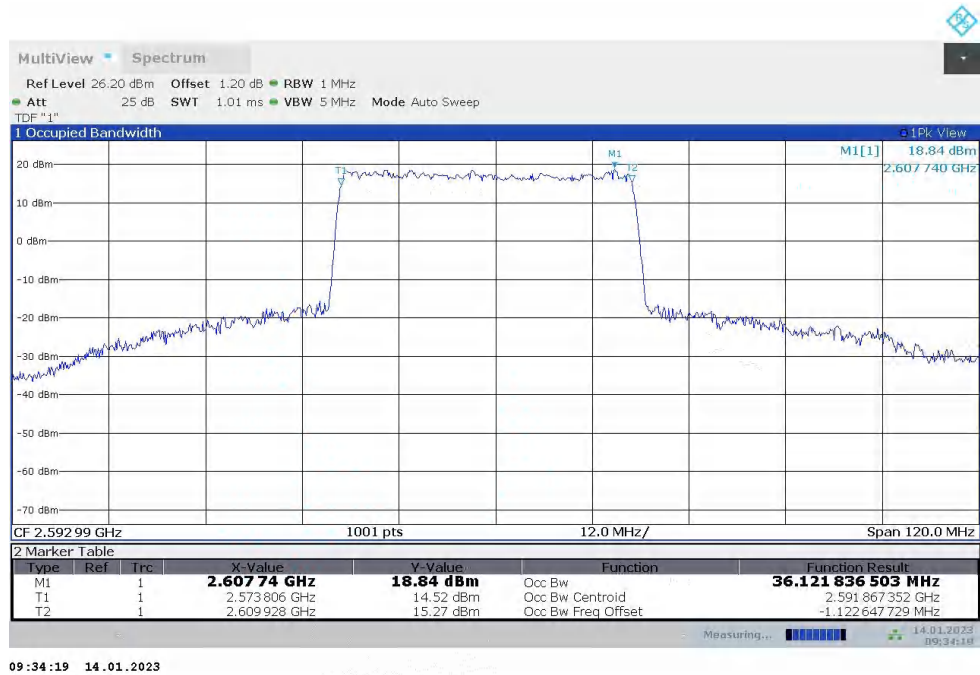


n41,40MHz Bandwidth,DFT-s-16QAM (99% BW)

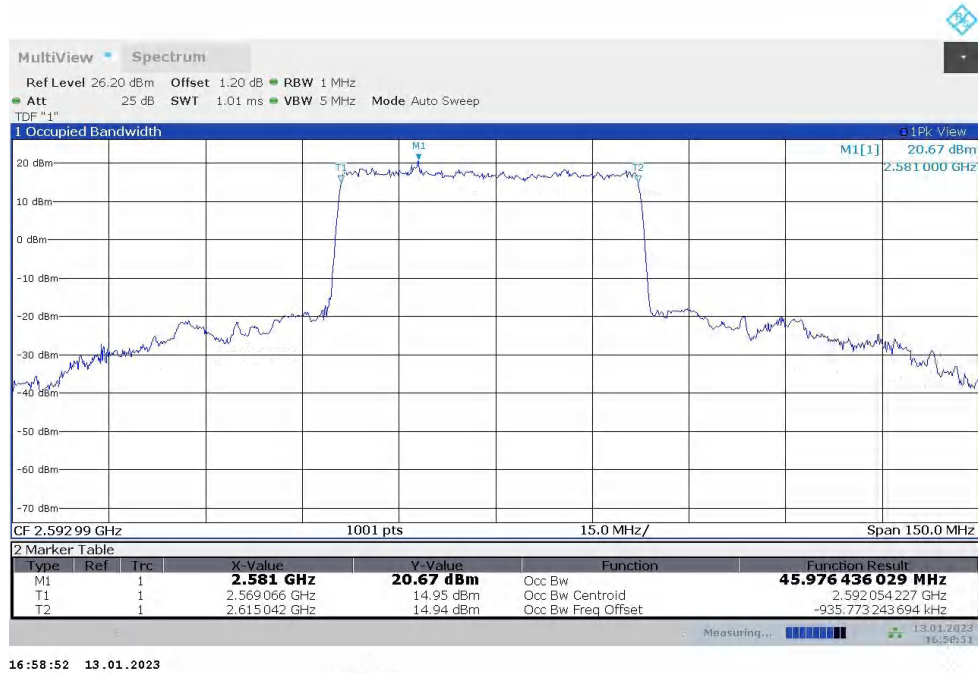


n41

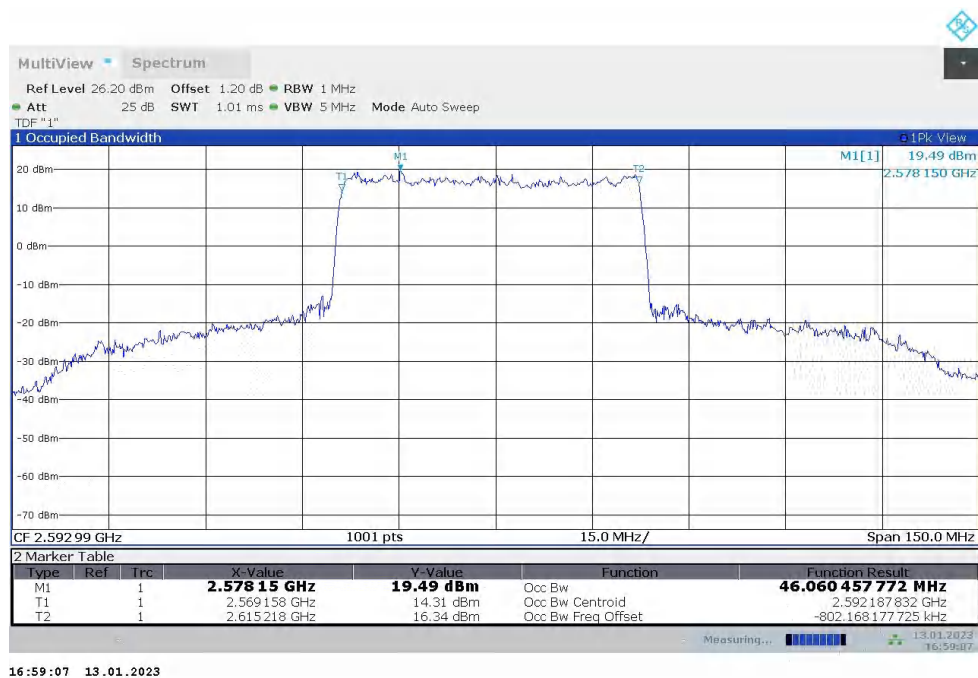
n41,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
2592.99	45.976	46.060	45.992

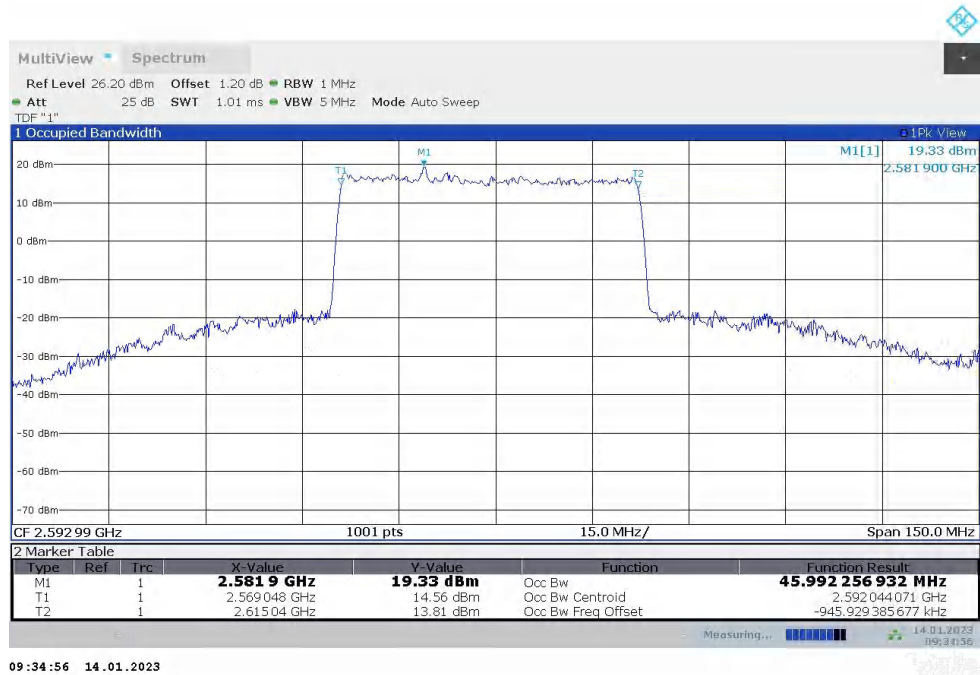
n41,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n41,50MHz Bandwidth,DFT-s-QPSK (99% BW)



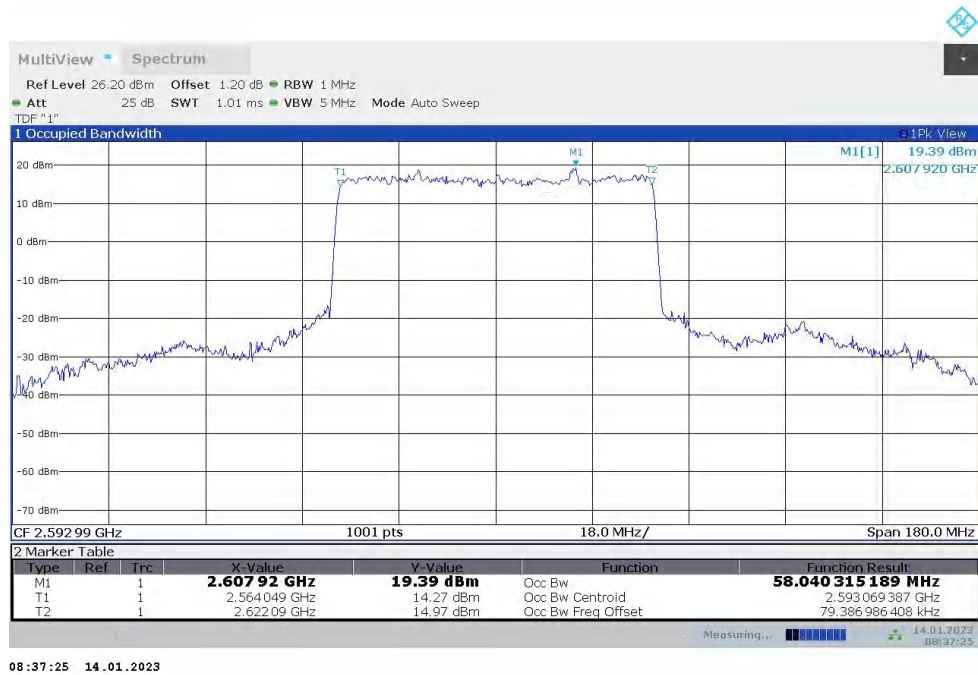
n41,50MHz Bandwidth,DFT-s-16QAM (99% BW)



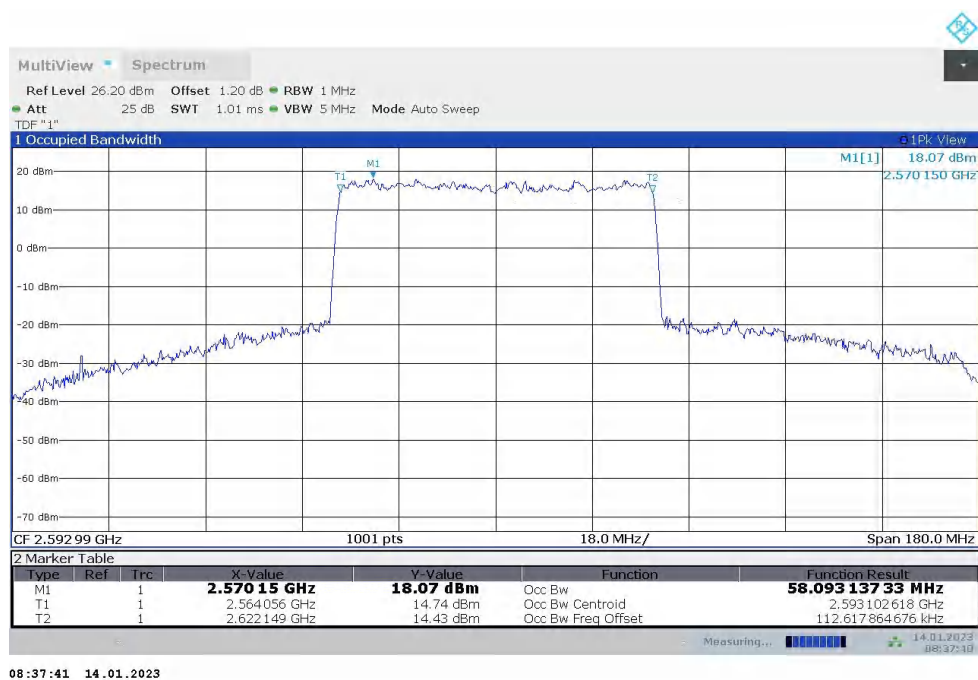
n41
n41,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
2592.99	58.040	58.093	58.202

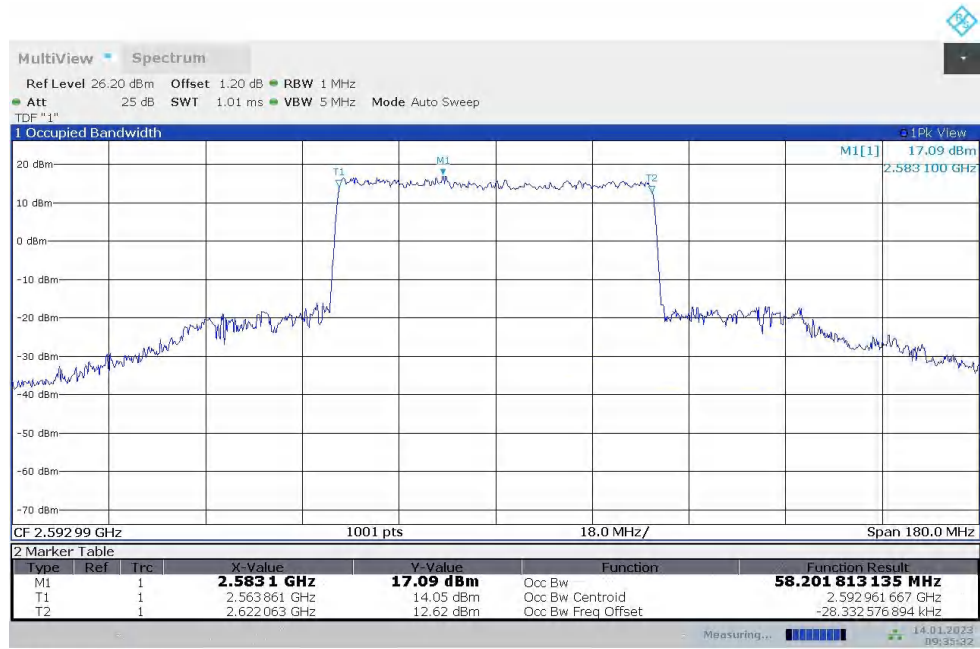
n41,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n41,60MHz Bandwidth,DFT-s-QPSK (99% BW)



n41,60MHz Bandwidth,DFT-s-16QAM (99% BW)



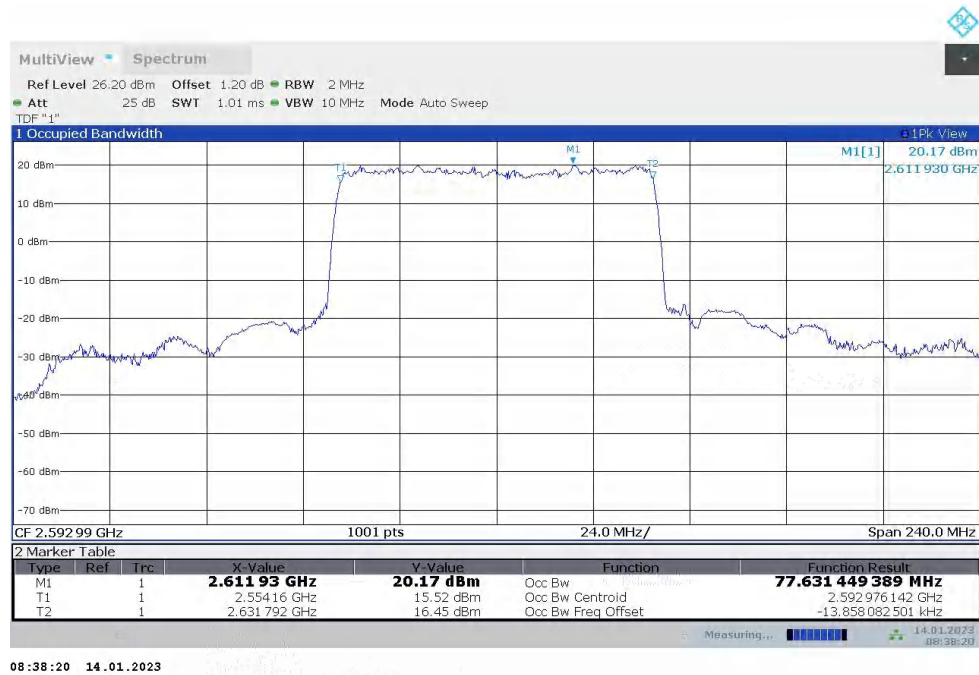
09:35:33 14.01.2023

n41

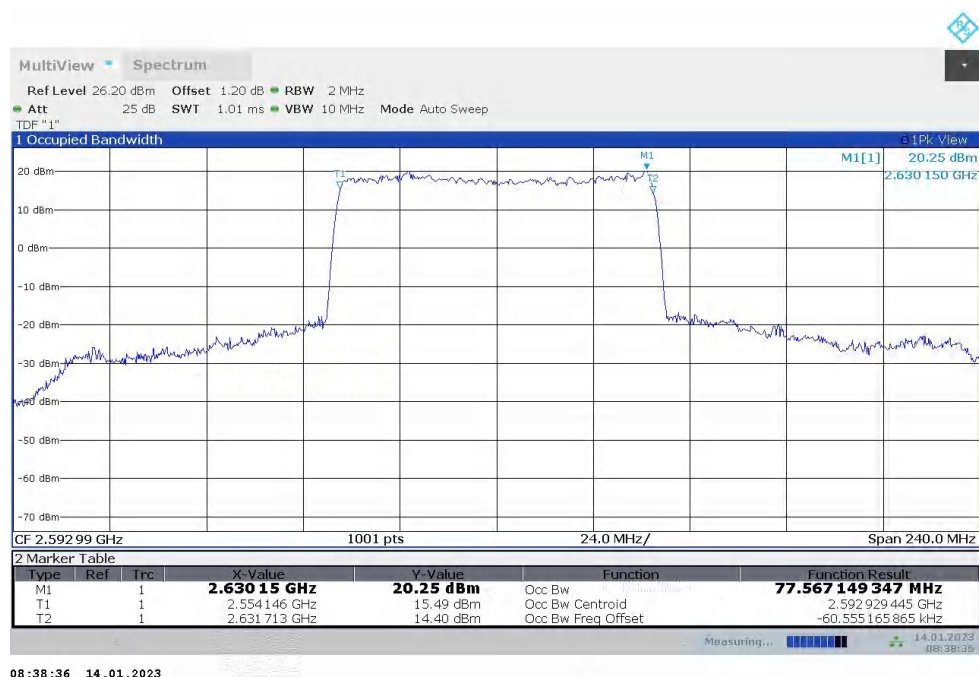
n41,80MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
2592.99	77.631	77.567	77.820

