAND EDGE BLOCK-1RB-LOW_offset



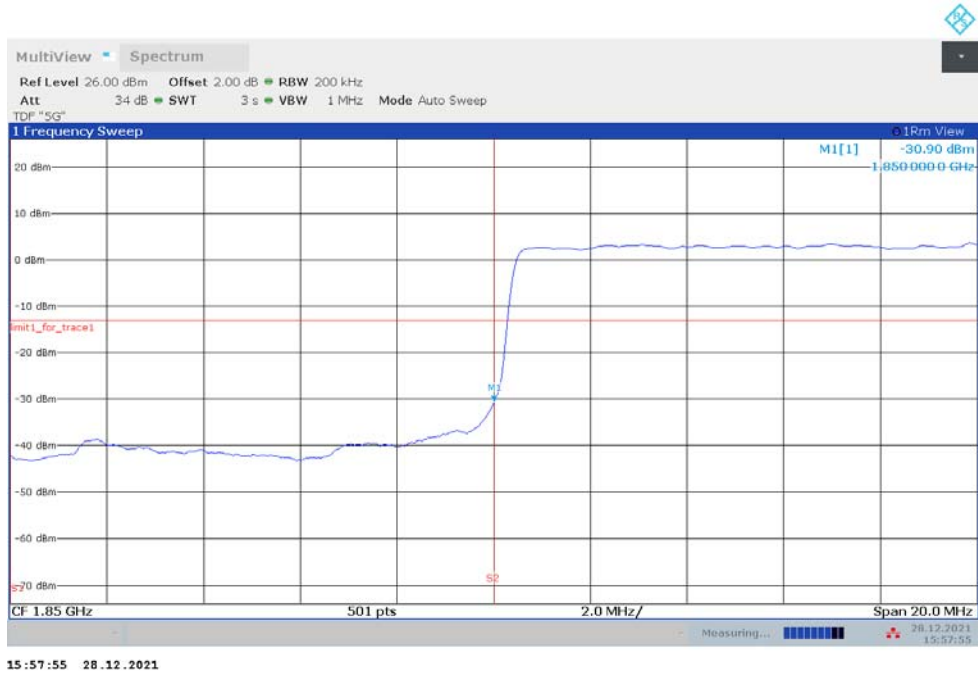
OBW: 1RB-HIGH_offset



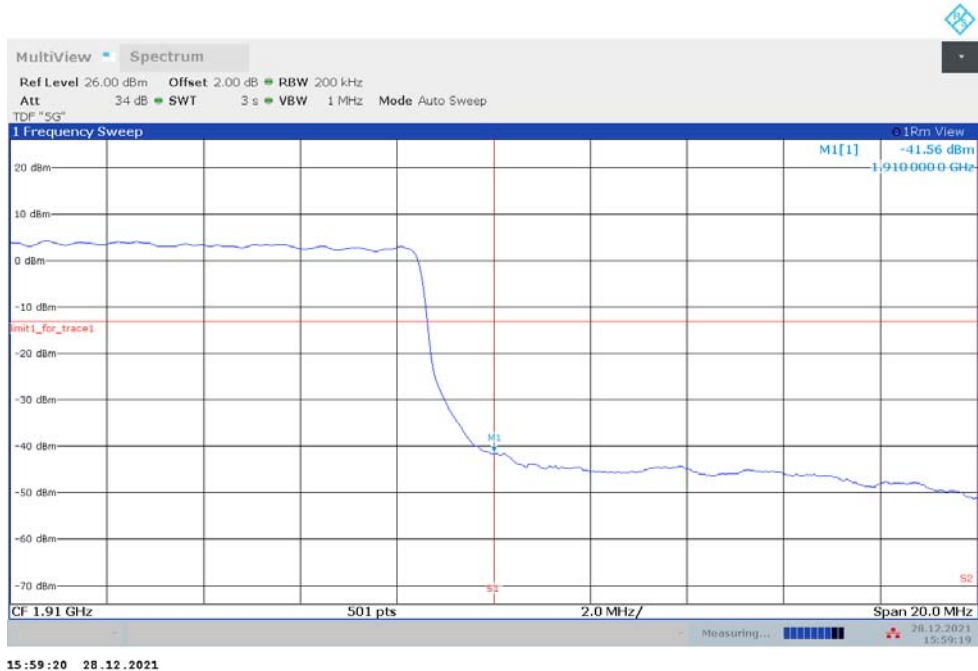
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



