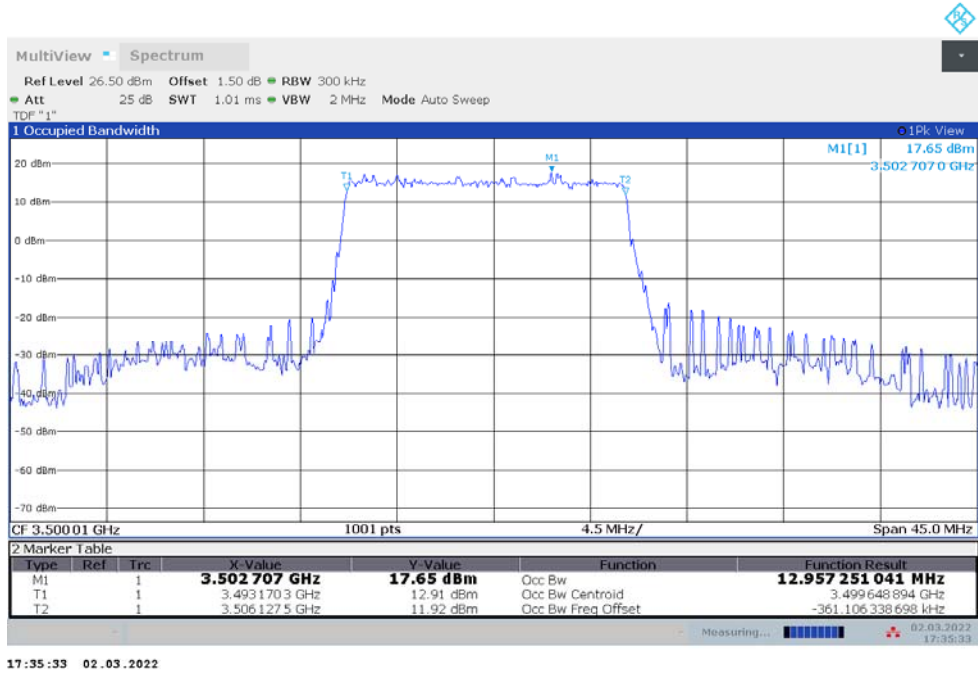
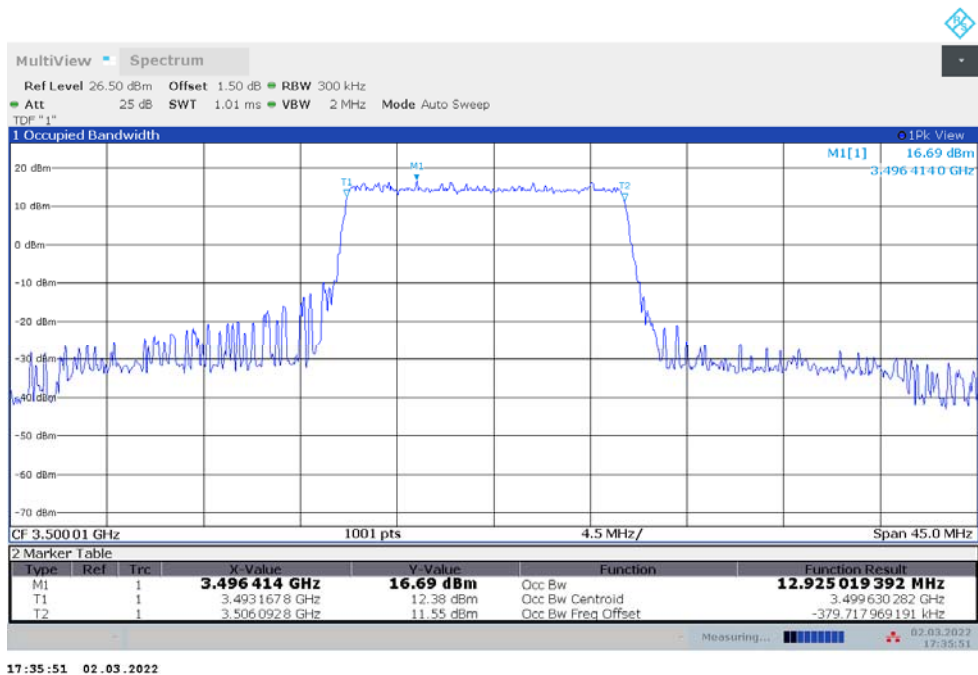


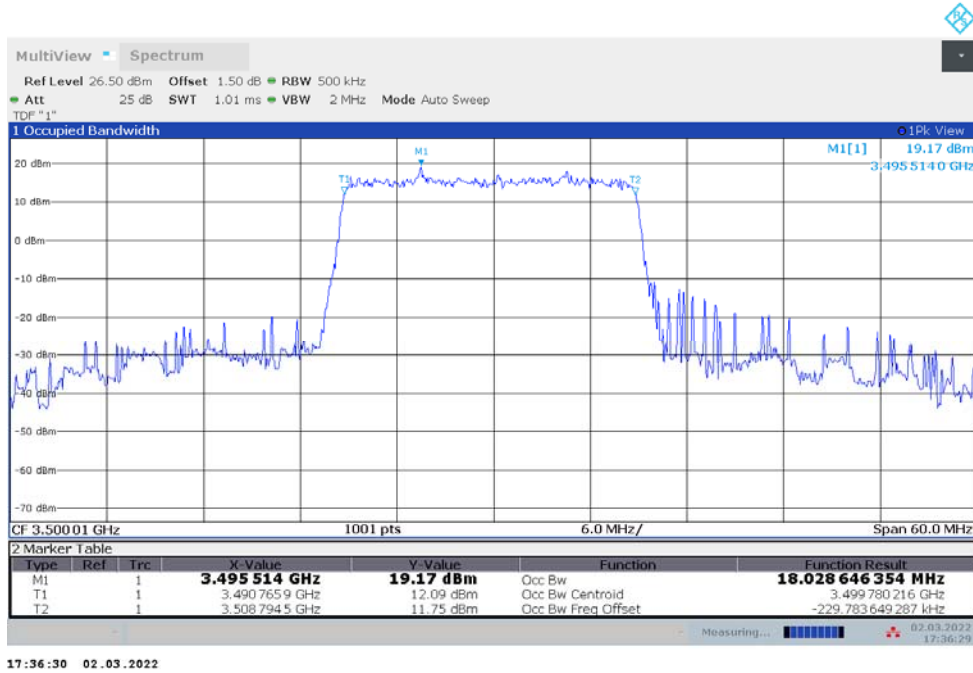
**n78L,15MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	12.957	12.925

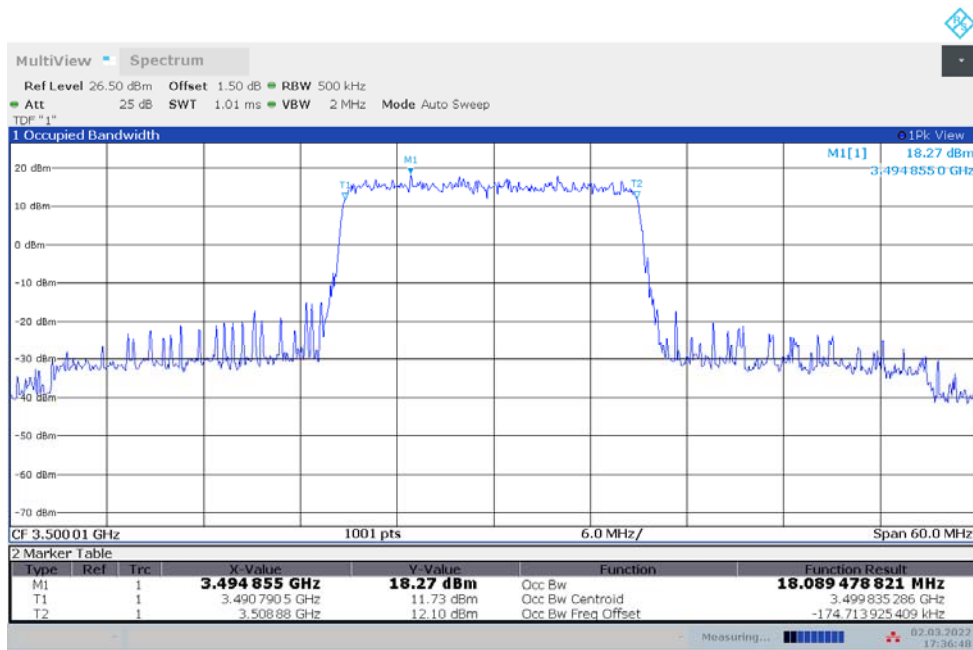
**n78L,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78L,15MHz Bandwidth,DFT-s-QPSK (99% BW)**


**n78L,20MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	18.029	18.089

**n78L,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**


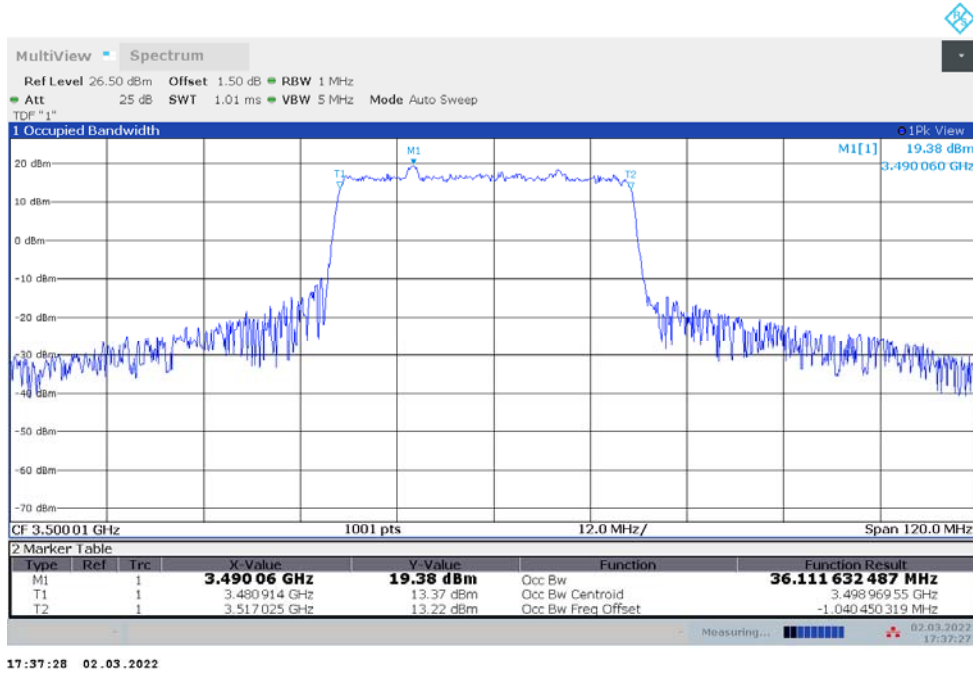
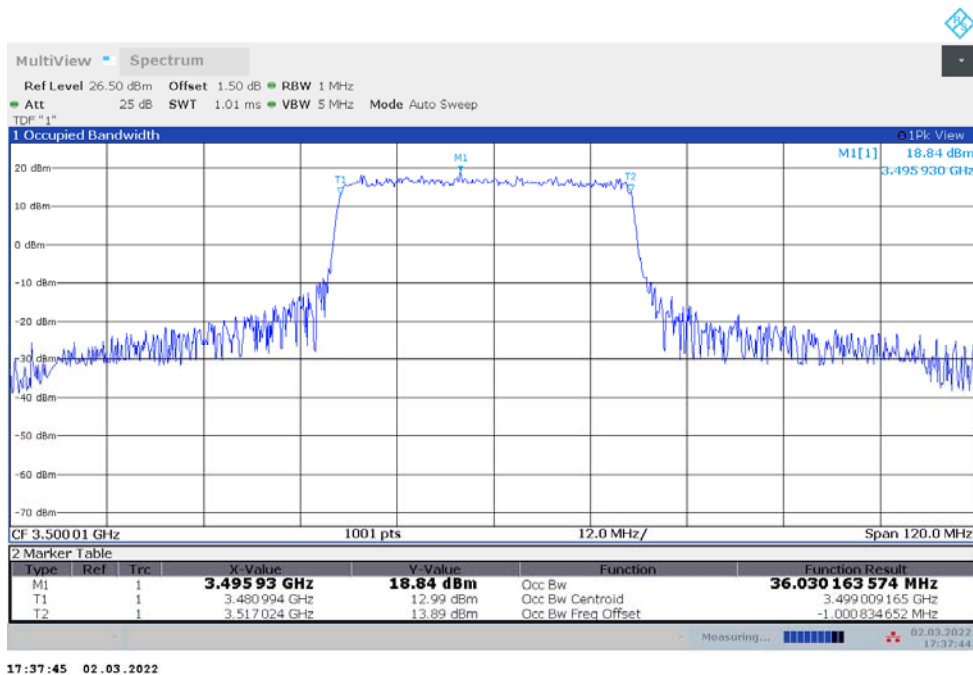
17:36:30 02.03.2022

**n78L,20MHz Bandwidth,DFT-s-QPSK (99% BW)**


17:36:48 02.03.2022

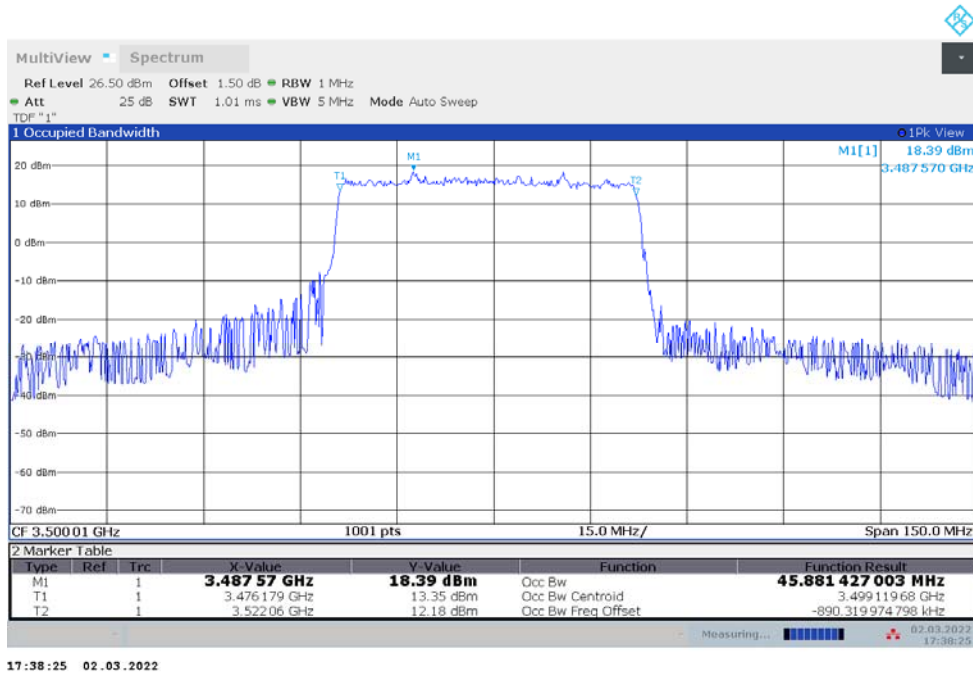
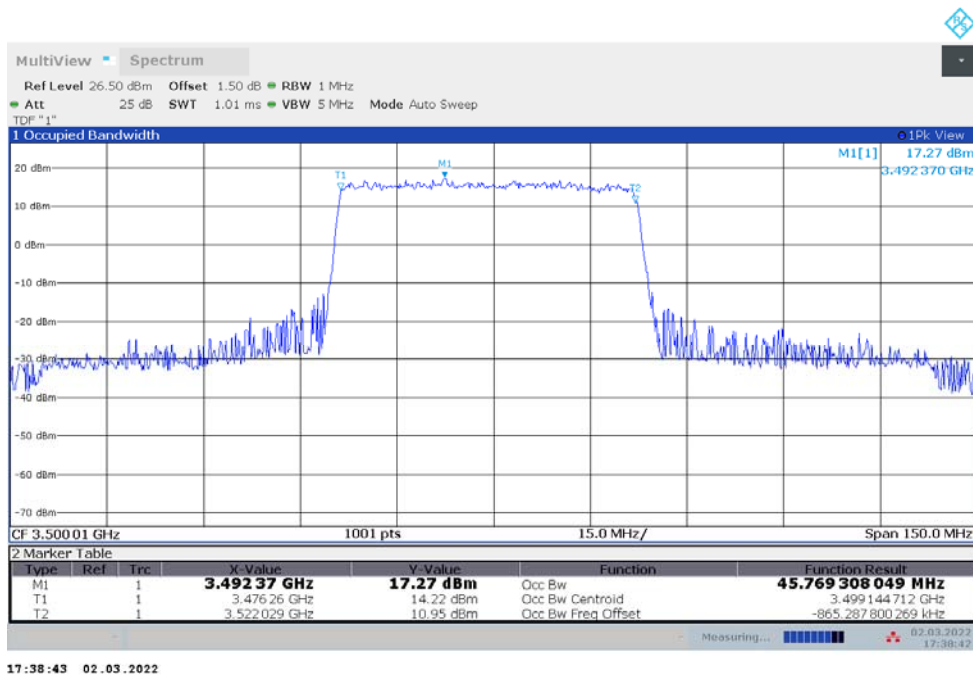
**n78L,40MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	36.112	36.030