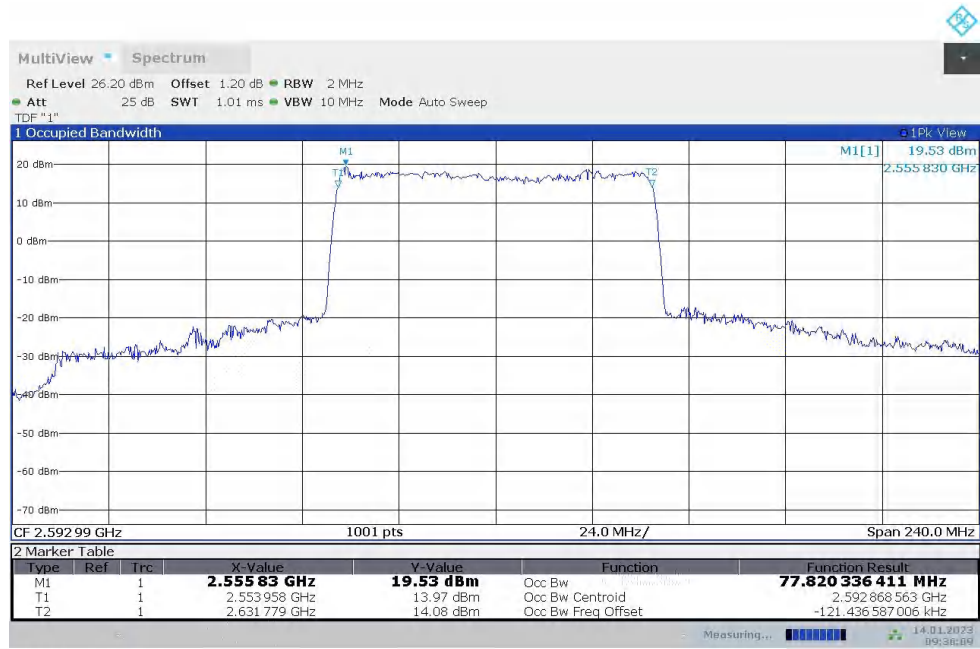
n41,80MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n41,80MHz Bandwidth,DFT-s-QPSK (99% BW)



n41,80MHz Bandwidth,DFT-s-16QAM (99% BW)

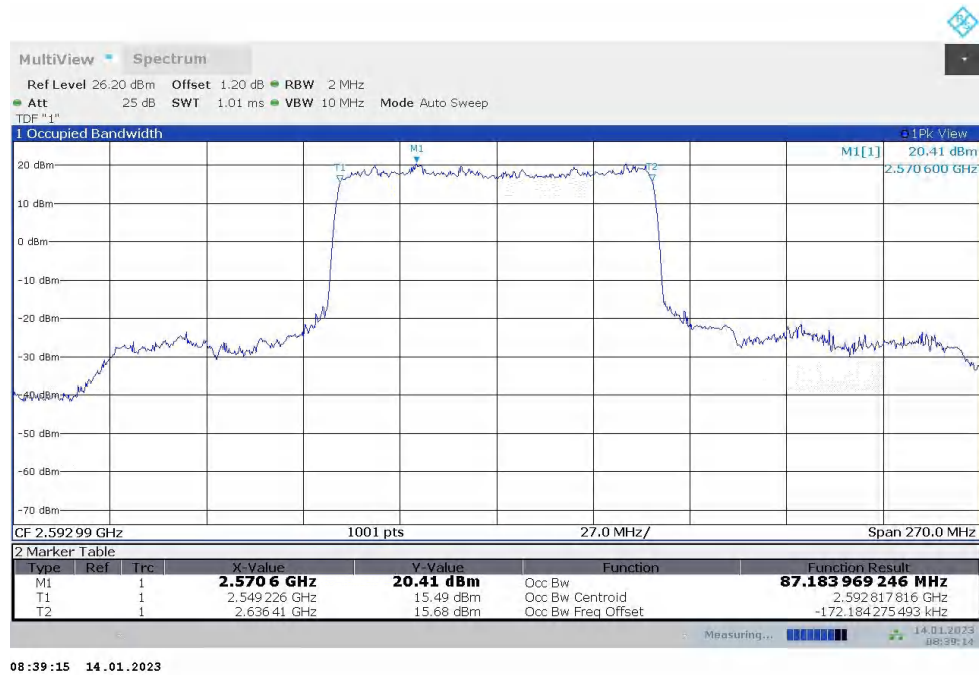


09:36:09 14.01.2023

n41
n41,90MHz(99%)

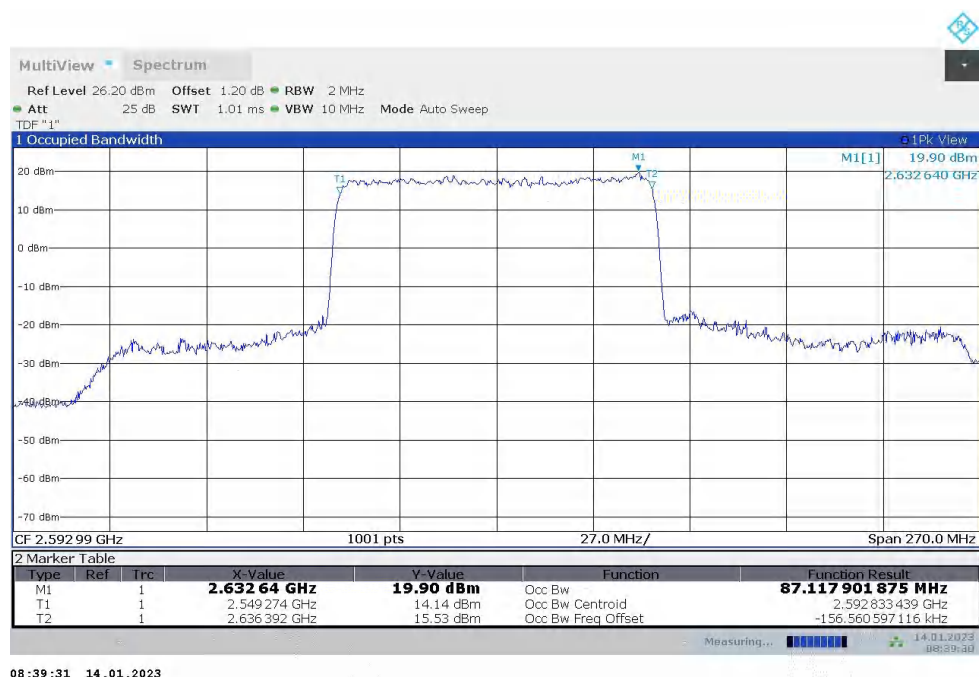
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
2592.99	87.184	87.118	87.018

n41,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



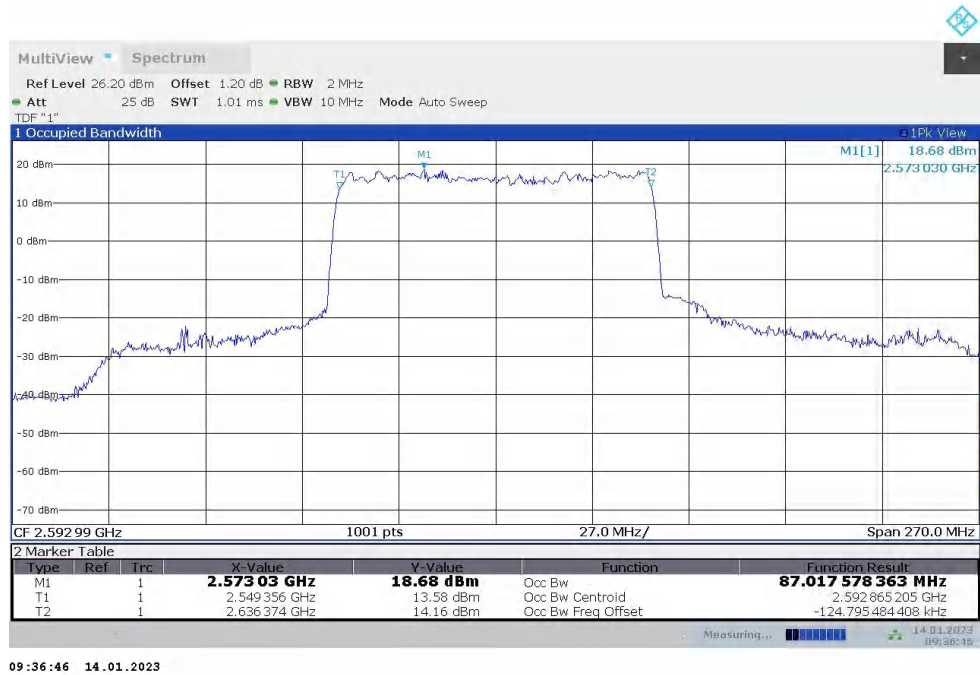
08:39:15 14.01.2023

n41,90MHz Bandwidth,DFT-s-QPSK (99% BW)



08:39:31 14.01.2023

n41,90MHz Bandwidth,DFT-s-16QAM (99% BW)

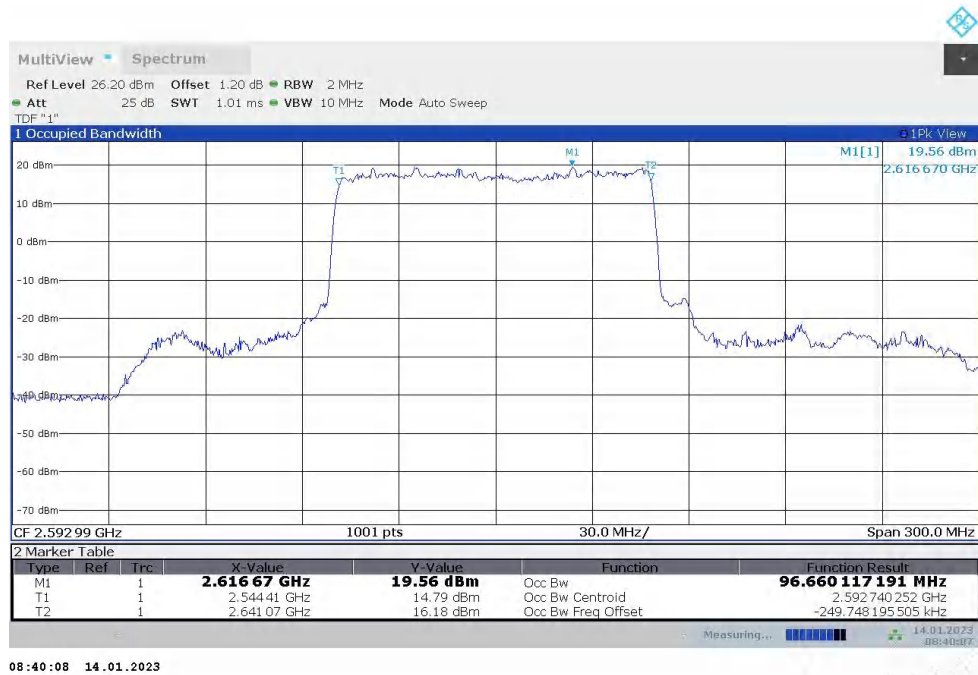


09:36:46 14.01.2023

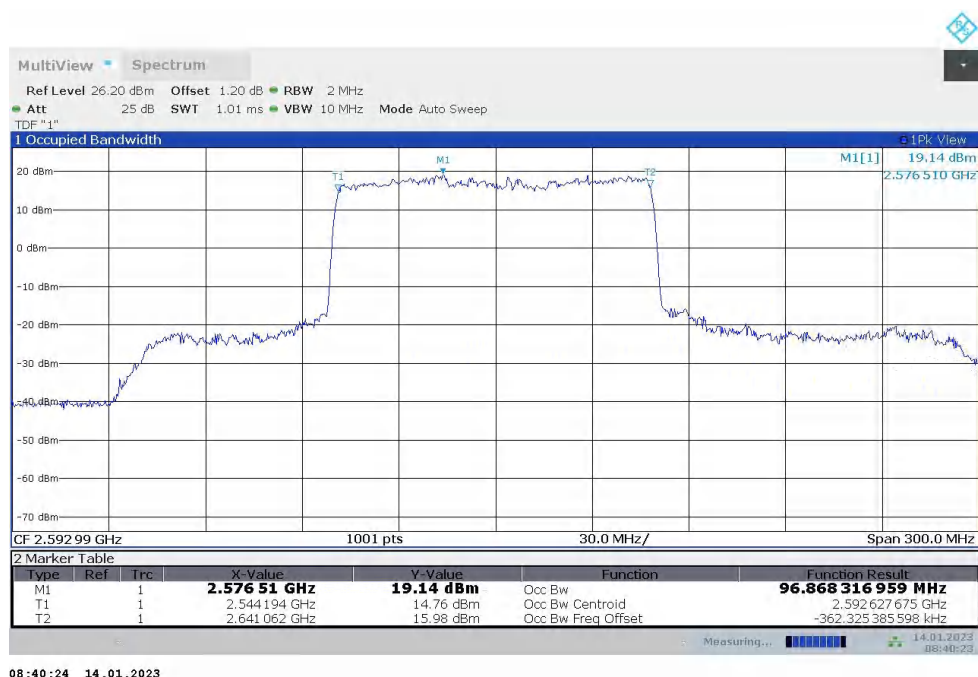
n41
n41,100MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
2592.99	96.660	96.868	96.814

n41,100MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n41,100MHz Bandwidth,DFT-s-QPSK (99% BW)



n41,100MHz Bandwidth,DFT-s-16QAM (99% BW)



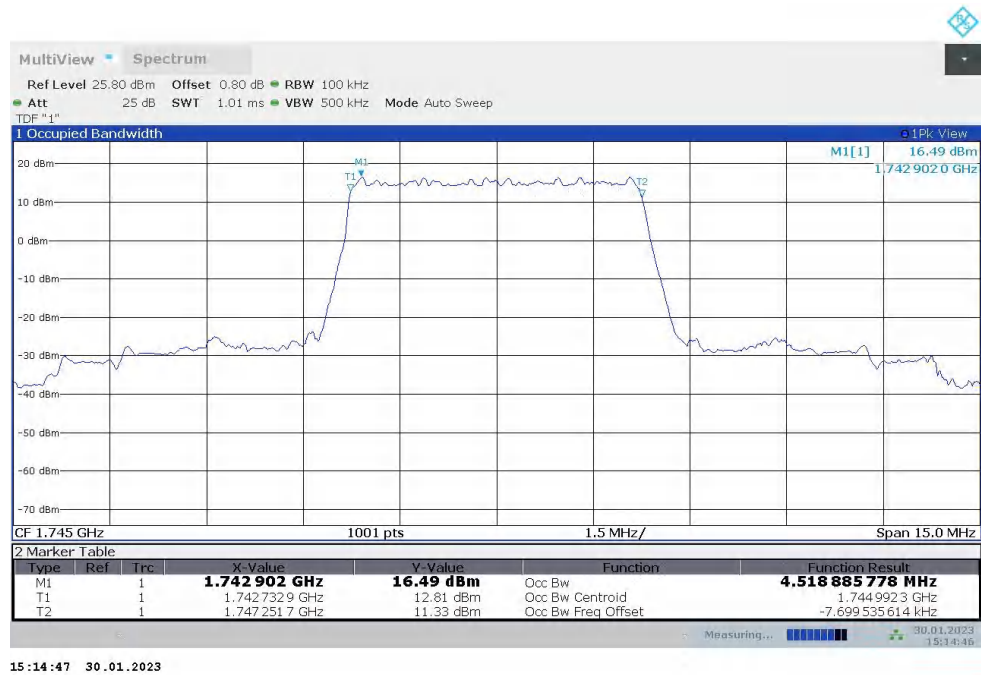
09:37:22 14.01.2023

n66

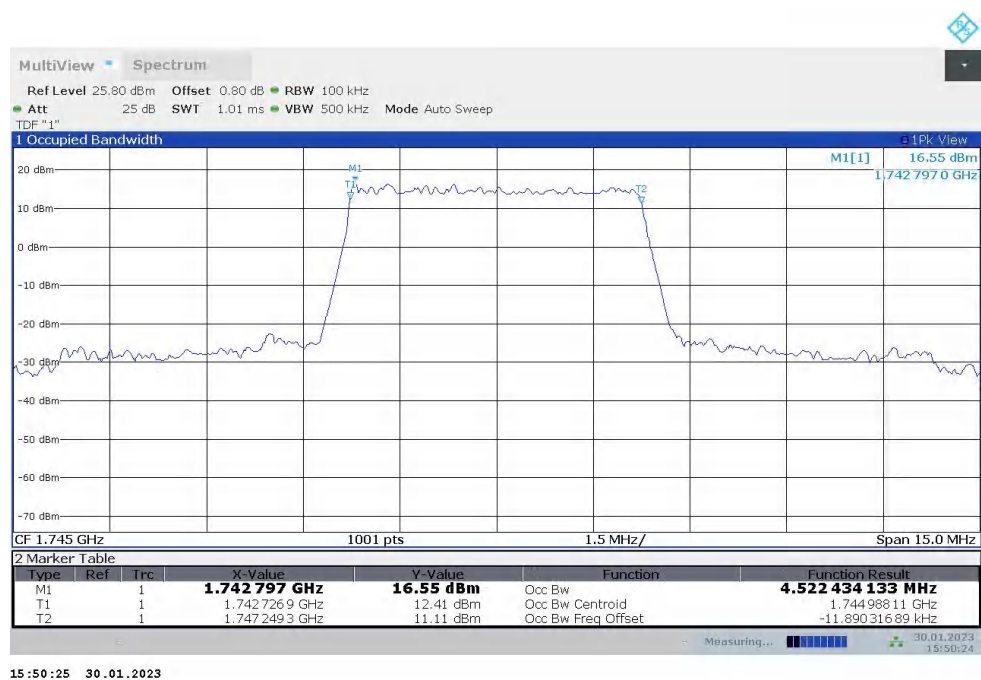
n66,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	4.519	4.522	4.500

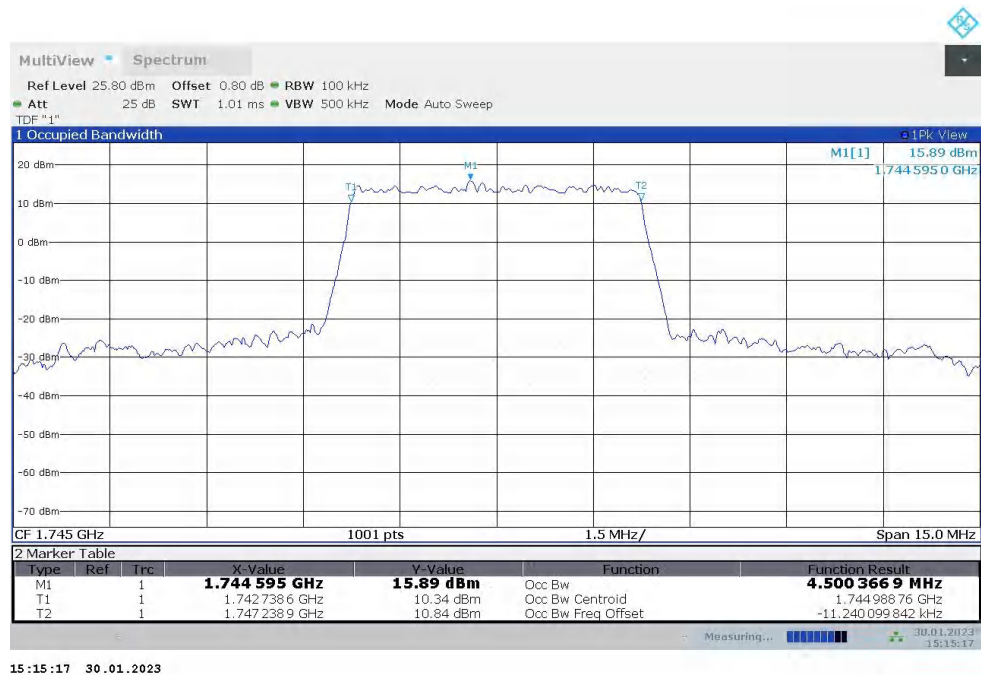
n66,5MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n66,5MHz Bandwidth,DFT-s-QPSK (99% BW)



n66,5MHz Bandwidth,DFT-s-16QAM (99% BW)