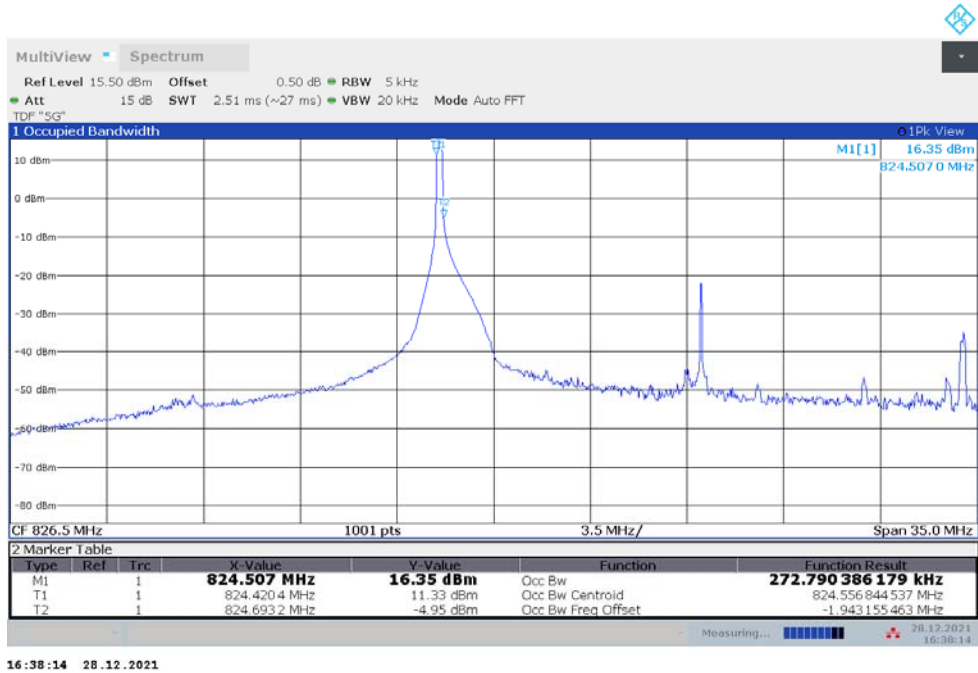
LOW BAND EDGE BLOCK-20M-100%RB



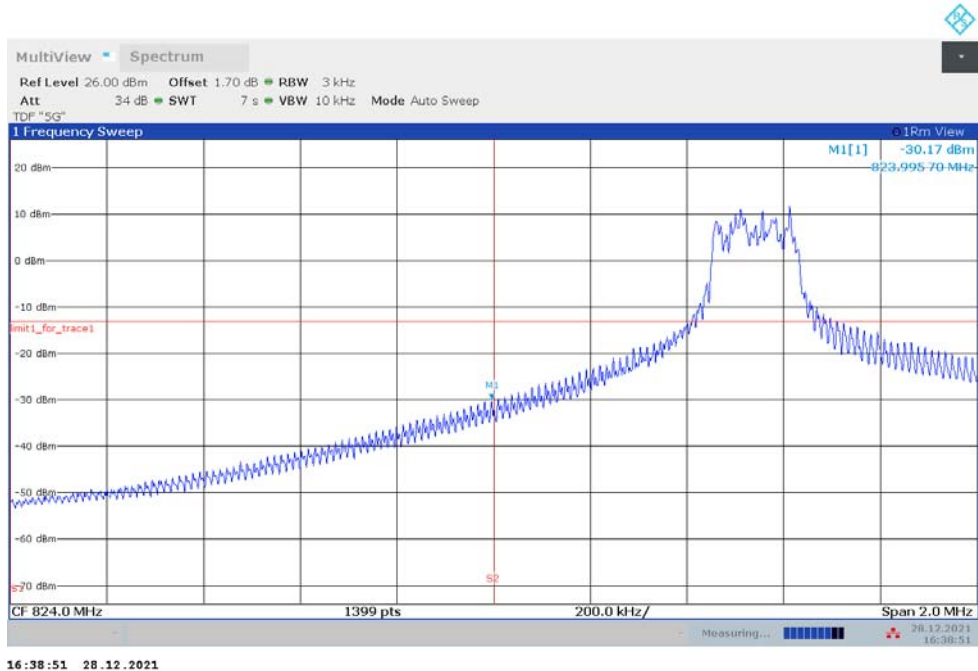
HIGH BAND EDGE BLOCK-20M-100%RB



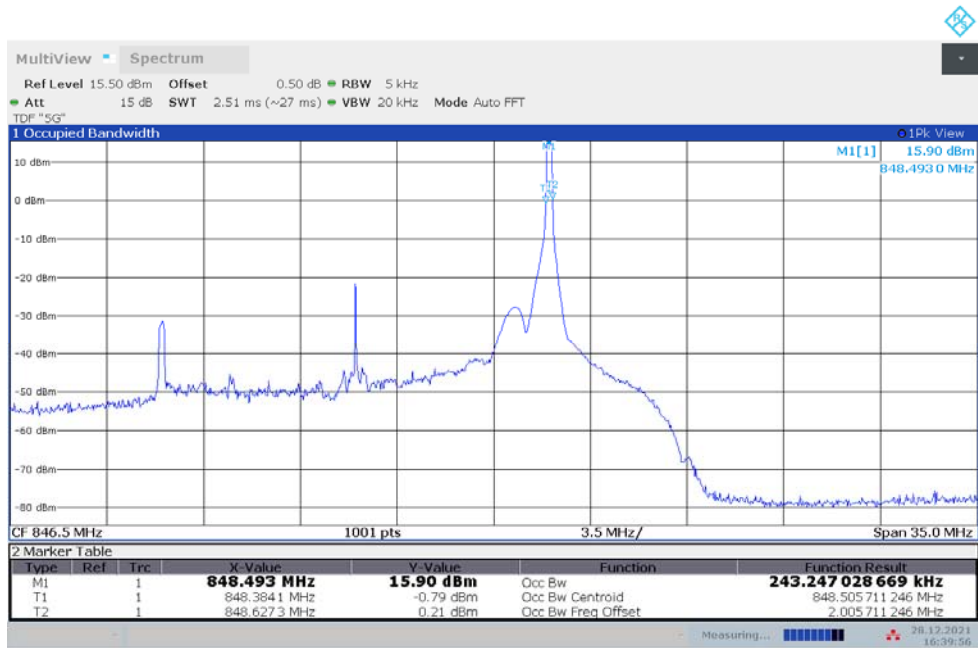
LTE Band 2+NR n5
OBW: 1RB-LOW_offset



LOW BAND EDGE BLOCK-1RB-LOW_offset

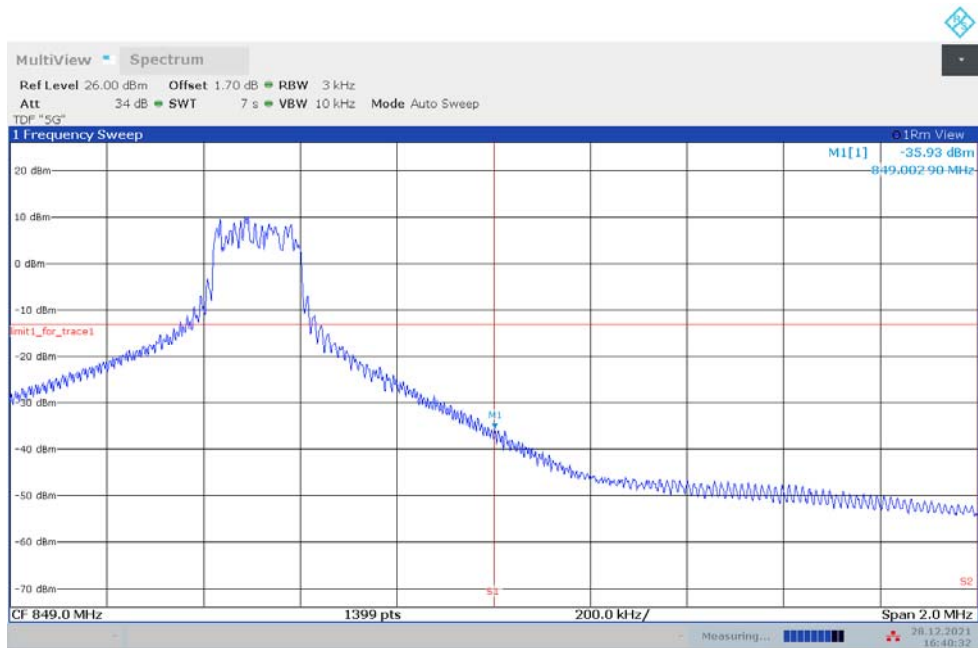


OBW: 1RB-HIGH_offset



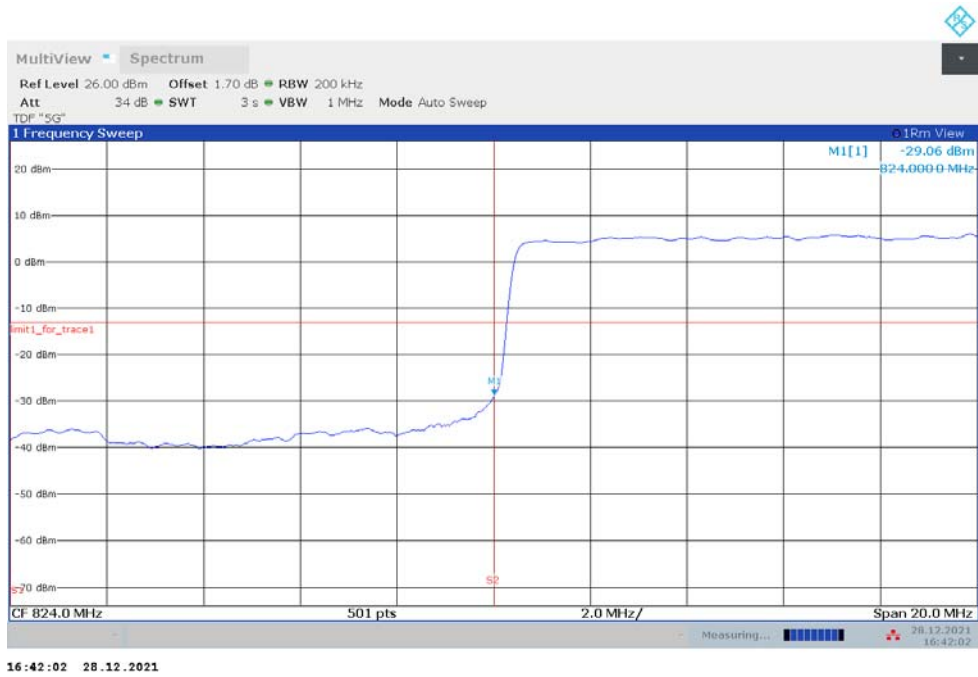
16:39:56 28.12.2021

HIGH BAND EDGE BLOCK-1RB-HIGH_offset

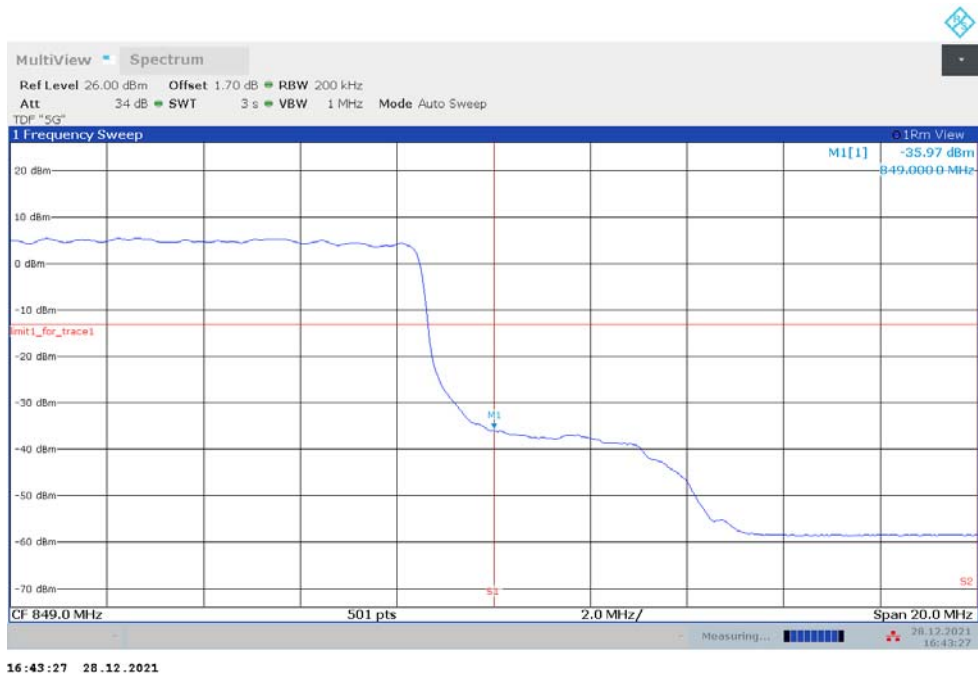


16:40:33 28.12.2021

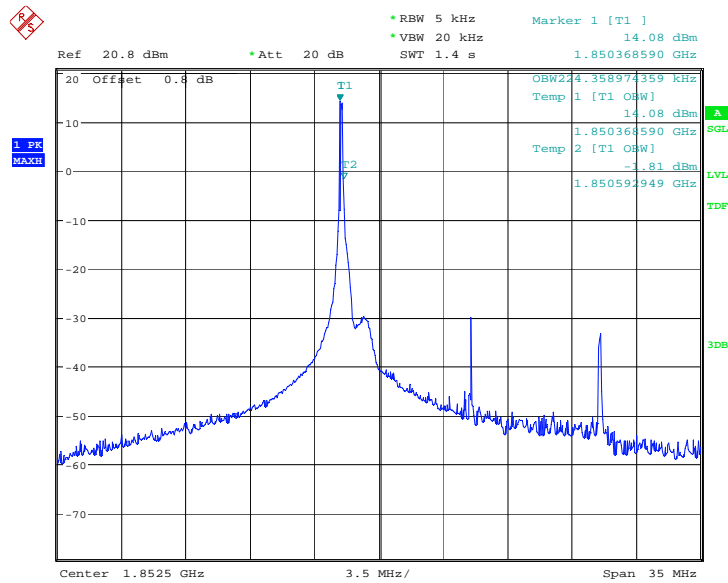
LOW BAND EDGE BLOCK-20M-100%RB



HIGH BAND EDGE BLOCK-20M-100%RB

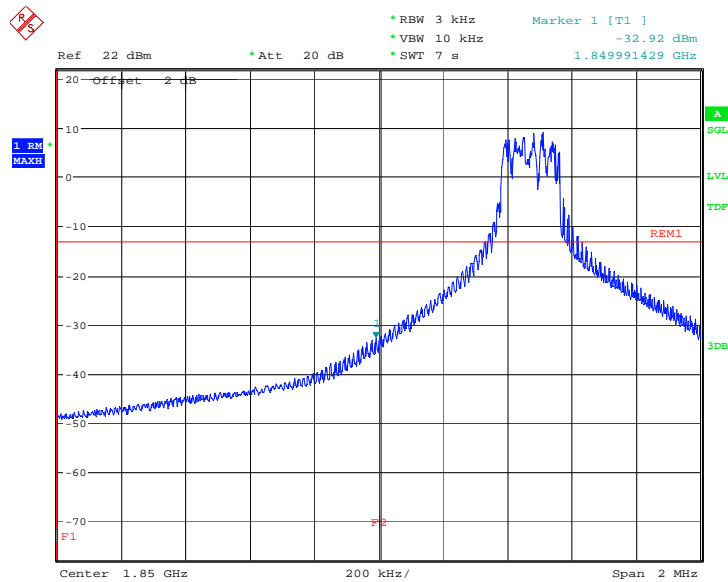


LTE Band 12+NR n25
OBW: 1RB-LOW_offset



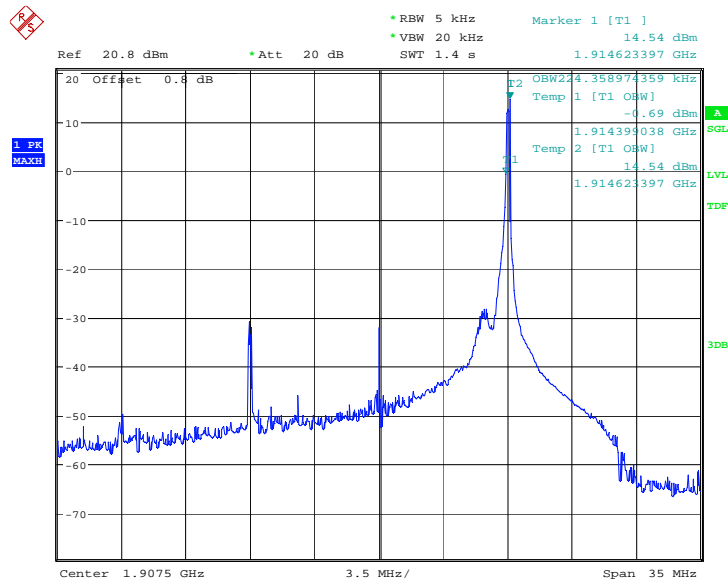
Date: 11.NOV.2021 15:40:05

LOW BAND EDGE BLOCK-1RB-LOW_offset



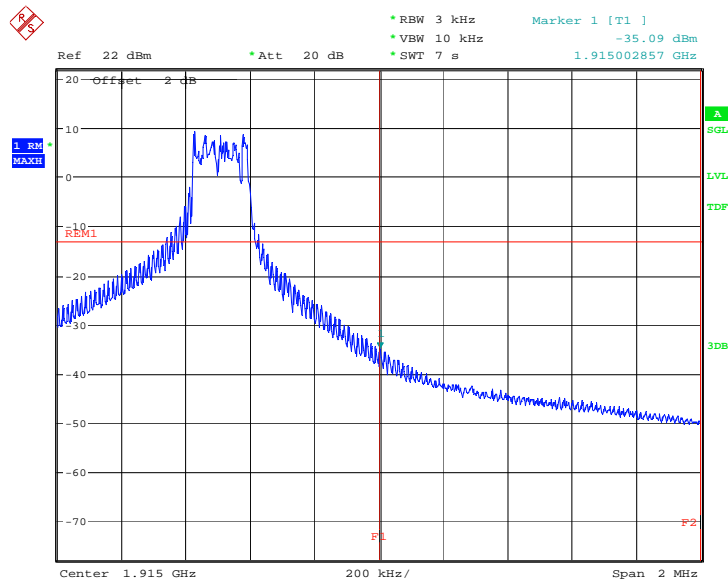
Date: 11.NOV.2021 15:40:25

OBW: 1RB-HIGH_offset



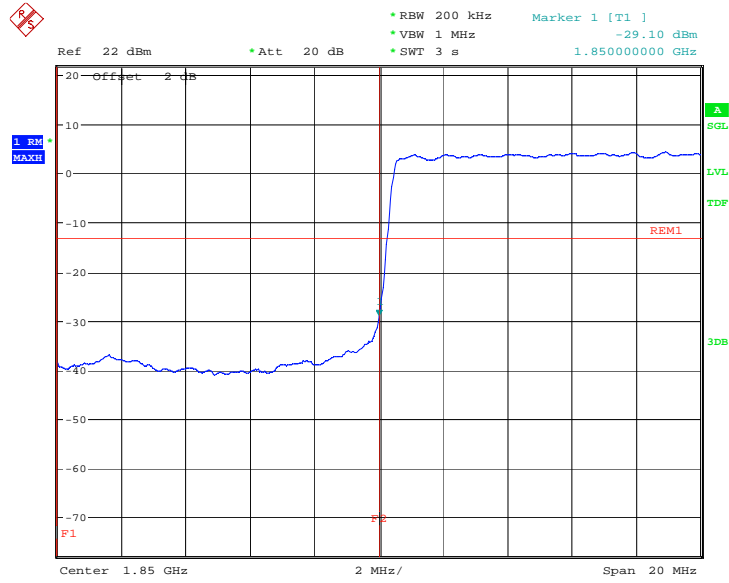
Date: 11.NOV.2021 15:41:41

HIGH BAND EDGE BLOCK-1RB-HIGH_offset



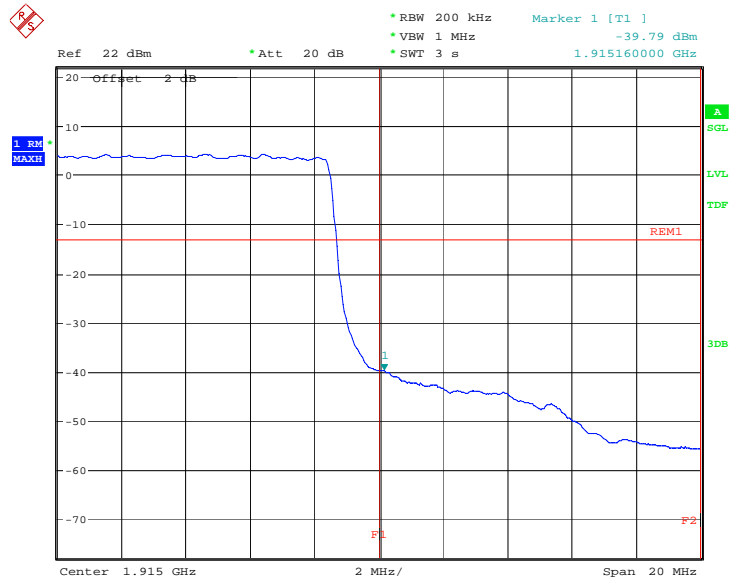
Date: 11.NOV.2021 15:42:00

LOW BAND EDGE BLOCK-20M-100%RB



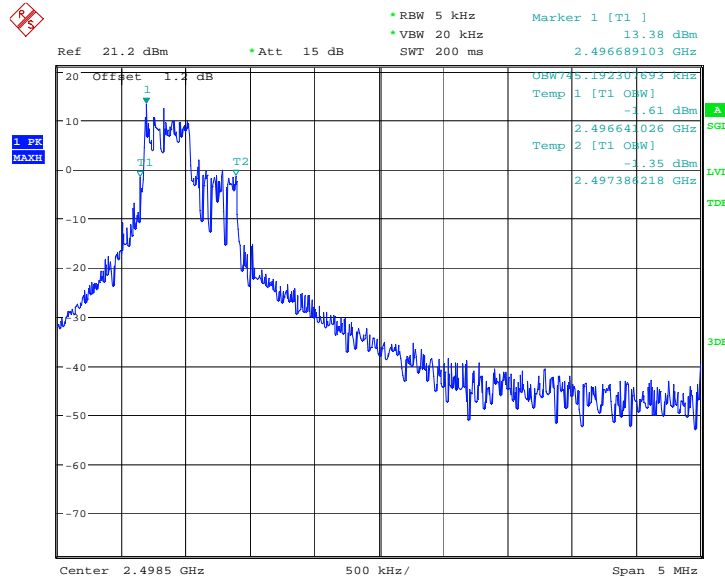