**n78L,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78L,40MHz Bandwidth,DFT-s-QPSK (99% BW)**


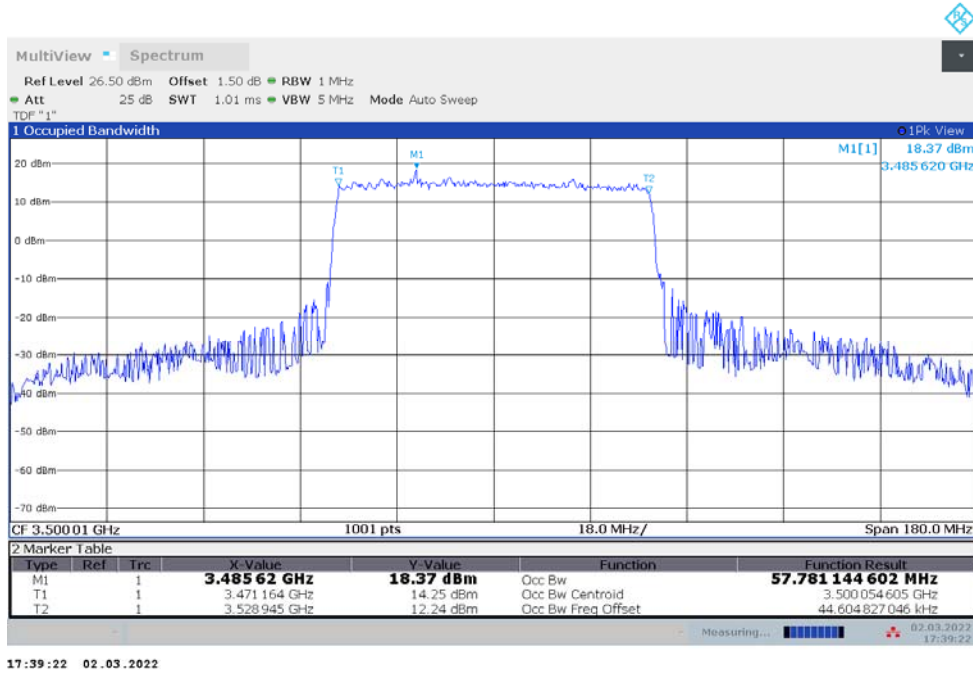
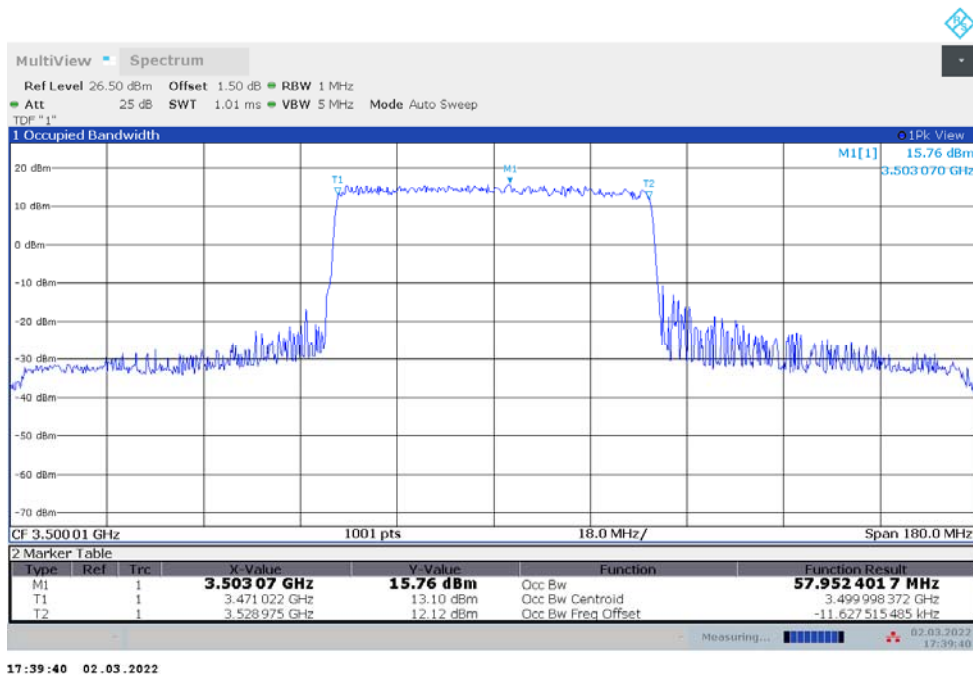
**n78L,50MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	45.881	45.769

**n78L,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78L,50MHz Bandwidth,DFT-s-QPSK (99% BW)**


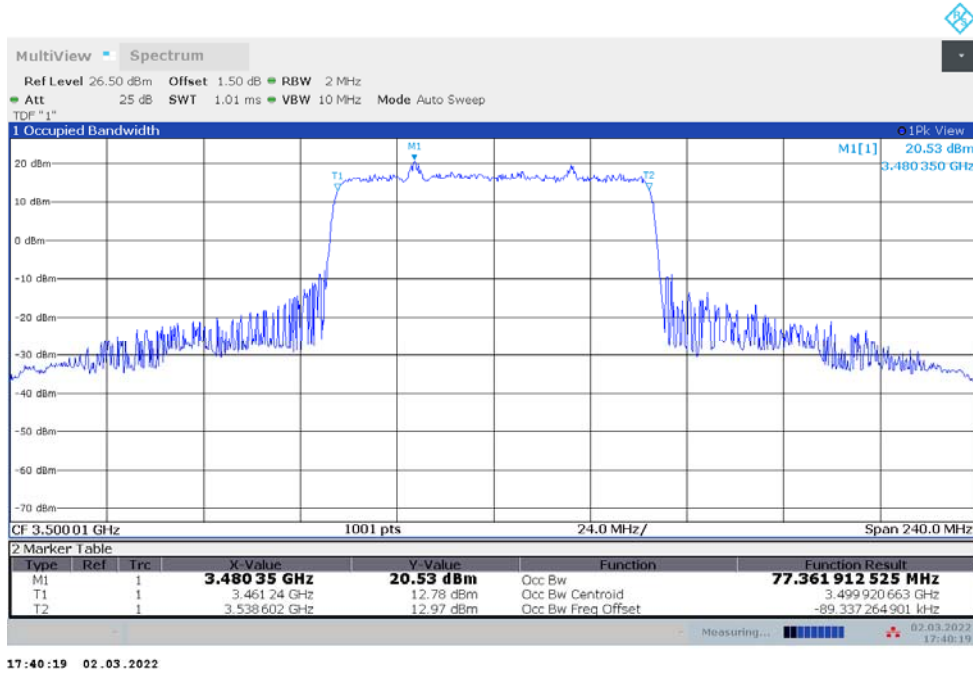
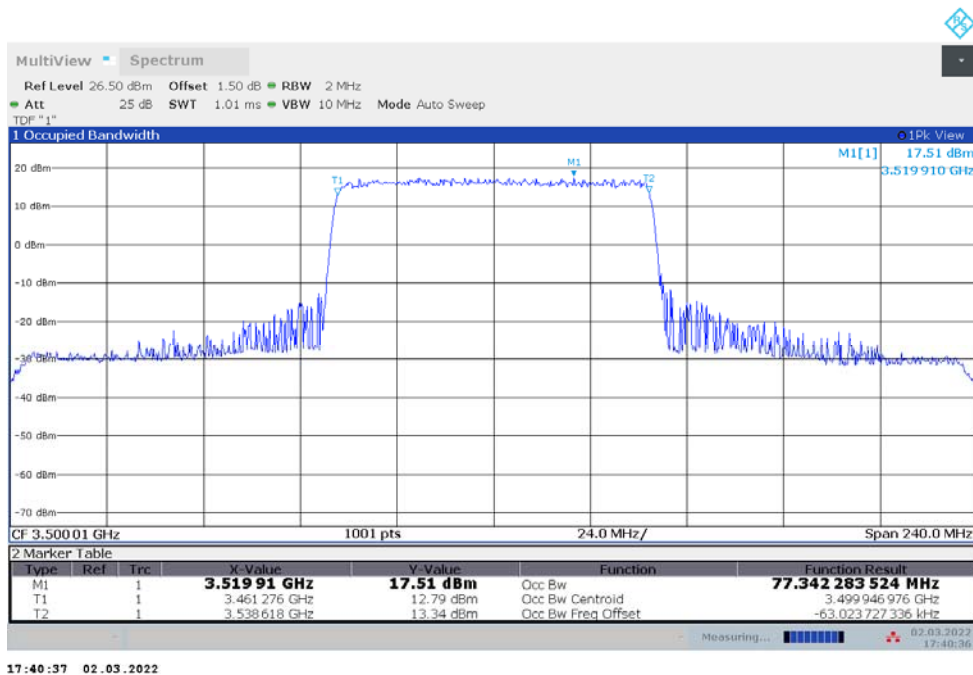
**n78L,60MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	57.781	57.952

**n78L,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78L,60MHz Bandwidth,DFT-s-QPSK (99% BW)**


**n78L,80MHz(99%)**

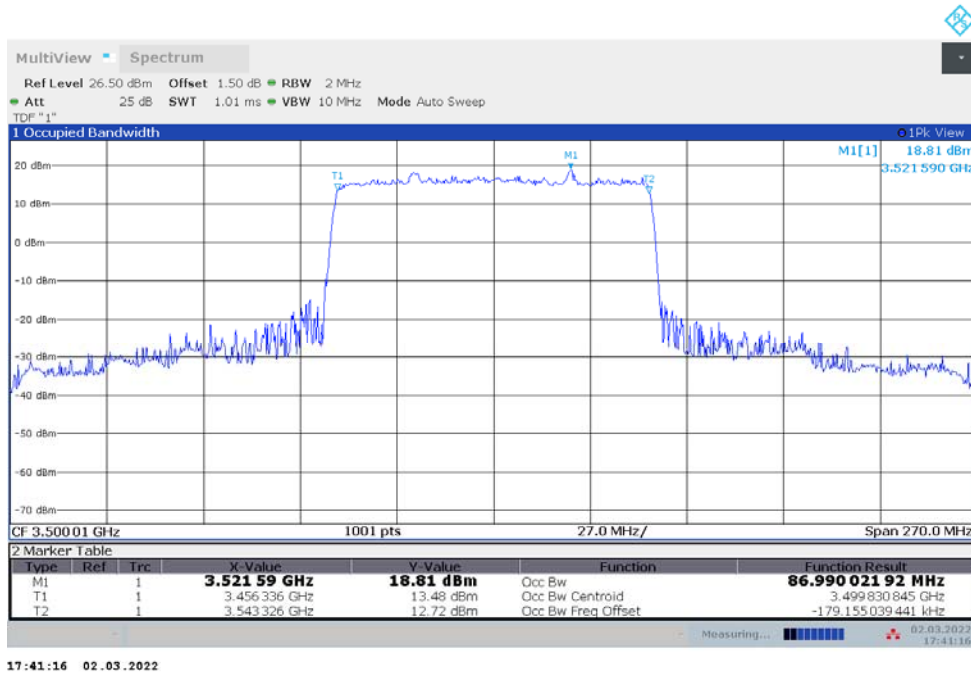
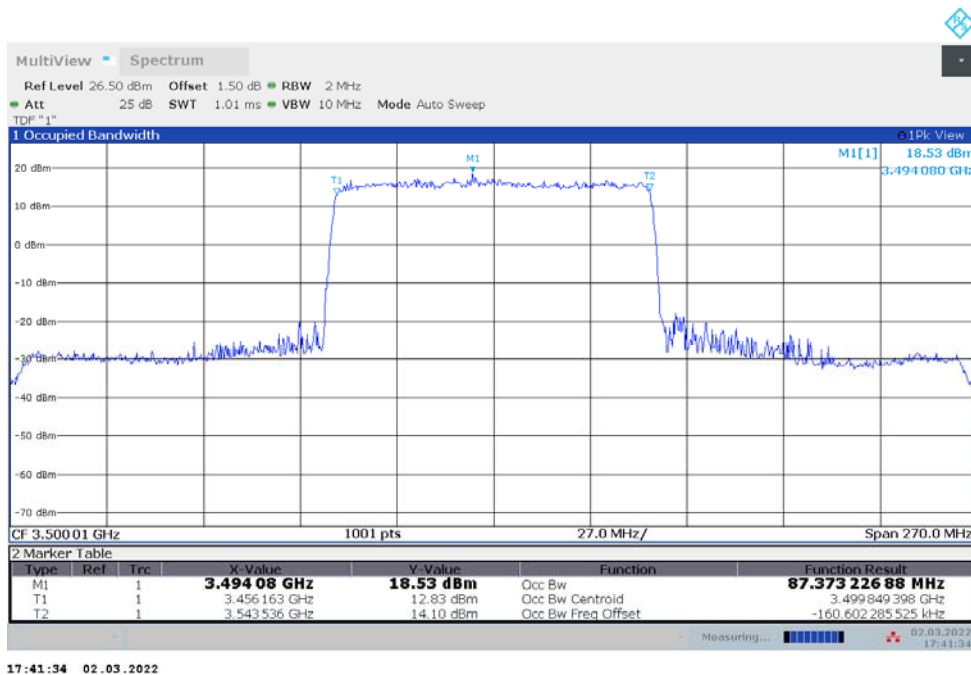
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	77.362	77.342

**n78L,80MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78L,80MHz Bandwidth,DFT-s-QPSK (99% BW)**




**n78L,90MHz(99%)**

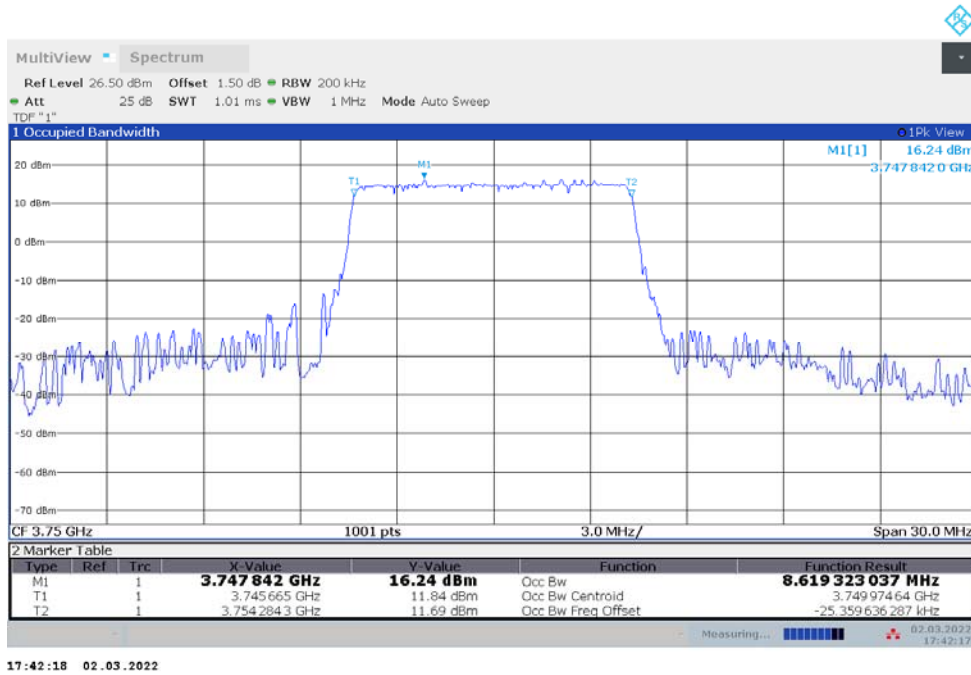
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	86.990	87.373

**n78L,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78L,90MHz Bandwidth,DFT-s-QPSK (99% BW)**


n78H  
n78H,10MHz(99%)

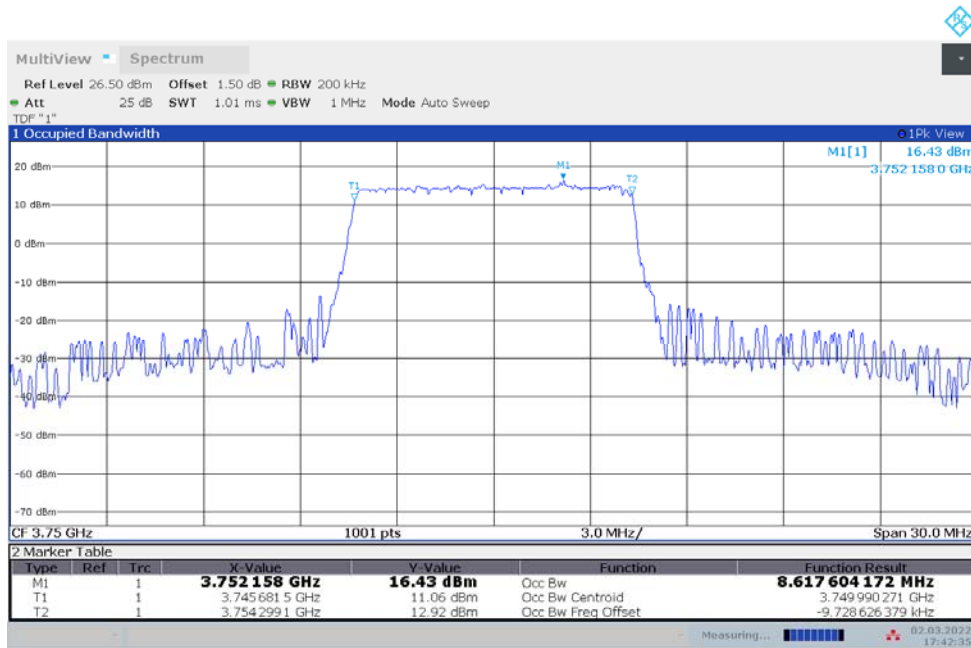
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3750	8.619	8.618

n78H,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



17:42:18 02.03.2022

n78H,10MHz Bandwidth,DFT-s-QPSK (99% BW)