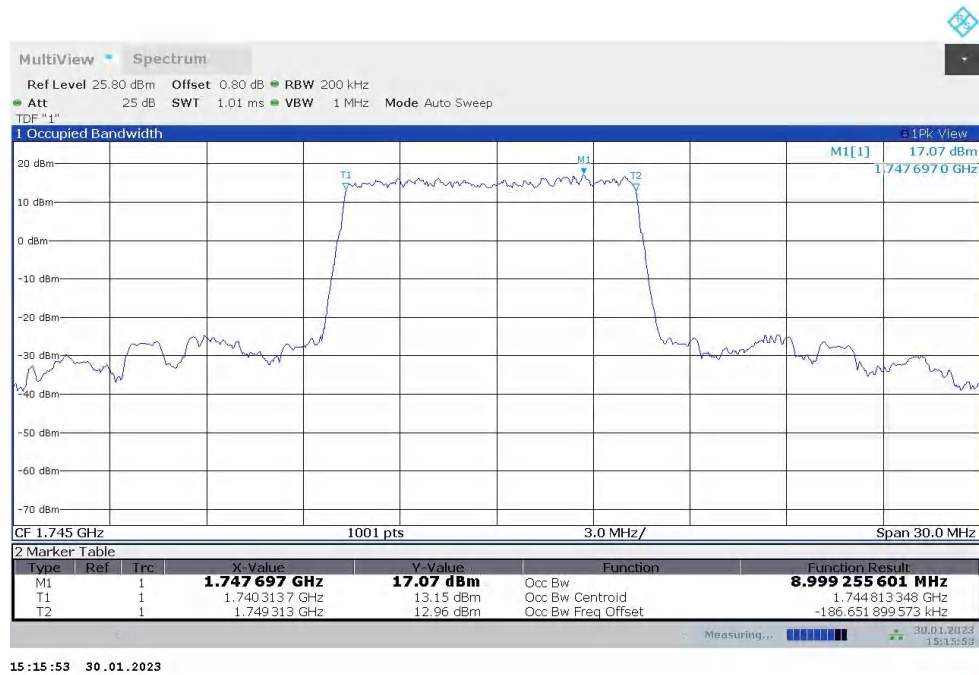


n66

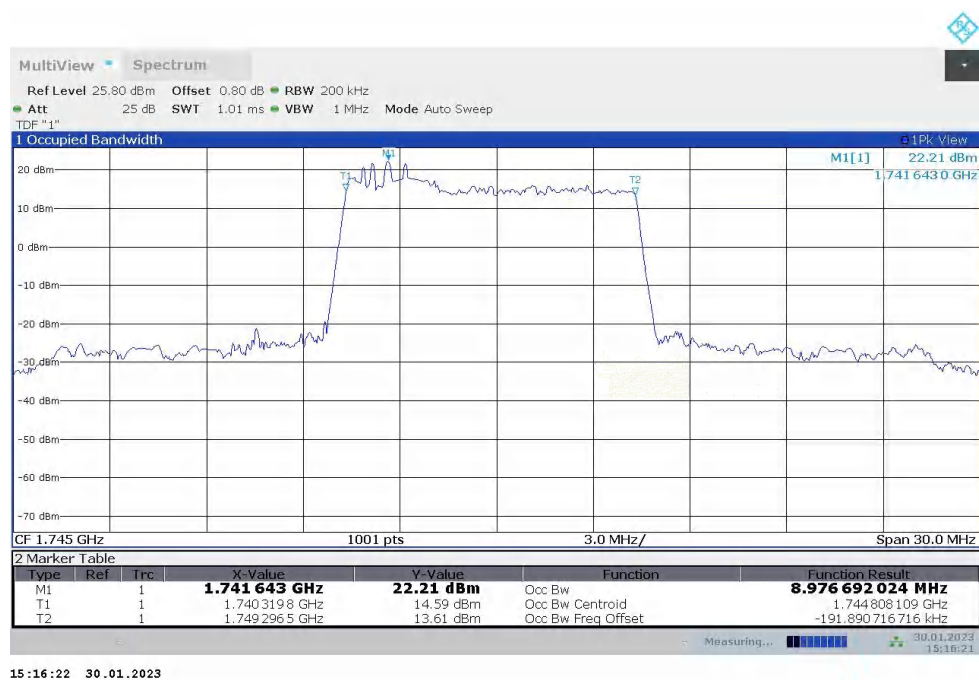
n66,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	8.999	8.977	9.019

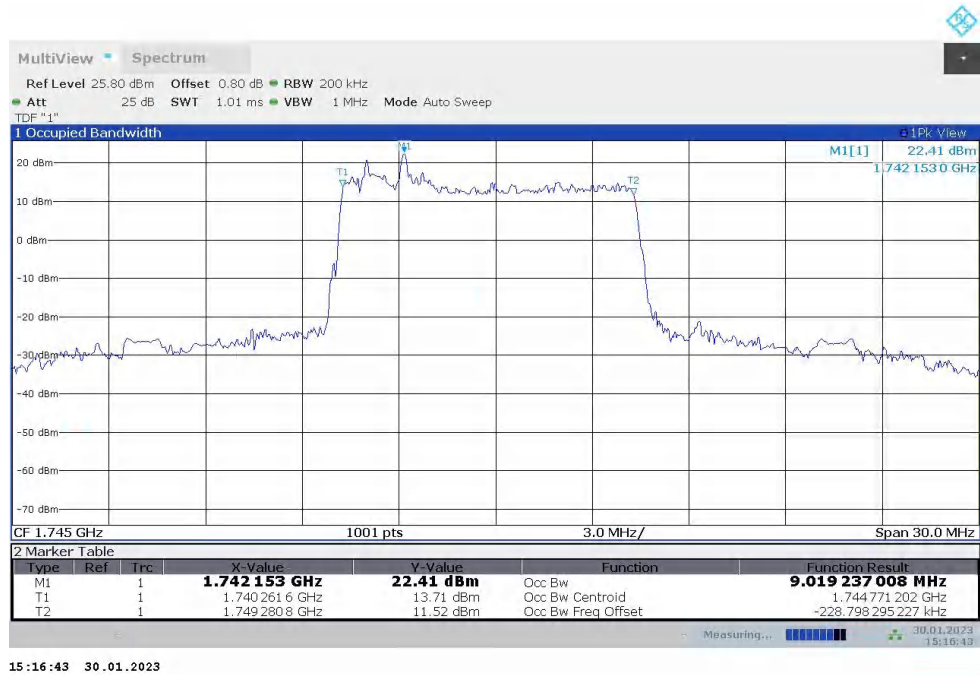
n66,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n66,10MHz Bandwidth,DFT-s-QPSK (99% BW)



n66,10MHz Bandwidth,DFT-s-16QAM (99% BW)



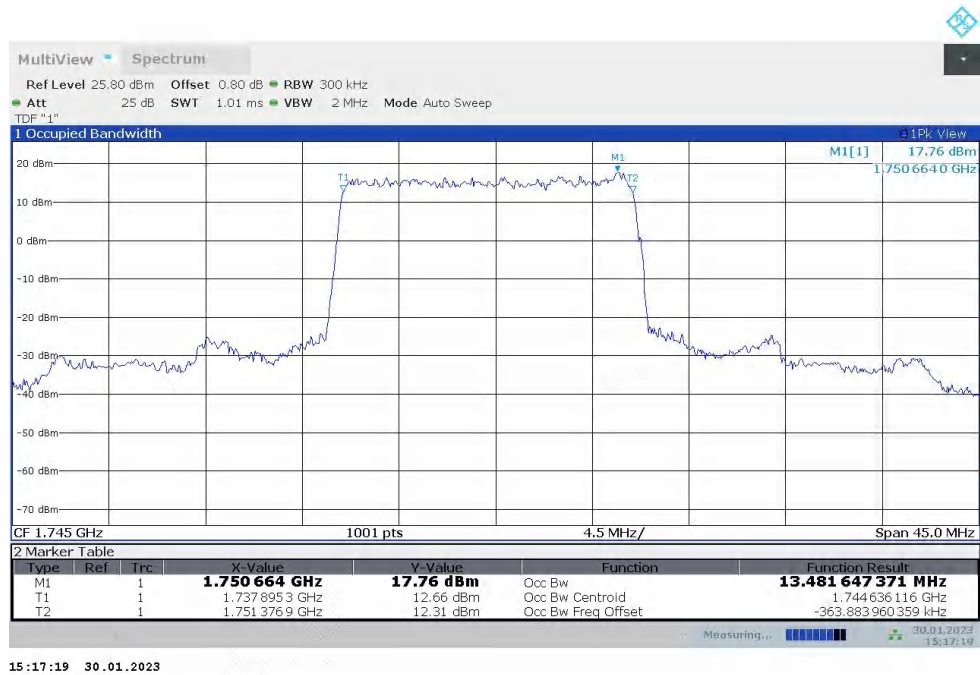
15:16:43 30.01.2023

n66

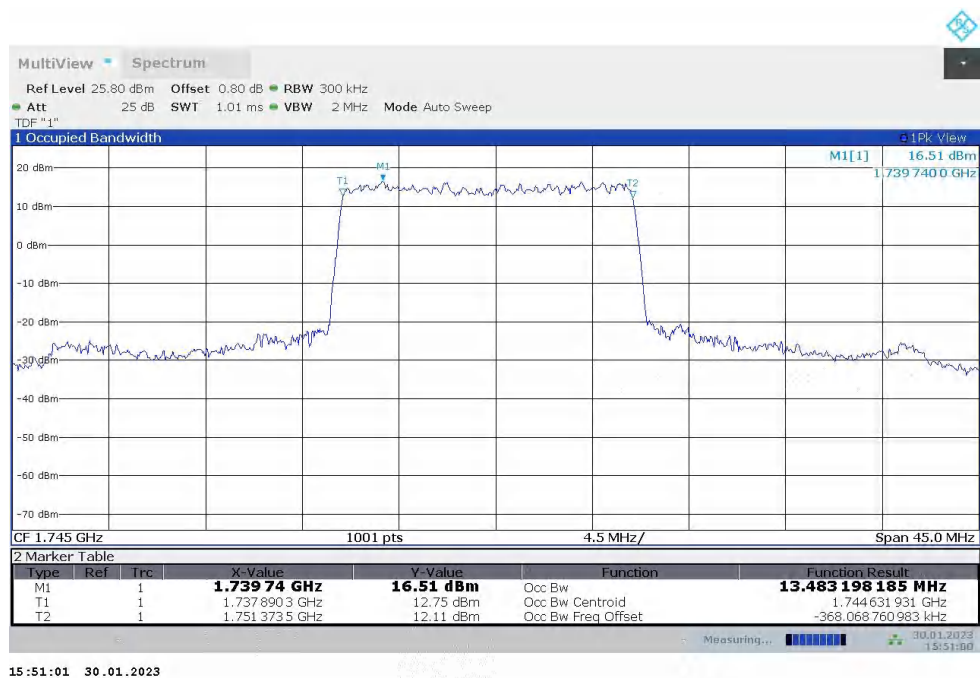
n66,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	13.482	13.483	13.470

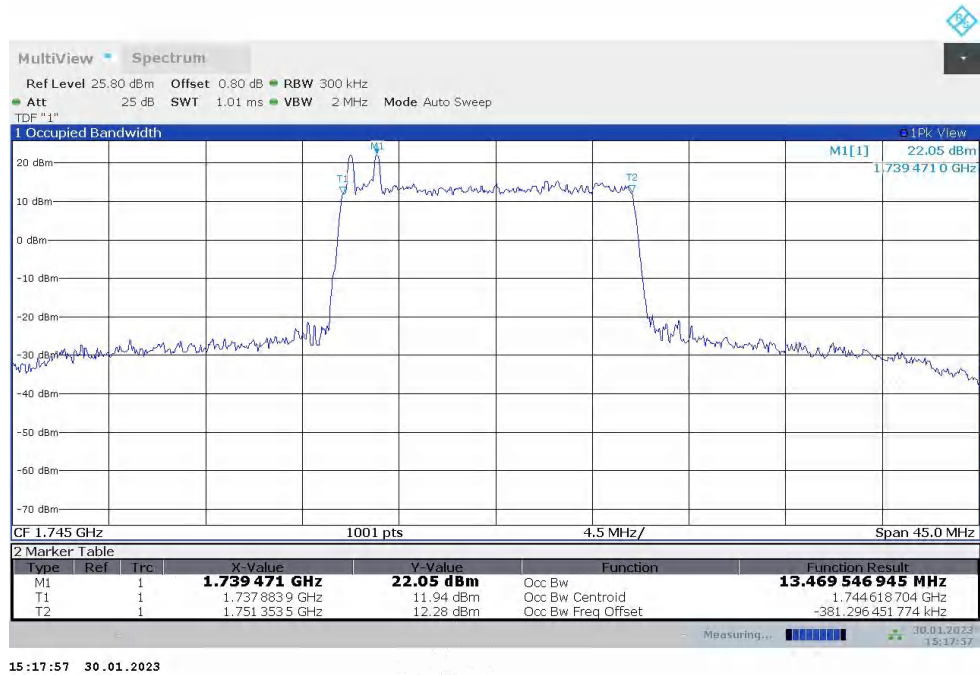
n66,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n66,15MHz Bandwidth,DFT-s-QPSK (99% BW)



n66,15MHz Bandwidth,DFT-s-16QAM (99% BW)



n66

n66,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	18.025	18.060	18.108

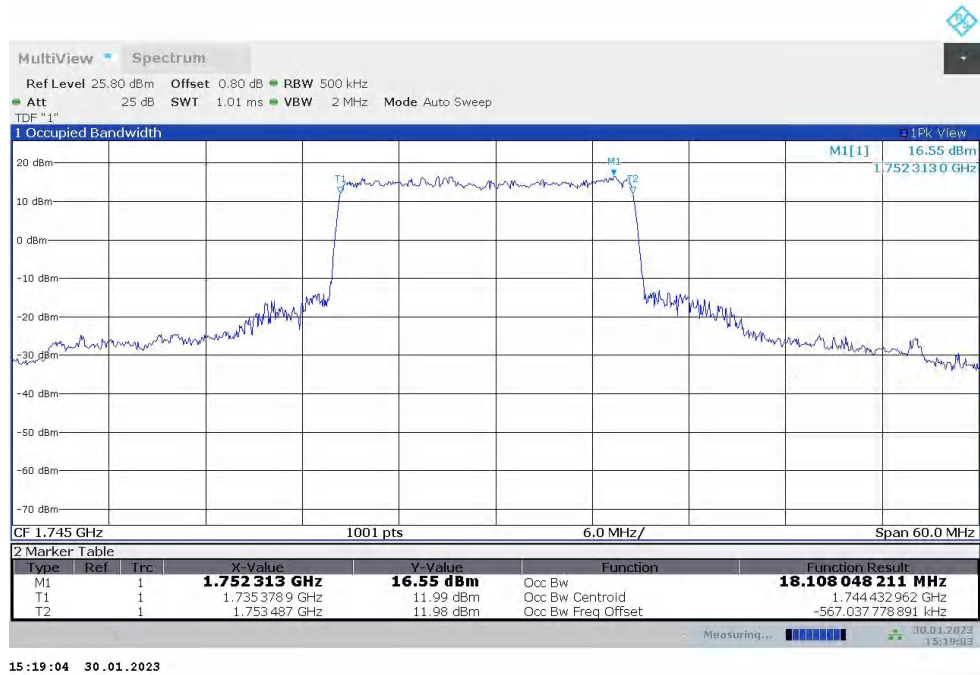
n66,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n66,20MHz Bandwidth,DFT-s-QPSK (99% BW)



n66,20MHz Bandwidth,DFT-s-16QAM (99% BW)

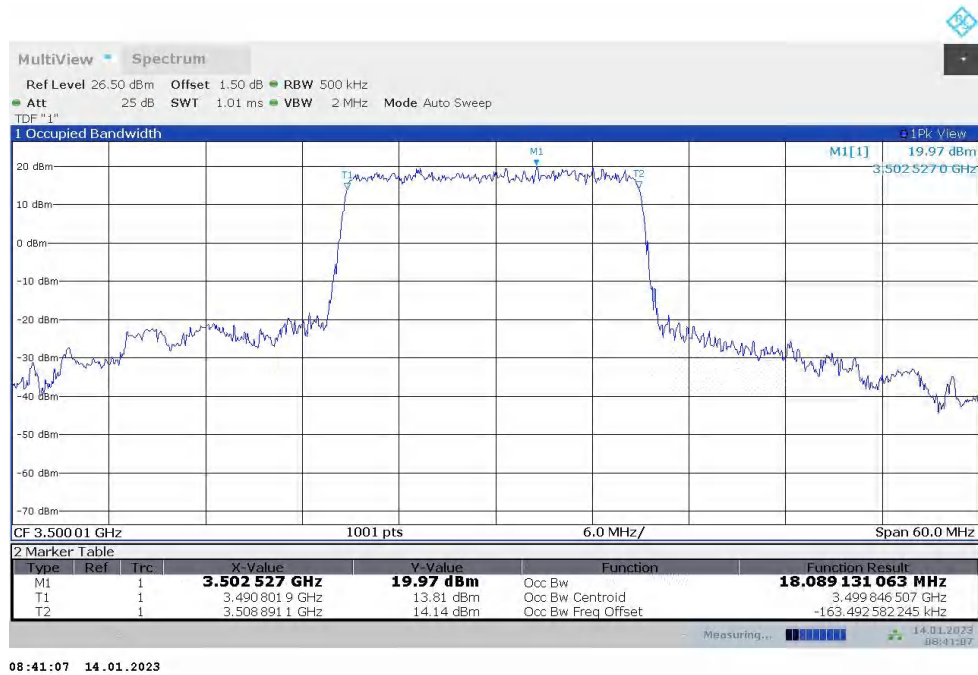


n78

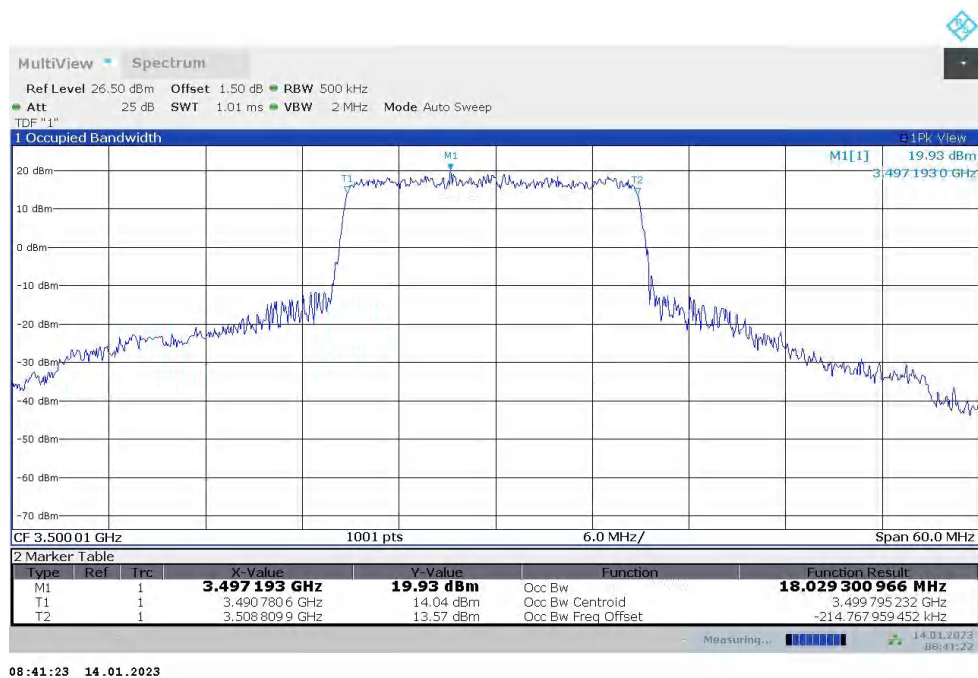
n78,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	18.089	18.029	18.078

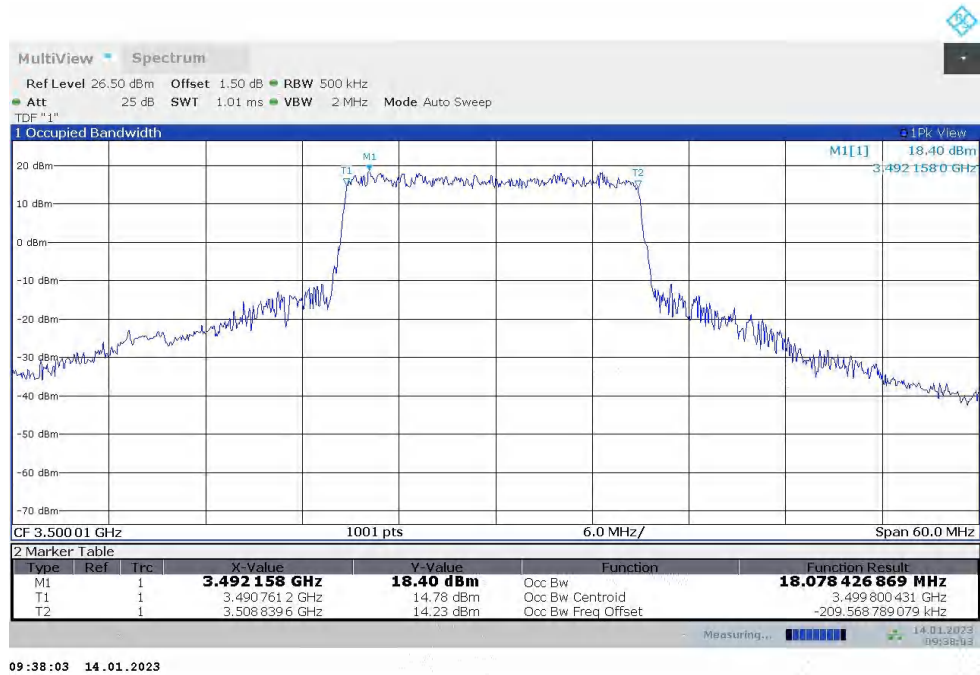
n78,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n78,20MHz Bandwidth,DFT-s-QPSK (99% BW)



n78,20MHz Bandwidth,DFT-s-16QAM (99% BW)