Date: 11.NOV.2021 15:43:29

HIGH BAND EDGE BLOCK-20M-100%RB



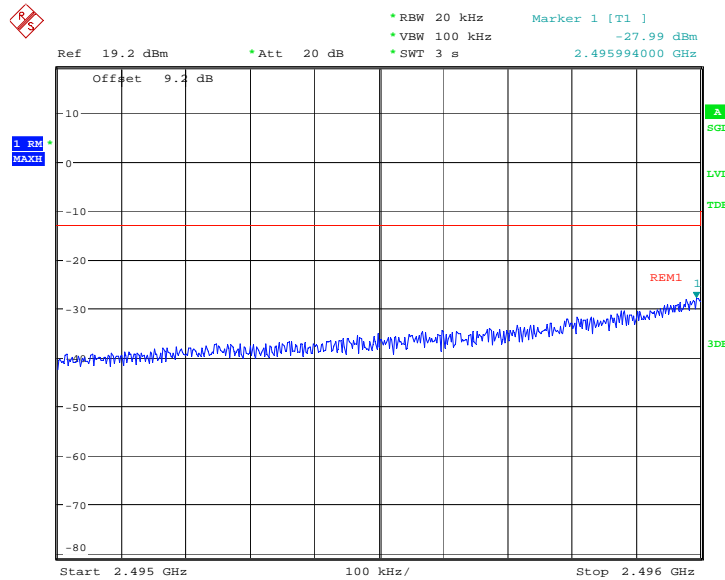
Date: 11.NOV.2021 15:44:54

LTE Band 66+NR n41
OBW: 1RB-LOW_offset



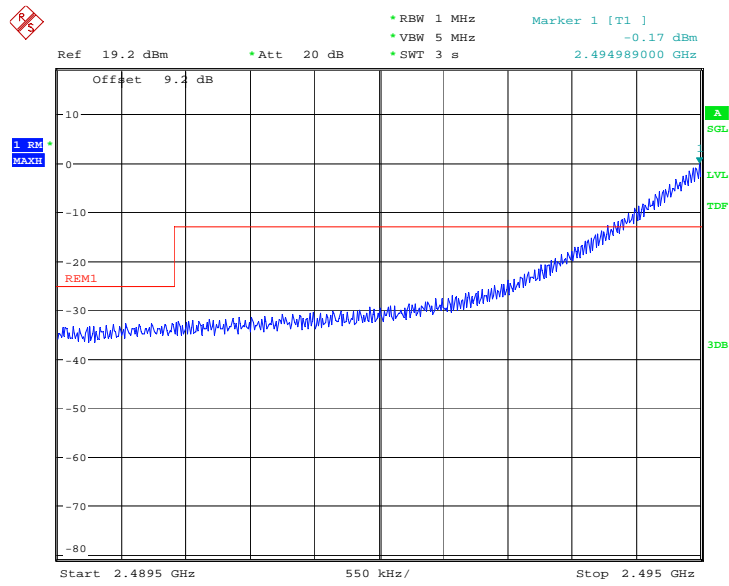
Date: 11.NOV.2021 13:18:10

LOW BAND EDGE BLOCK-1RB-LOW_offset



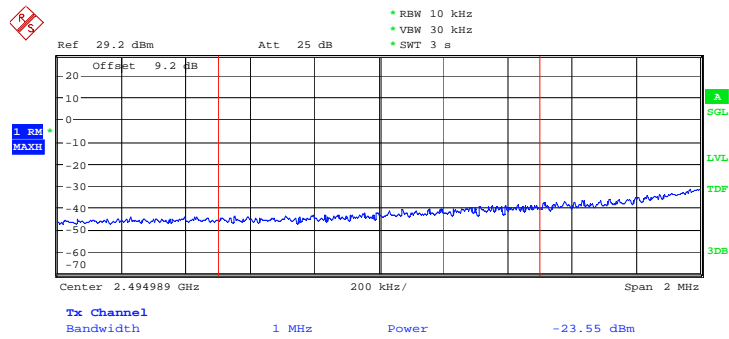
Date: 11.NOV.2021 13:18:32

LOW BAND EDGE BLOCK-1RB-LOW_offset



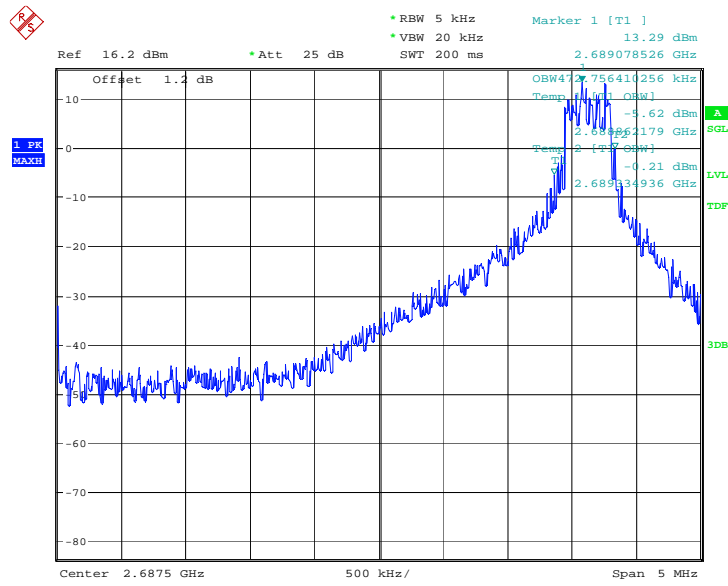
Date: 11.NOV.2021 13:18:54

Channal Power



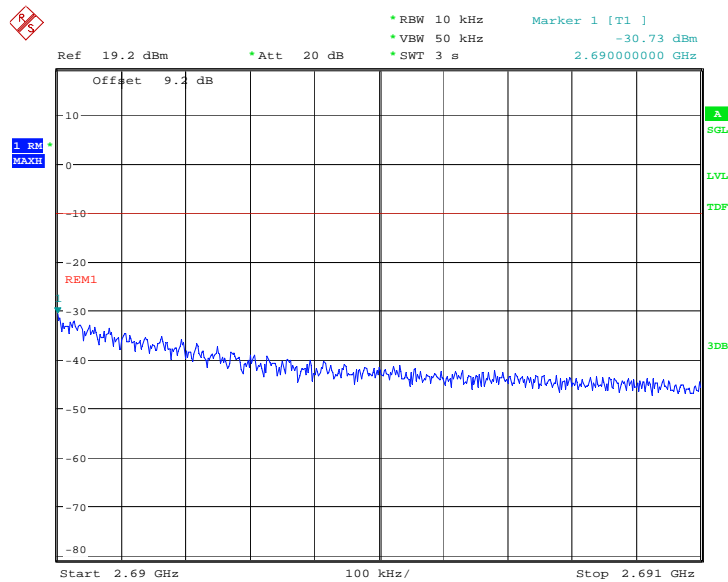
Date: 11.NOV.2021 13:19:17

OBW: 1RB-HIGH_offset



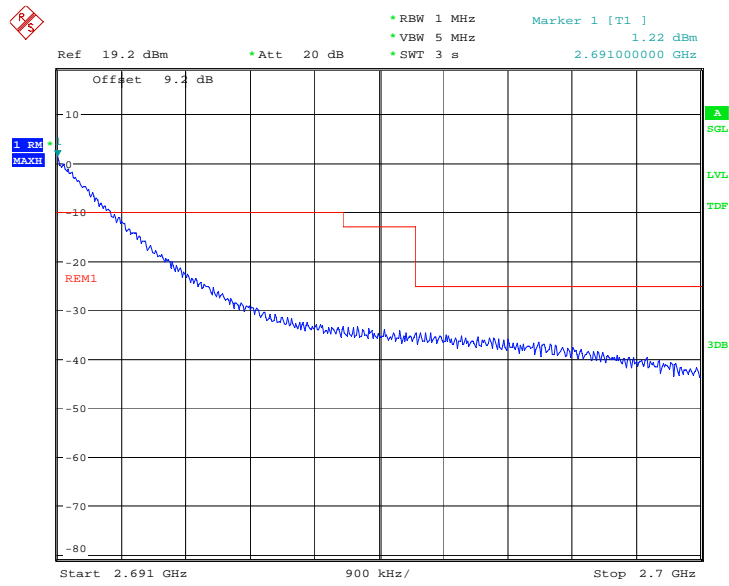
Date: 11.NOV.2021 13:20:37

HIGH BAND EDGE BLOCK-1RB-HIGH_offset



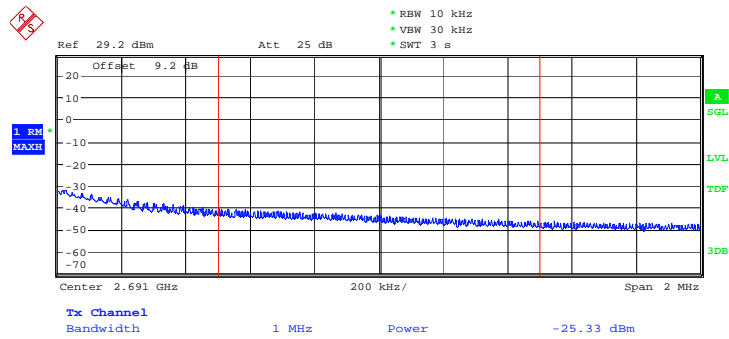
Date: 11.NOV.2021 13:20:59

HIGH BAND EDGE BLOCK-1RB-HIGH_offset



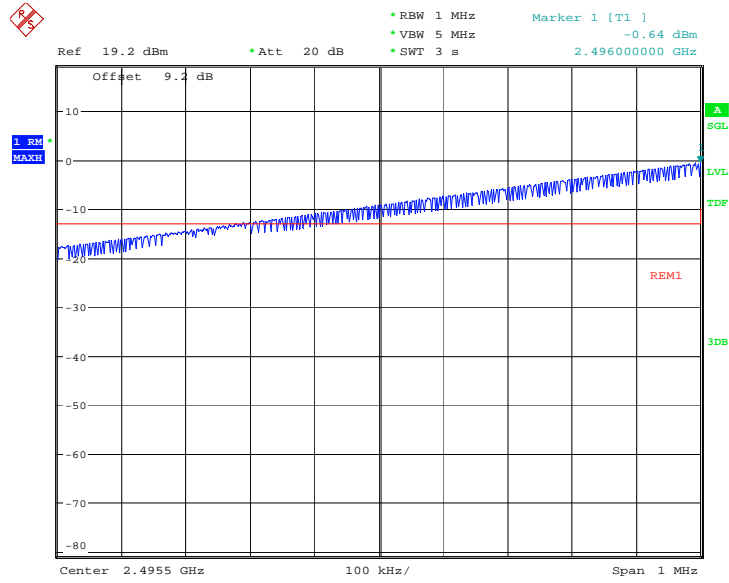
Date: 11.NOV.2021 13:21:21

Channal Power



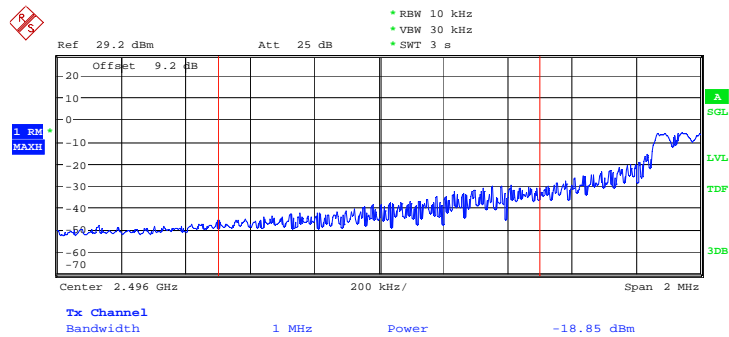
Date: 11.NOV.2021 13:21:44

LOW BAND EDGE BLOCK-100M-100%RB



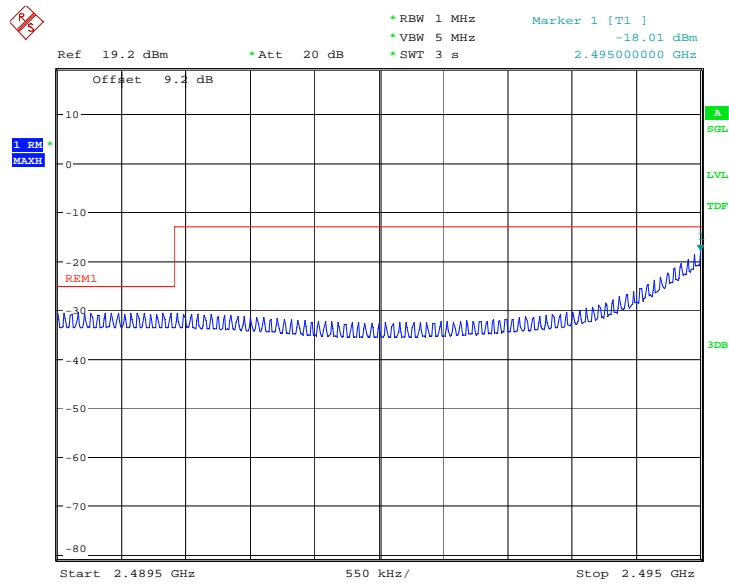
Date: 11.NOV.2021 13:23:40

Channal Power



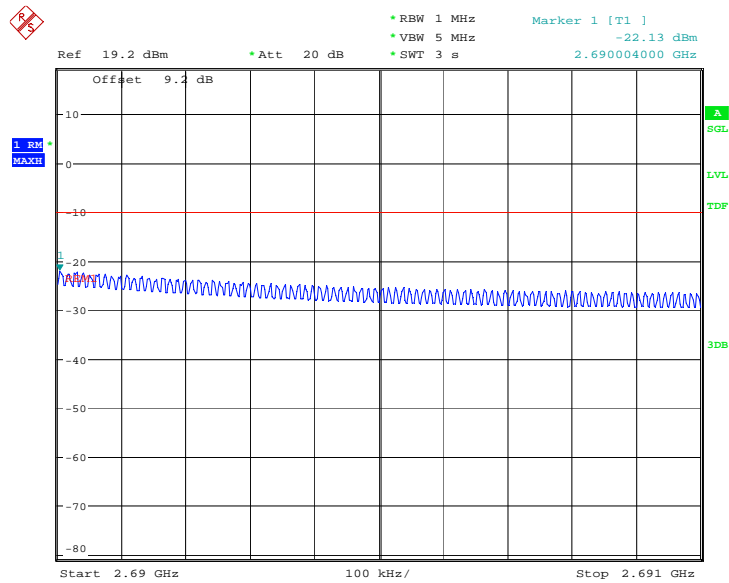
Date: 11.NOV.2021 13:24:03