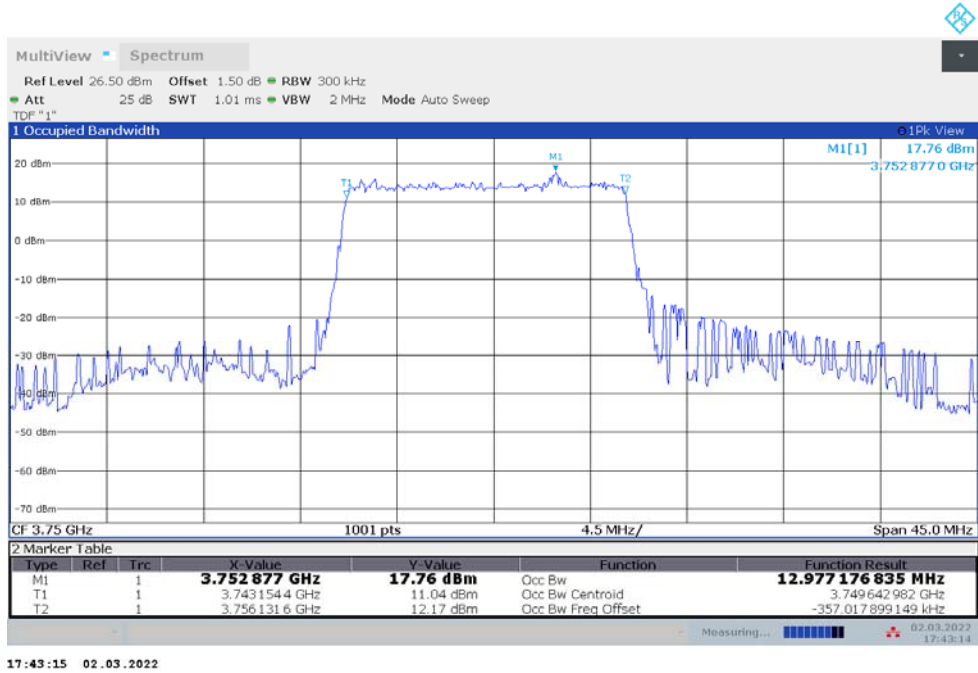
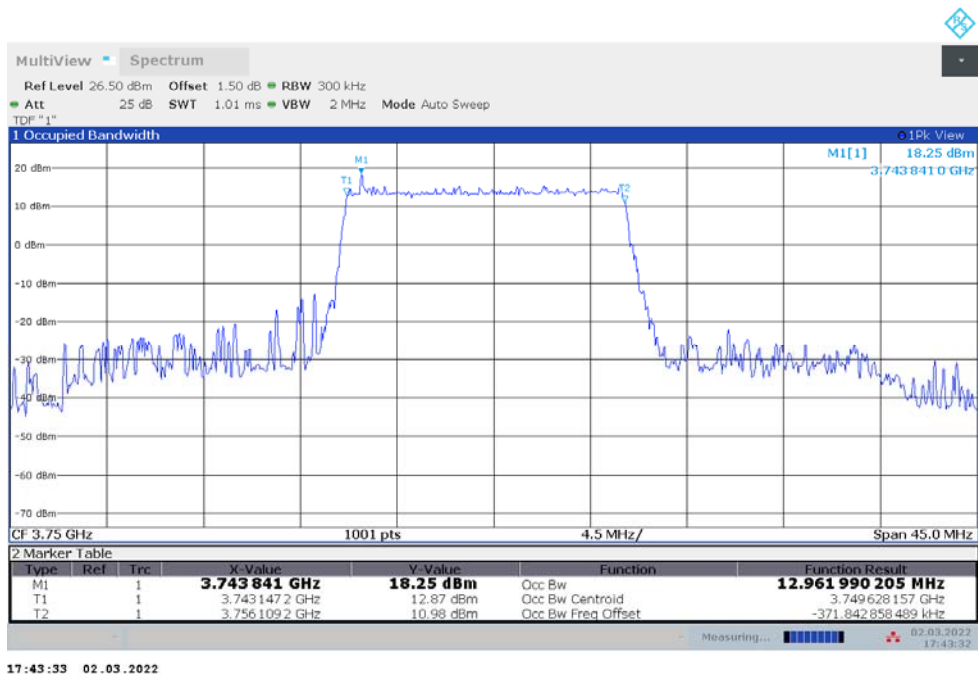


17:42:35 02.03.2022



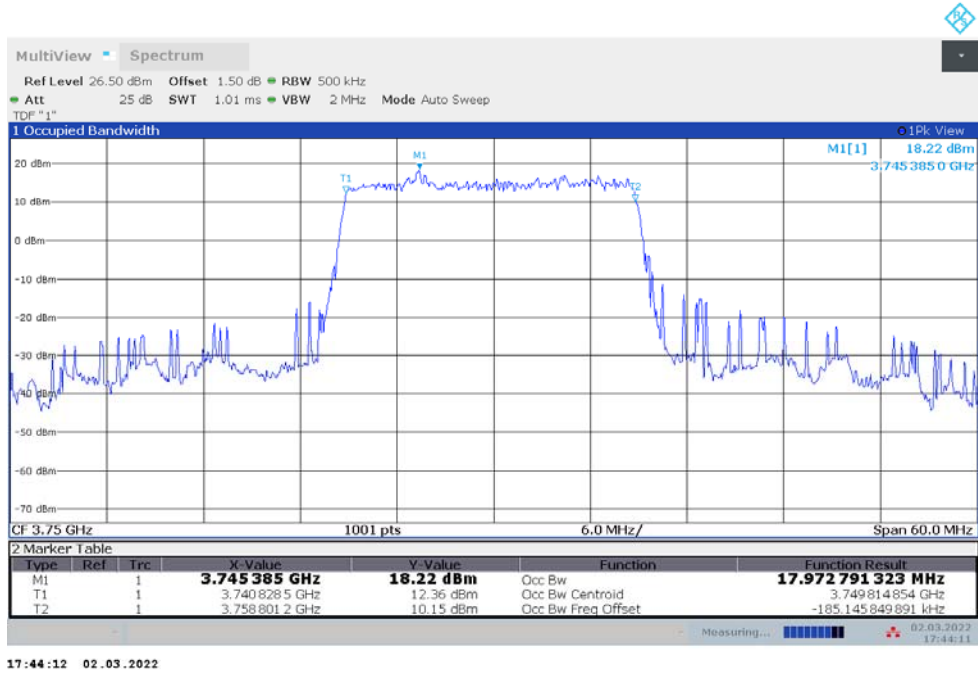
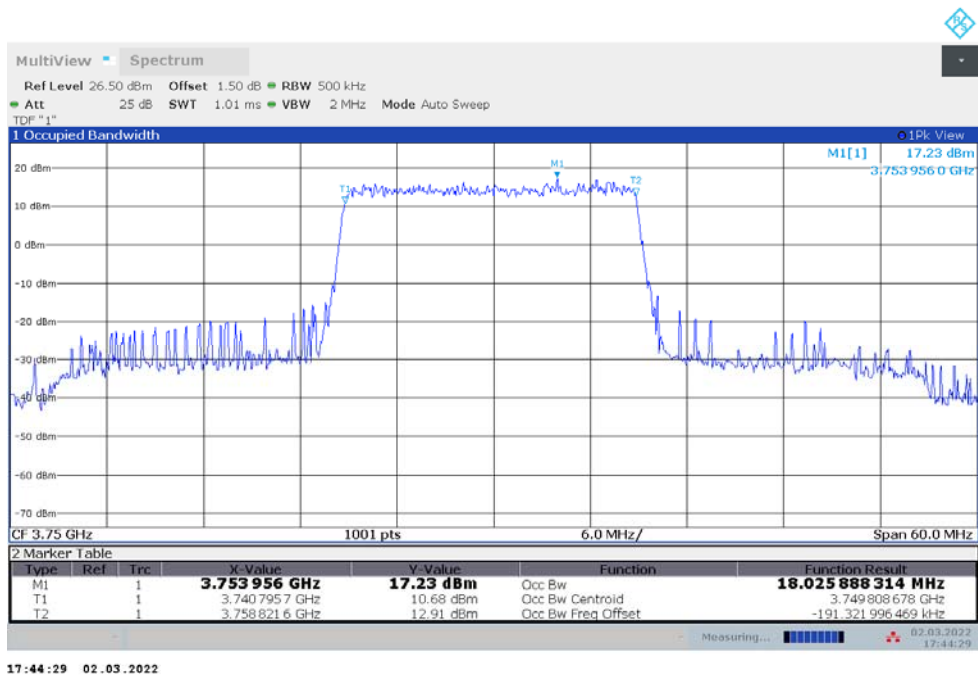
**n78H,15MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3750	12.977	12.962

**n78H,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78H,15MHz Bandwidth,DFT-s-QPSK (99% BW)**


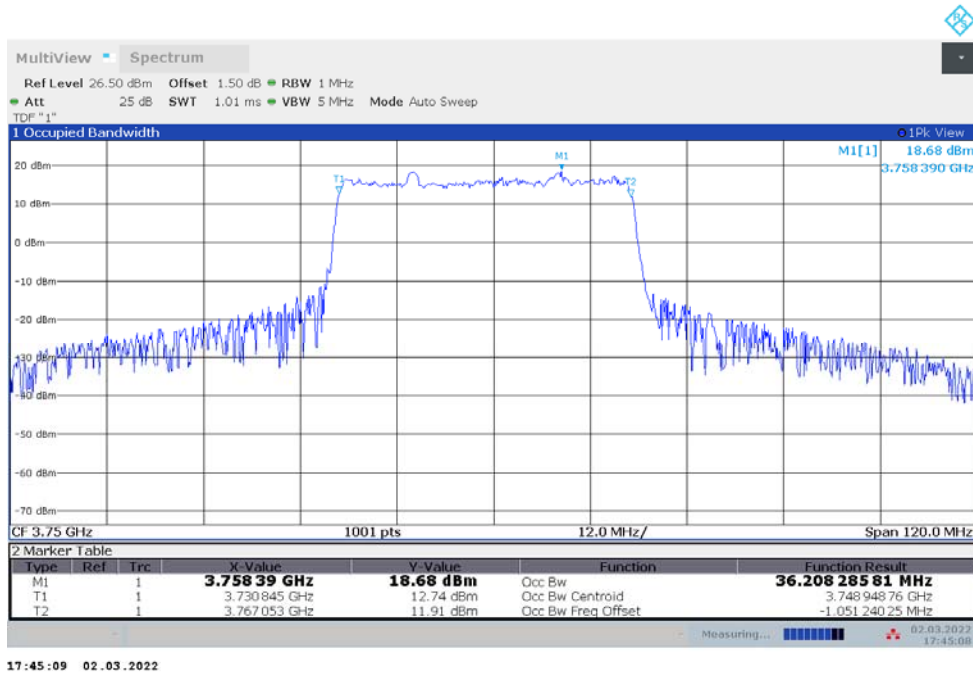
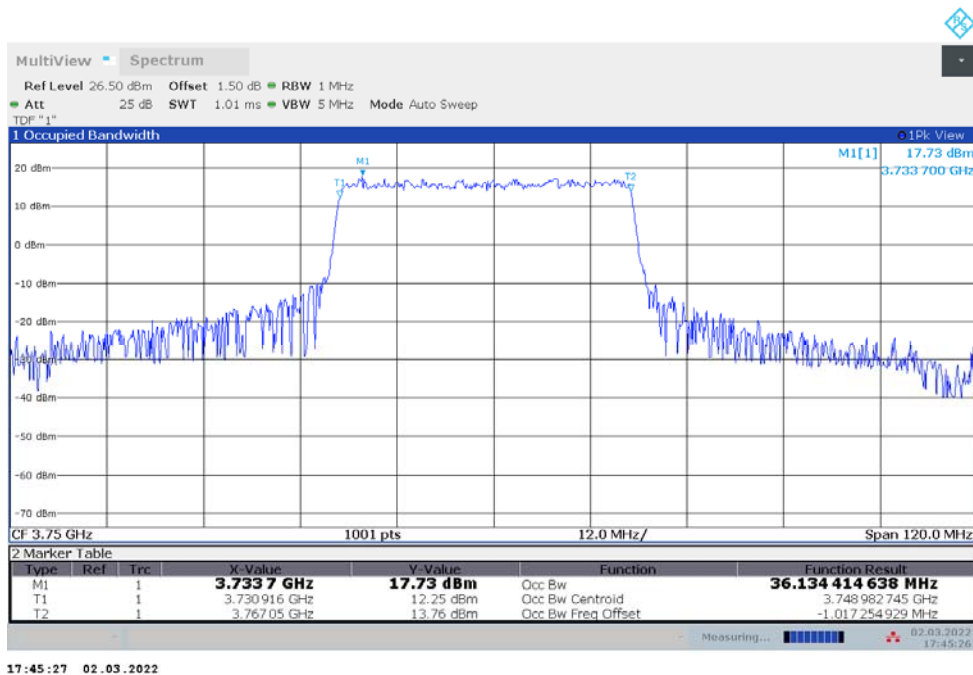
**n78H,20MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3750	17.973	18.026

**n78H,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78H,20MHz Bandwidth,DFT-s-QPSK (99% BW)**


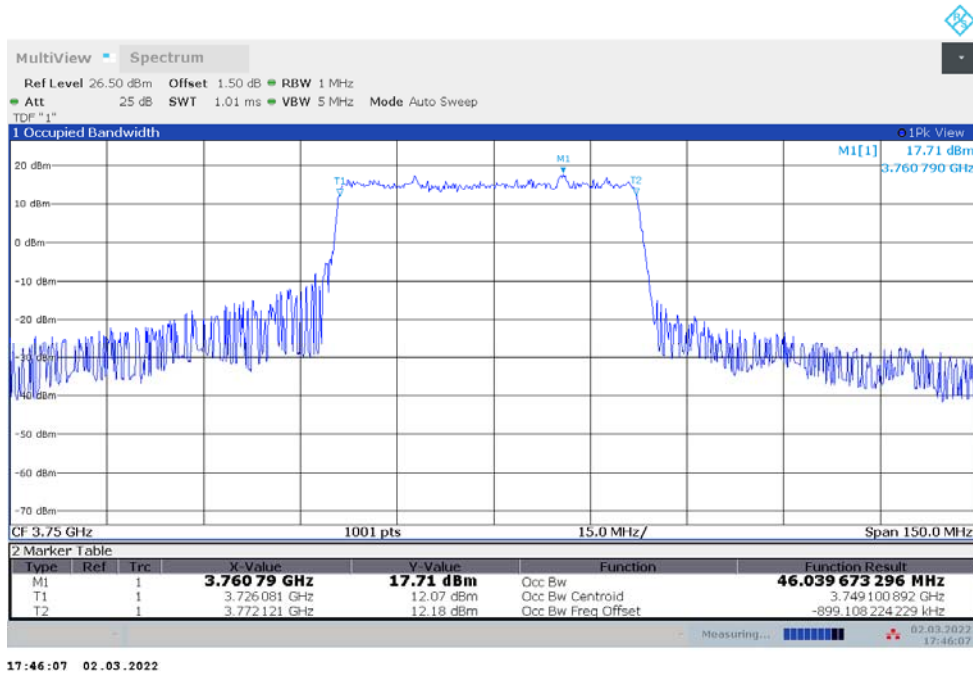
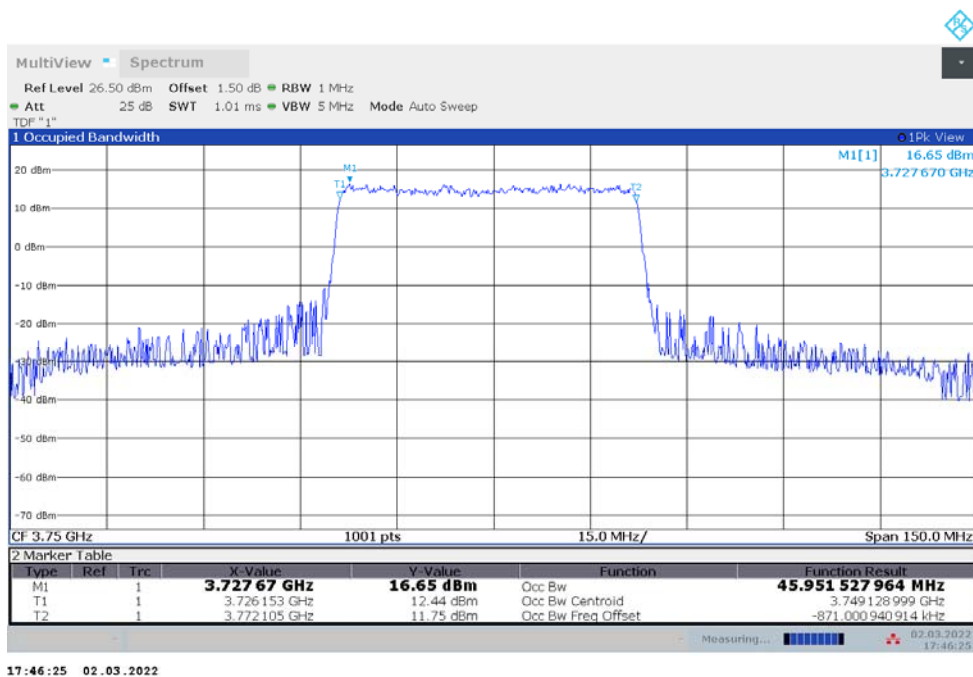
**n78H,40MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3750	36.208	36.134

**n78H,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78H,40MHz Bandwidth,DFT-s-QPSK (99% BW)**


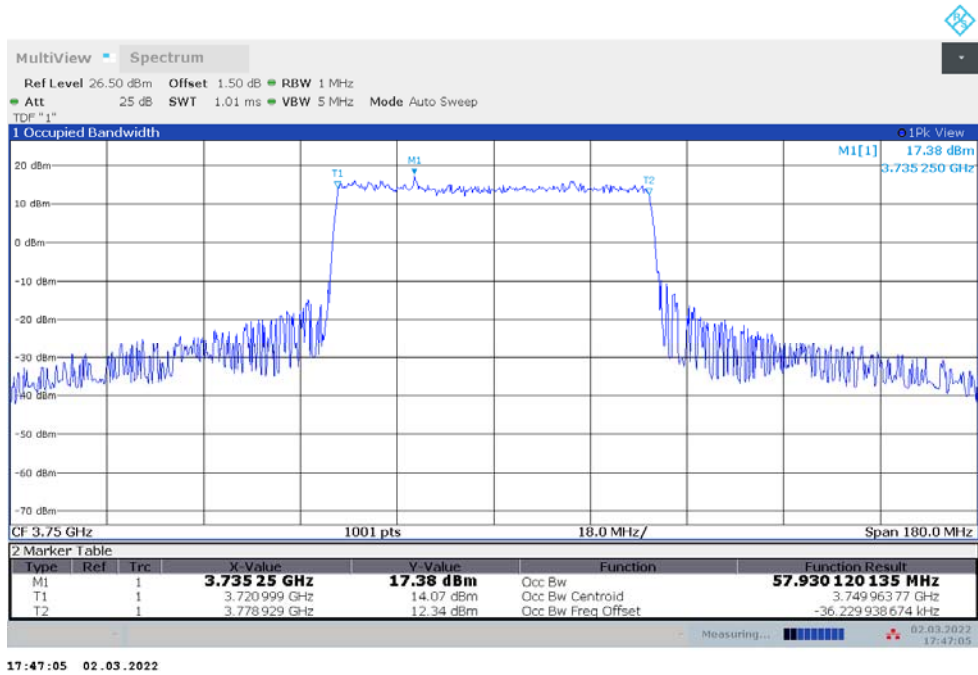
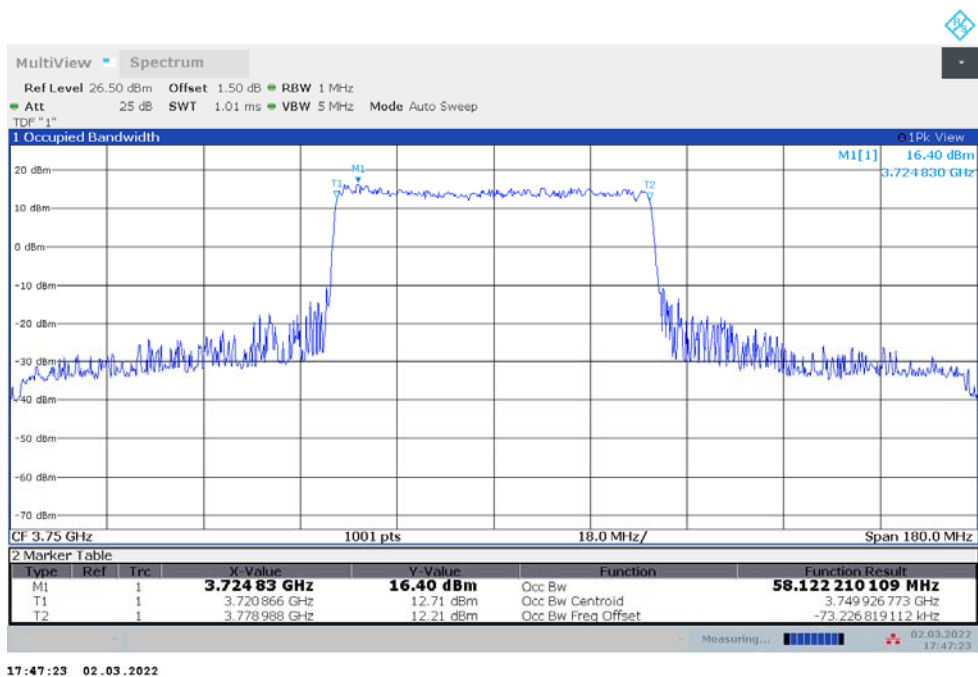
**n78H,50MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3750	46.040	45.952