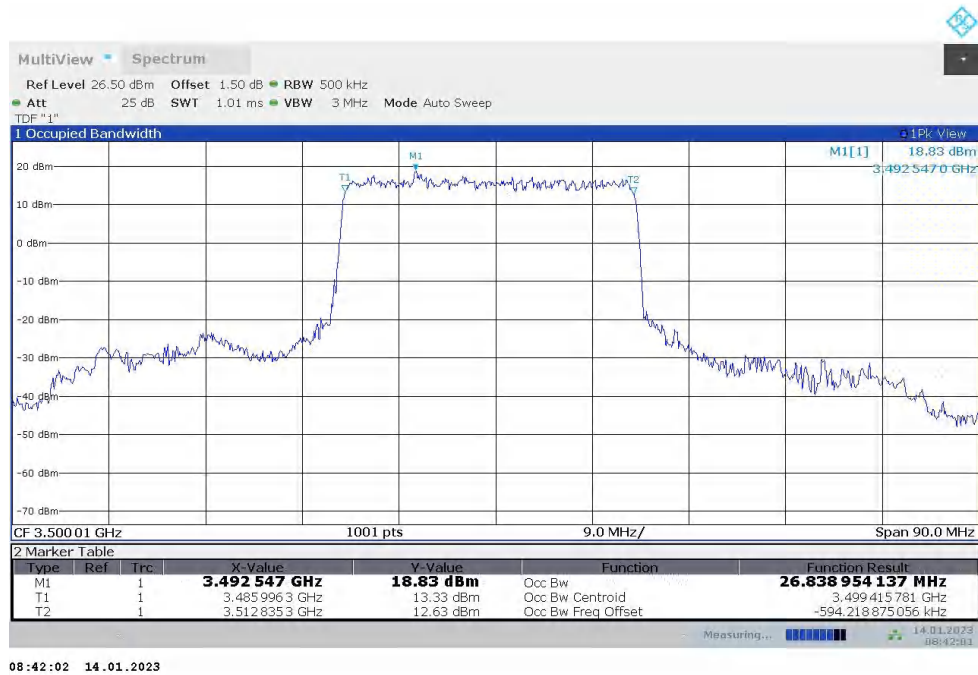


n78

n78,30MHz(99%)

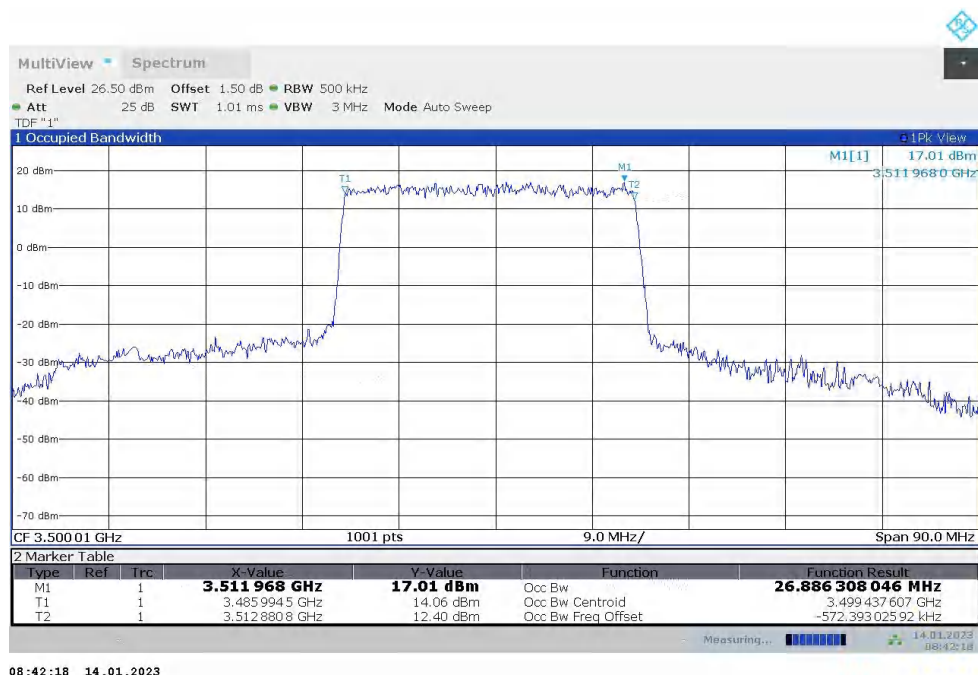
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	26.839	26.886	27.026

n78,30MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



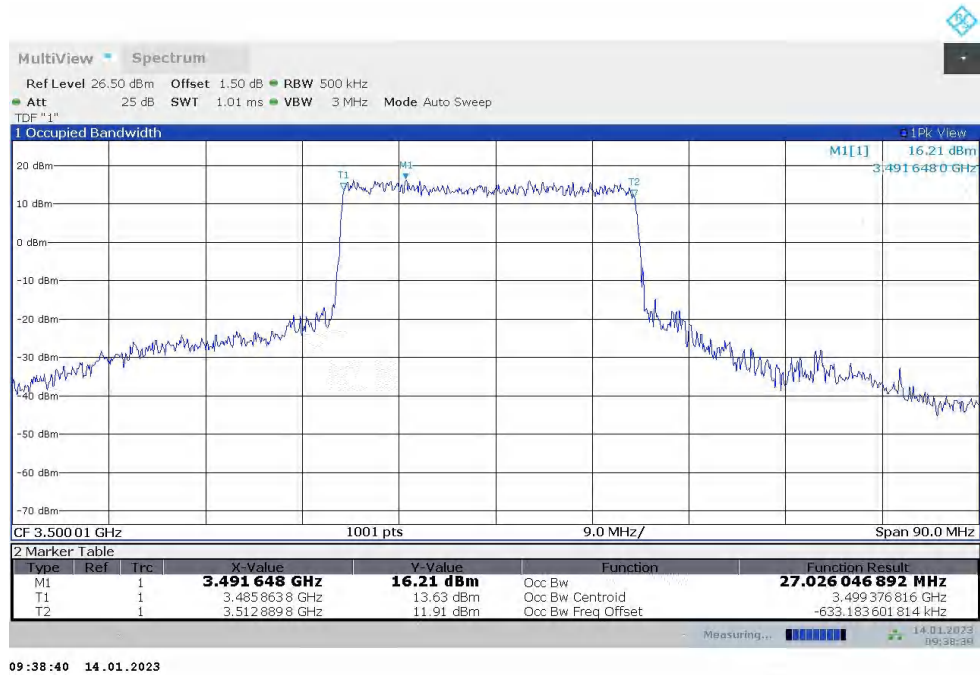
08:42:02 14.01.2023

n78,30MHz Bandwidth,DFT-s-QPSK (99% BW)



08:42:18 14.01.2023

n78,30MHz Bandwidth,DFT-s-16QAM (99% BW)

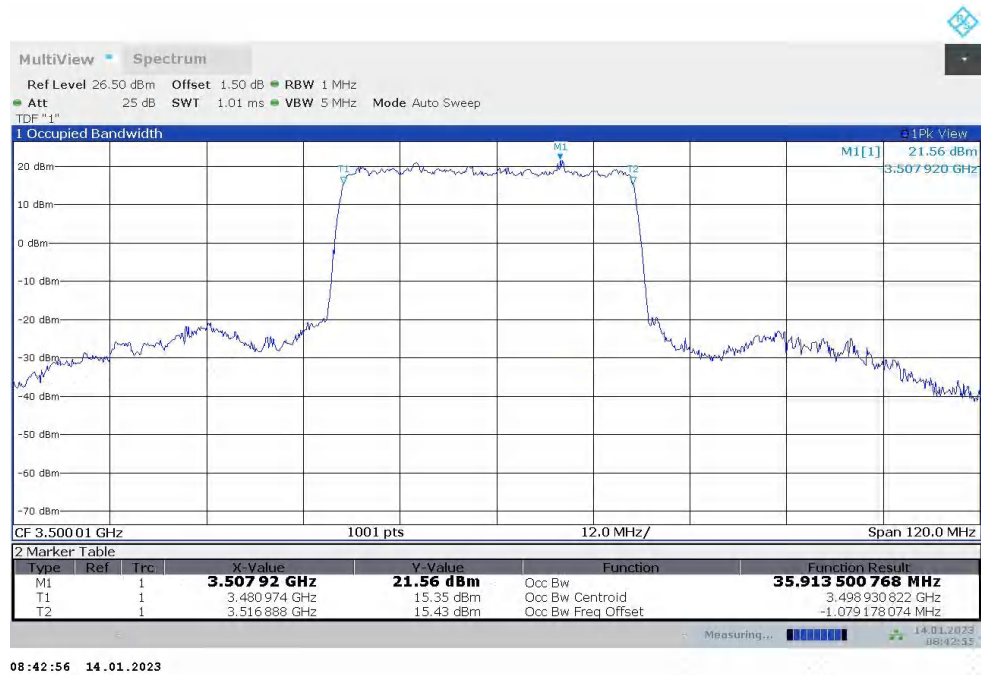


n78

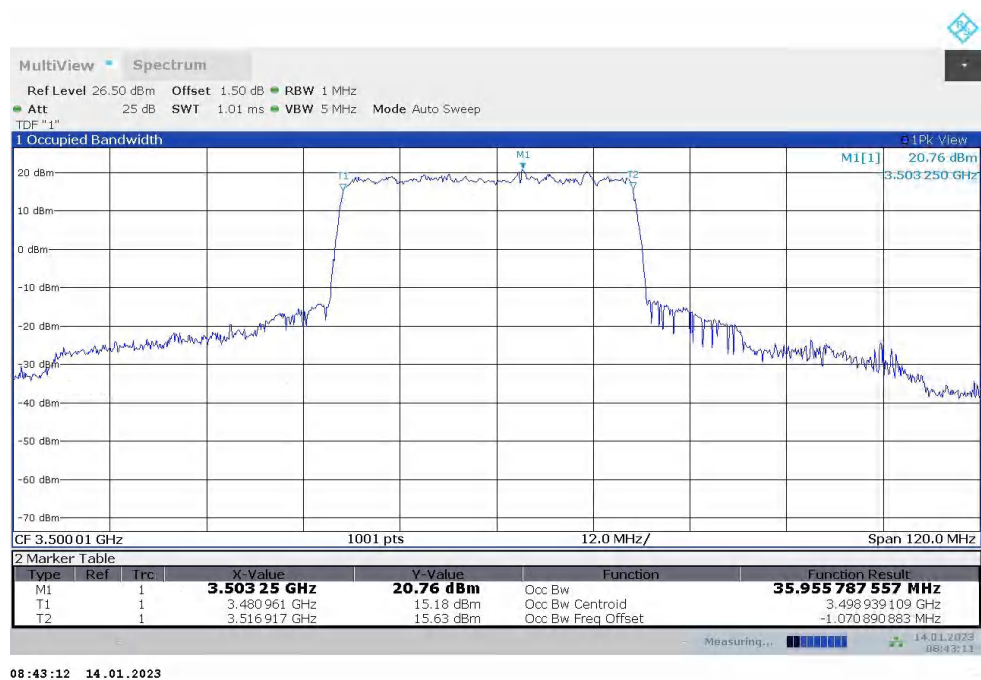
n78,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	35.914	35.956	36.071

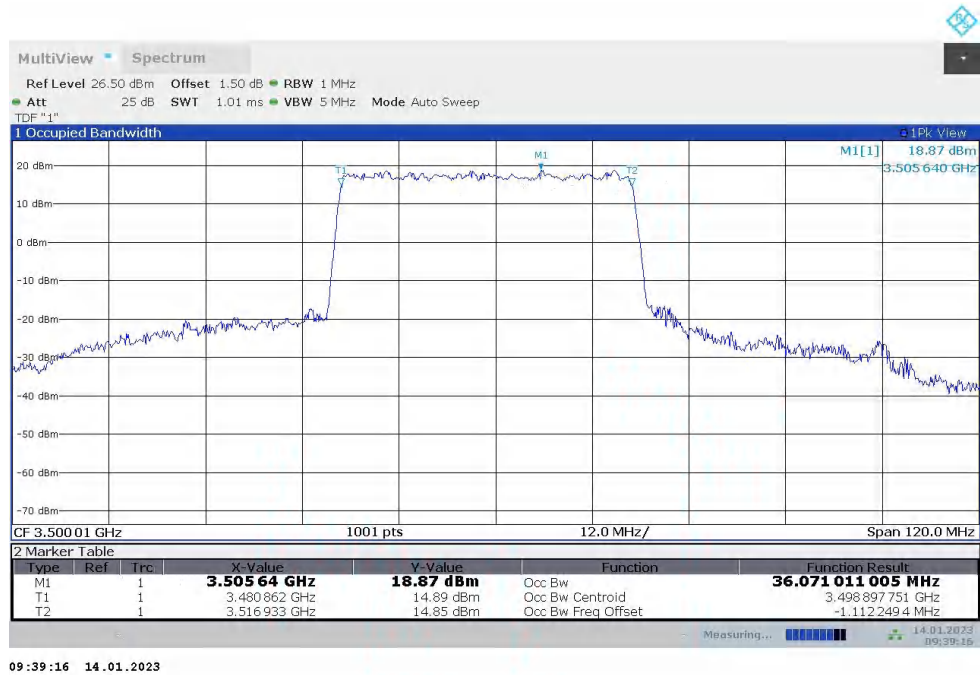
n78,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n78,40MHz Bandwidth,DFT-s-QPSK (99% BW)



n78,40MHz Bandwidth,DFT-s-16QAM (99% BW)

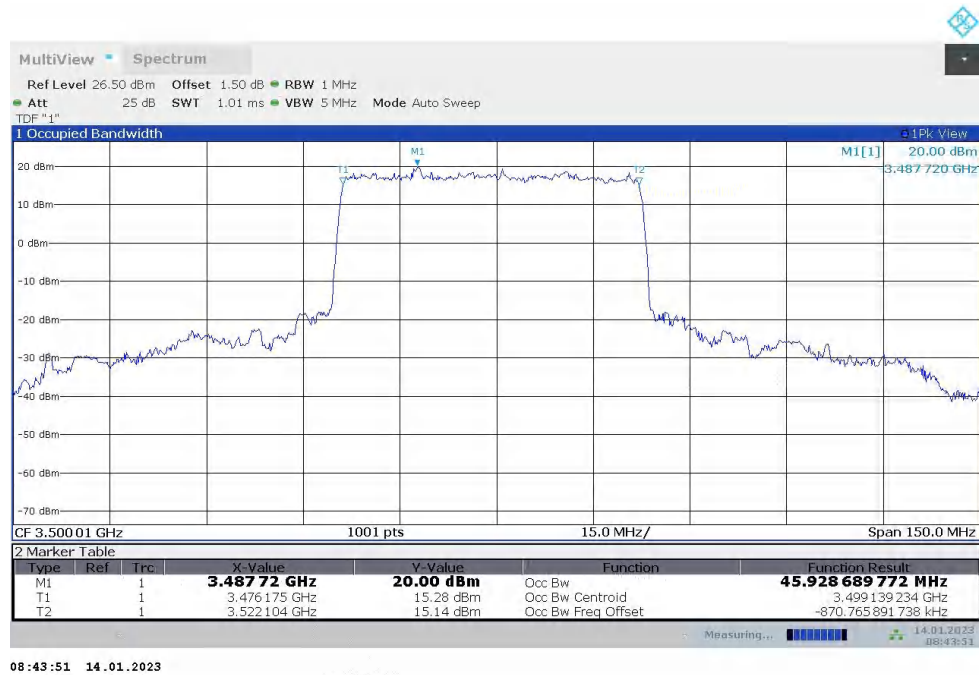


n78

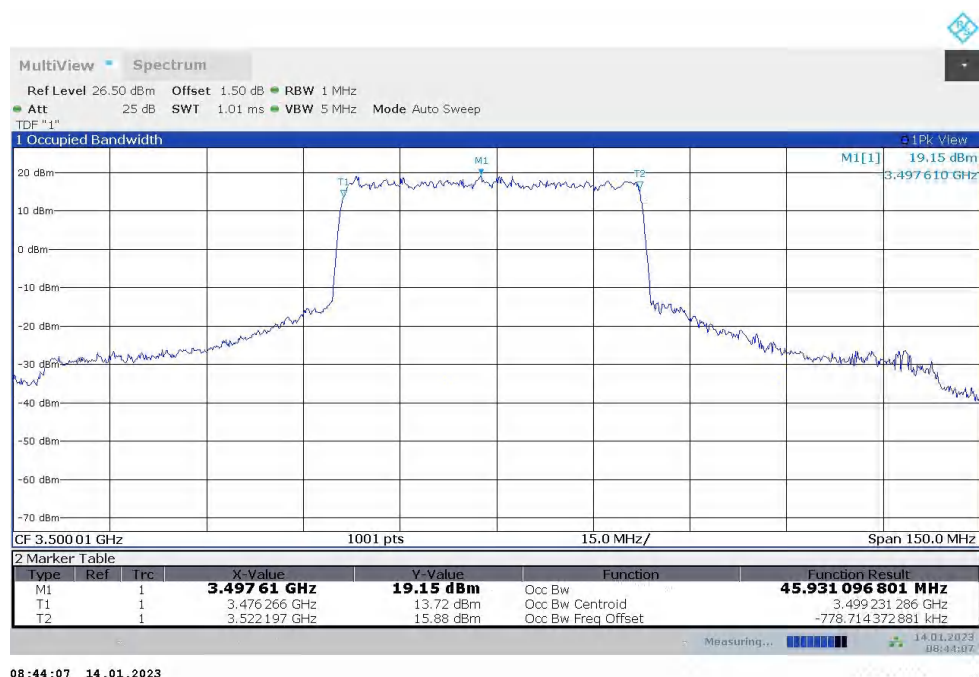
n78,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	45.929	45.931	45.877

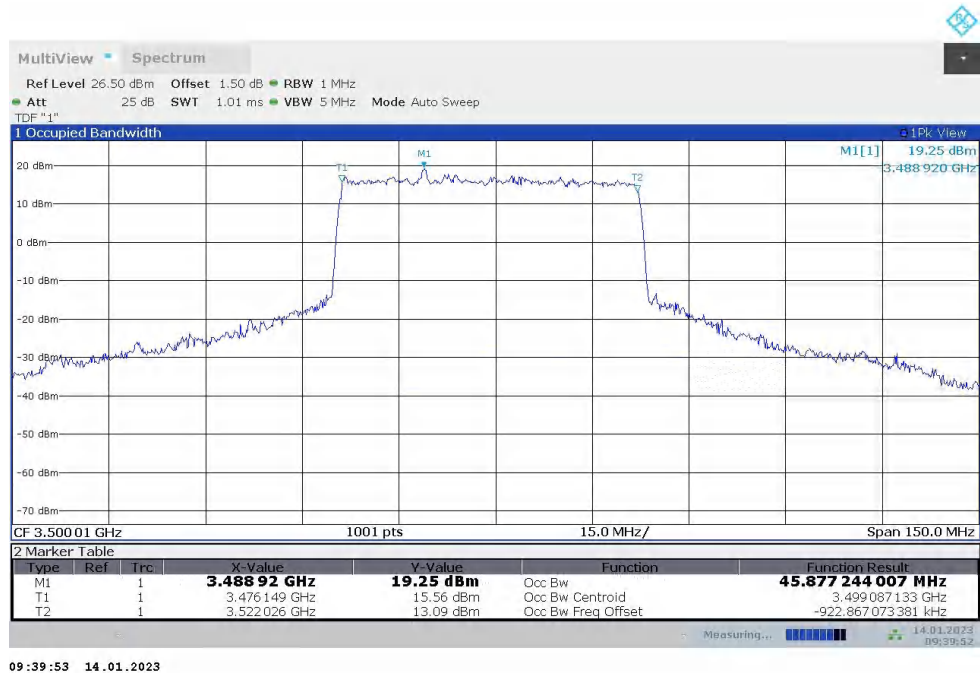
n78,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n78,50MHz Bandwidth,DFT-s-QPSK (99% BW)