LOW BAND EDGE BLOCK-100M-100%RB



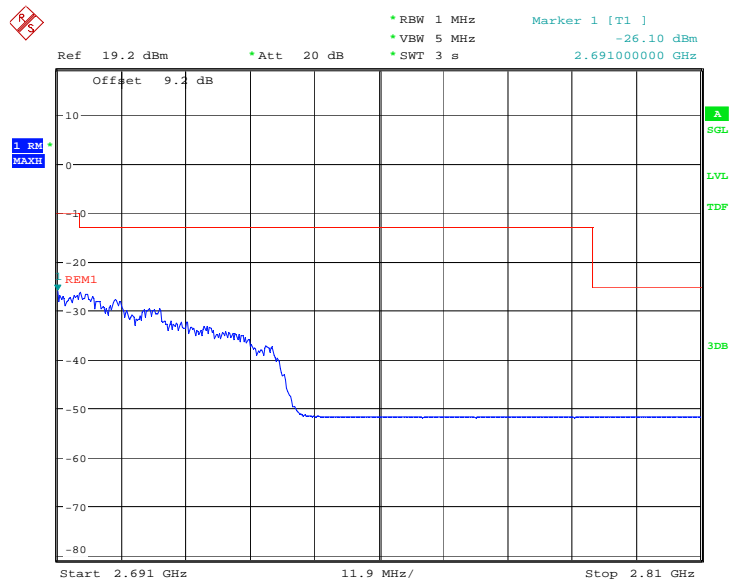
Date: 11.NOV.2021 13:24:24

HIGH BAND EDGE BLOCK-100M-100%RB



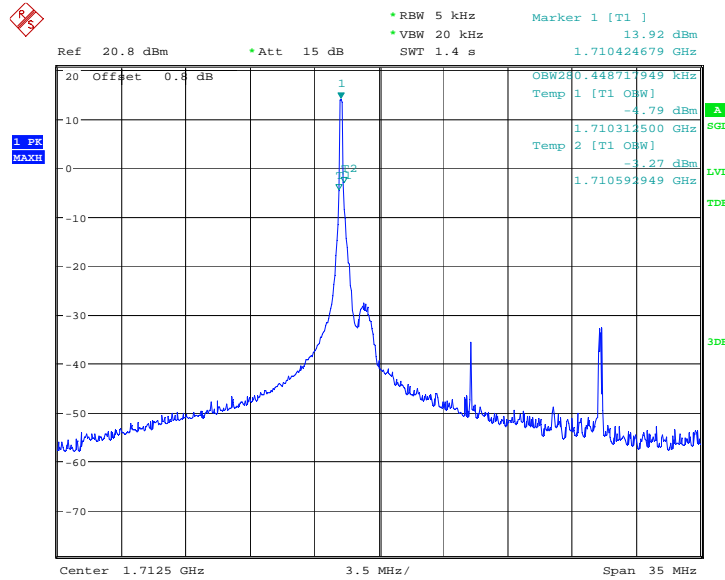
Date: 11.NOV.2021 13:25:53

HIGH BAND EDGE BLOCK-100M-100%RB



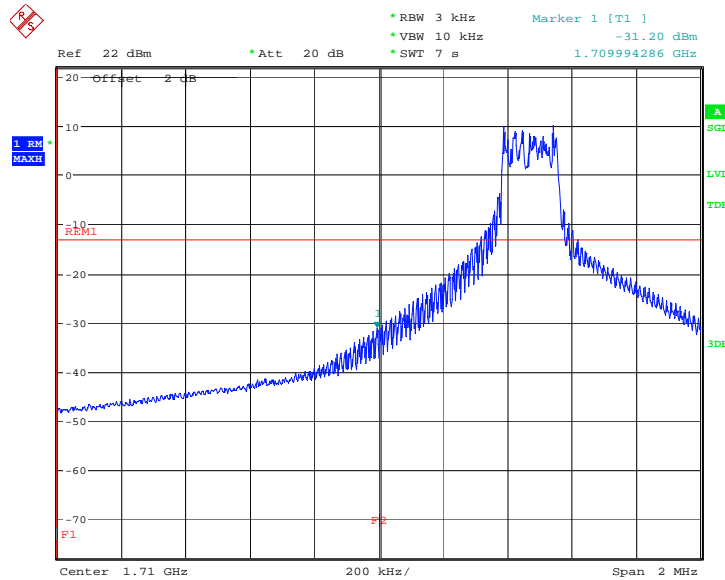
Date: 11.NOV.2021 13:26:14

LTE Band 12+NR n66
OBW: 1RB-LOW_offset



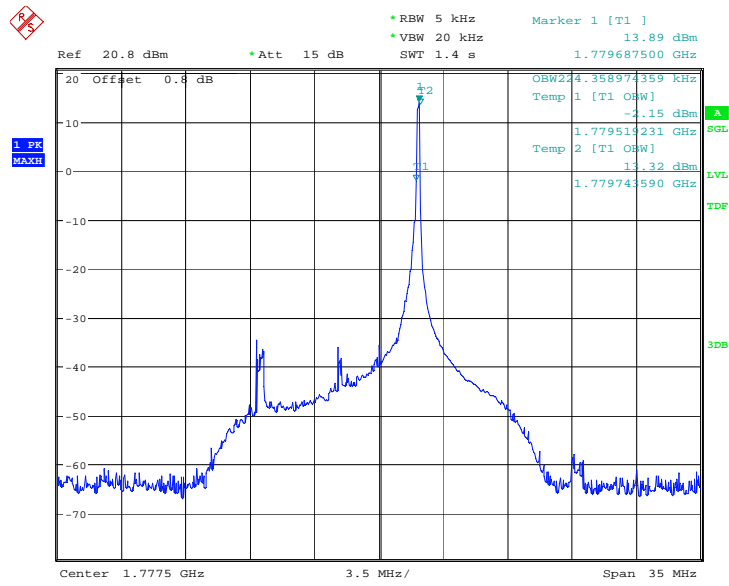
Date: 11.NOV.2021 15:46:14

LOW BAND EDGE BLOCK-1RB-LOW_offset



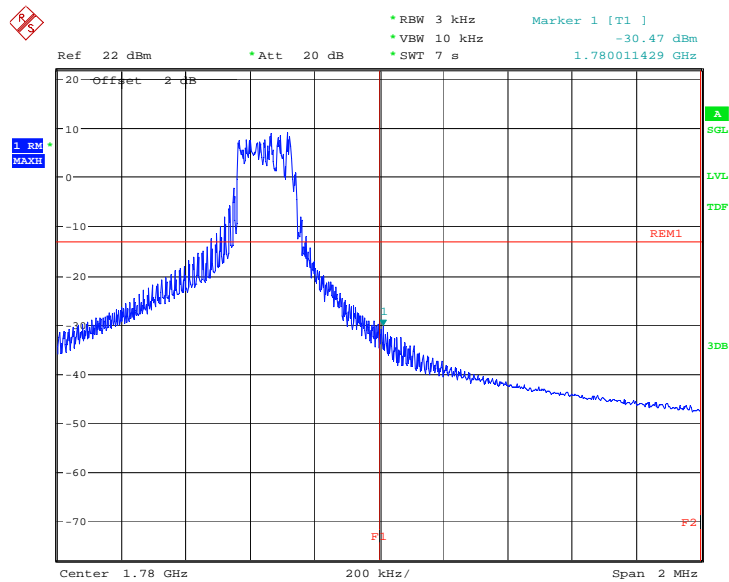
Date: 11.NOV.2021 15:46:34

OBW: 1RB-HIGH_offset



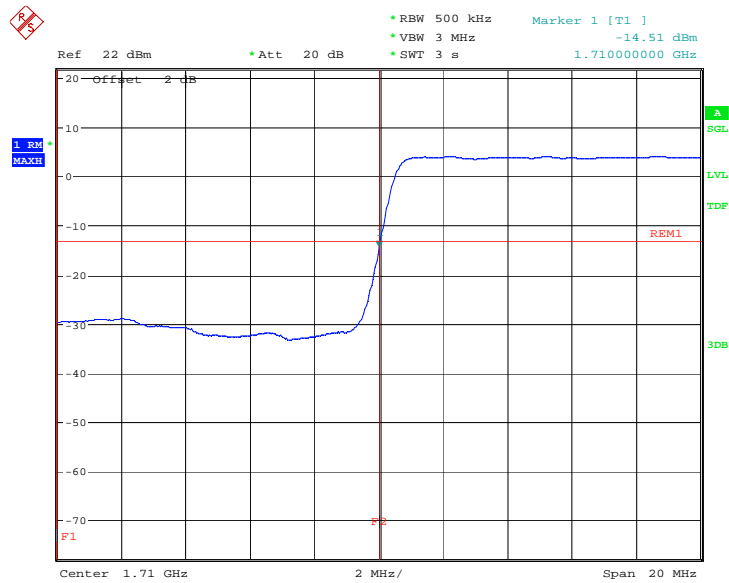
Date: 11.NOV.2021 15:47:54

HIGH BAND EDGE BLOCK-1RB-HIGH_offset



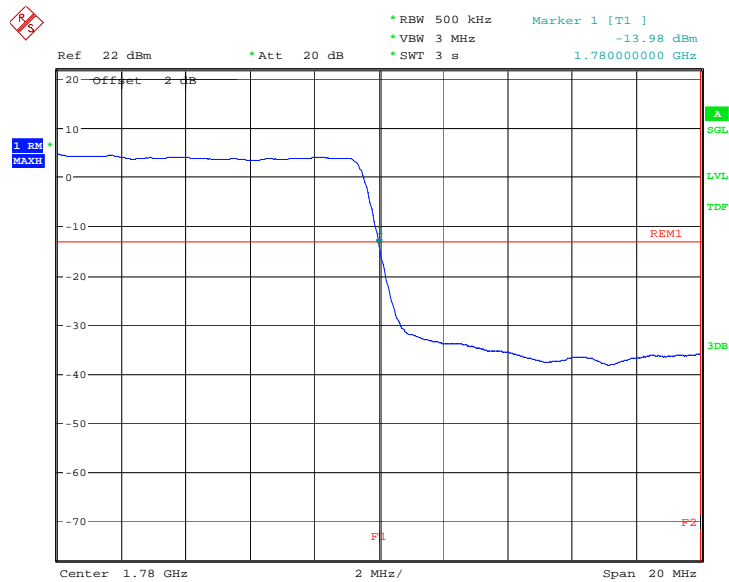
Date: 11.NOV.2021 15:48:14

LOW BAND EDGE BLOCK-40M-100%RB



Date: 11.NOV.2021 15:49:42

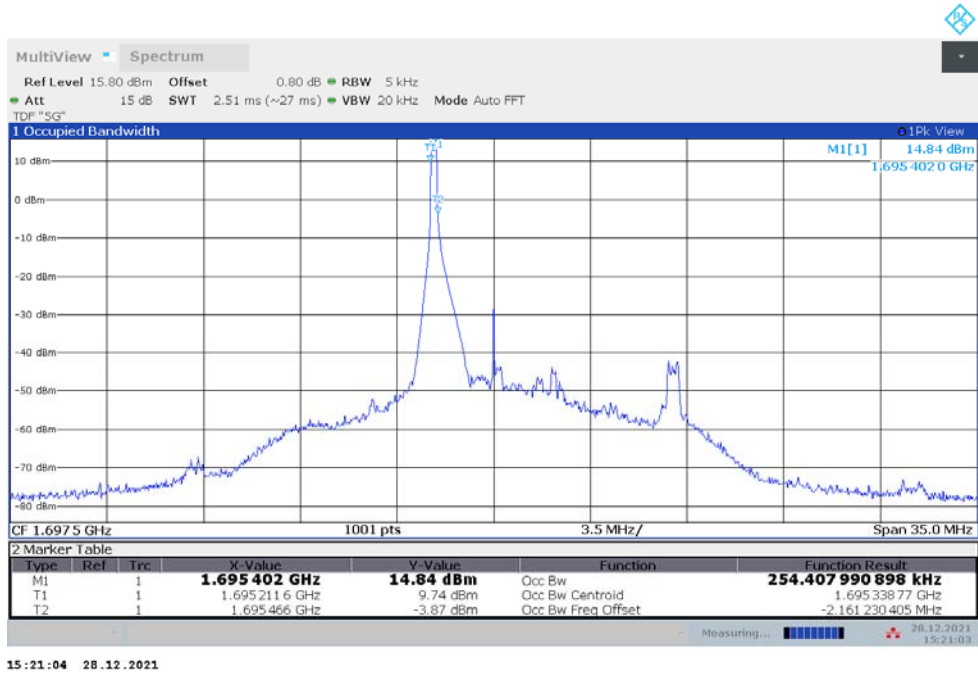
HIGH BAND EDGE BLOCK-40M-100%RB



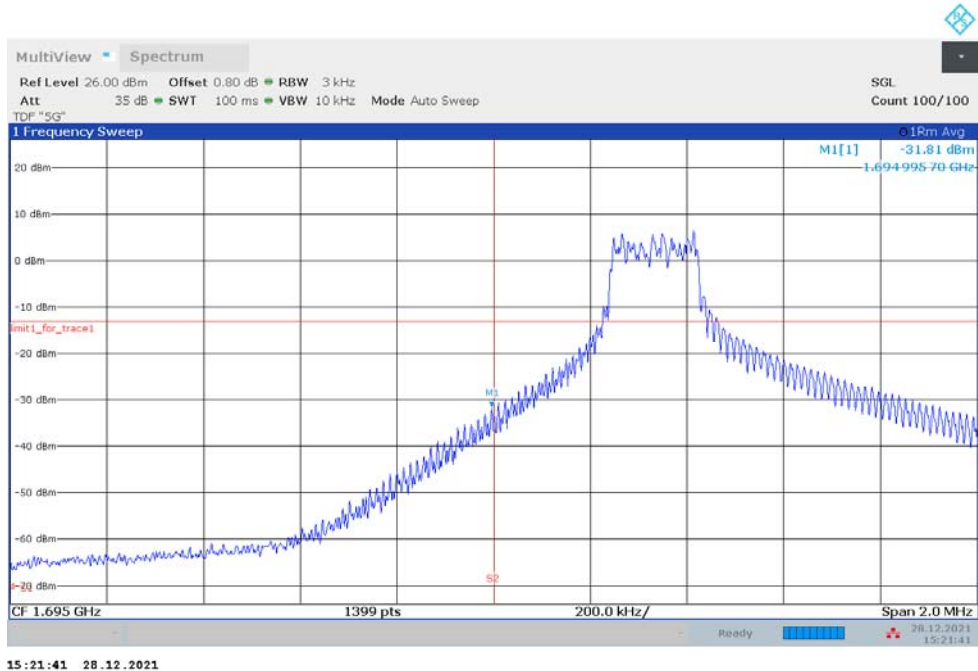
Date: 11.NOV.2021 15:51:07

NR n70

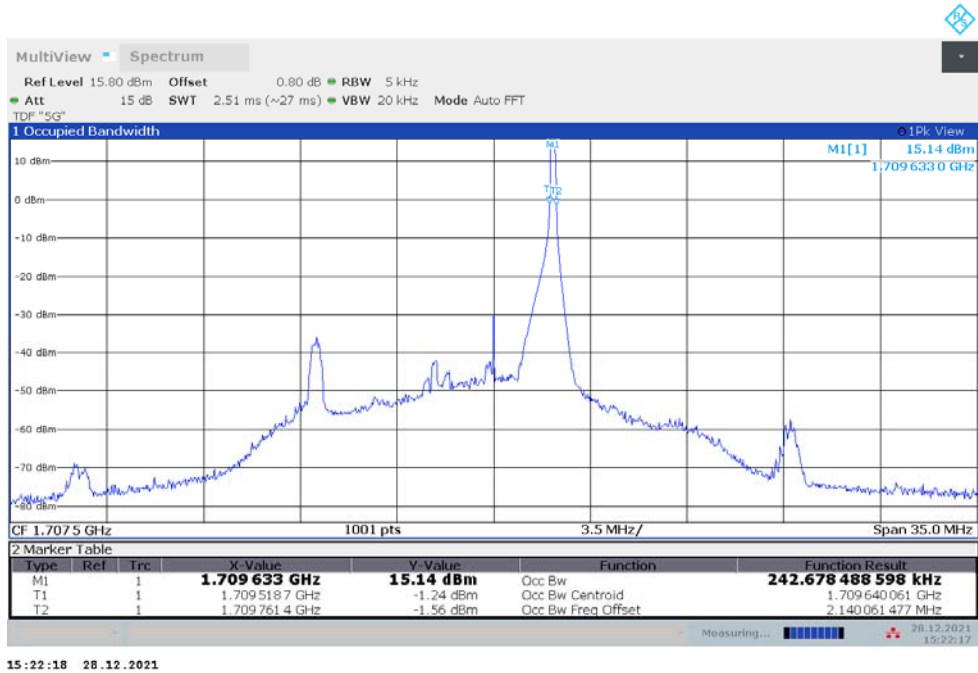
OBW: 1RB-LOW_offset



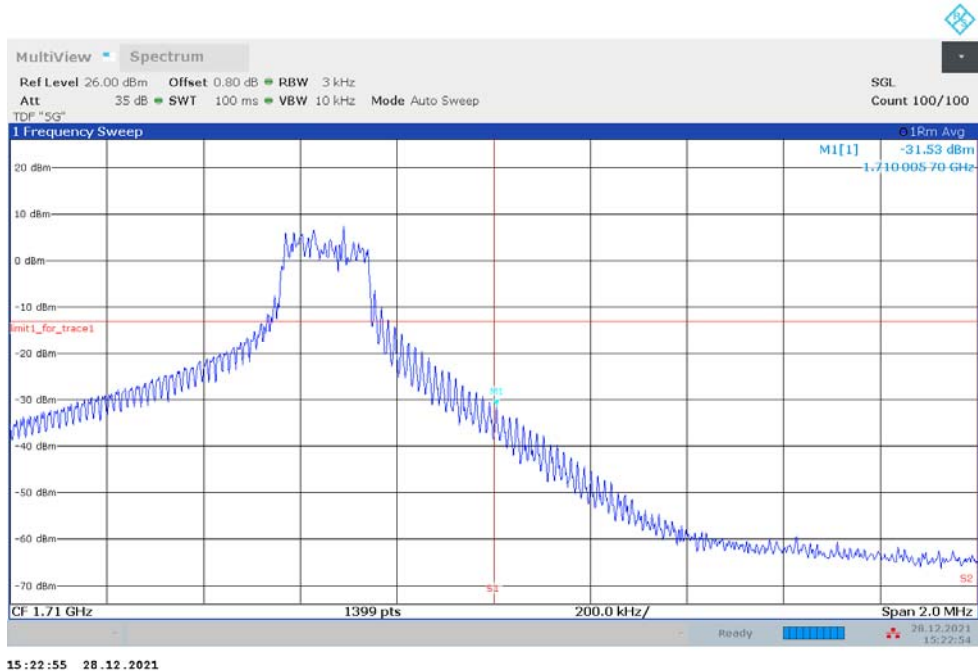
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OBW: 1RB-HIGH_offset