**n78H,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78H,50MHz Bandwidth,DFT-s-QPSK (99% BW)**


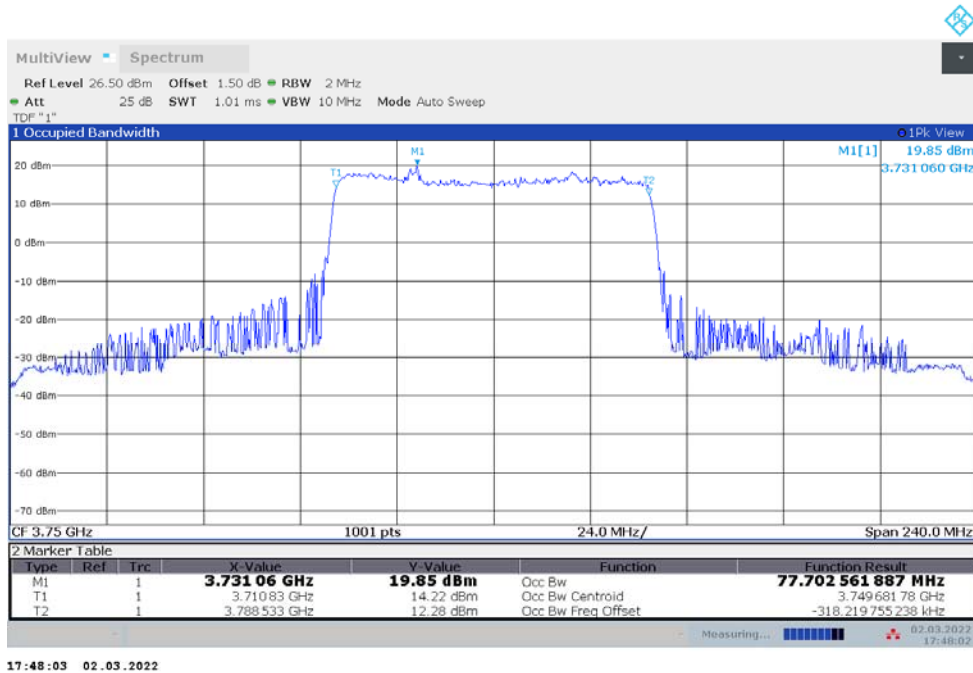
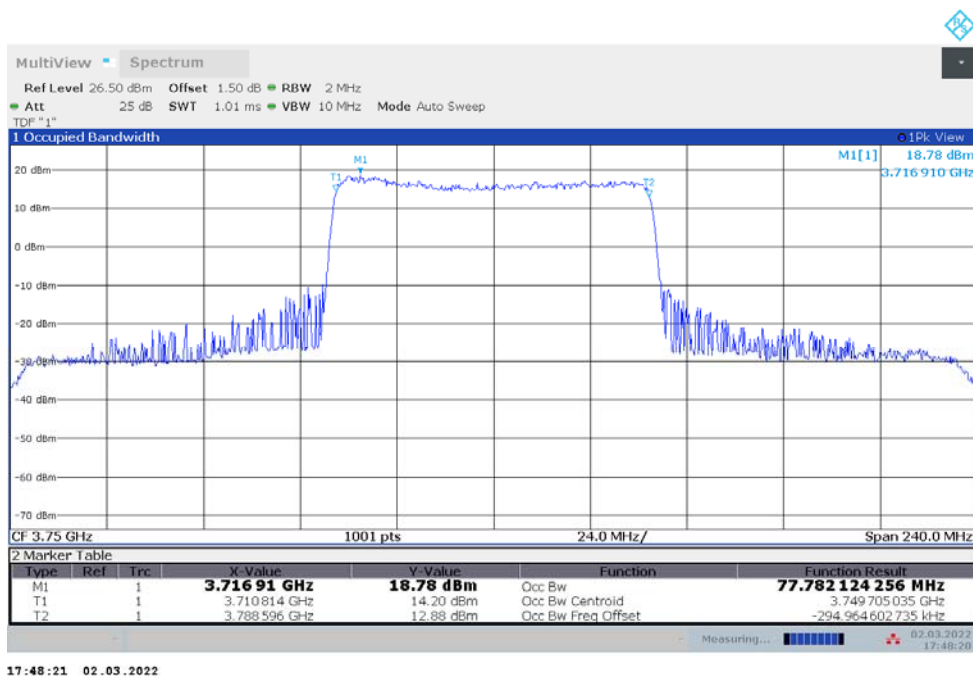
**n78H,60MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3750	57.930	58.122

**n78H,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78H,60MHz Bandwidth,DFT-s-QPSK (99% BW)**


**n78H,80MHz(99%)**

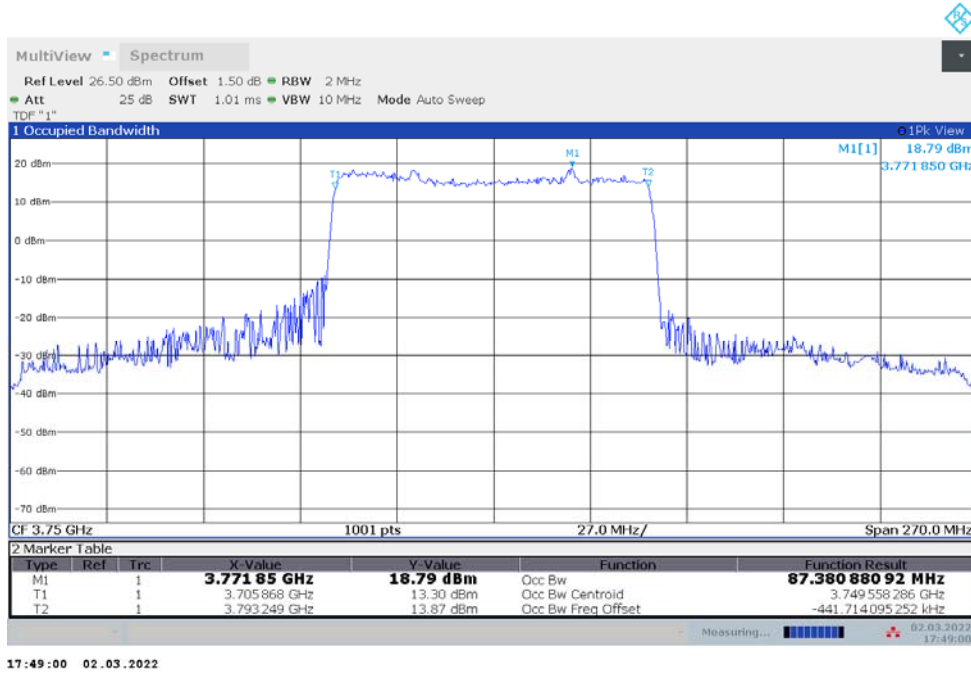
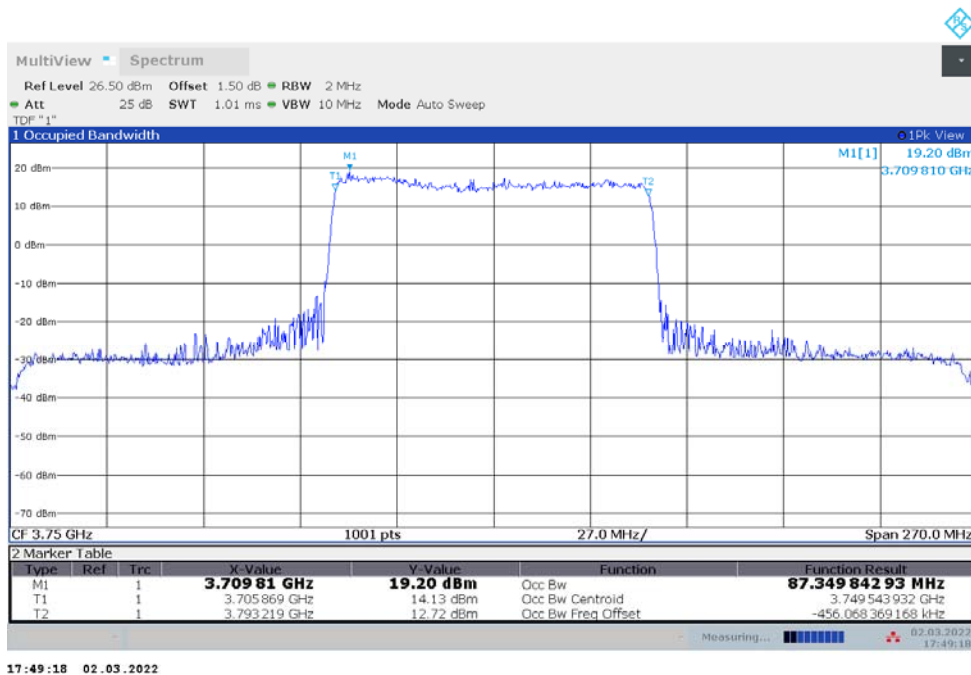
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3750	77.703	77.782

**n78H,80MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78H,80MHz Bandwidth,DFT-s-QPSK (99% BW)**




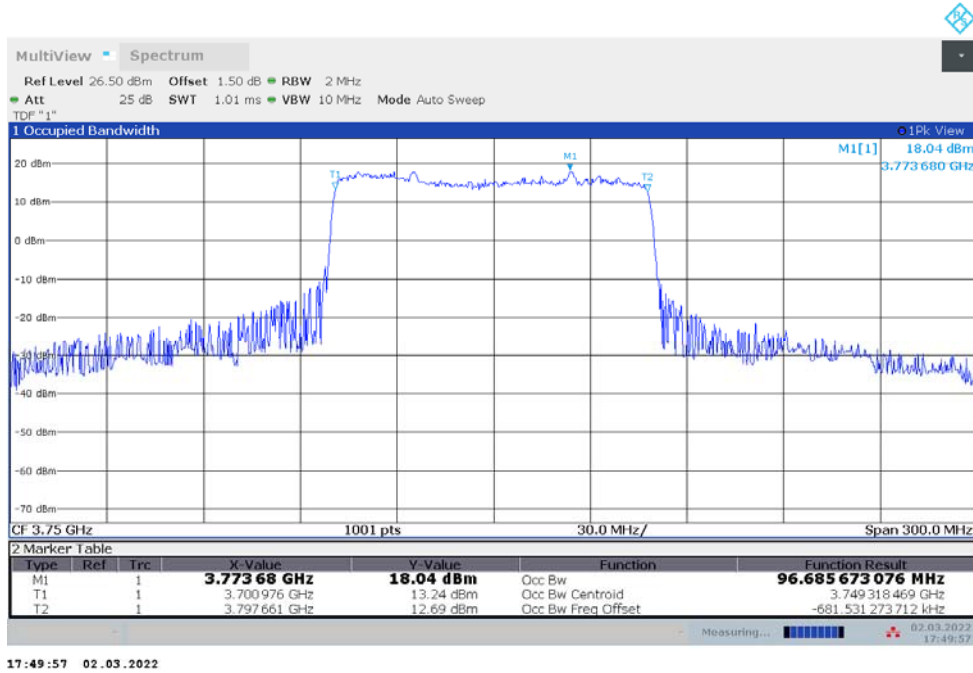
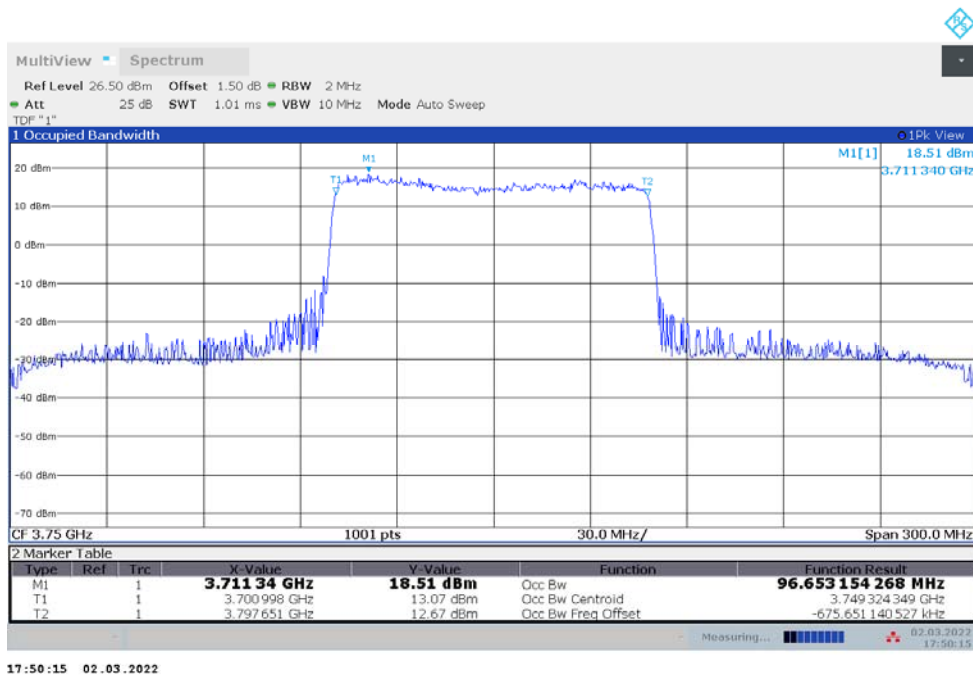
**n78H,90MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3750	87.381	87.350

**n78H,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78H,90MHz Bandwidth,DFT-s-QPSK (99% BW)**


**n78H,100MHz(99%)**

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3750	96.686	96.653

**n78H,100MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)**

**n78H,100MHz Bandwidth,DFT-s-QPSK (99% BW)**


## **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.

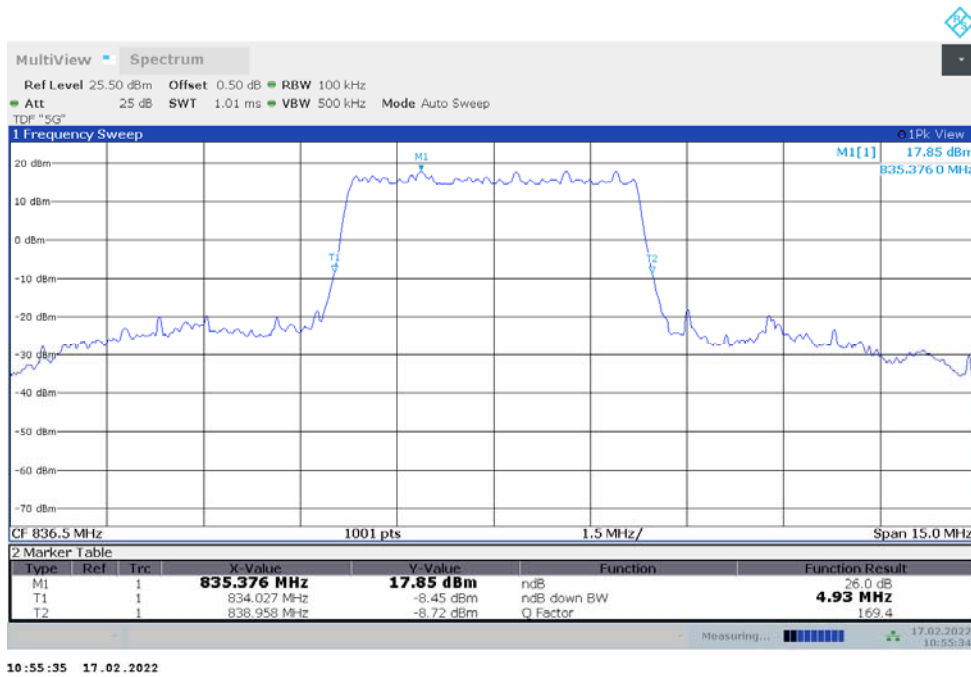
The measurement method is from ANSI C63.26:

- 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.