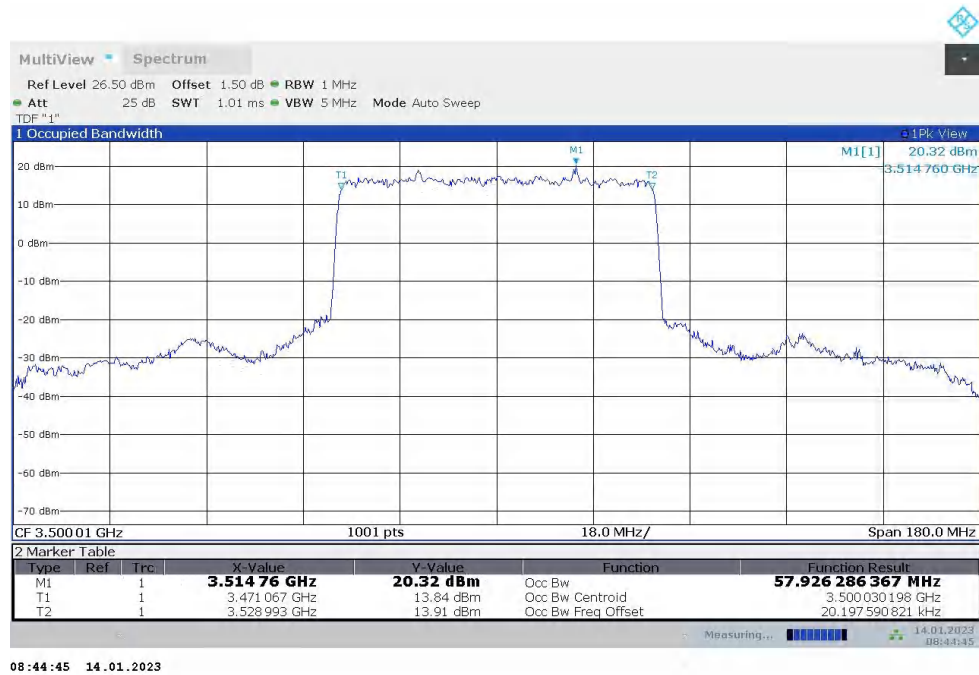
n78,50MHz Bandwidth,DFT-s-16QAM (99% BW)



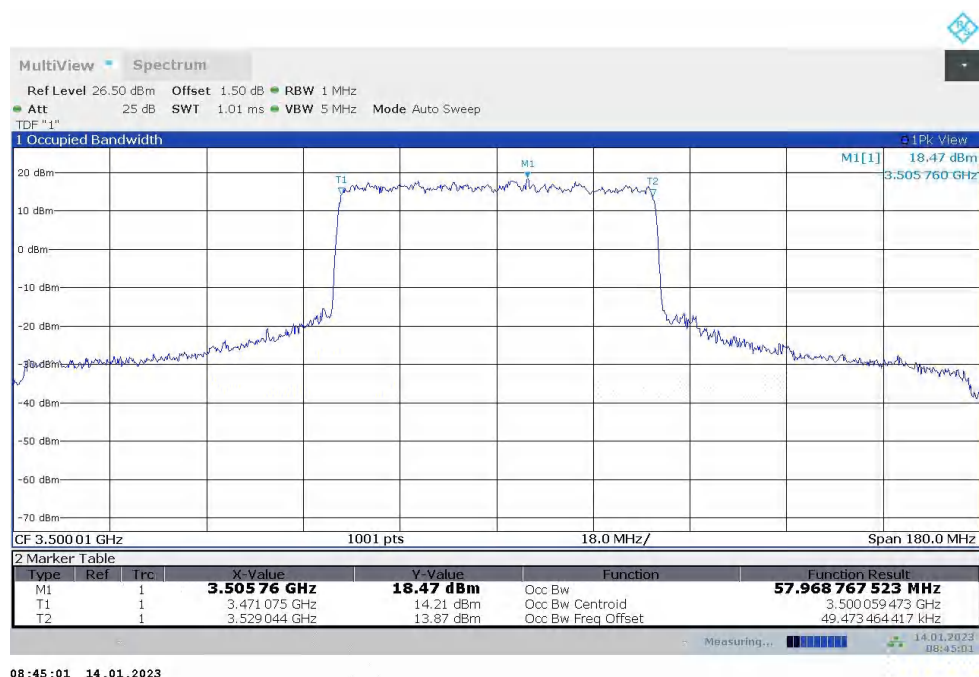
n78
n78,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	57.926	57.969	58.050

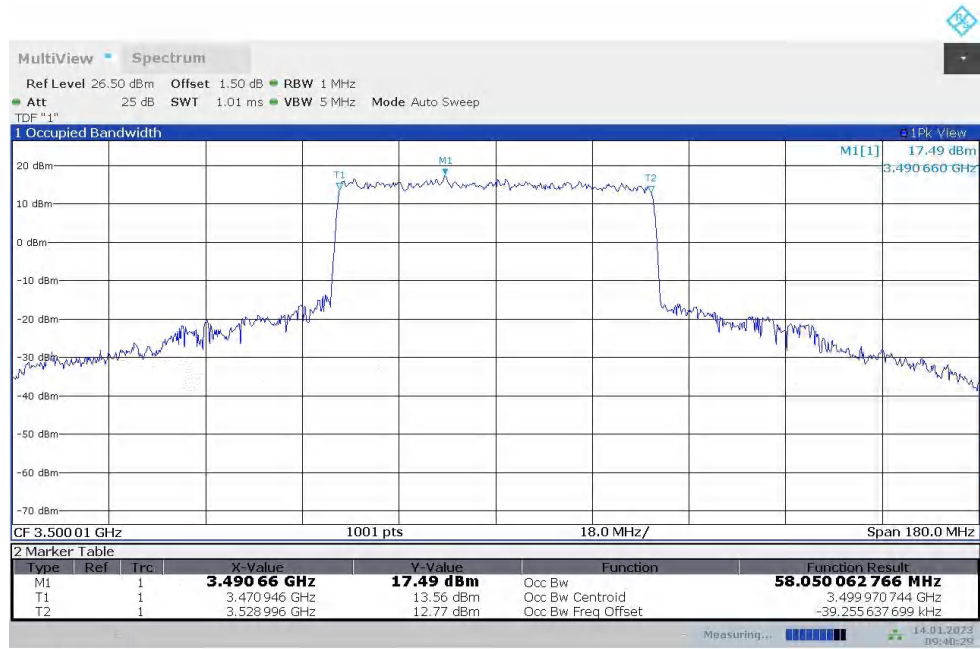
n78,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n78,60MHz Bandwidth,DFT-s-QPSK (99% BW)



n78,60MHz Bandwidth,DFT-s-16QAM (99% BW)



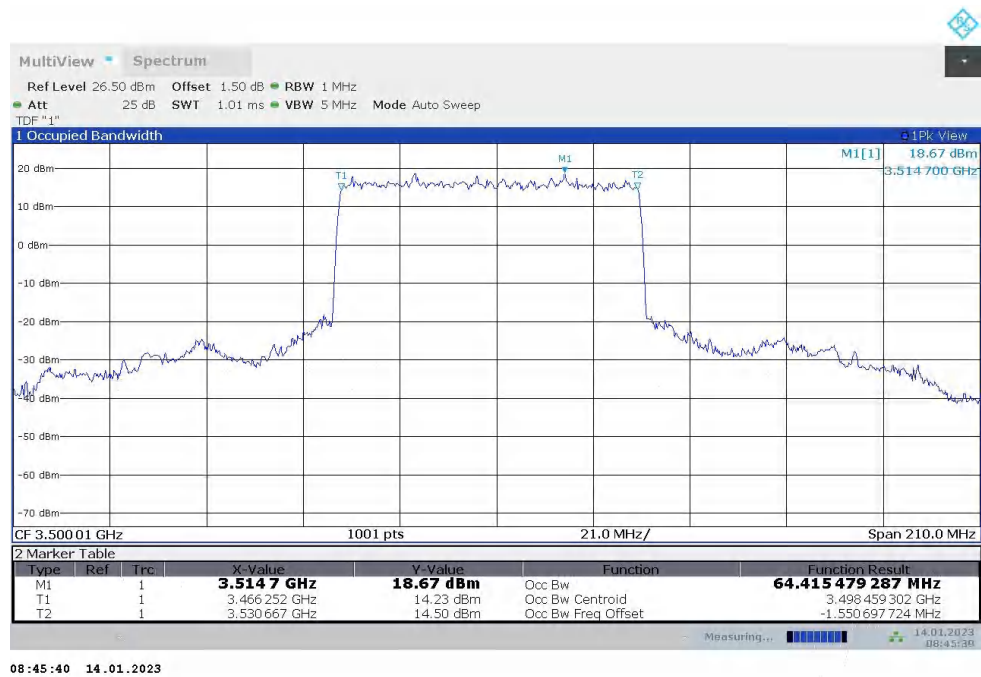
09:40:29 14.01.2023

n78

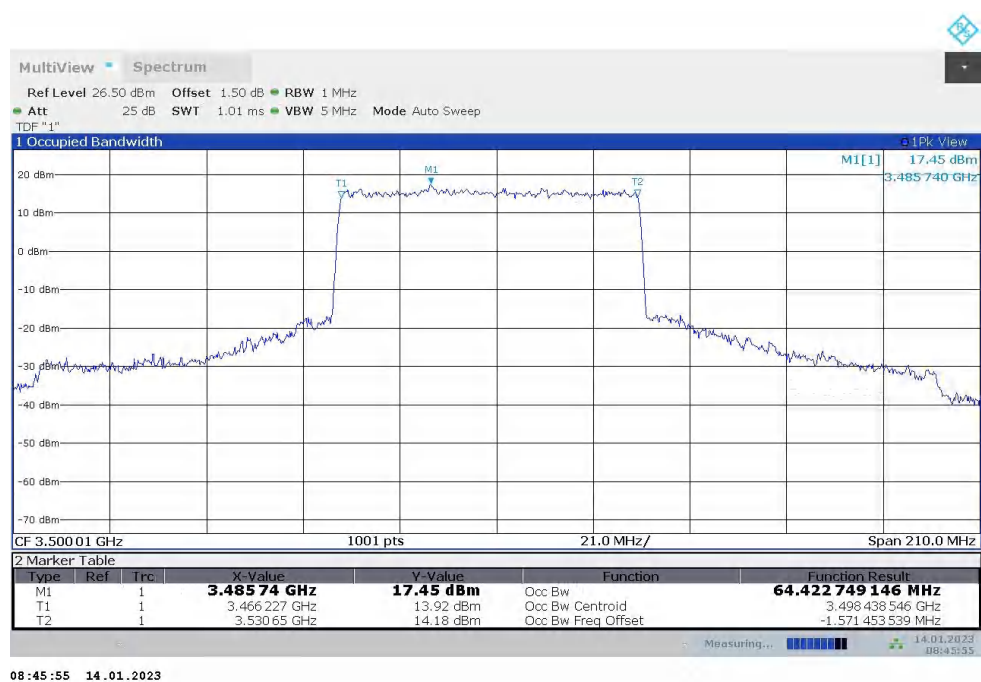
n78,70MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	64.415	64.423	64.264

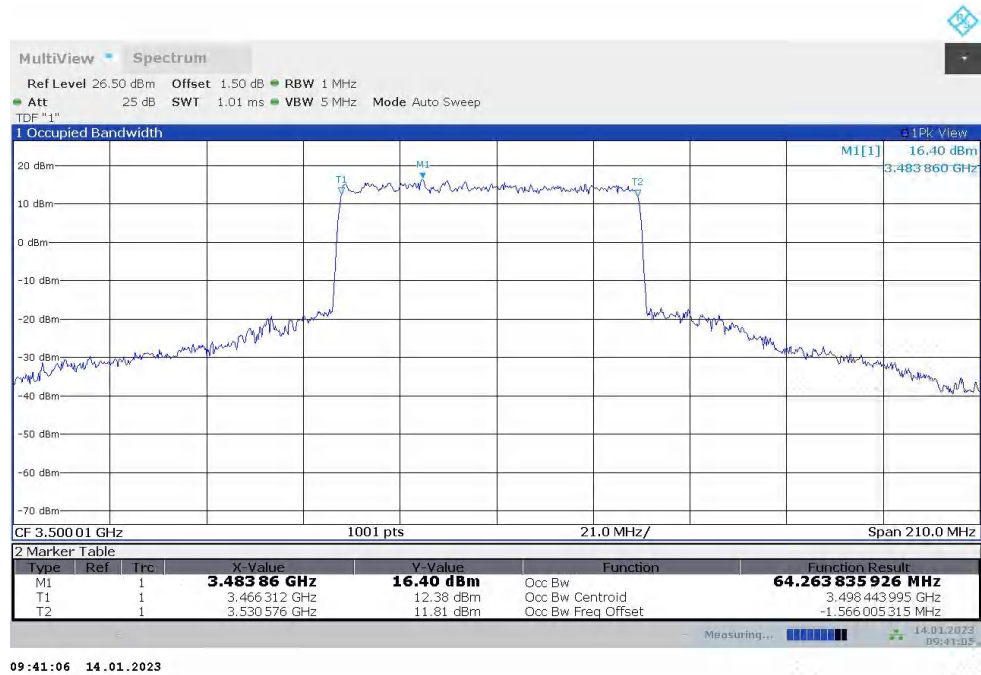
n78,70MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n78,70MHz Bandwidth,DFT-s-QPSK (99% BW)



n78,70MHz Bandwidth,DFT-s-16QAM (99% BW)



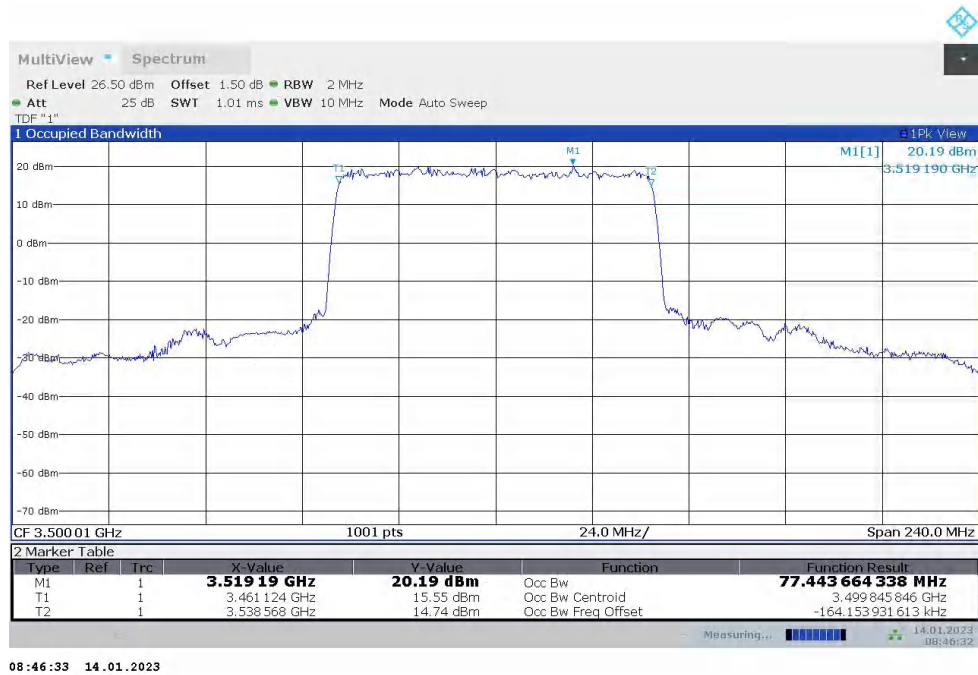
09:41:06 14.01.2023

n78

n78,80MHz(99%)

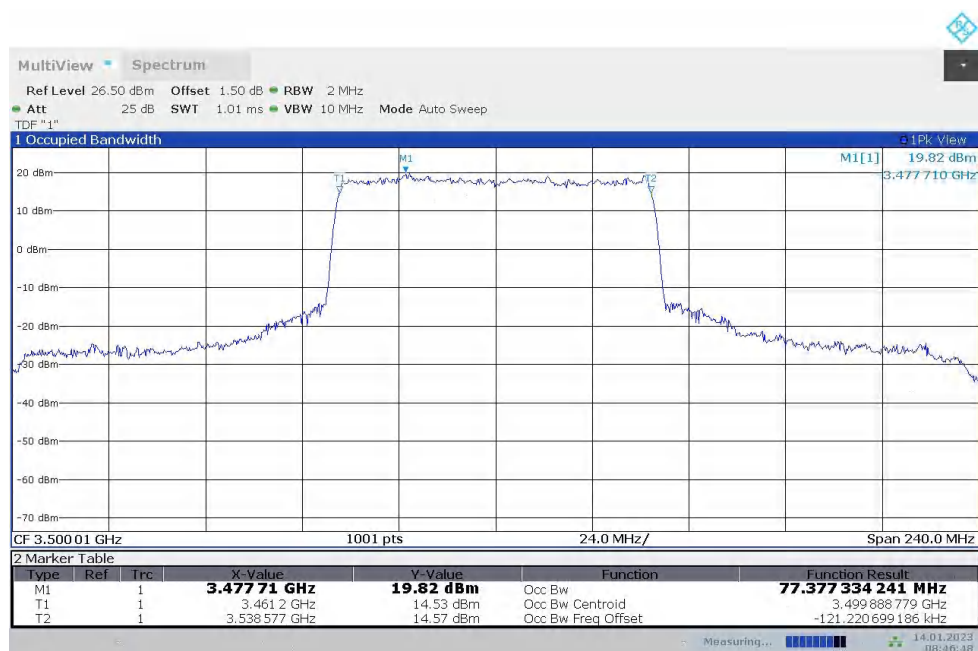
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	77.444	77.377	77.700

n78,80MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



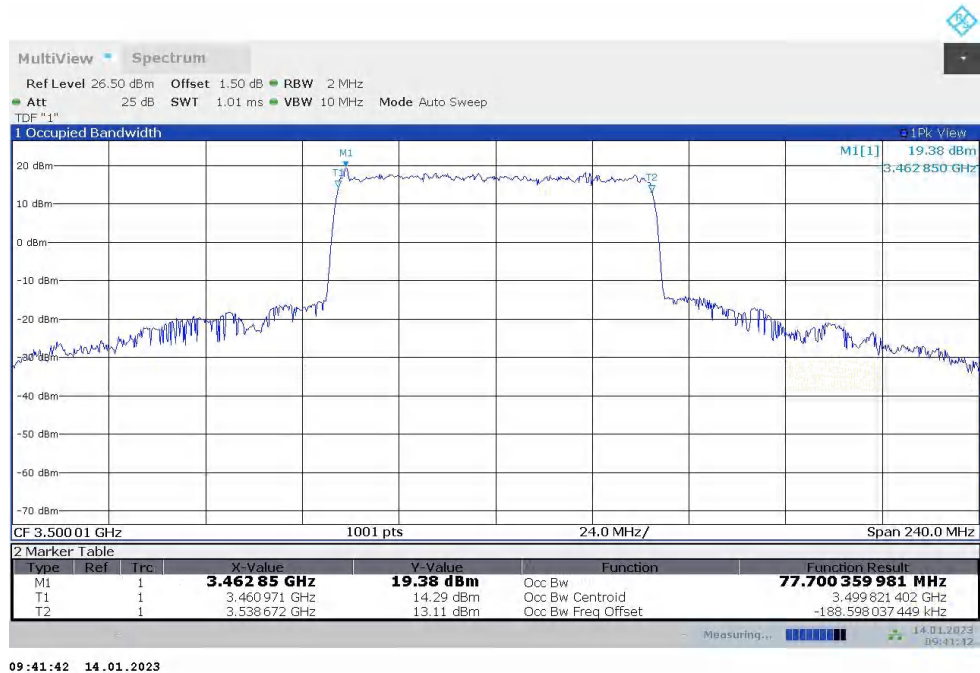
08:46:33 14.01.2023

n78,80MHz Bandwidth,DFT-s-QPSK (99% BW)