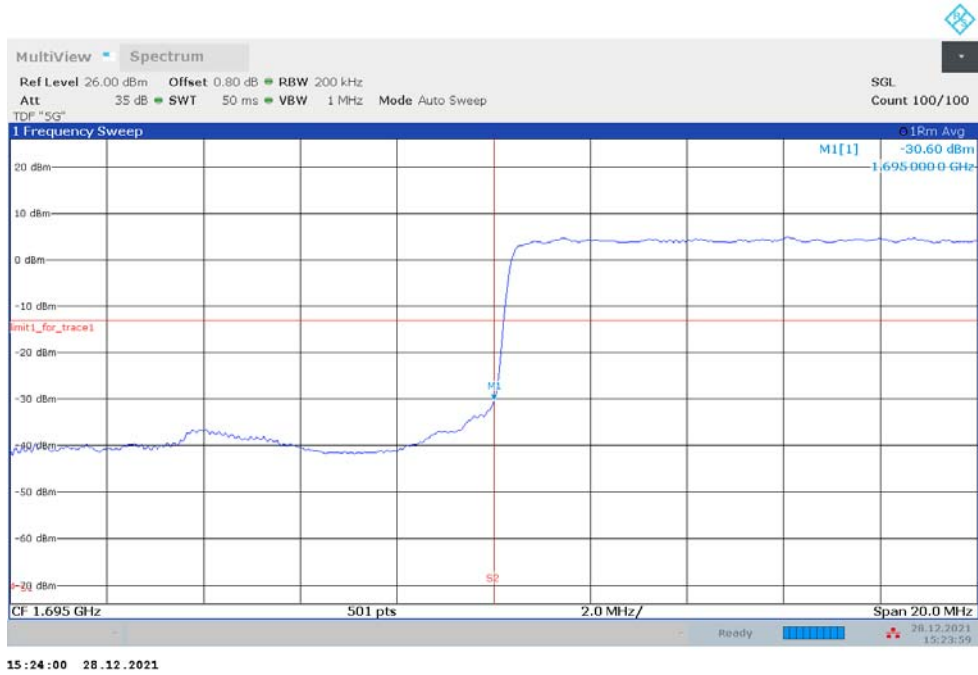


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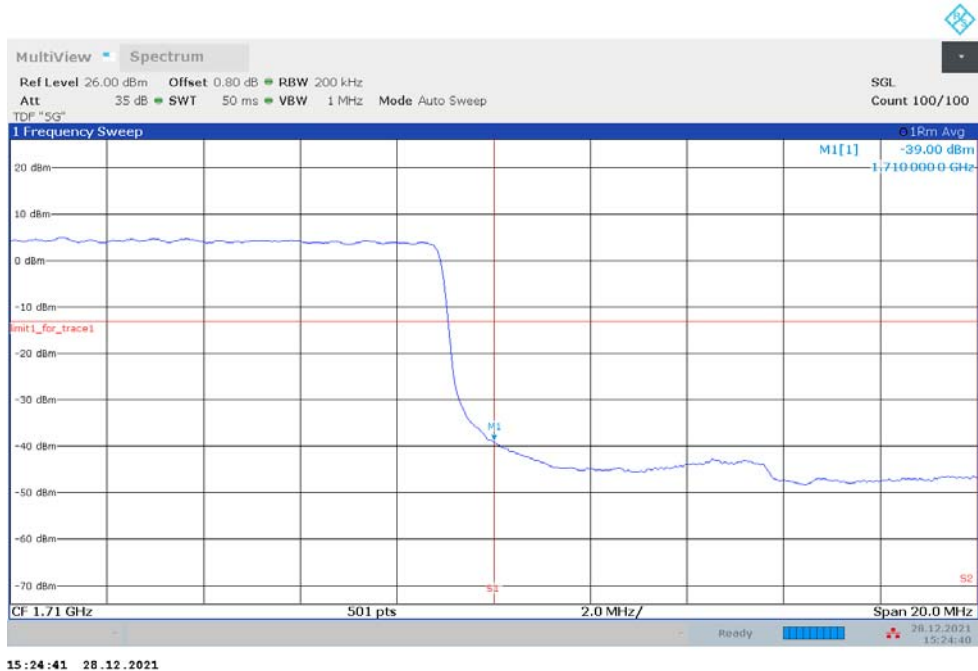


NR n70

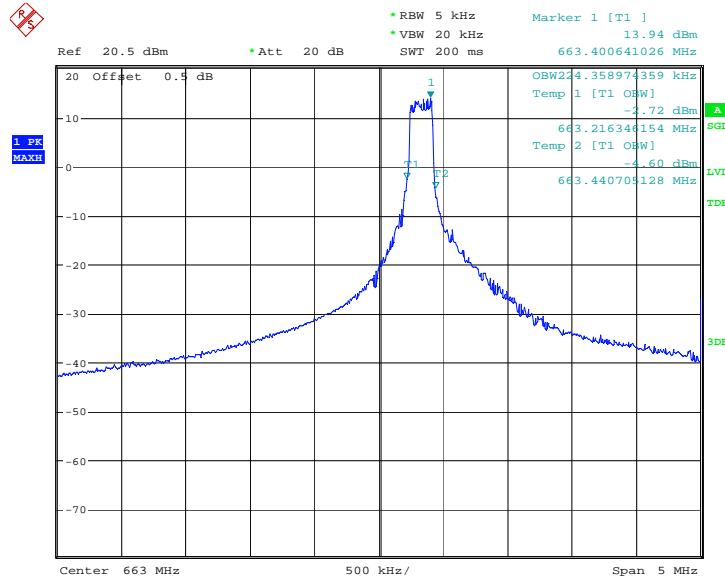
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HIGH BAND EDGE BLOCK-15M-100%RB

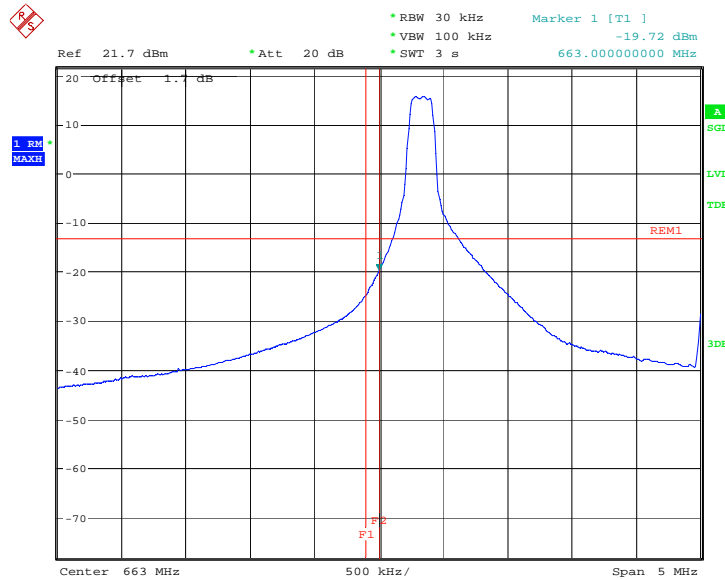


LTE Band 66+NR n71
OBW: 1RB-LOW_offset



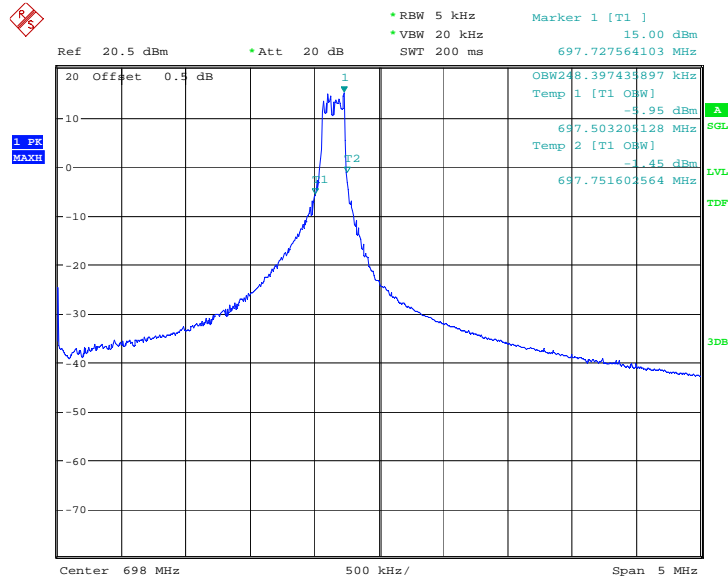
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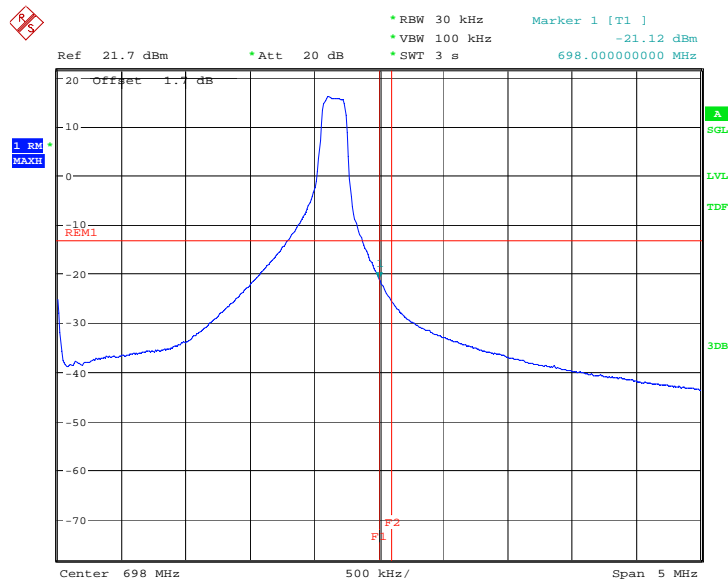
Date: 11.NOV.2021 15:10:16