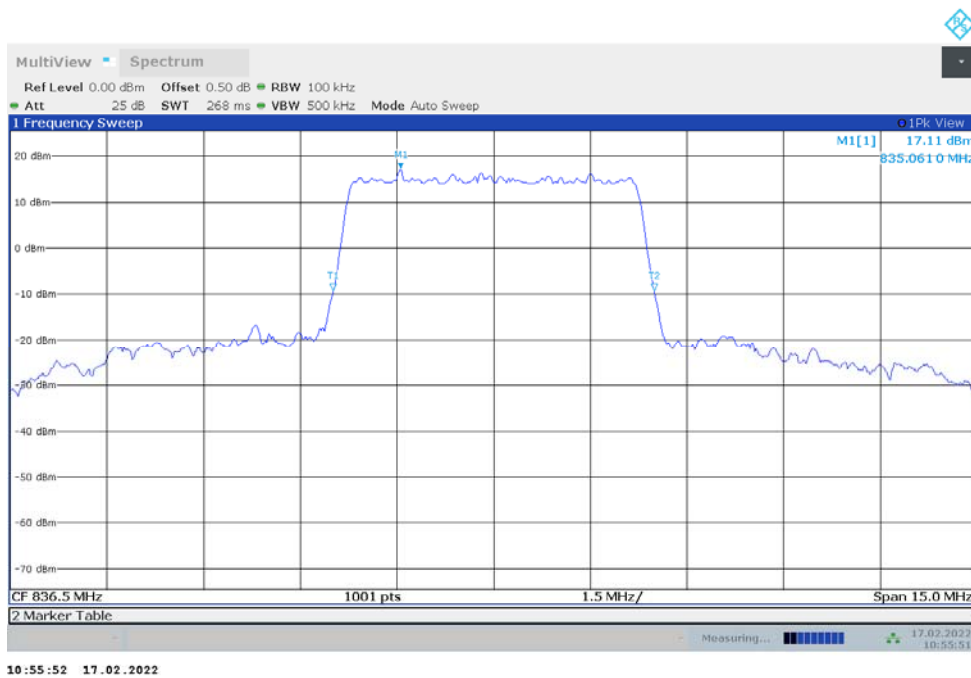
**n5**  
**n5,5MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	4.930	4.975

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



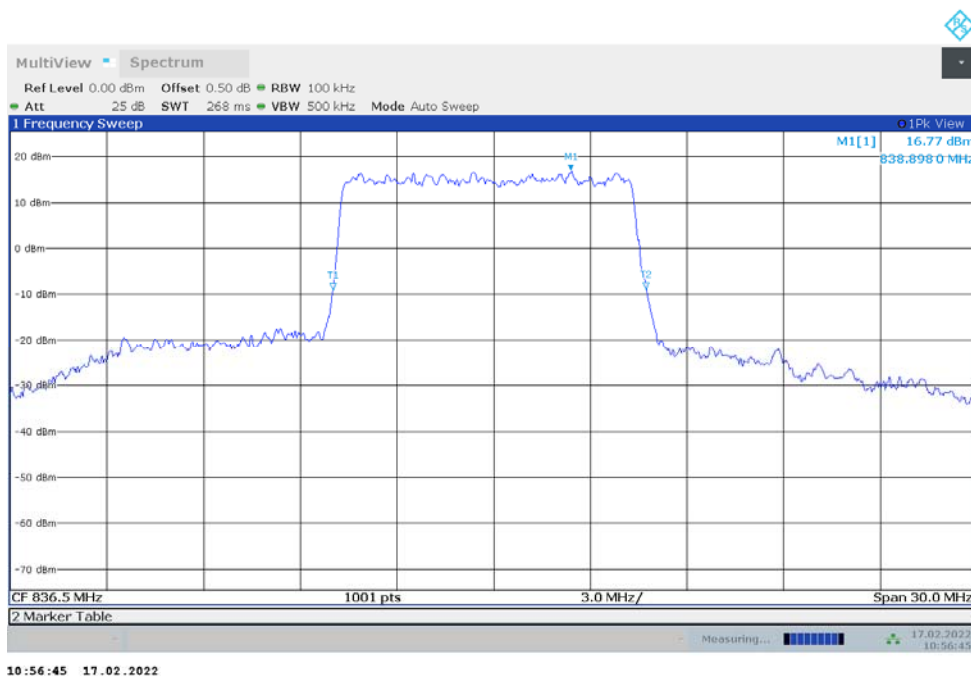
**n5,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



**n5,10MHz(-26dBc)**

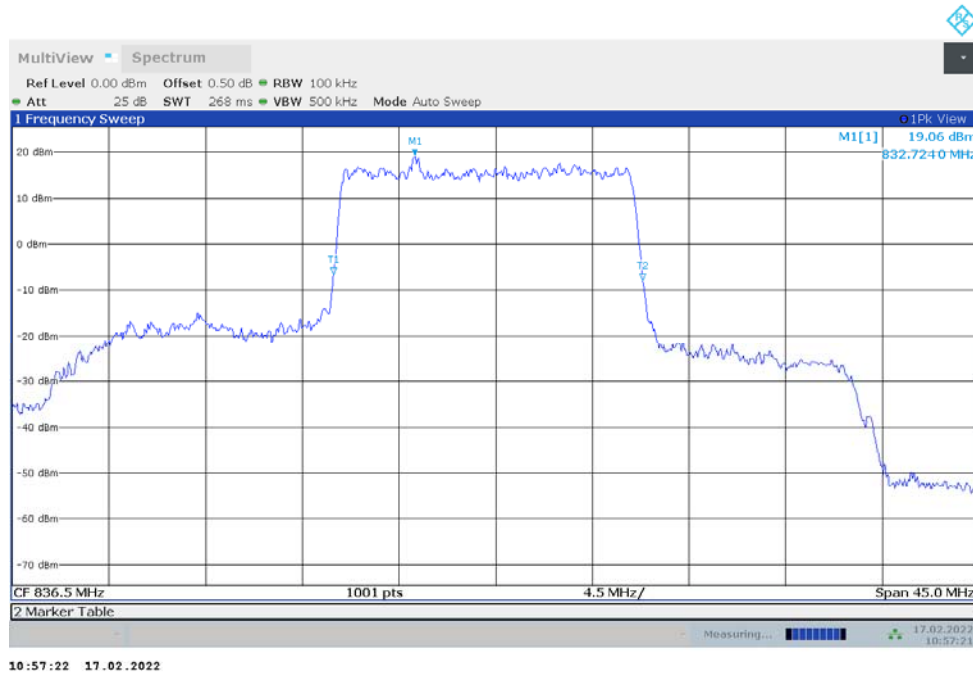
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	9.830	9.710

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

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


**n5,15MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	14.386	14.431

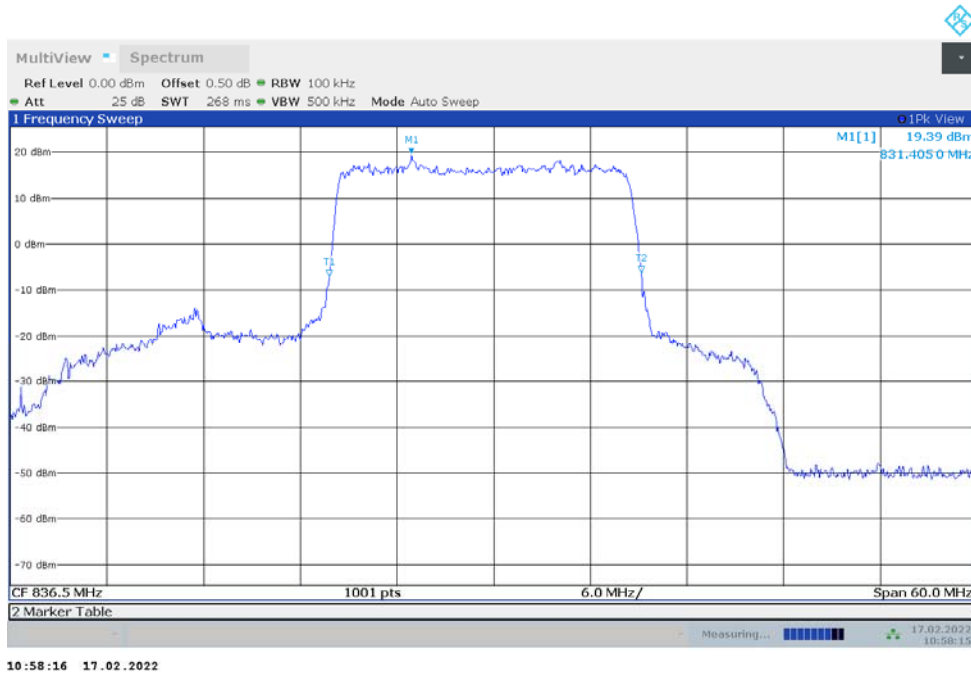
**n5,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**

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




### n5,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	19.361	19.241

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



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



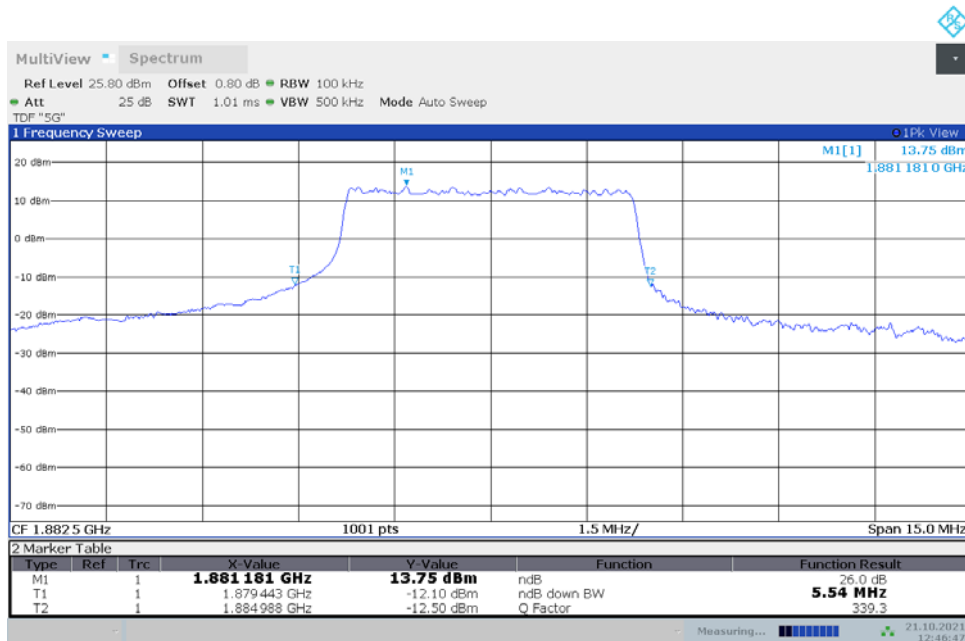
**LTE Band 12+NR n25**  
**n25,5MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1882.5	5.020	5.544

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



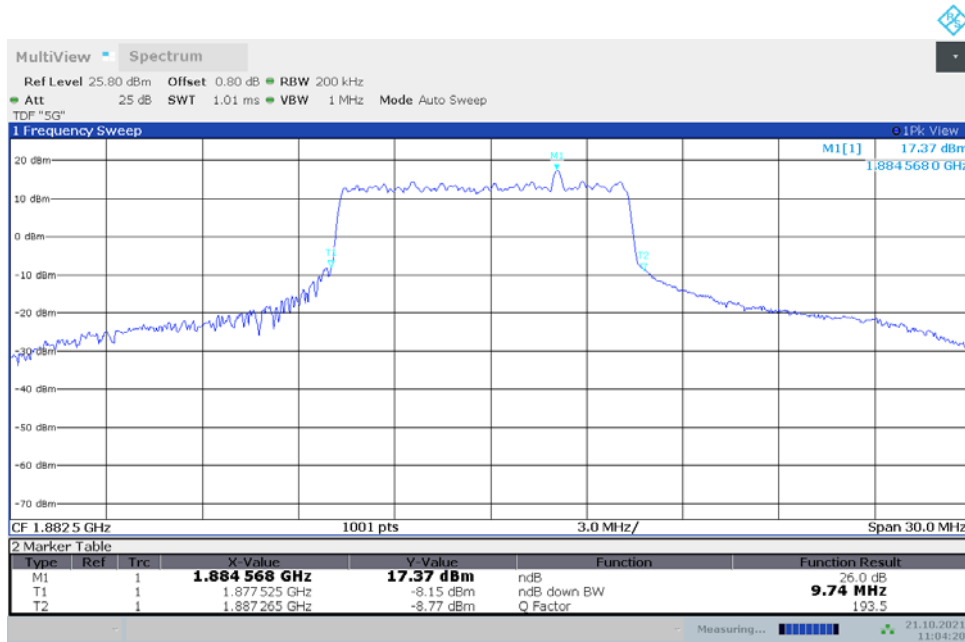
**n25,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**



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

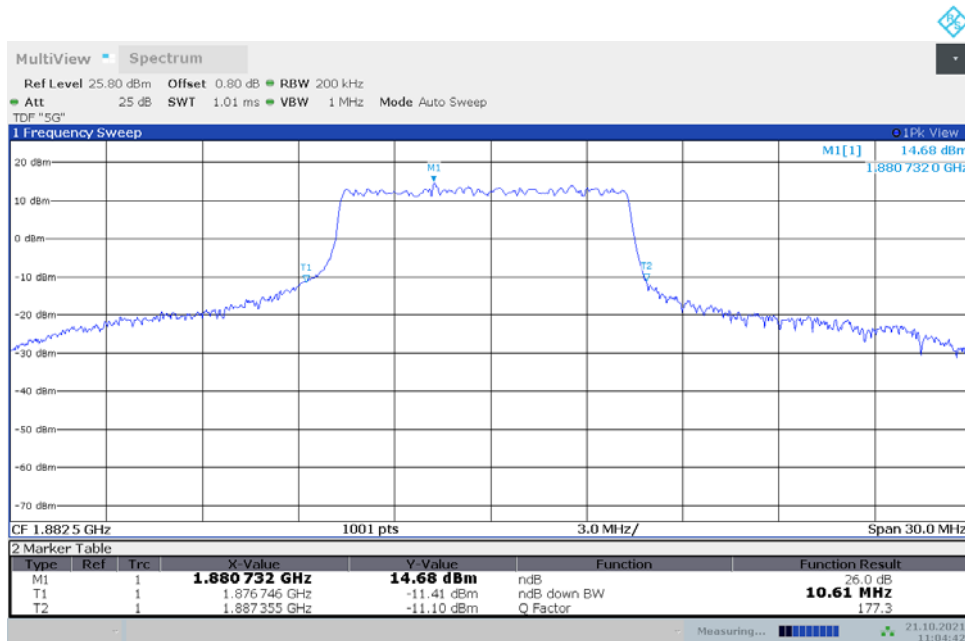
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1882.5	9.740	10.609

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



Date: 21.OCT.2021 11:04:20

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

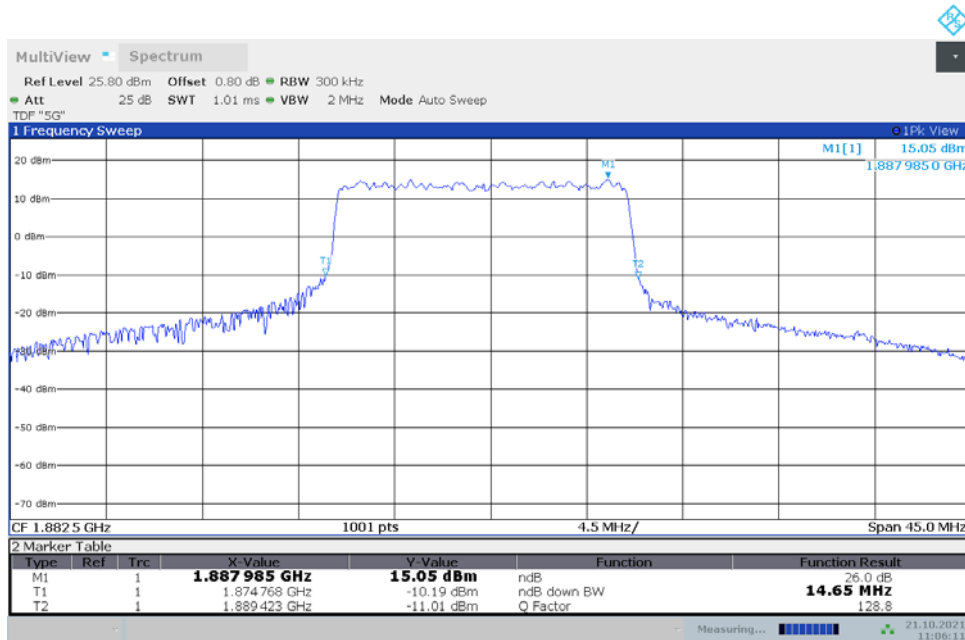


Date: 21.OCT.2021 11:04:42

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

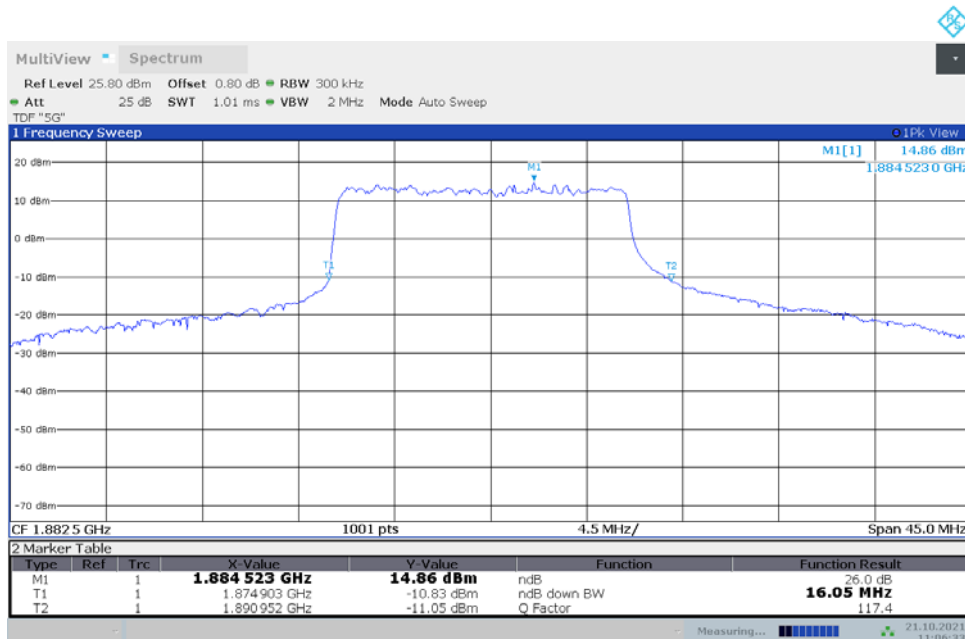
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1882.5	14.655	16.049