08:46:48 14.01.2023

n78,80MHz Bandwidth,DFT-s-16QAM (99% BW)

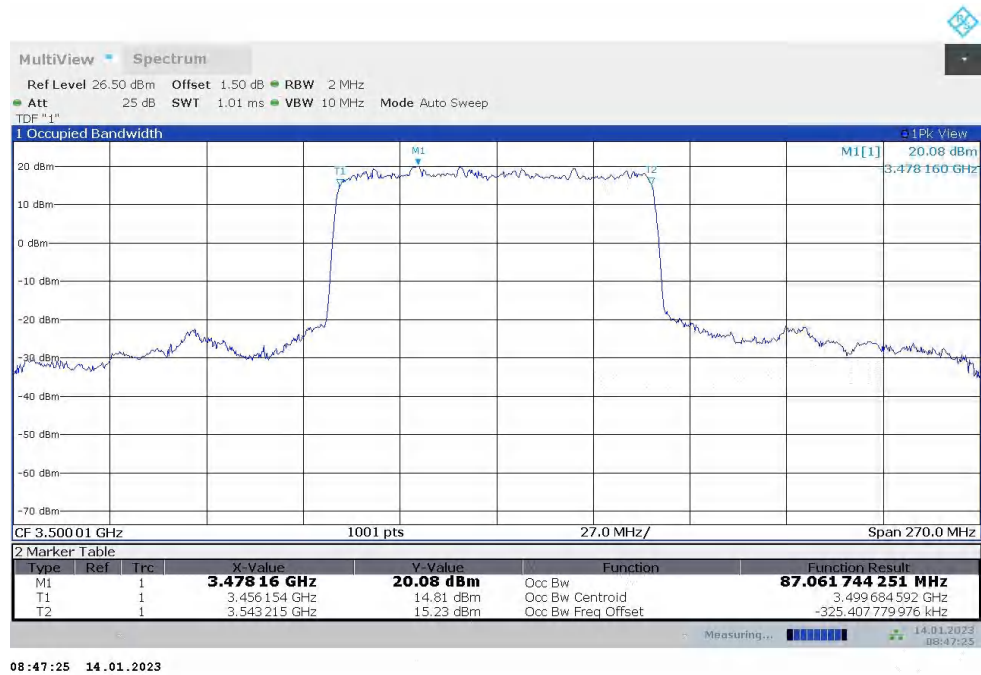


09:41:42 14.01.2023

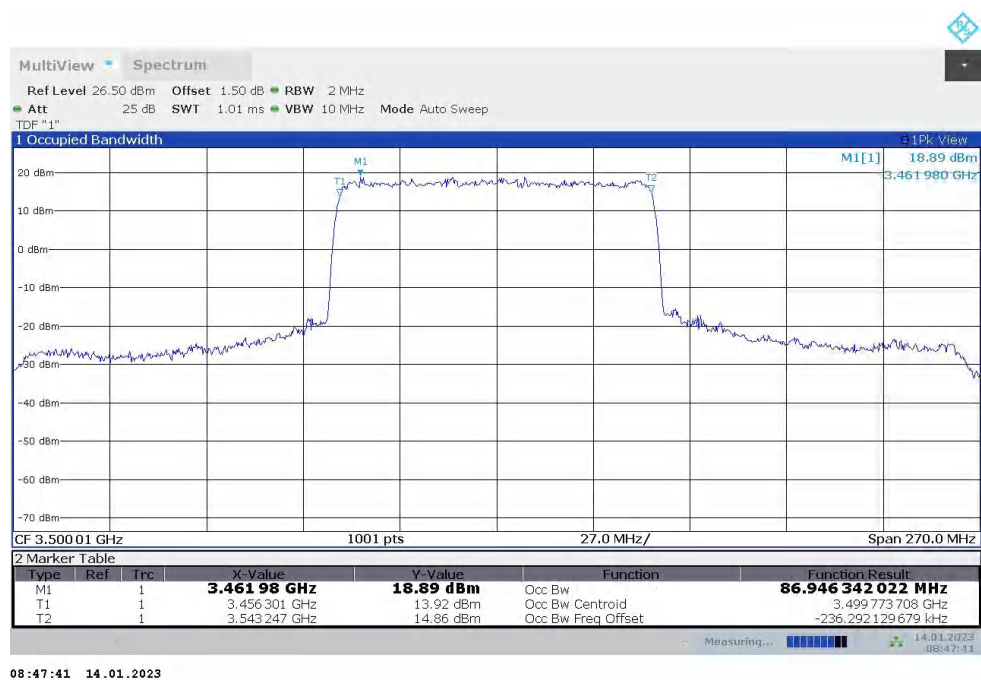
n78
n78,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	87.062	86.946	86.948

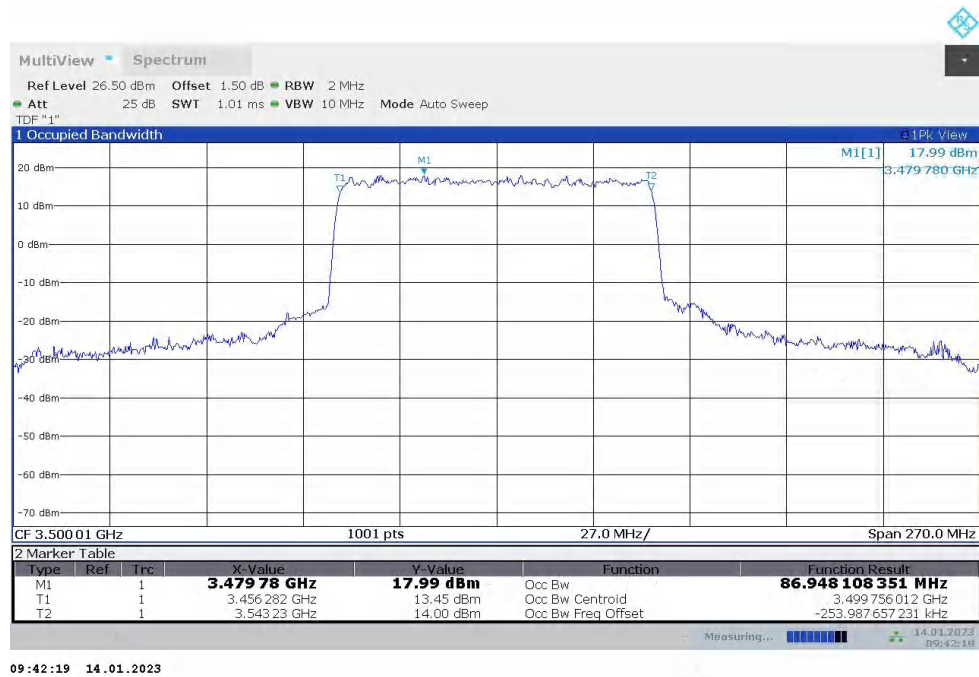
n78,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n78,90MHz Bandwidth,DFT-s-QPSK (99% BW)



n78,90MHz Bandwidth,DFT-s-16QAM (99% BW)



Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.626$ kHz, $k = 2$.



A.4 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 $\geq 3 \times \text{RBW}$.
- 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.

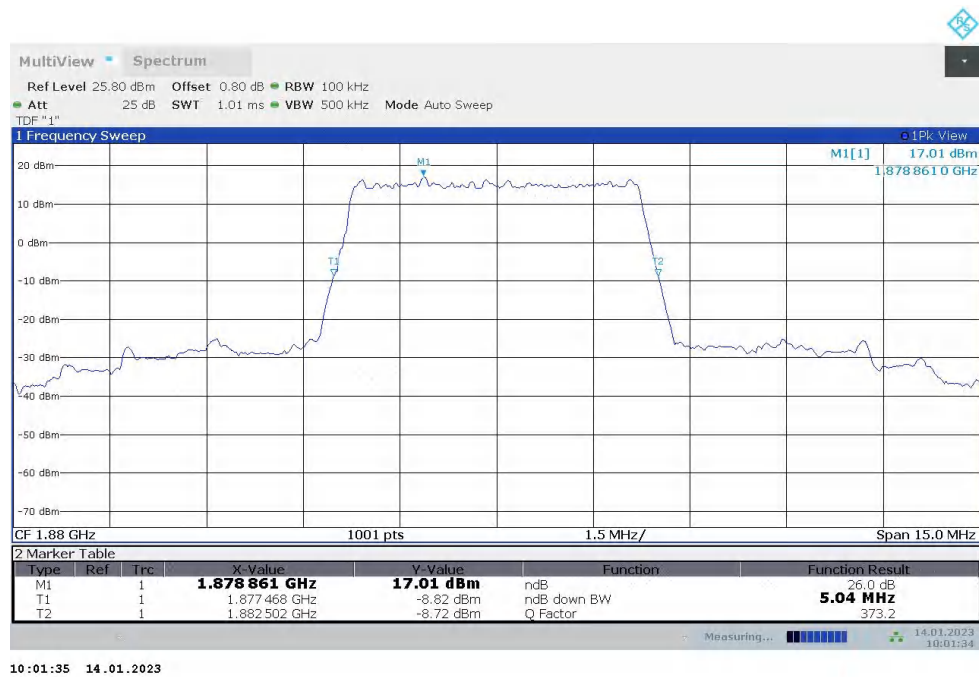


n2

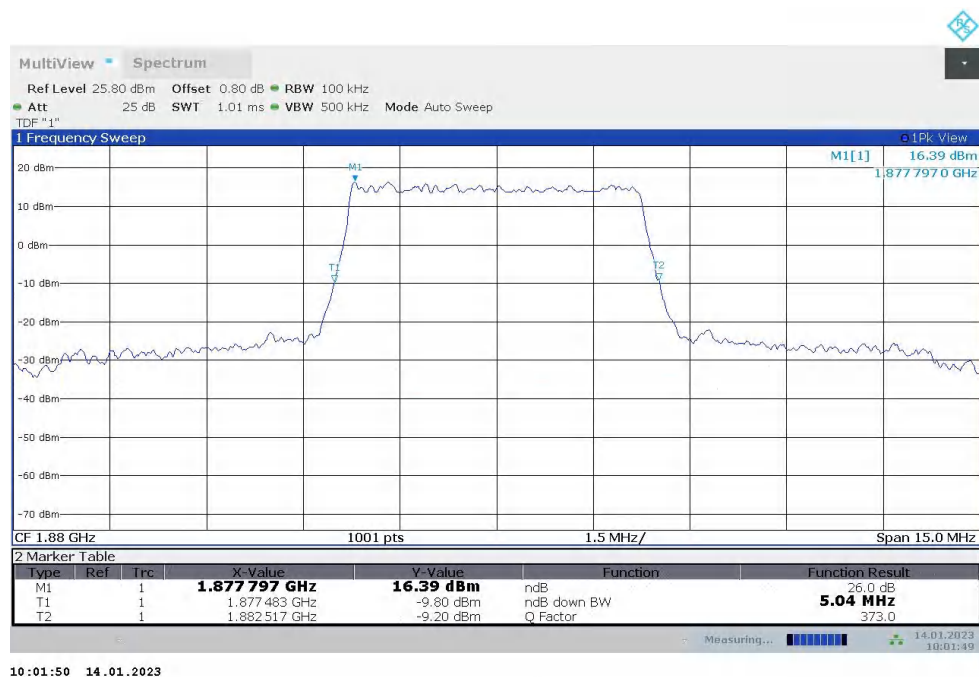
n2,5MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1880	5.035	5.035

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



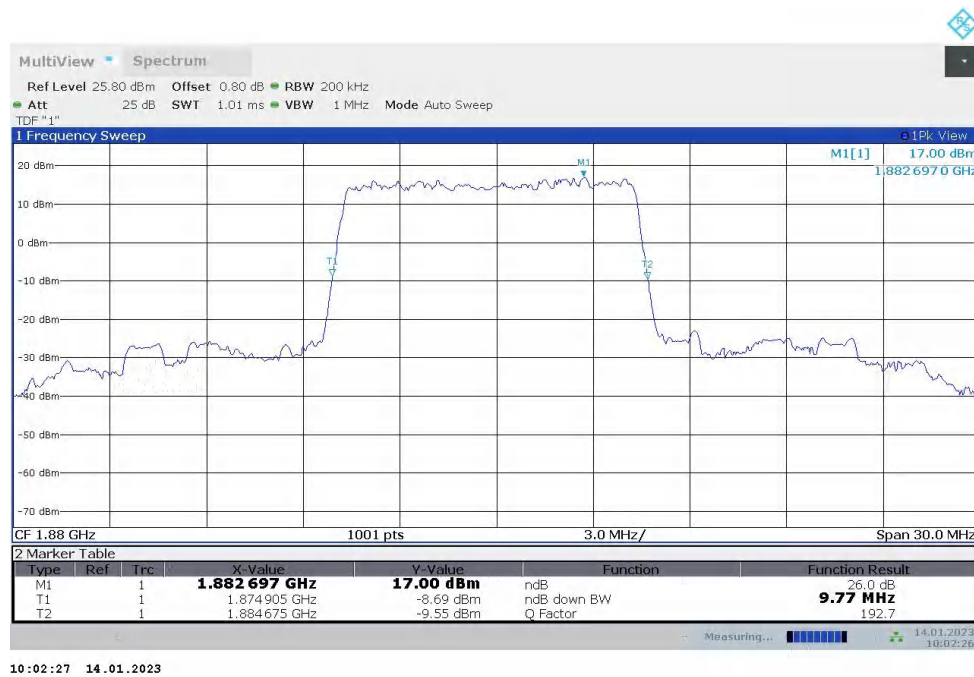
n2,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n2
n2,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1880	9.770	9.680

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



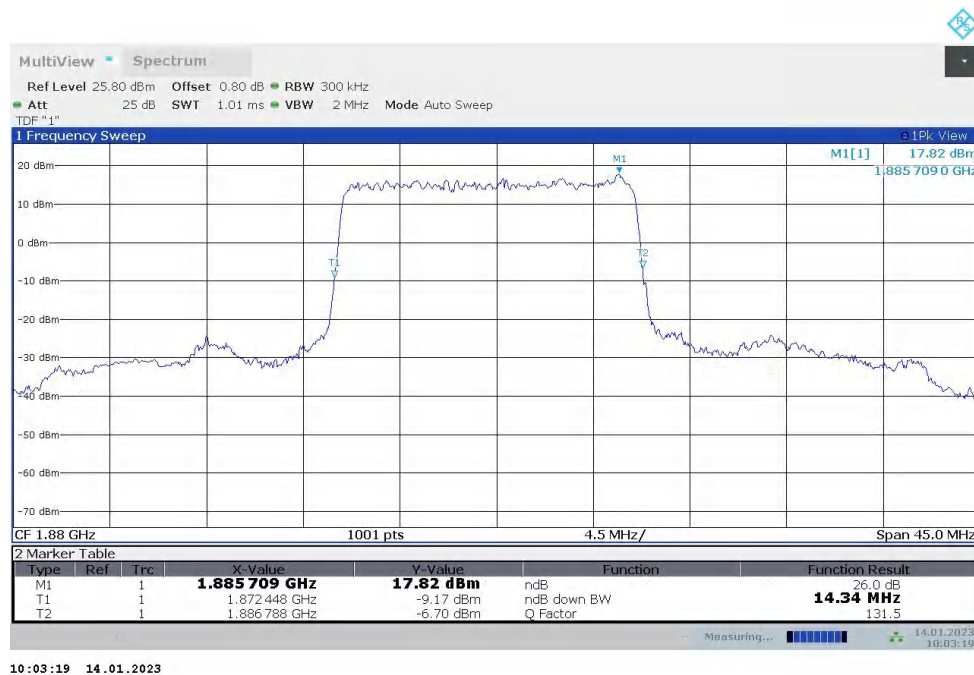
n2,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n2
n2,15MHz(-26dBc)

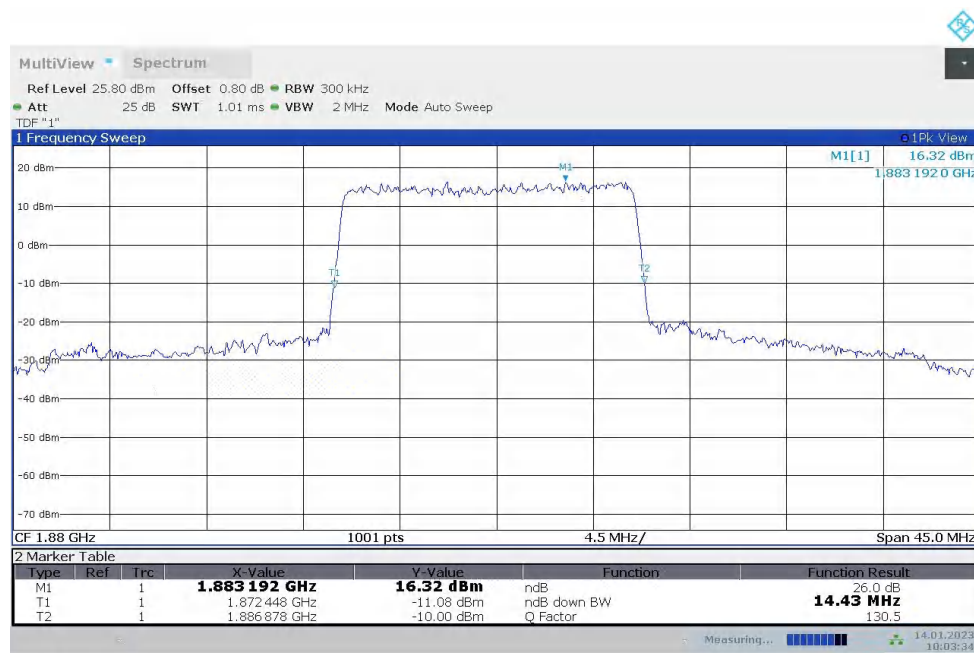
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1880	14.341	14.431

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



10:03:19 14.01.2023

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



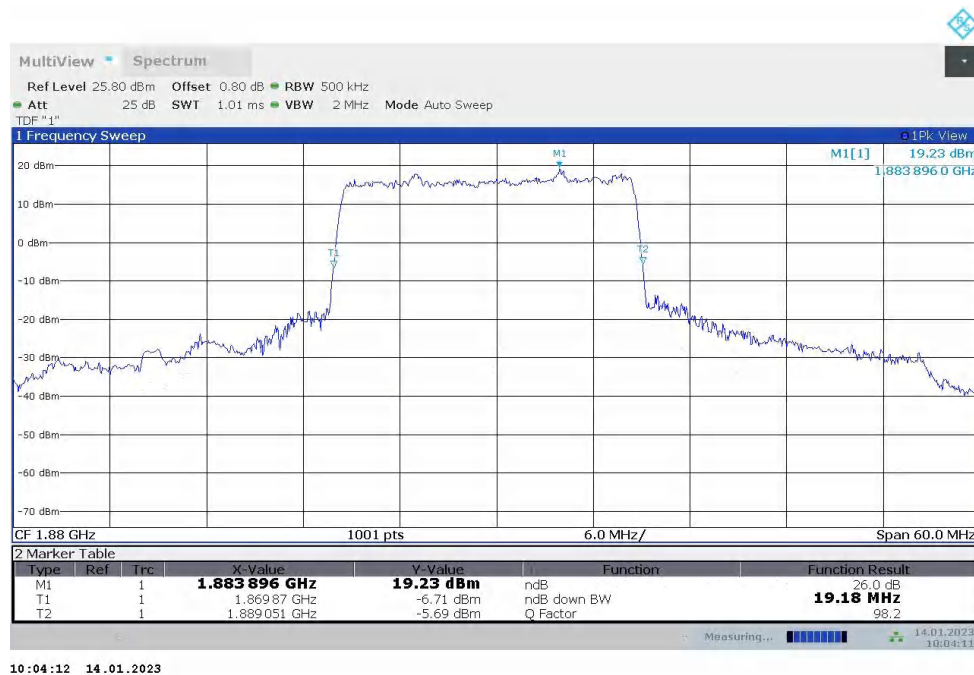
10:03:35 14.01.2023

n2

n2,20MHz(-26dBc)