OBW: 1RB-HIGH_offset



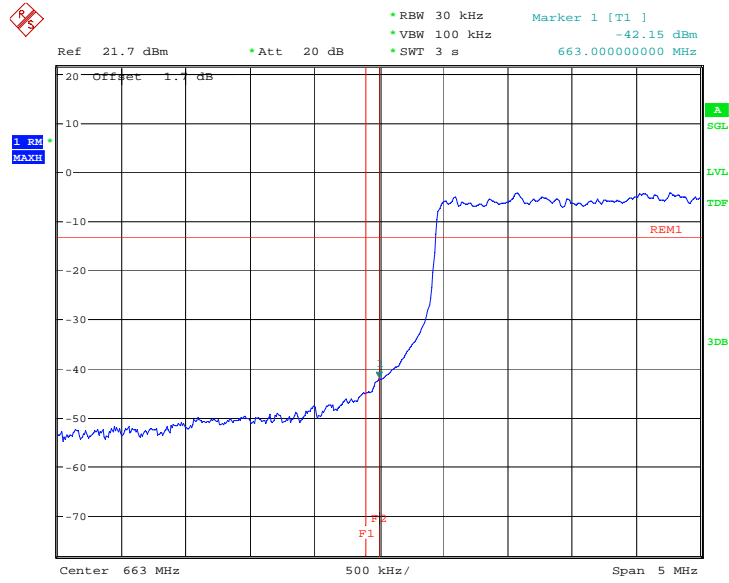
Date: 11.NOV.2021 15:11:31

HIGH BAND EDGE BLOCK-1RB-HIGH_offset



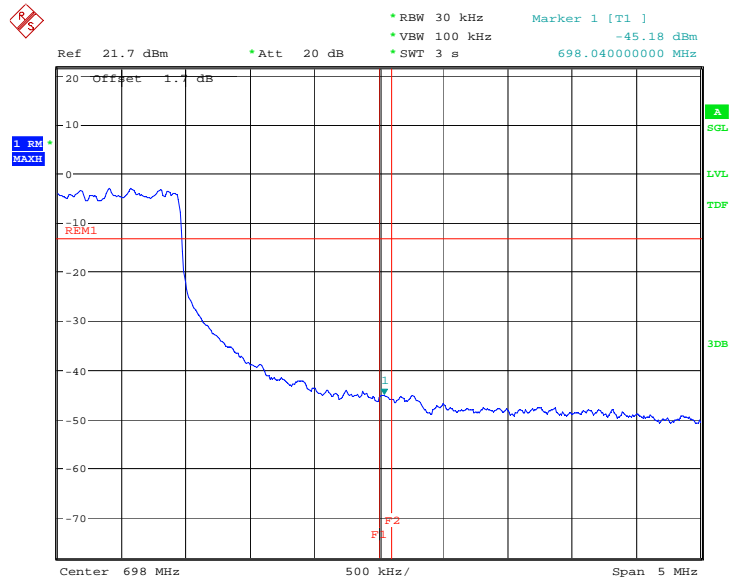
Date: 11.NOV.2021 15:11:51

LOW BAND EDGE BLOCK-20M-100%RB



Date: 11.NOV.2021 15:13:19

HIGH BAND EDGE BLOCK-20M-100%RB

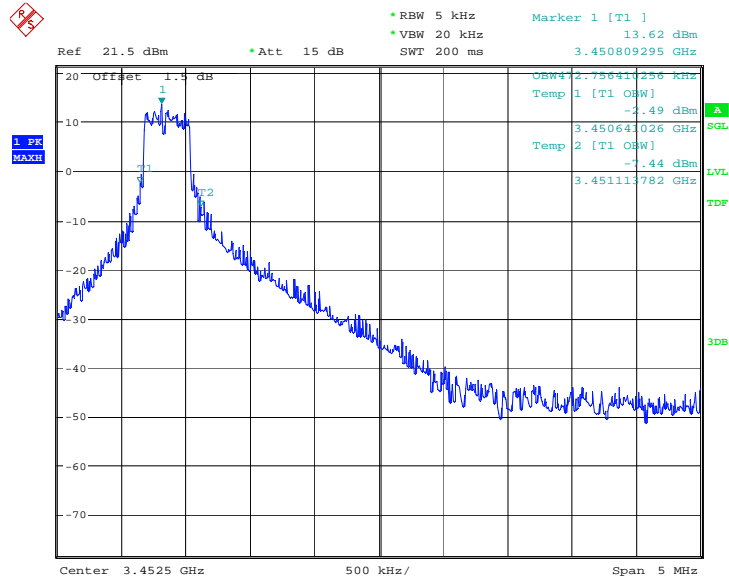


Date: 11.NOV.2021 15:14:43



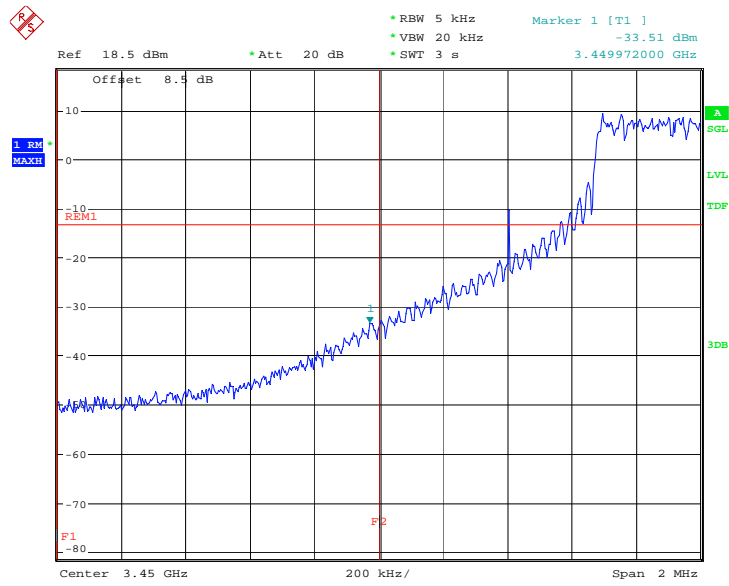
NR n77L

OBW: 1RB-LOW_offset



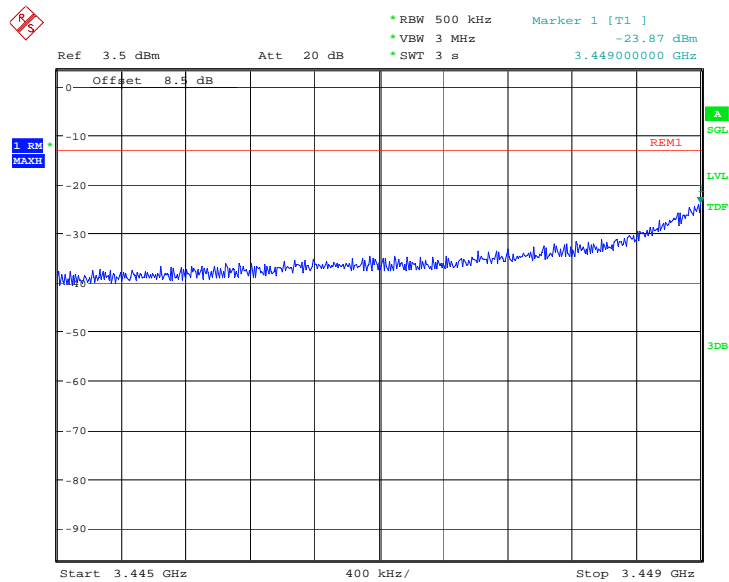
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LOW BAND EDGE BLOCK-1RB-LOW_offset



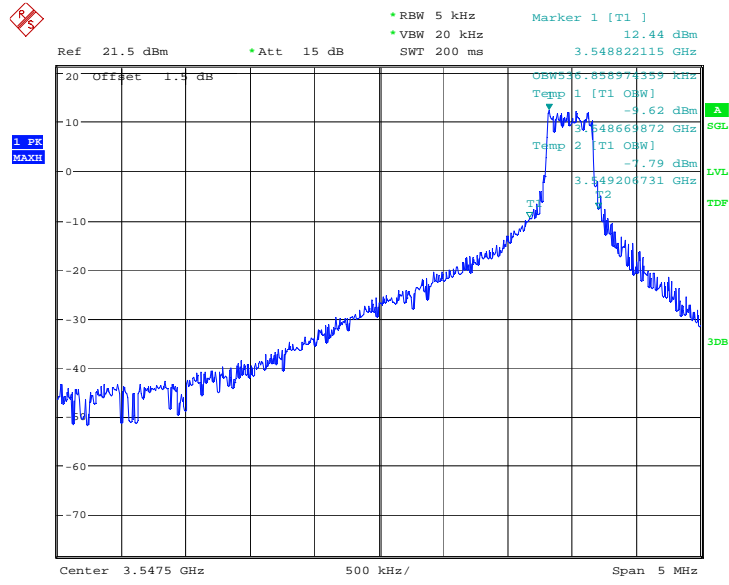
Date: 11.NOV.2021 14:15:14

LOW BAND EDGE BLOCK-1RB-LOW_offset



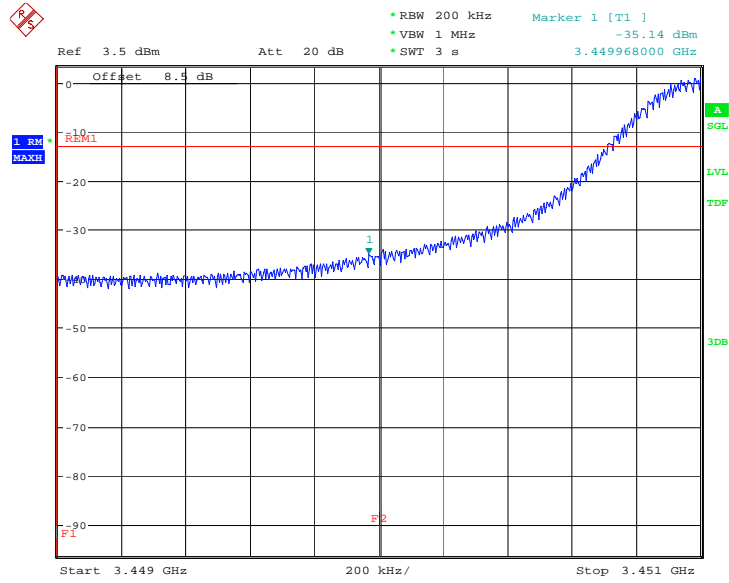
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OBW: 1RB-HIGH_offset



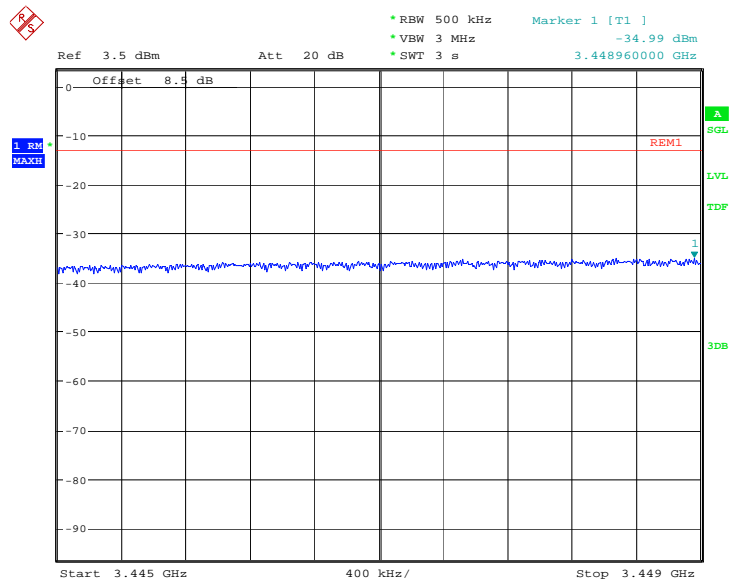
Date: 11.NOV.2021 14:16:39

LOW BAND EDGE BLOCK-90M-100%RB



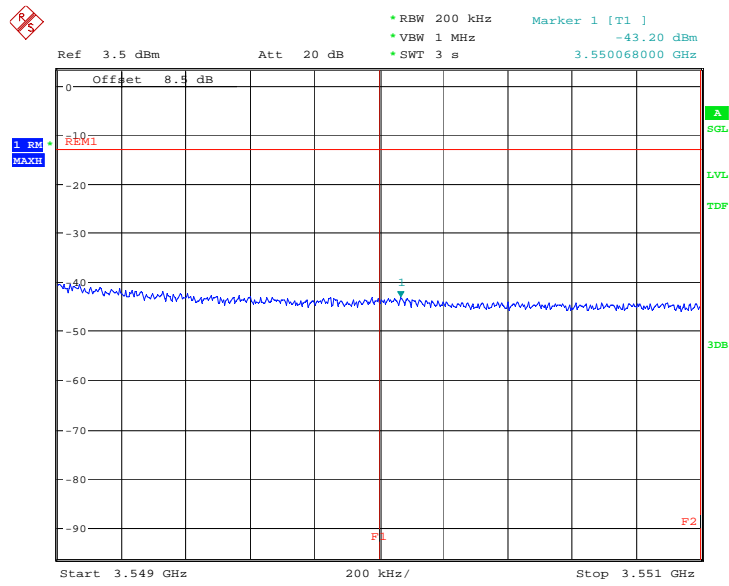
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LOW BAND EDGE BLOCK-90M-100%RB



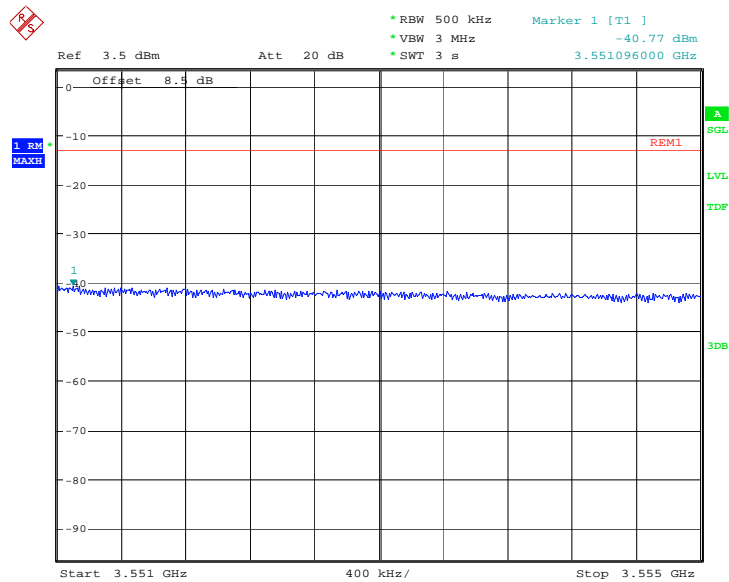
Date: 11.NOV.2021 14:19:03

HIGH BAND EDGE BLOCK-90M-100%RB



Date: 11.NOV.2021 14:19:50

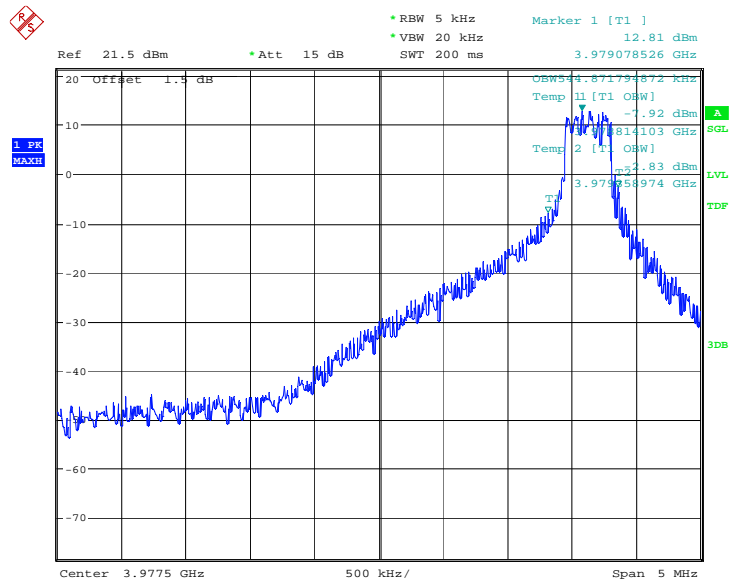
HIGH BAND EDGE BLOCK-90M-100%RB



Date: 11.NOV.2021 14:20:12

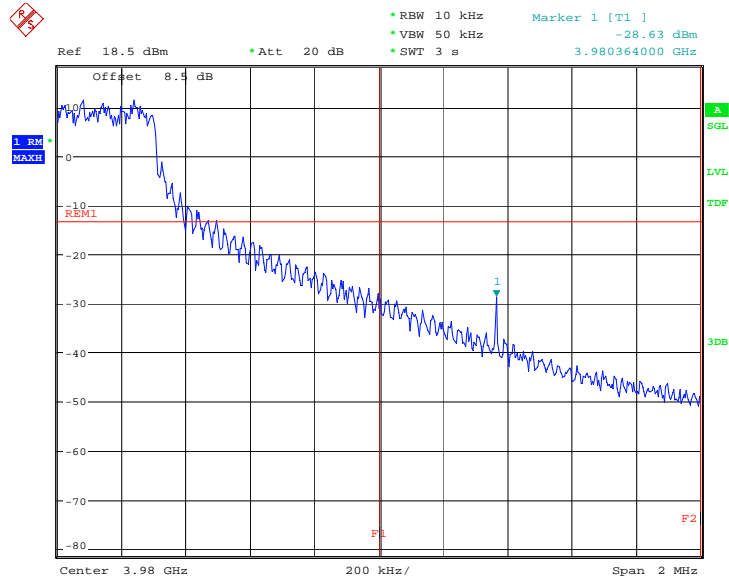
NR n77H

OBW: 1RB-HIGH_offset



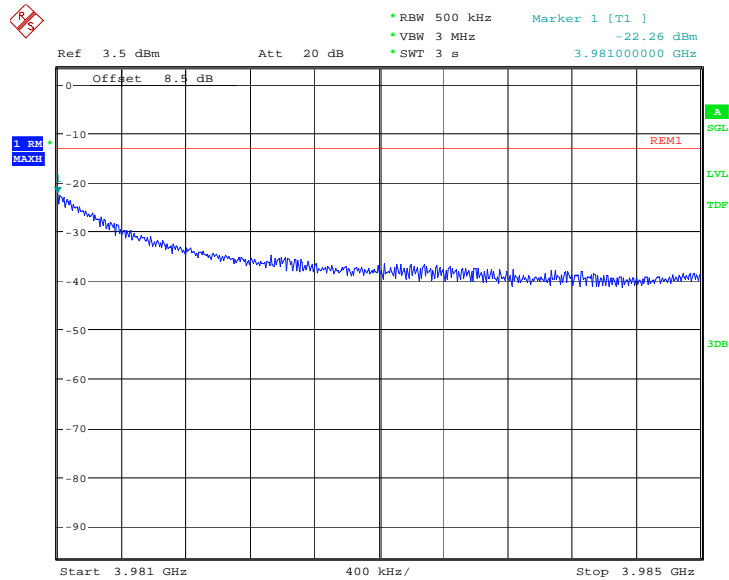
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HIGH BAND EDGE BLOCK-1RB-HIGH_offset