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



Date: 21.OCT.2021 11:06:11

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

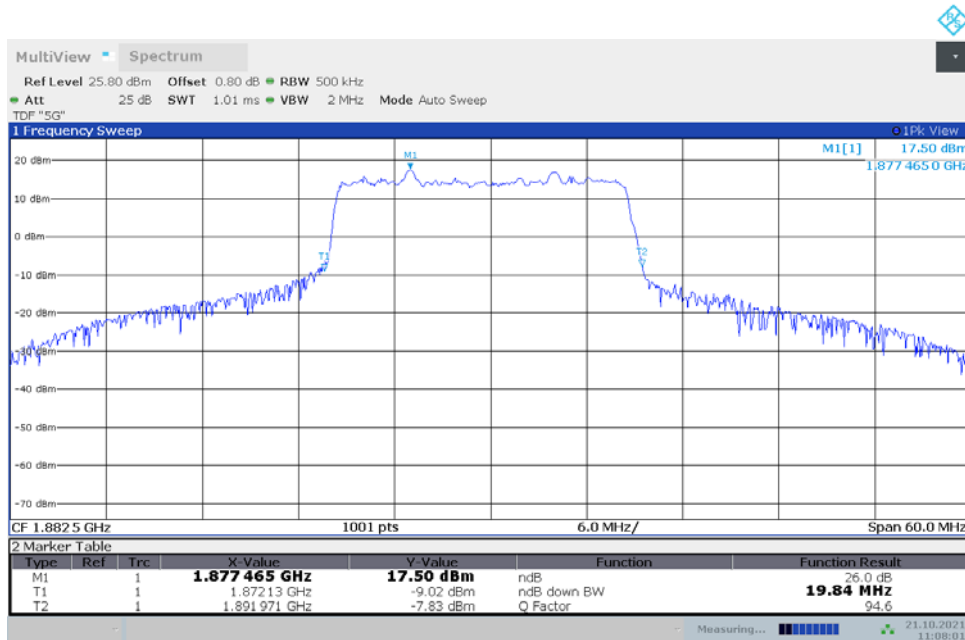


Date: 21.OCT.2021 11:06:34

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

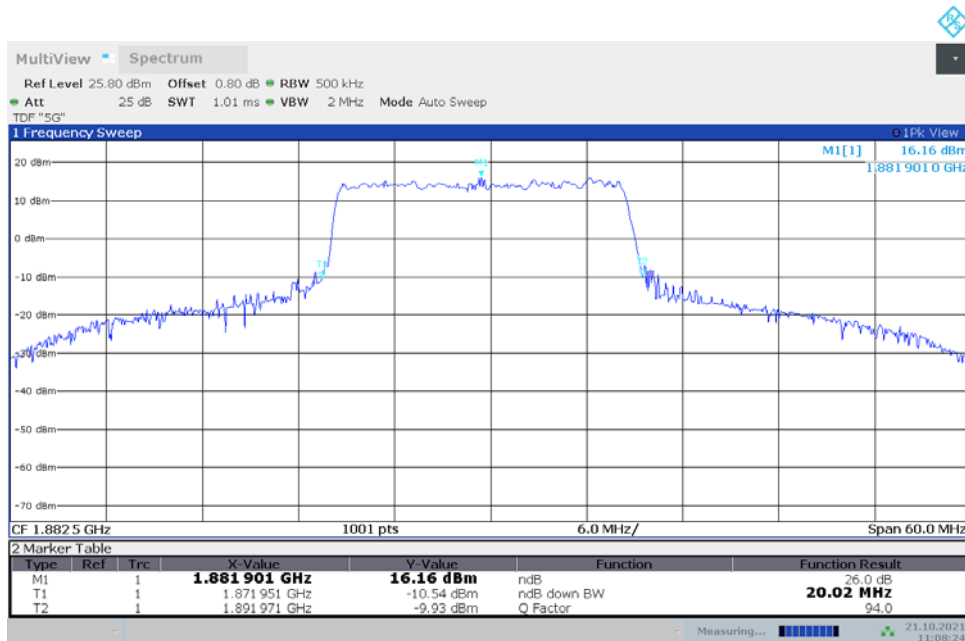
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1882.5	19.840	20.020

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



Date: 21.OCT.2021 11:08:01

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



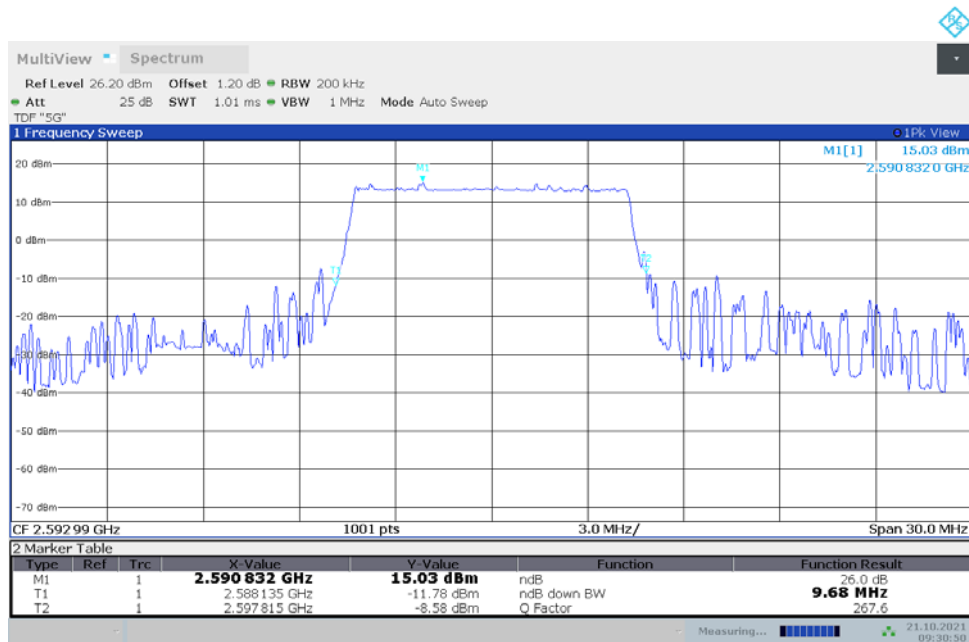
Date: 21.OCT.2021 11:08:24

n41

n41,10MHz(-26dBc)

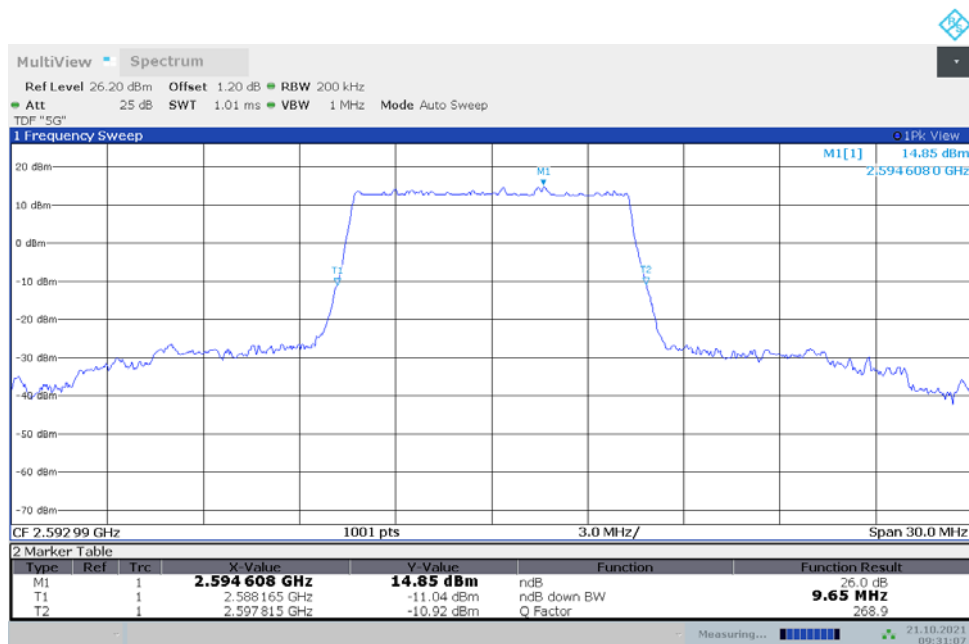
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	9.680	9.650

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



Date: 21.OCT.2021 09:30:50

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

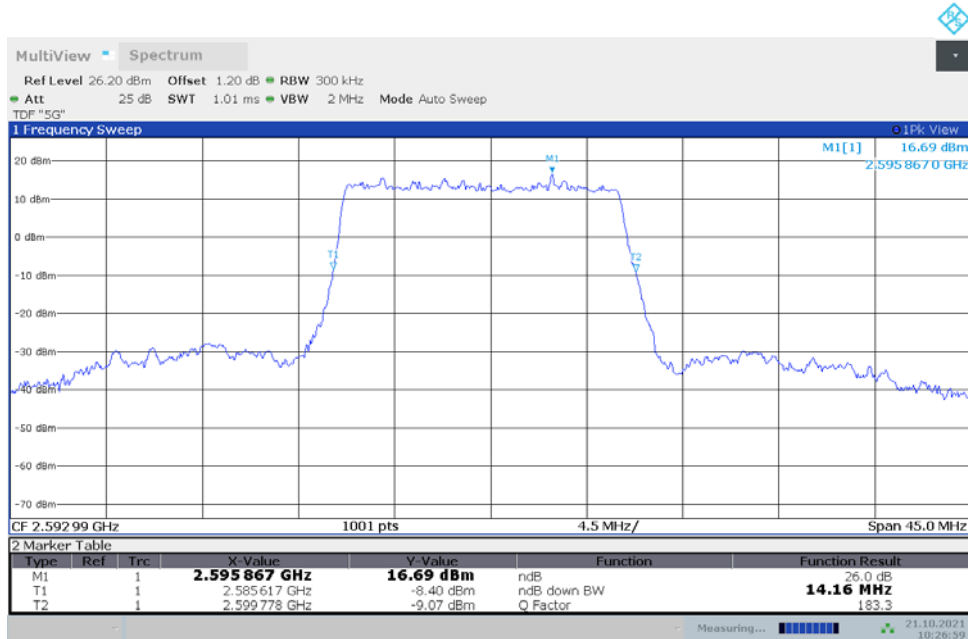
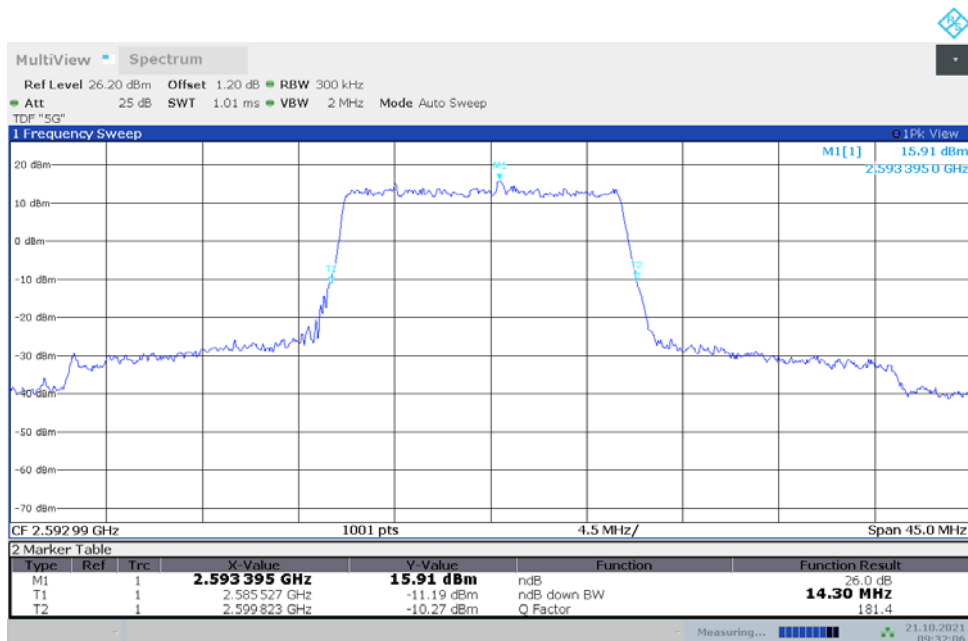


Date: 21.OCT.2021 09:31:07



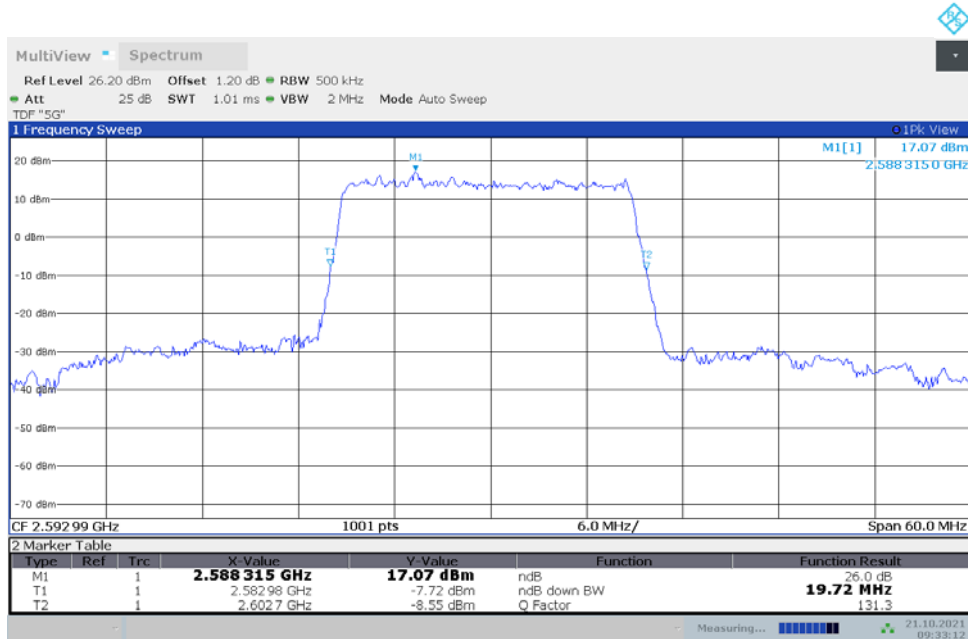
**n41,15MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	14.161	14.296

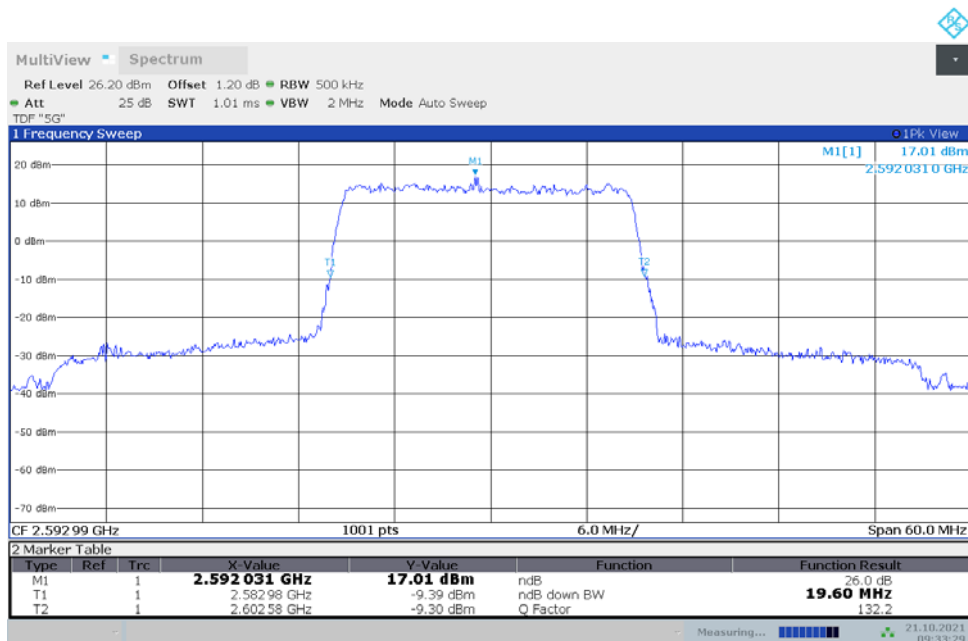
**n41,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)**