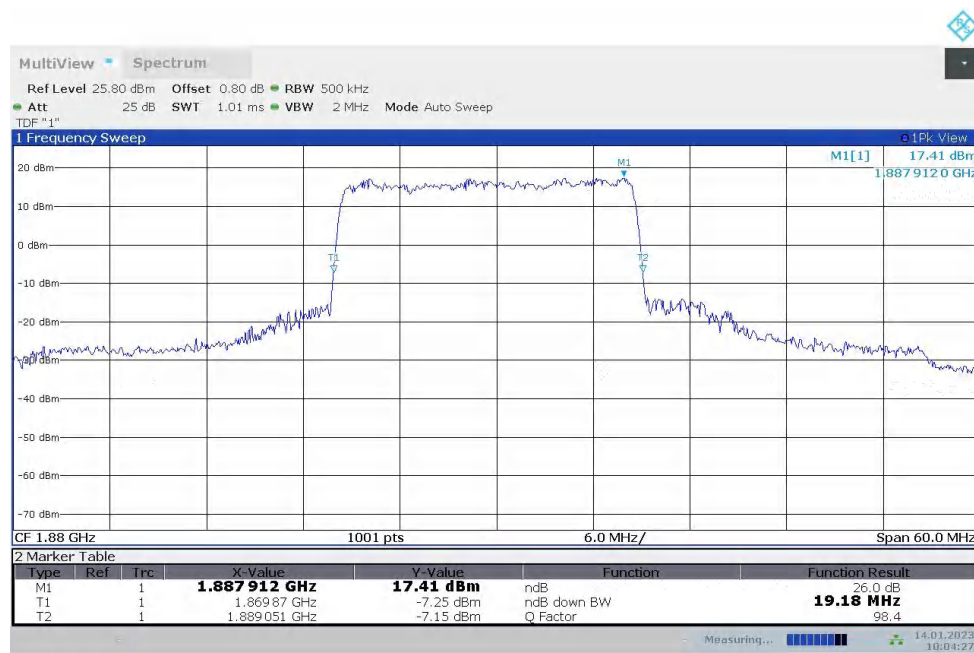
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1880	19.181	19.181

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



10:04:12 14.01.2023

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



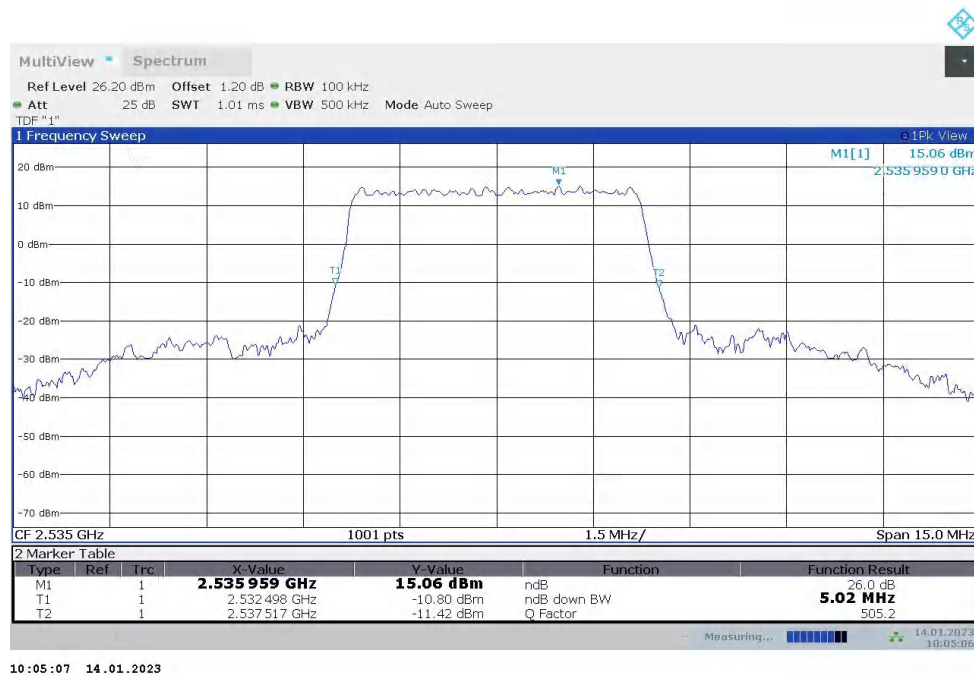
10:04:28 14.01.2023

n7

n7,5MHz(-26dBc)

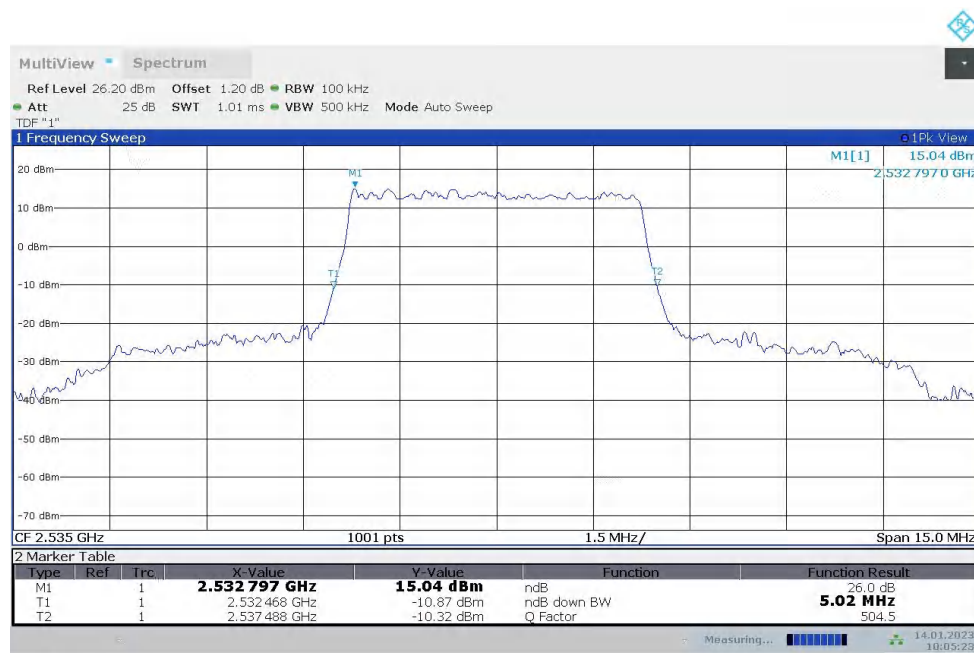
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	5.020	5.020

n7,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



10:05:07 14.01.2023

n7,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



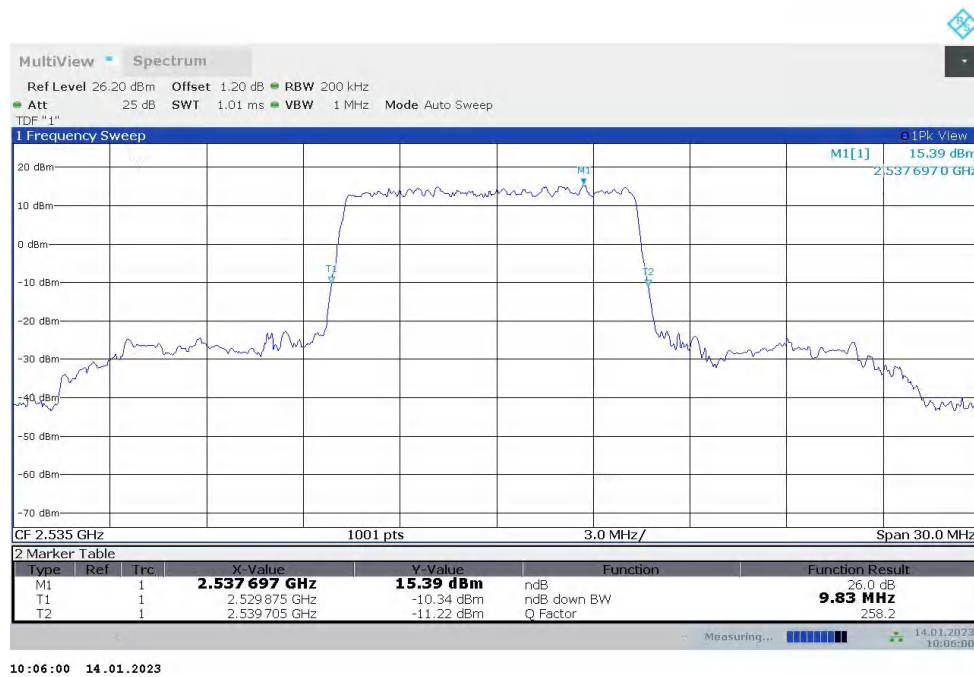
10:05:23 14.01.2023

n7

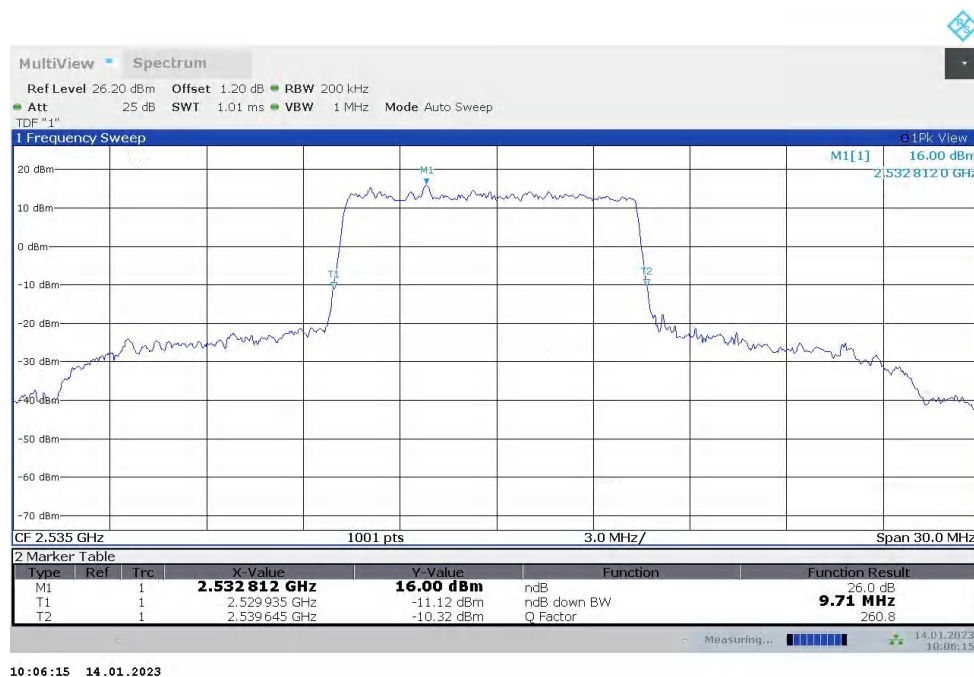
n7,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	9.830	9.710

n7,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n7,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n7

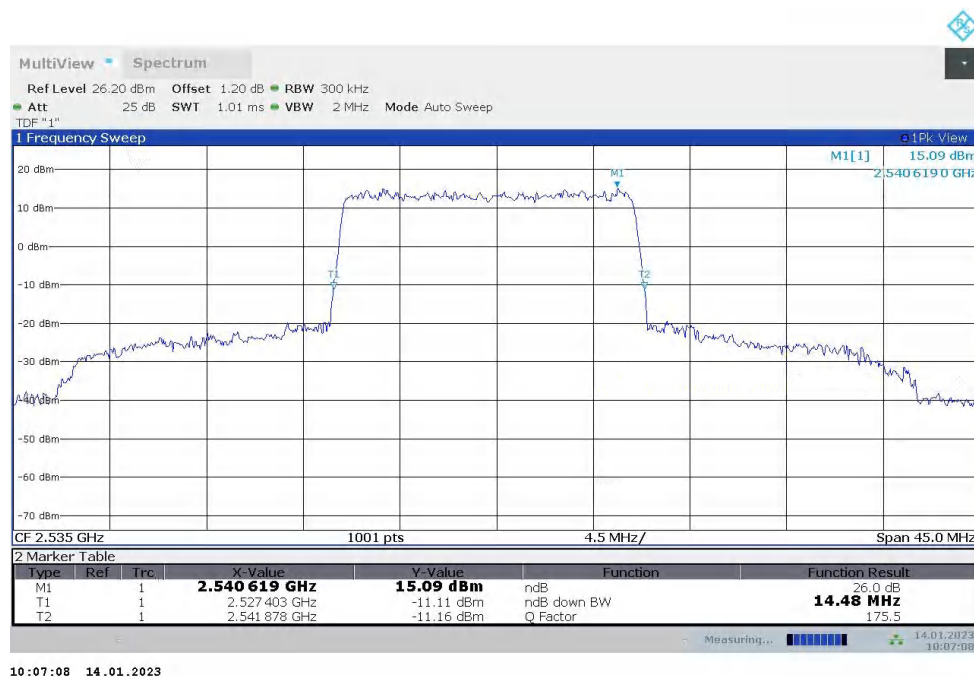
n7,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	14.341	14.476

n7,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n7,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

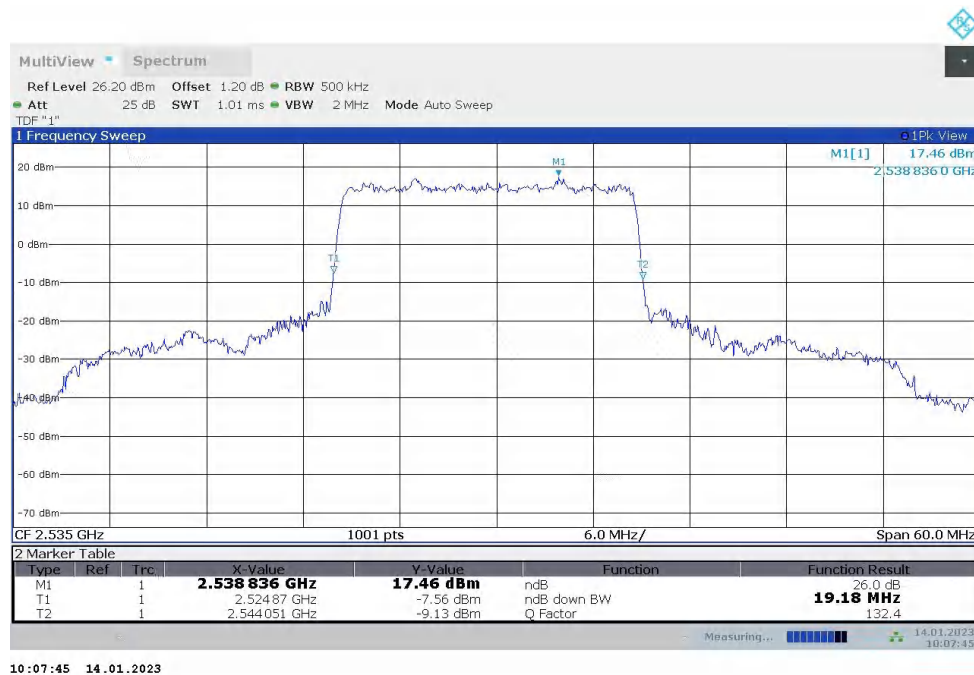


n7

n7,20MHz(-26dBc)

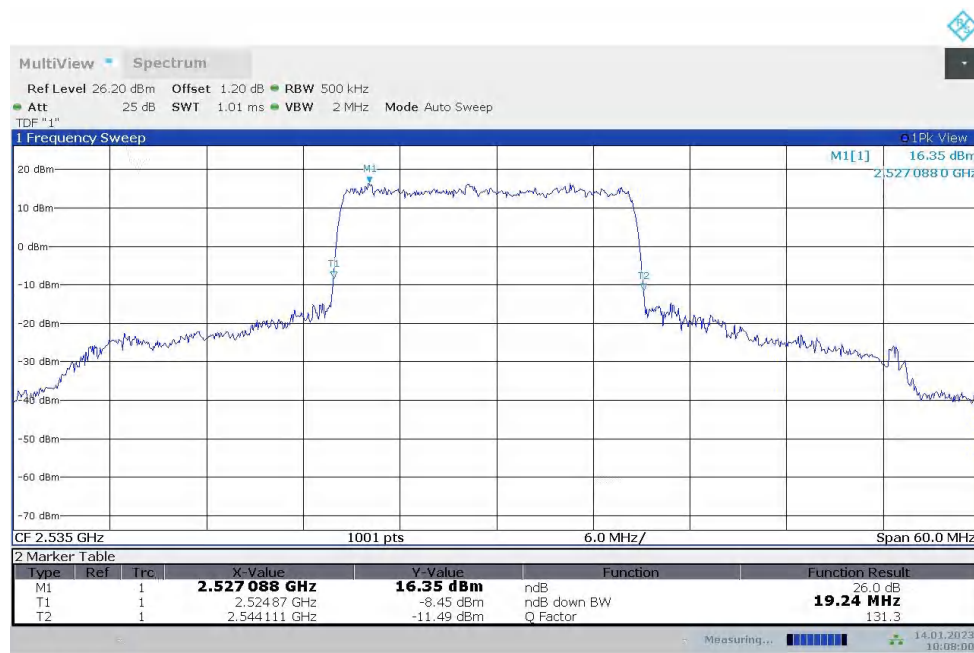
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	19.181	19.241

n7,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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n7,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



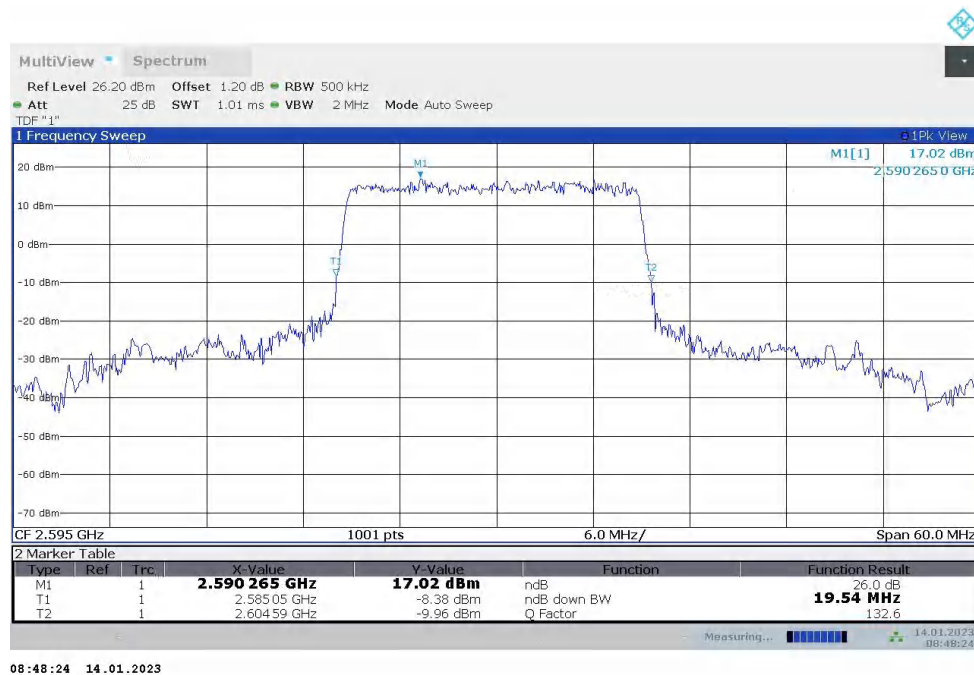
10:08:00 14.01.2023

n38

n38,20MHz(-26dBc)

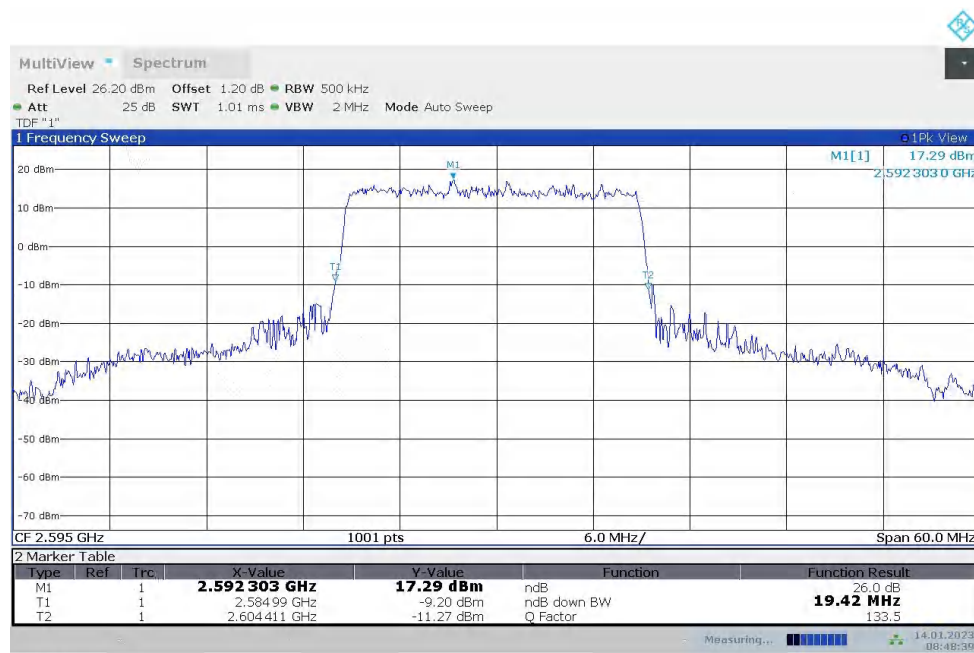
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2595	19.540	19.421

n38,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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n38,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