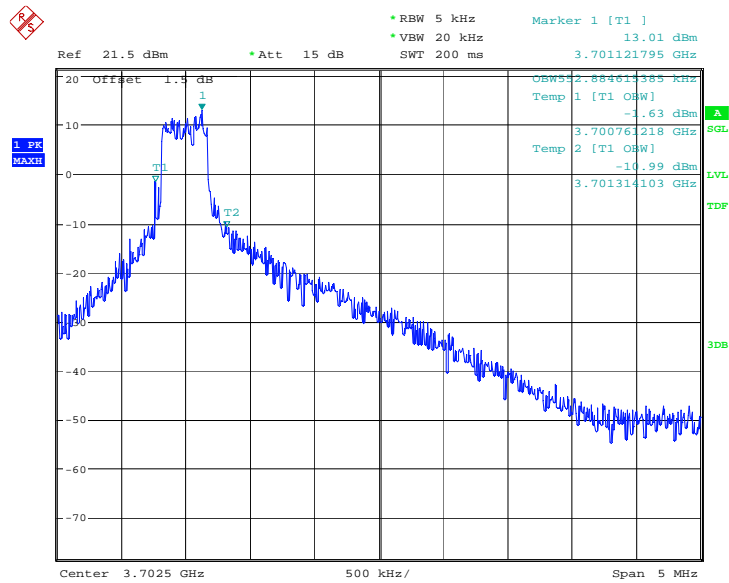
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HIGH BAND EDGE BLOCK-1RB-HIGH_offset



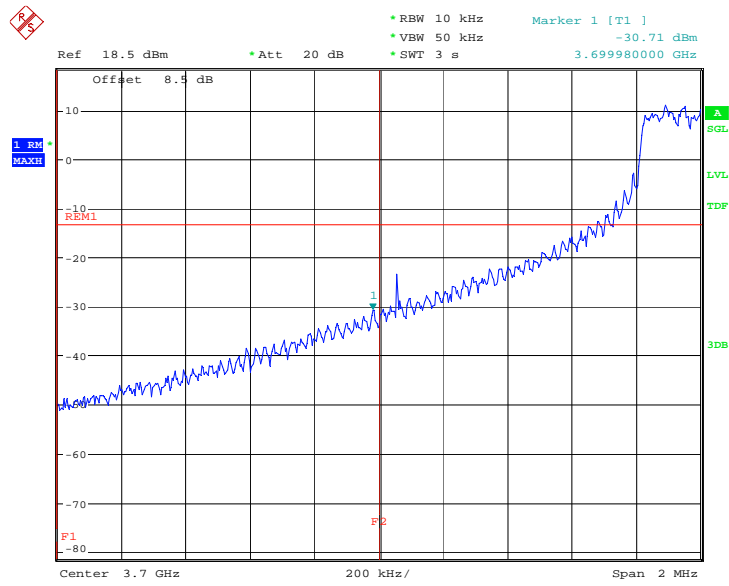
Date: 11.NOV.2021 14:23:48

OBW: 1RB-LOW_offset



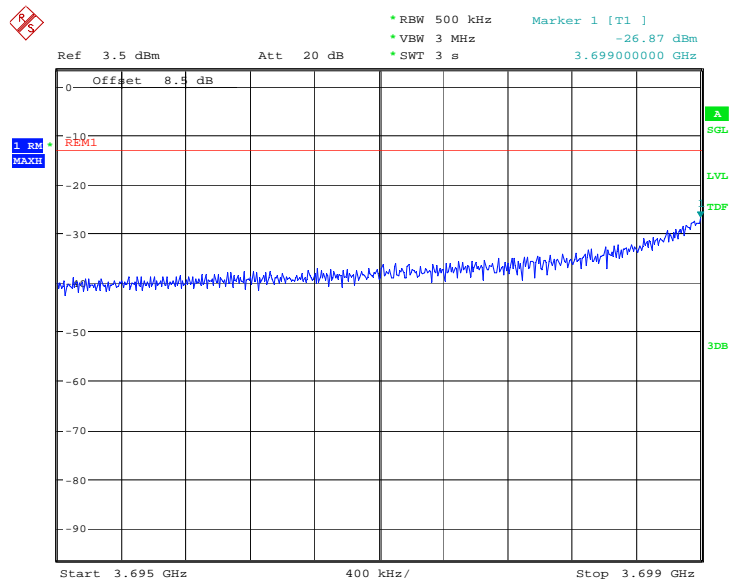
Date: 11.NOV.2021 14:21:10

LOW BAND EDGE BLOCK-1RB-LOW_offset



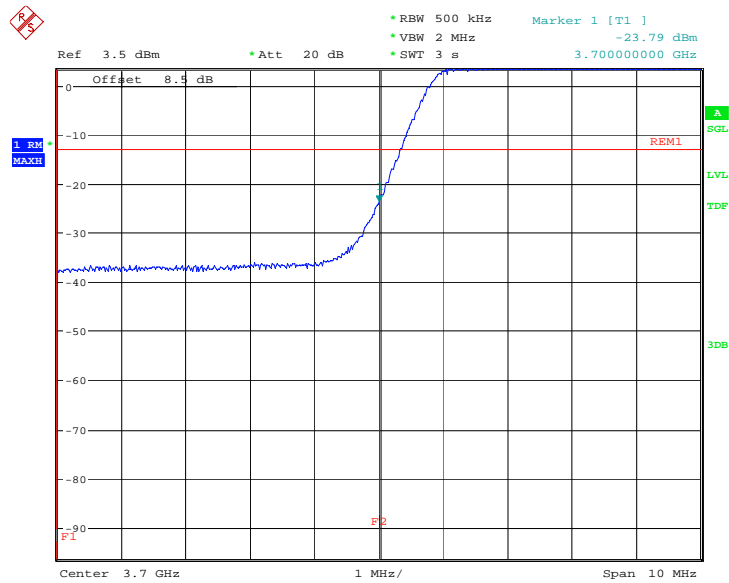
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LOW BAND EDGE BLOCK-1RB-LOW_offset



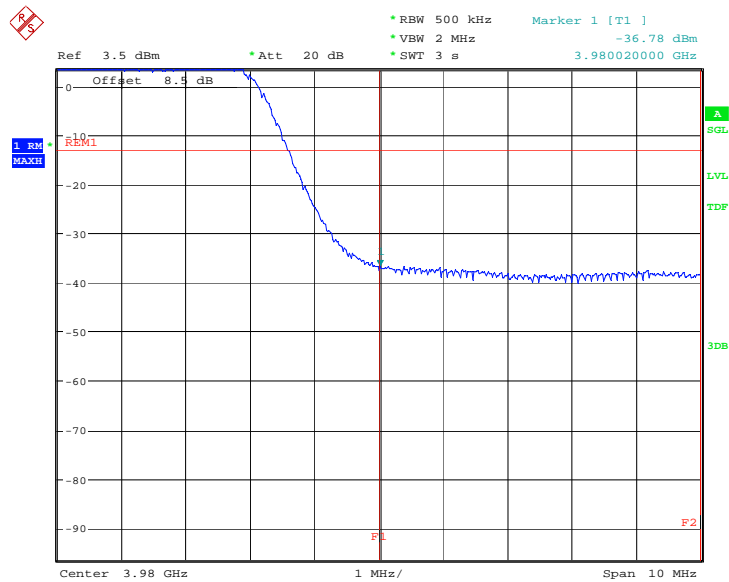
Date: 11.NOV.2021 14:22:10

LOW BAND EDGE BLOCK-100M-100%RB



Date: 11.NOV.2021 14:35:04

HIGH BAND EDGE BLOCK-100M-100%RB



Date: 11.NOV.2021 14:36:21

A.7 Conducted Spurious Emission

A.7.1 Measurement Method

The following steps outline the procedure used to measure the conducted emissions from the EUT.

1. In measuring unwanted emissions, the spectrum shall be investigated from 30 MHz or the lowest radio frequency signal generated in the equipment, whichever is lower, without going below 9 kHz, up to at least the frequency given below:
 - (a) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
 - (b) If the equipment operates at or above 10 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
2. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.
3. The number of sweep points of spectrum analyzer is set to 30001 which is greater than span/RBW.

A. 7.2 Measurement Limit

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

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

Part 27.53(g) states for operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. 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(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands

immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

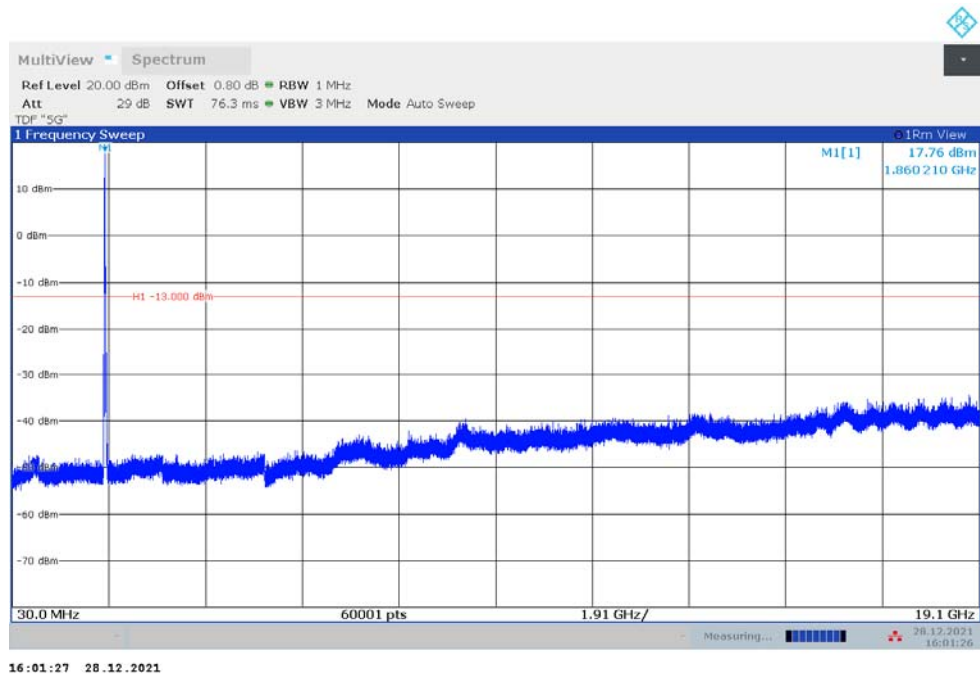
Part 27.53(l) states for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

Part 27.53(h) for operations in the 1695–1710 MHz, 1710–1755 MHz, 1755–1780 MHz, 1915–1920 MHz, 1995–2000 MHz, 2000–2020 MHz, 2110–2155 MHz, 2155–2180 MHz, and 2180–2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