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


**n41,20MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	19.720	19.600

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


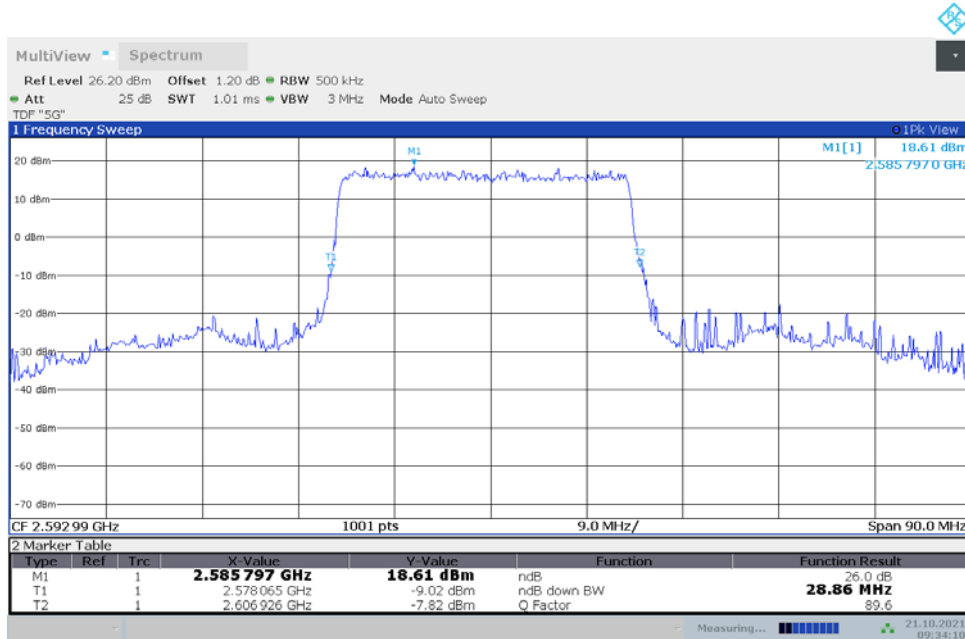
Date: 21.OCT.2021 09:33:12

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


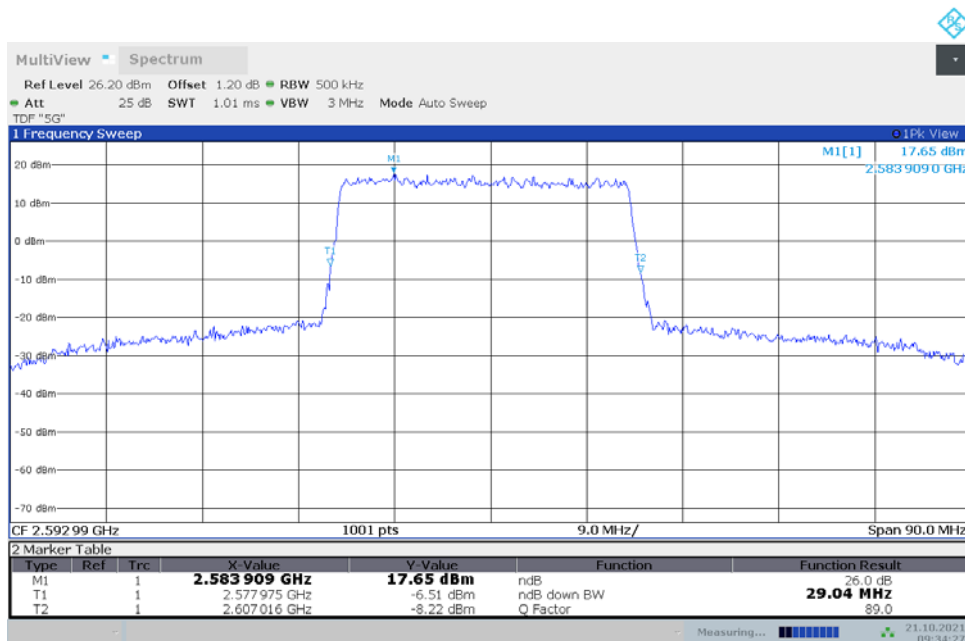
Date: 21.OCT.2021 09:33:29

**n41,30MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	28.861	29.041

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


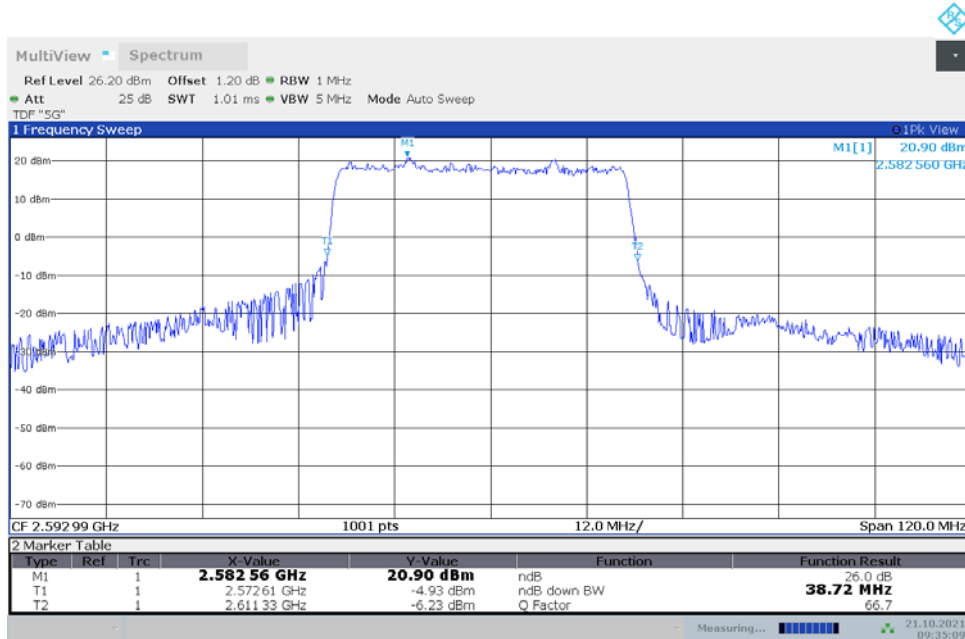
Date: 21.OCT.2021 09:34:10

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


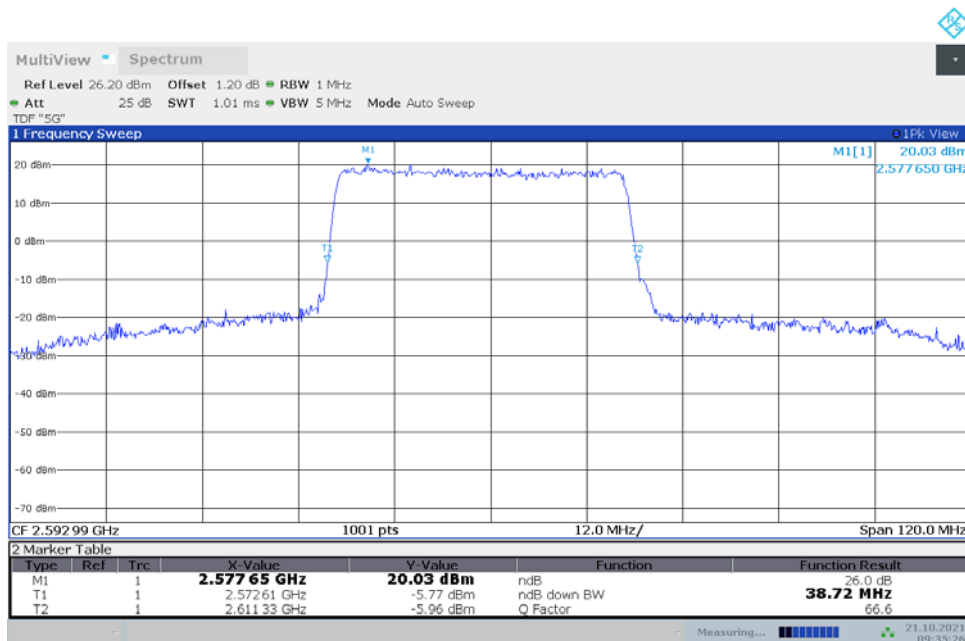
Date: 21.OCT.2021 09:34:27

**n41,40MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	38.720	38.720

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


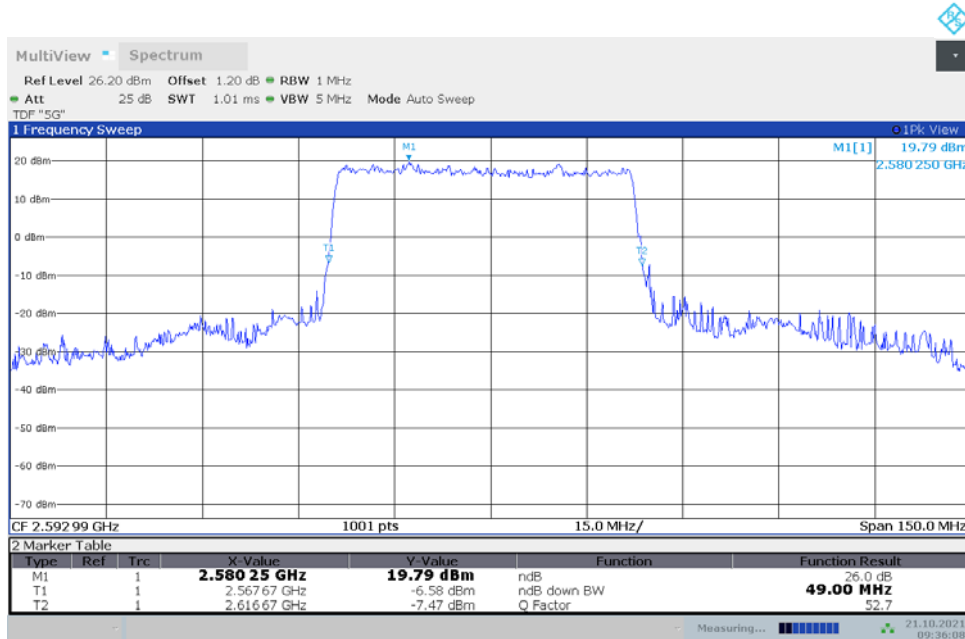
Date: 21.OCT.2021 09:35:09

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


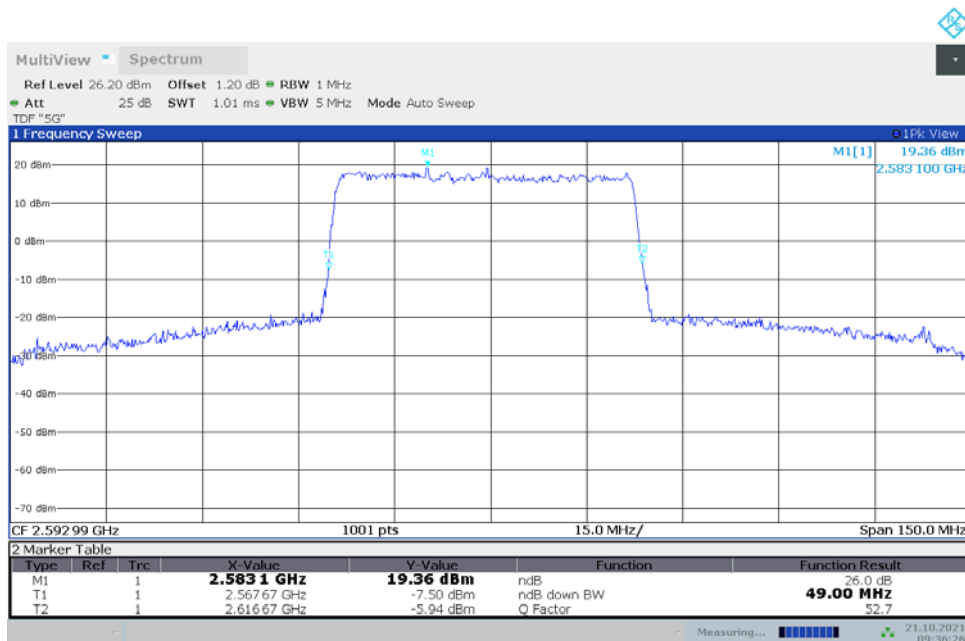
Date: 21.OCT.2021 09:35:26

**n41,50MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	49.000	49.000

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


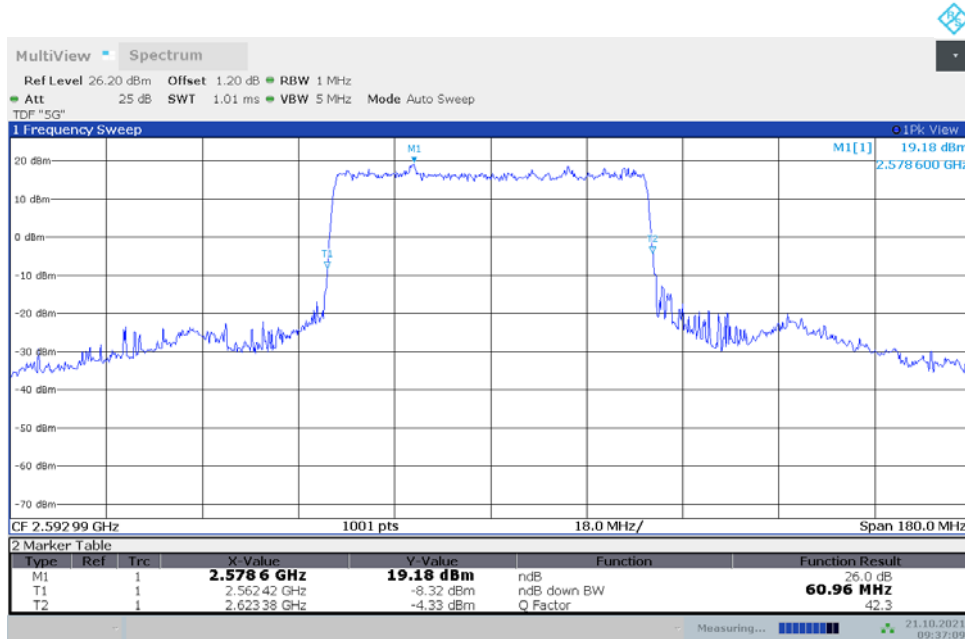
Date: 21.OCT.2021 09:36:09

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


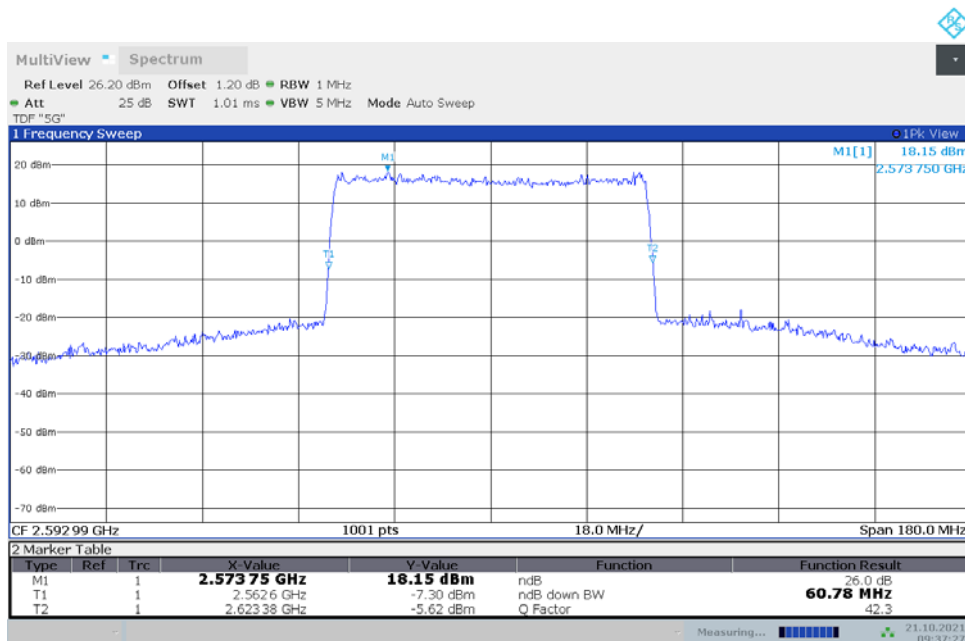
Date: 21.OCT.2021 09:36:26

**n41,60MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	60.960	60.780

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


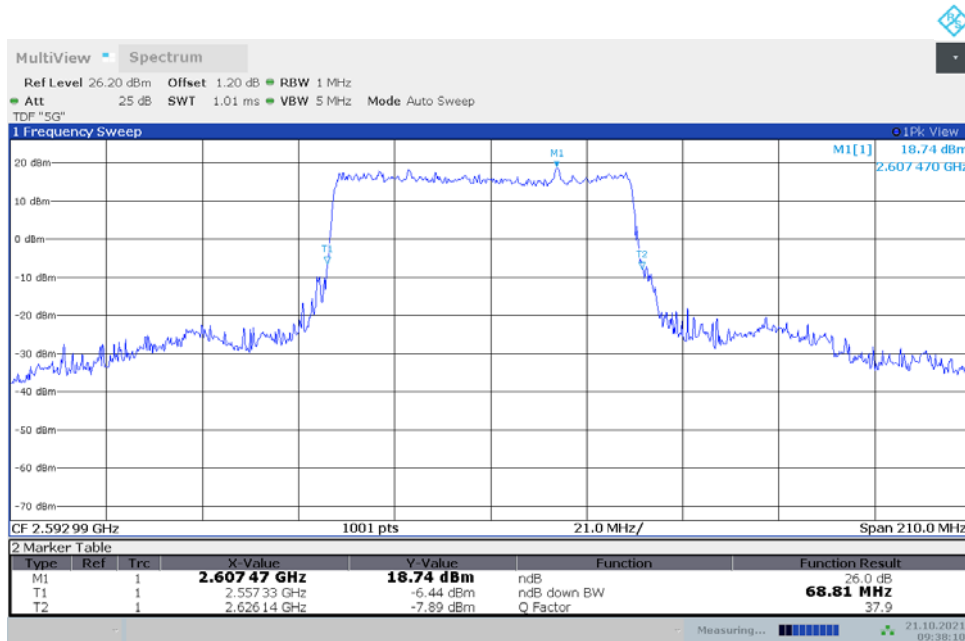
Date: 21.OCT.2021 09:37:10

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


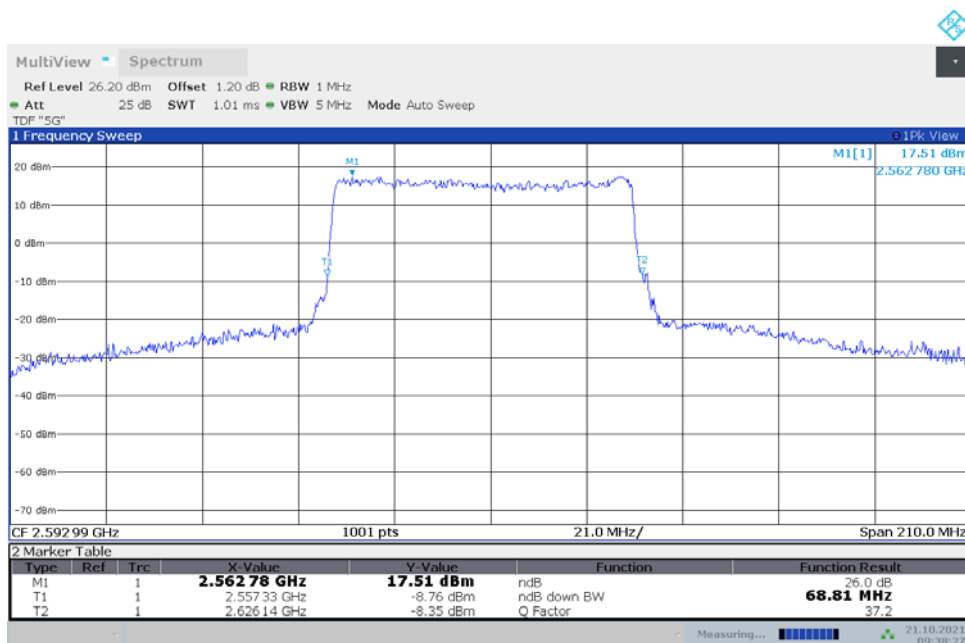
Date: 21.OCT.2021 09:37:27

**n41,70MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	68.810	68.810

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


Date: 21.OCT.2021 09:38:10

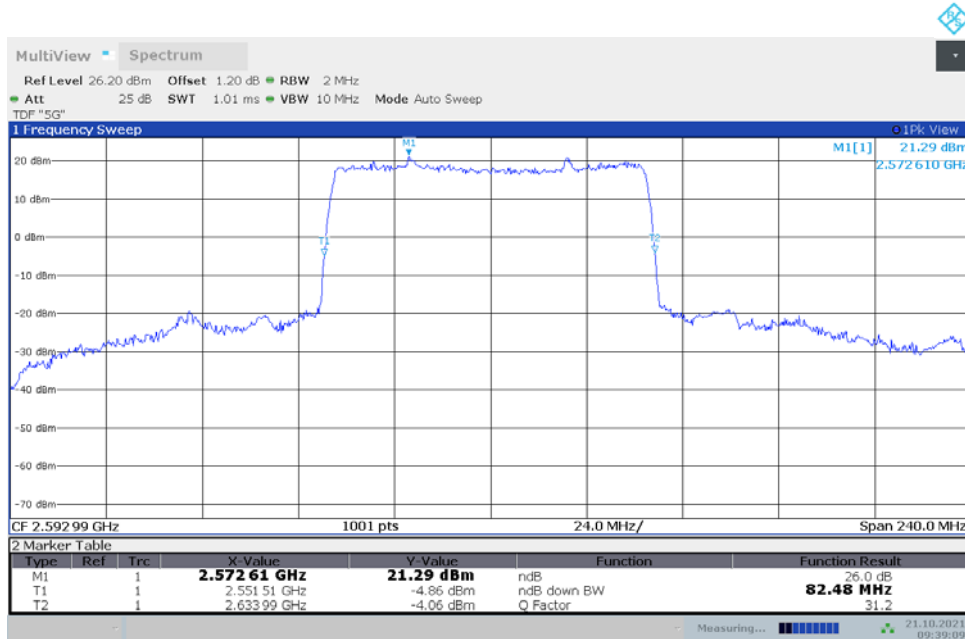
**n41,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**


Date: 21.OCT.2021 09:38:27

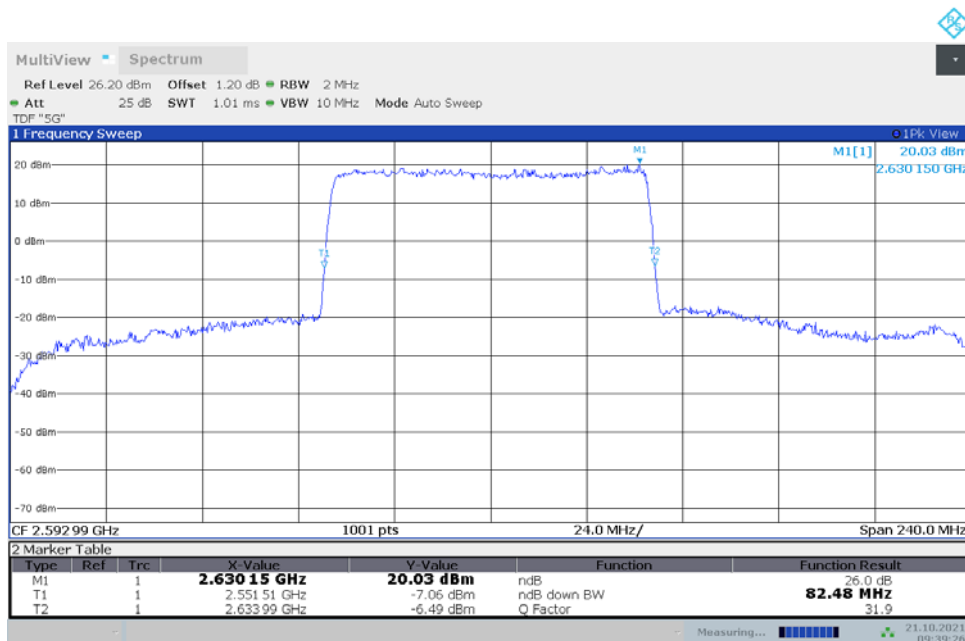


**n41,80MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	82.480	82.480

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


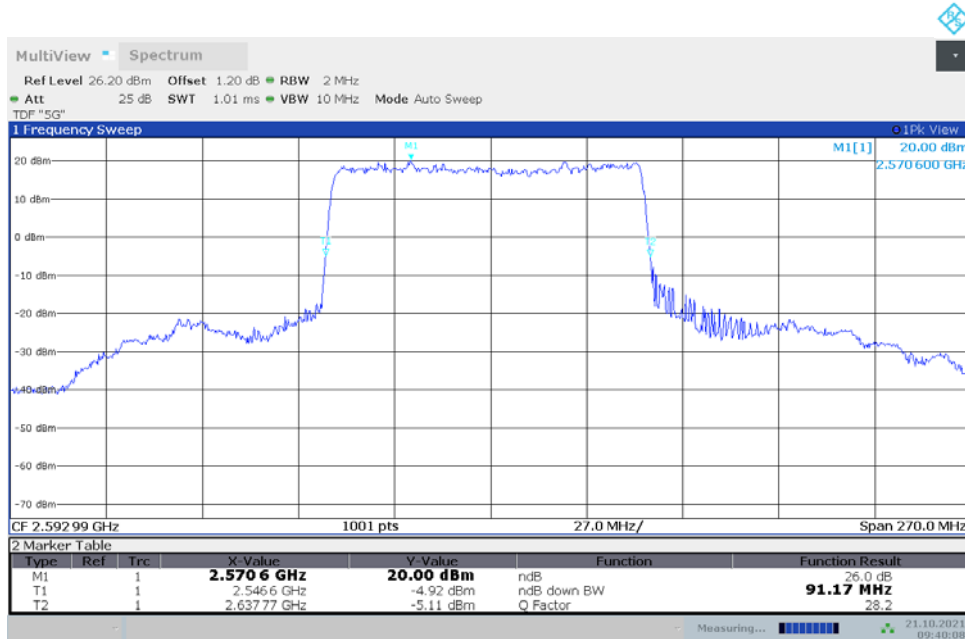
Date: 21.OCT.2021 09:39:09

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


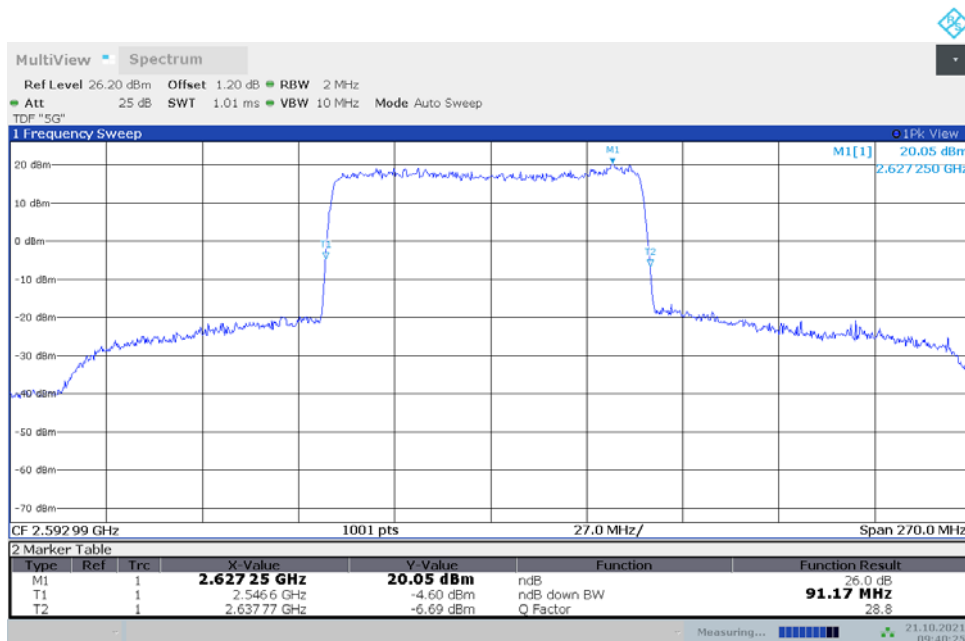
Date: 21.OCT.2021 09:39:26

**n41,90MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	91.170	91.170

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


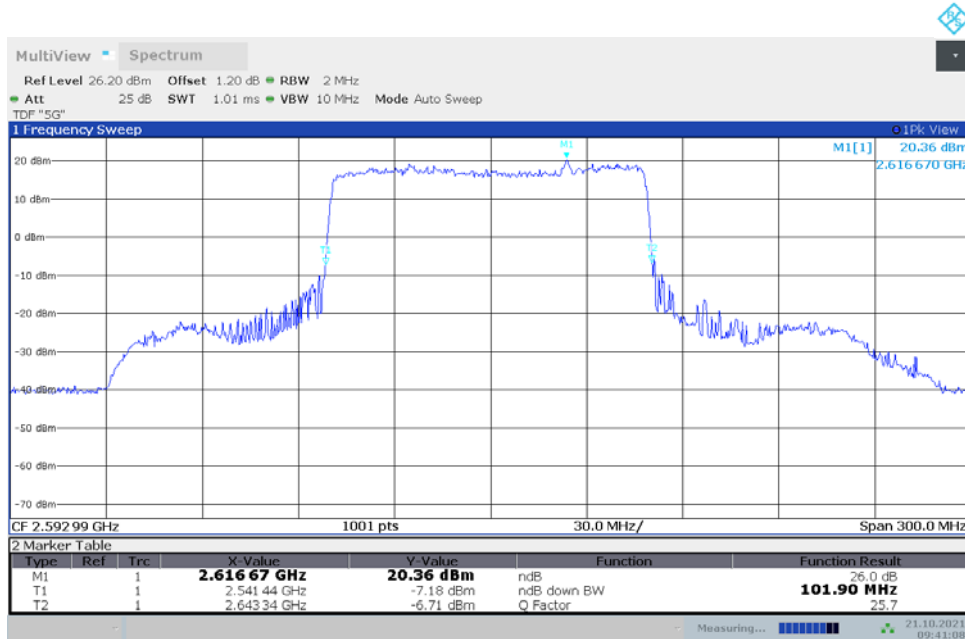
Date: 21.OCT.2021 09:40:09

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


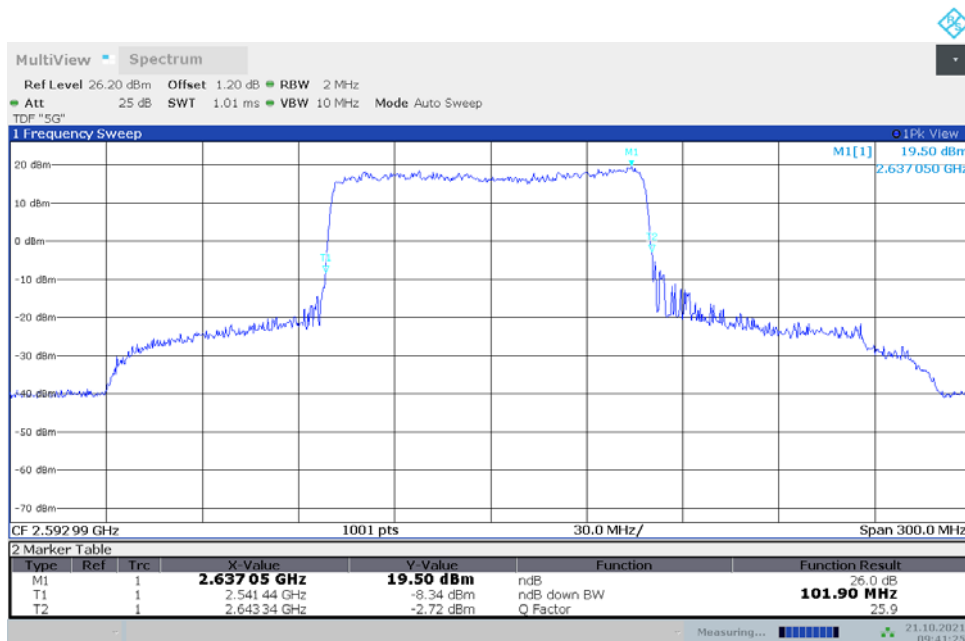
Date: 21.OCT.2021 09:40:26

**n41,100MHz(-26dBc)**

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	101.900	101.900

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


Date: 21.OCT.2021 09:41:08

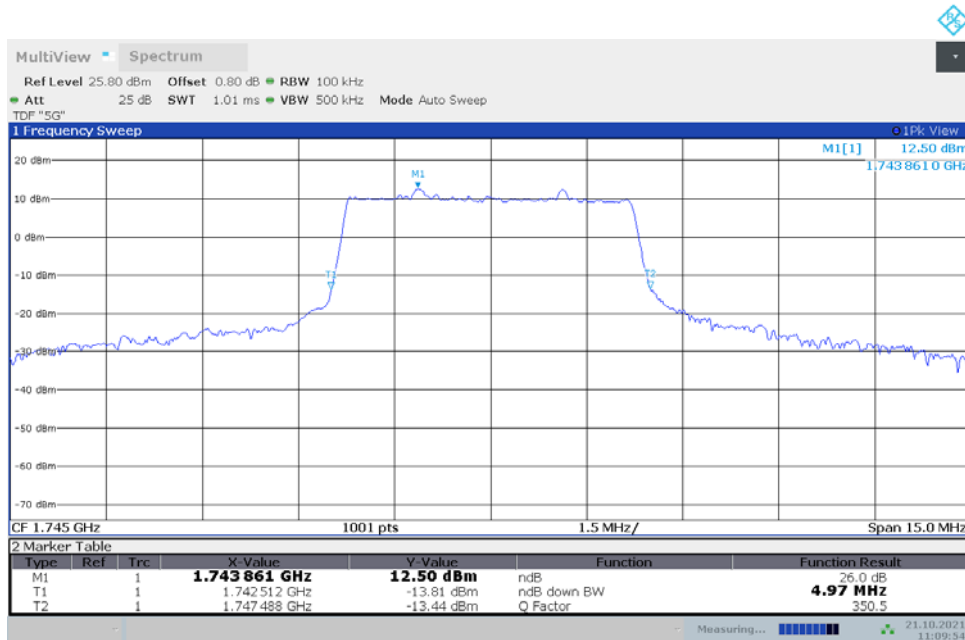
**n41,100MHz Bandwidth,DFT-s-QPSK (-26dBc BW)**


Date: 21.OCT.2021 09:41:25

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

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	4.975	5.380

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



Date: 21.OCT.2021 11:09:54

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

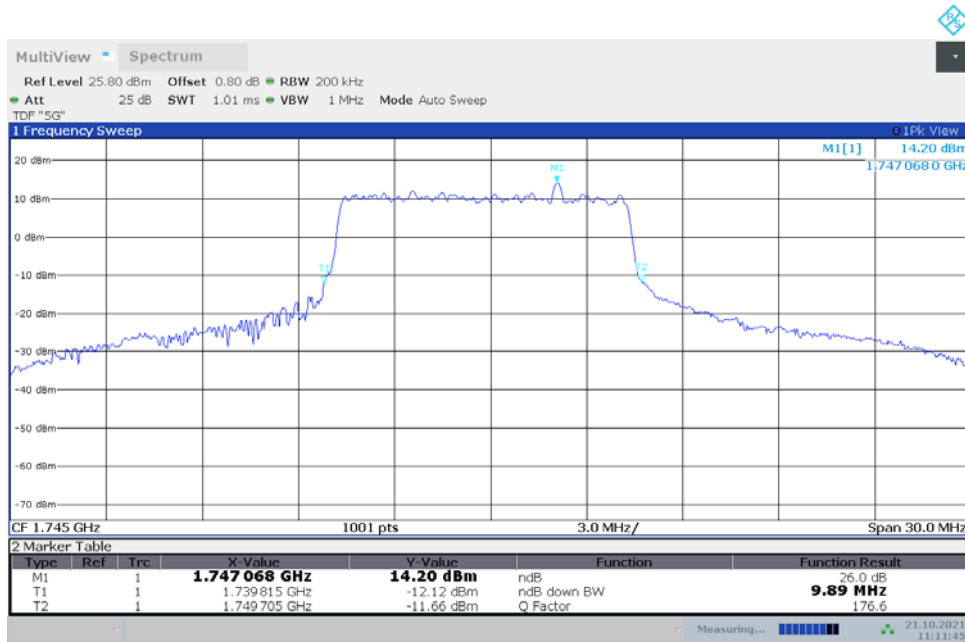


Date: 21.OCT.2021 11:10:17

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

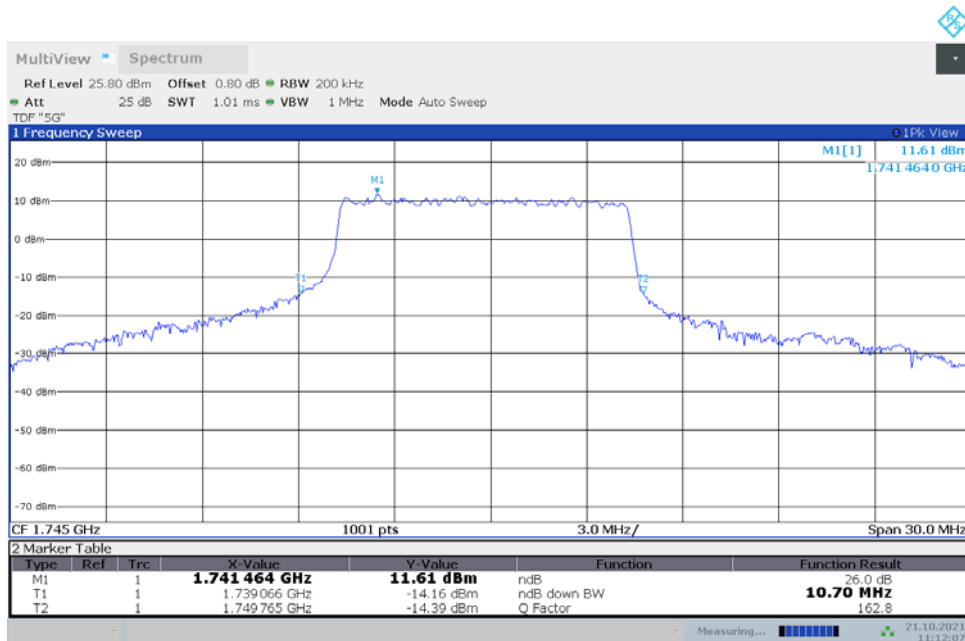
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	9.890	10.699

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



Date: 21.OCT.2021 11:11:45

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



Date: 21.OCT.2021 11:12:08