A. 7.3 Measurement result

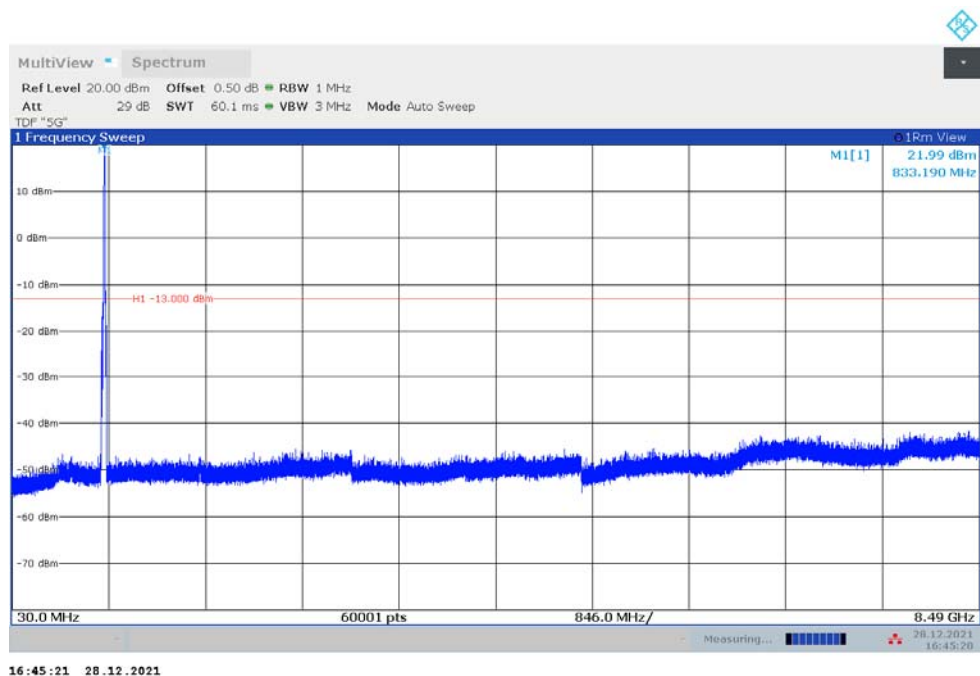
LTE Band 5+NR n2

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



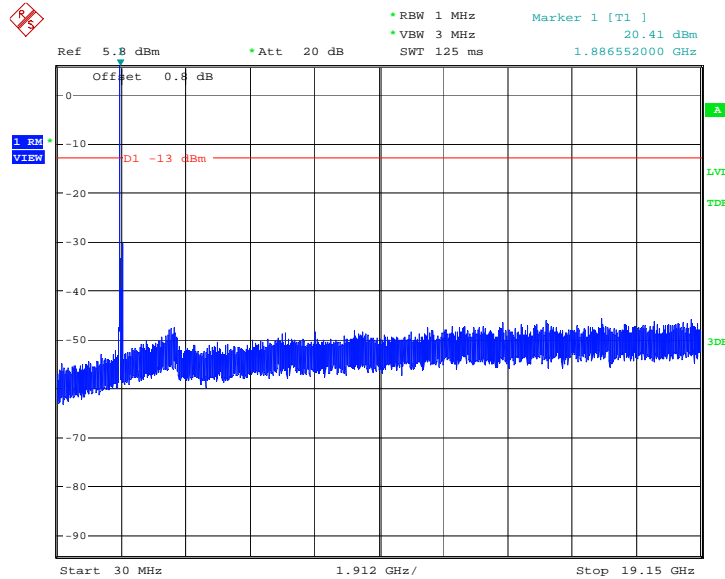
LTE Band 2+NR n5

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



LTE Band 12+NR n25

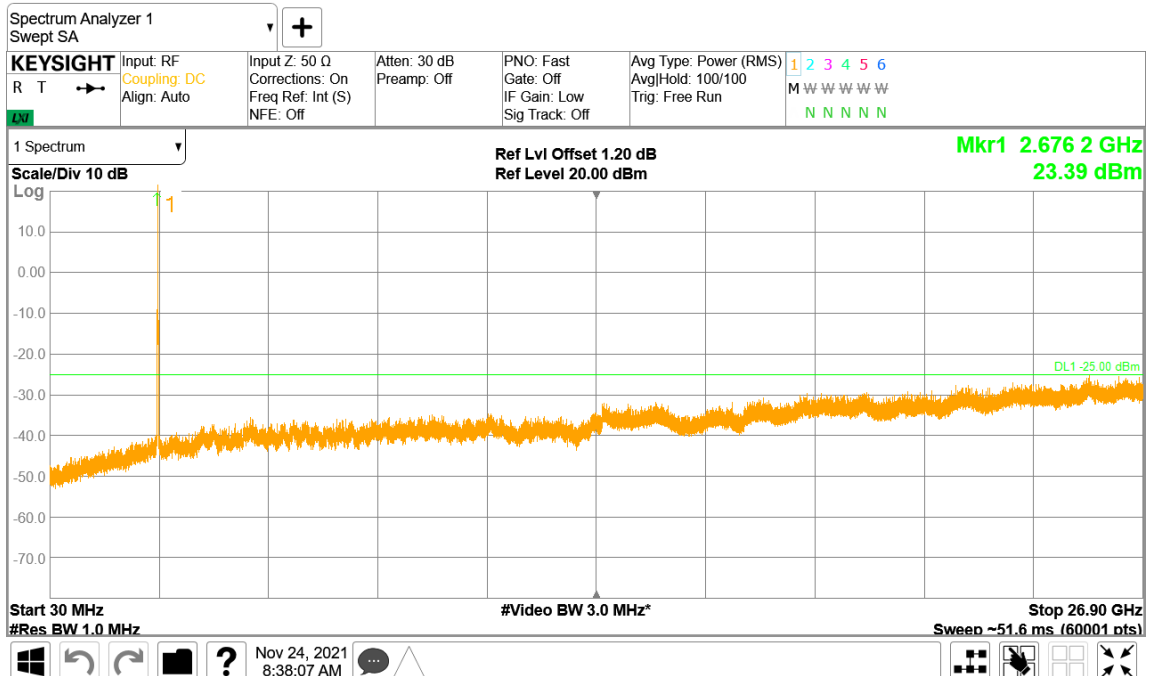
NOTE: peak above the limit line is the carrier frequency.



Date: 11.NOV.2021 15:52:53

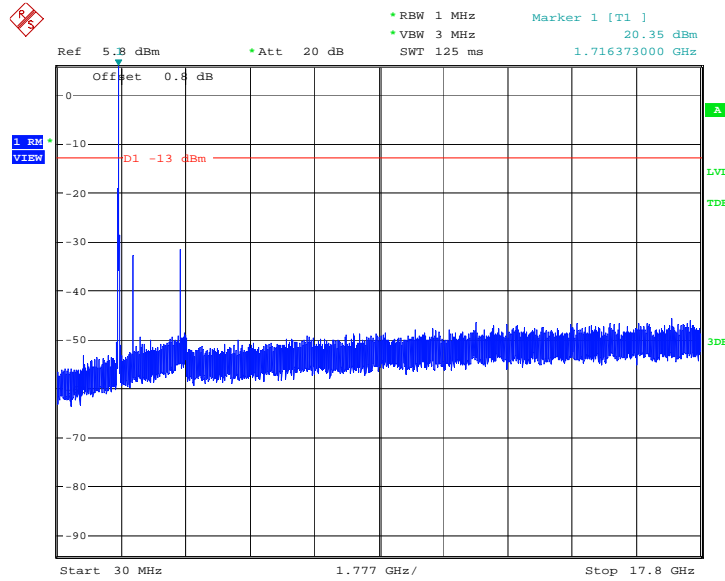
LTE Band 66+NR n41

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



LTE Band 12+NR n66

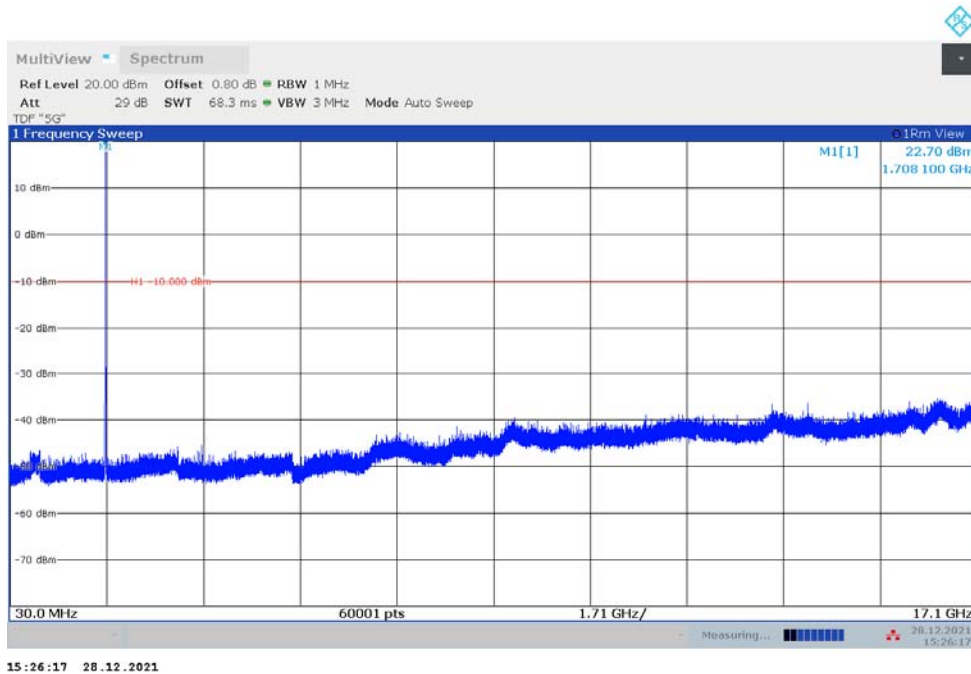
NOTE: peak above the limit line is the carrier frequency.



Date: 11.NOV.2021 15:54:44

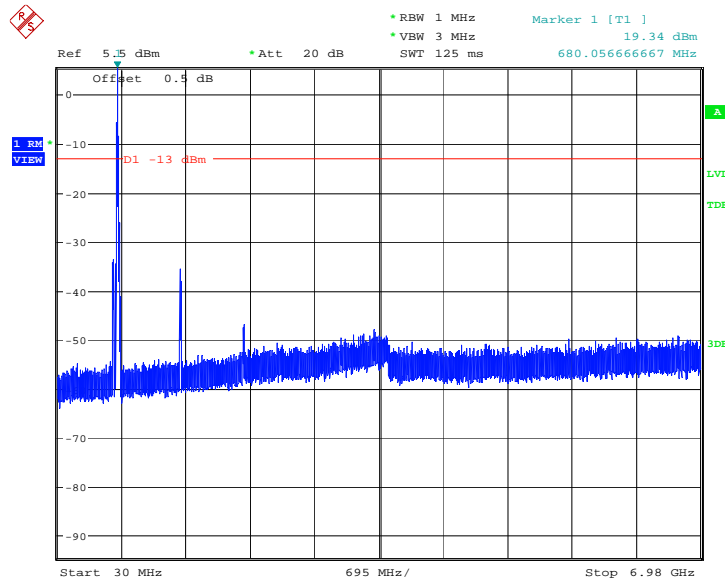
n70

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



LTE Band 66+NR n71

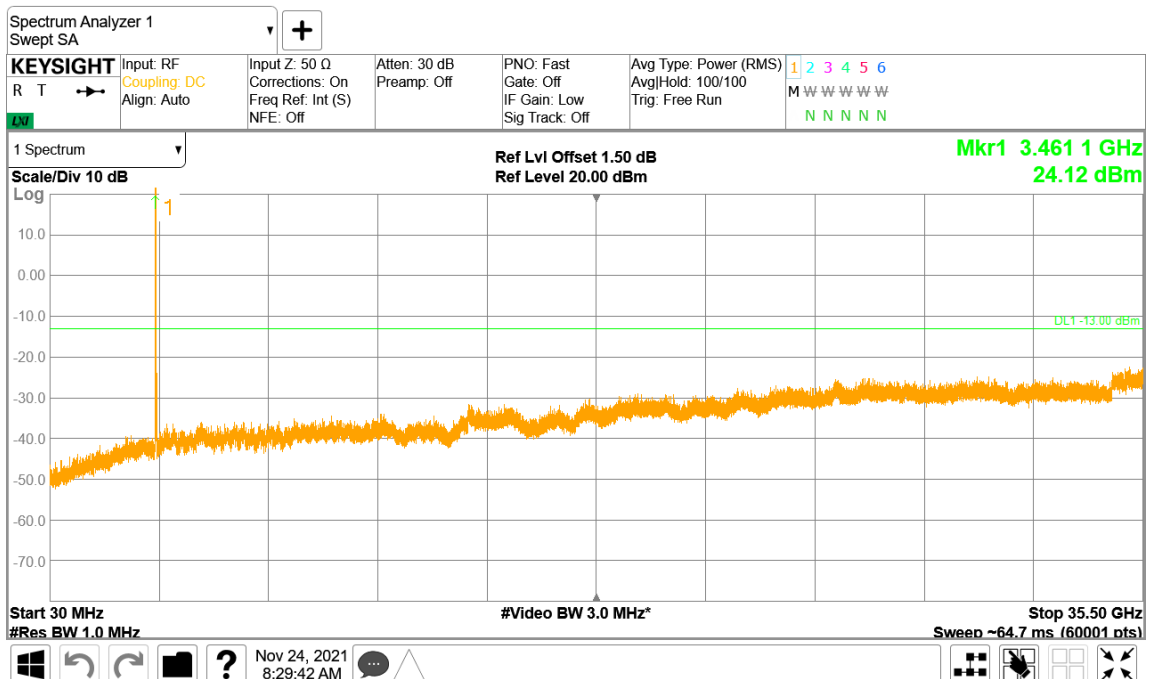
NOTE: peak above the limit line is the carrier frequency.



Date: 11.NOV.2021 15:16:34

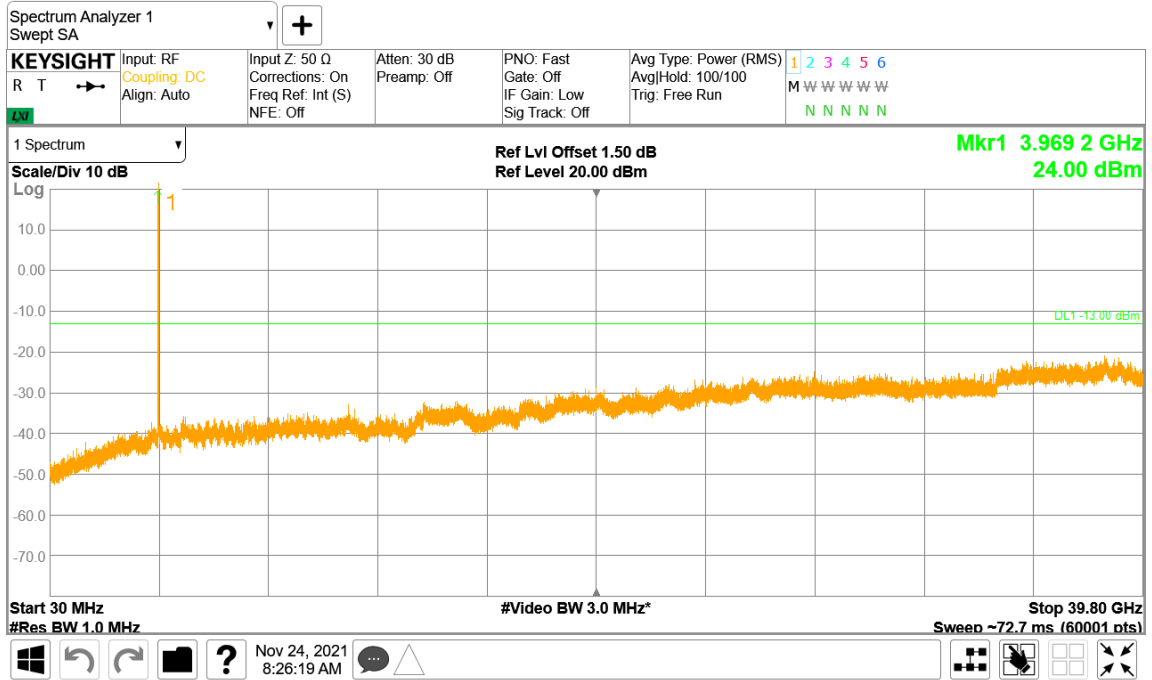
n77L

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



n77H

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



A.8 Peak-to-Average Power Ratio

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

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

Measurement results

LTE Band 5+NR n2,20MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
1880	5.60	6.24	7.04	7.06	7.24	9.16	9.14	9.34	9.28

LTE Band 12+NR n25,20MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
1882.5	7.95	7.98	8.21	8.17	8.14	9.33	9.23	9.36	9.29

LTE Band 66+NR n41,100MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
2592.99	5.42	5.98	6.71	6.97	7.33	8.32	8.85	8.97	9.11

LTE Band 12+NR n66,40MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
1745	7.37	8.24	8.62	8.81	8.78	9.36	9.58	9.26	9.23

n70,15MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
1702.5	4.34	5.50	6.00	6.44	6.46	8.12	8.24	8.36	8.28

LTE Band 66+NR n71,20MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
680.5	5.23	6.39	7.00	7.35	7.39	9.04	9.01	9.09	9.45

n77L,90MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
3500.01	4.72	5.72	6.44	6.65	6.65	8.29	8.20	8.36	8.37

n77H,100MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
3840	3.69	4.86	6.31	6.61	6.67	8.25	8.26	8.32	8.35

Annex B: Accreditation Certificate

<p>United States Department of Commerce National Institute of Standards and Technology</p> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="font-size: 2em; font-weight: bold; letter-spacing: 0.5em;">NVLAP[®]</div><div style="text-align: center;"> ilac-MRA</div></div> <hr/> <p style="font-size: 1.2em; font-weight: bold;">Certificate of Accreditation to ISO/IEC 17025:2017</p> <hr/>	
<p>NVLAP LAB CODE: 600118-0</p>	
<p>Telecommunication Technology Labs, CAICT Beijing China</p>	
<p><i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i></p>	
<p>Electromagnetic Compatibility & Telecommunications</p>	
<p><i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).</i></p>	
<hr/> <p>2021-09-29 through 2022-09-30 <i>Effective Dates</i></p>	<div style="display: flex; align-items: center; justify-content: center;"><div style="text-align: center;"> DEPARTMENT OF COMMERCE UNITED STATES OF AMERICA</div><div style="margin-left: 20px;"> _____ <i>For the National Voluntary Laboratory Accreditation Program</i></div></div>

END OF REPORT