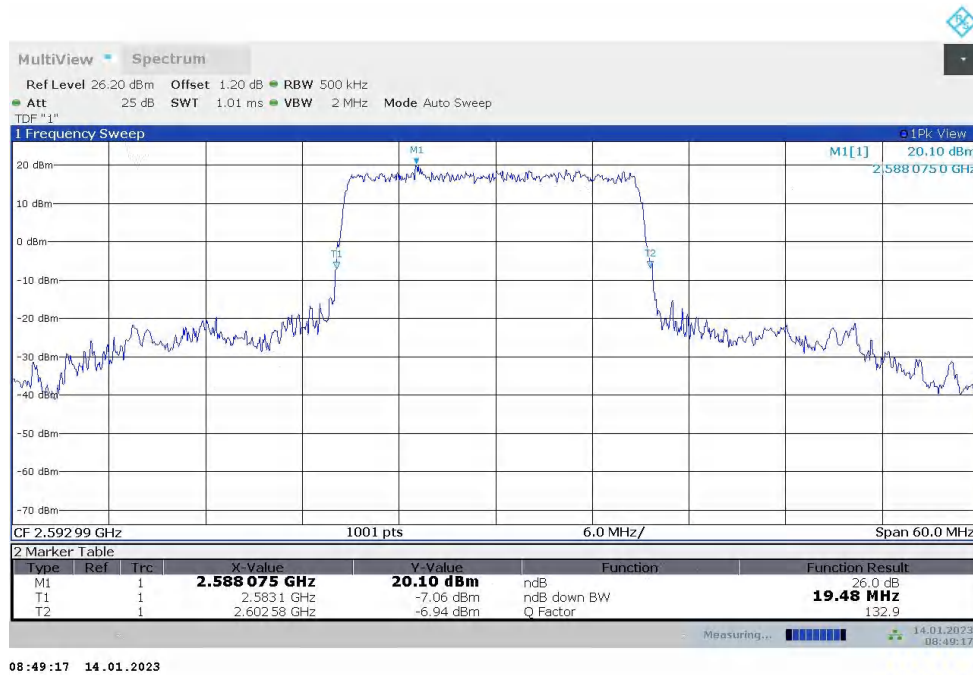
08:48:39 14.01.2023

n41

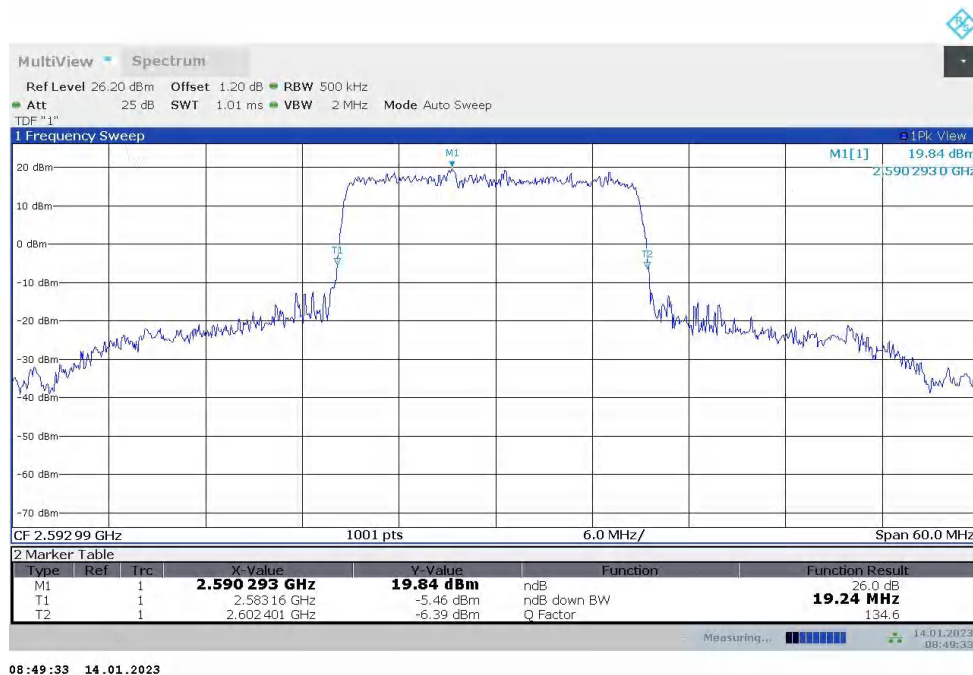
n41,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	19.481	19.241

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



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

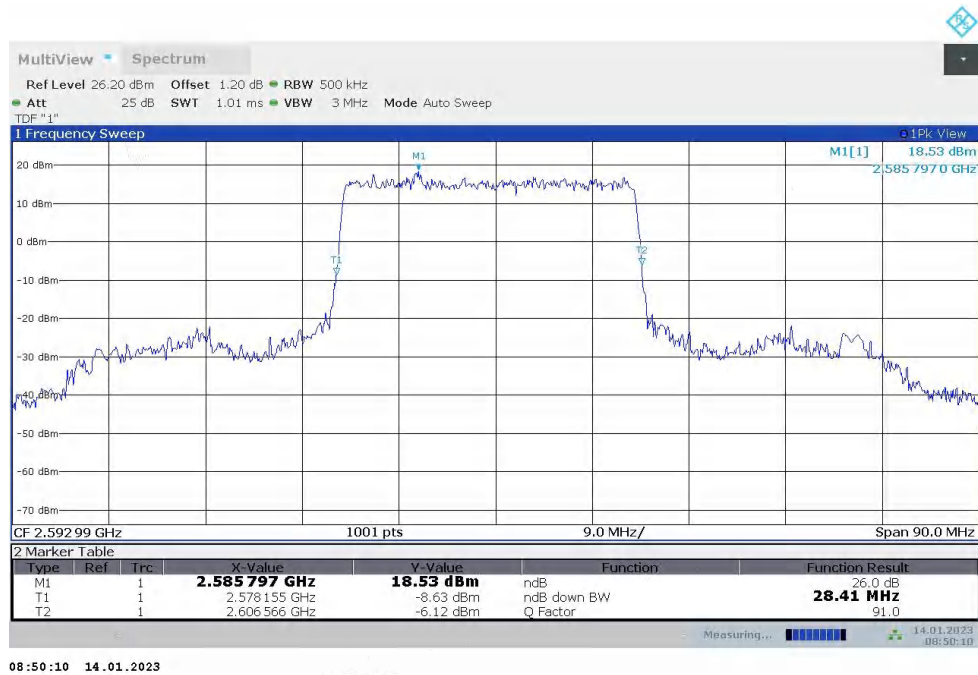


n41

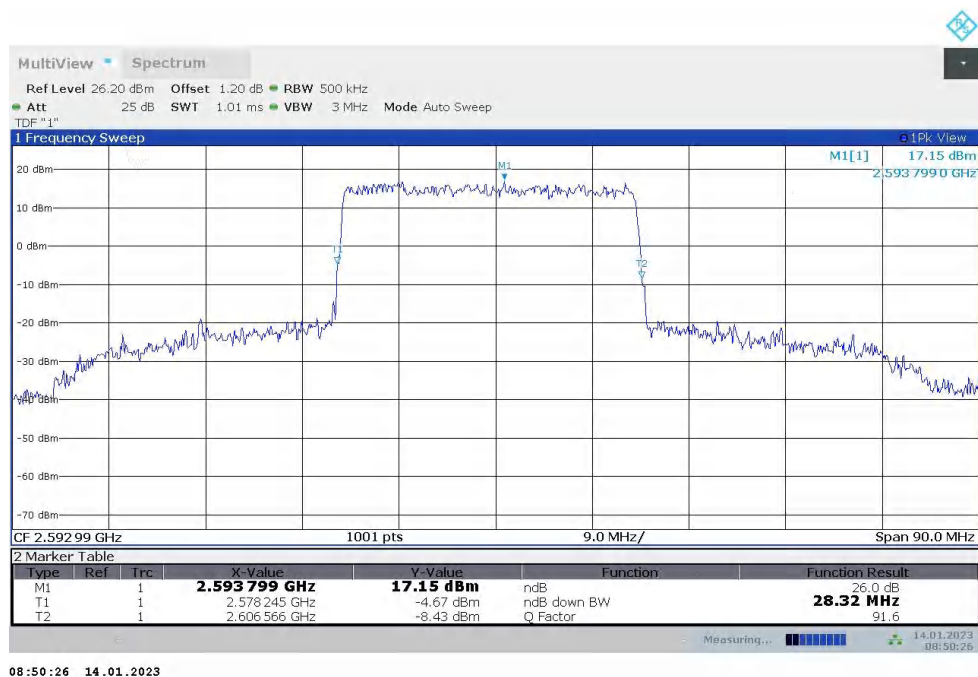
n41,30MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	28.412	28.322

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



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

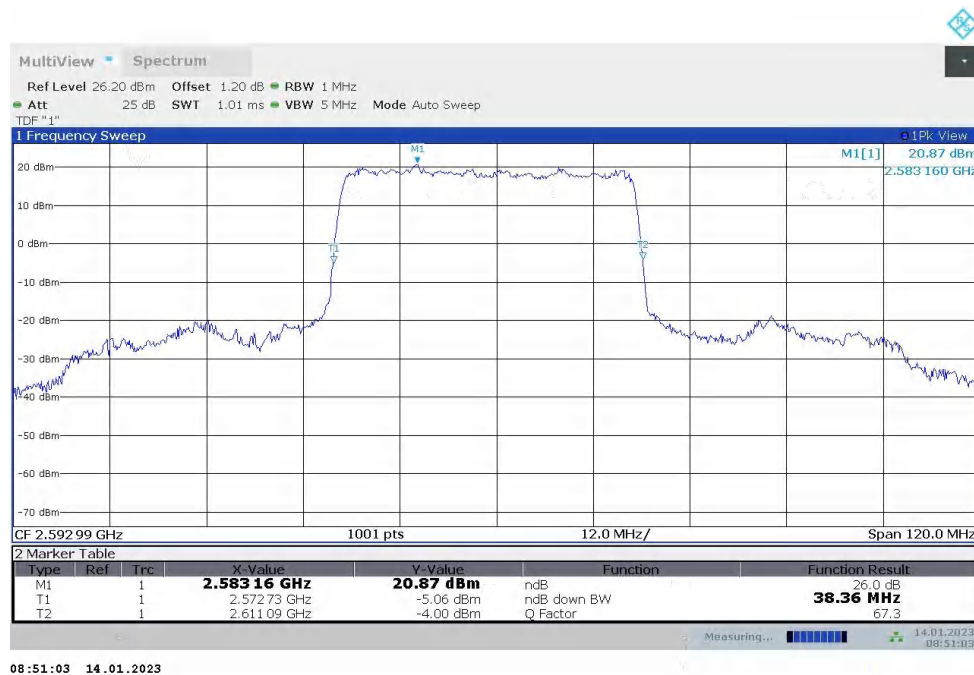


n41

n41,40MHz(-26dBc)

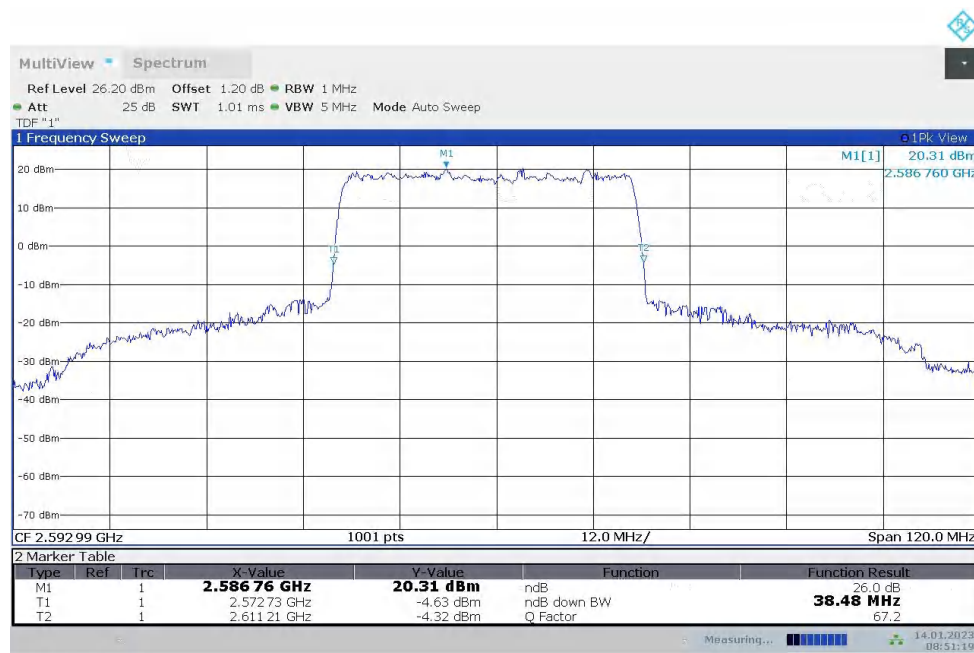
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	38.360	38.480

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



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



08:51:19 14.01.2023

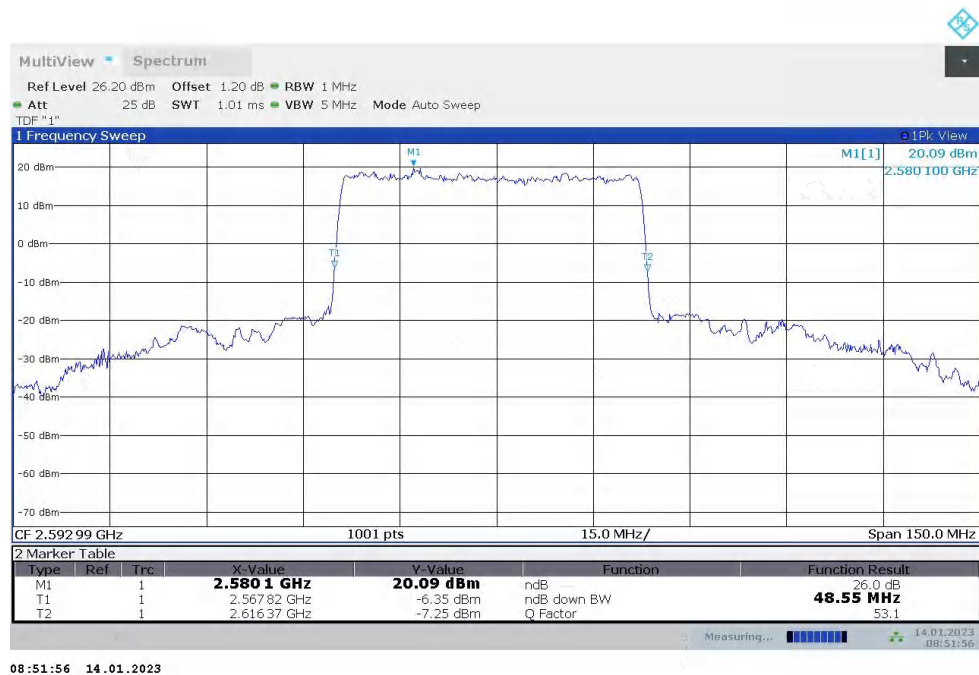


n41

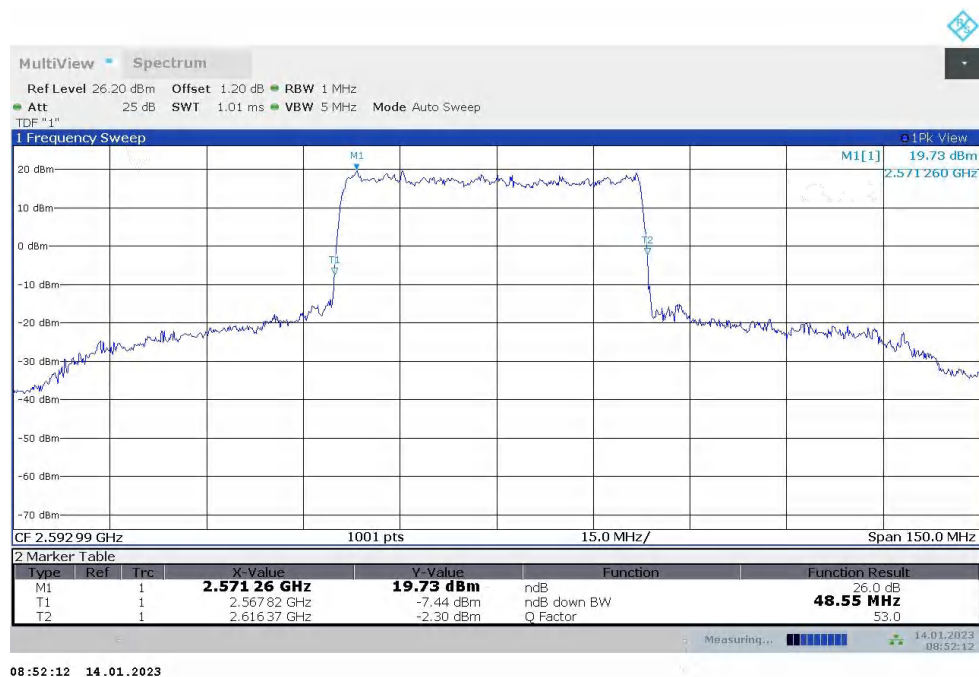
n41,50MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	48.550	48.550

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



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

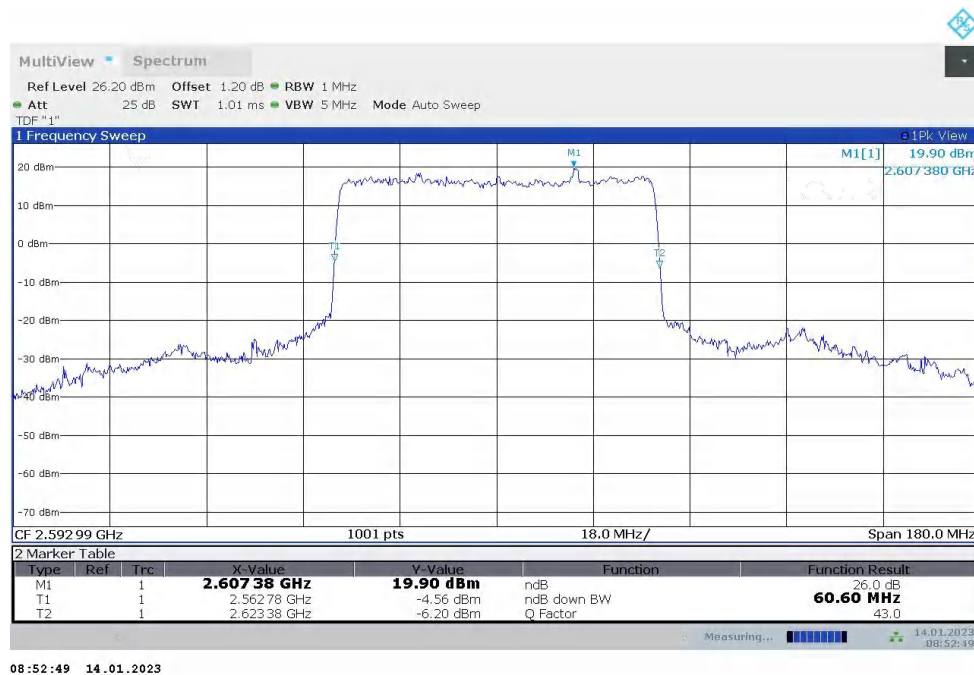


n41

n41,60MHz(-26dBc)

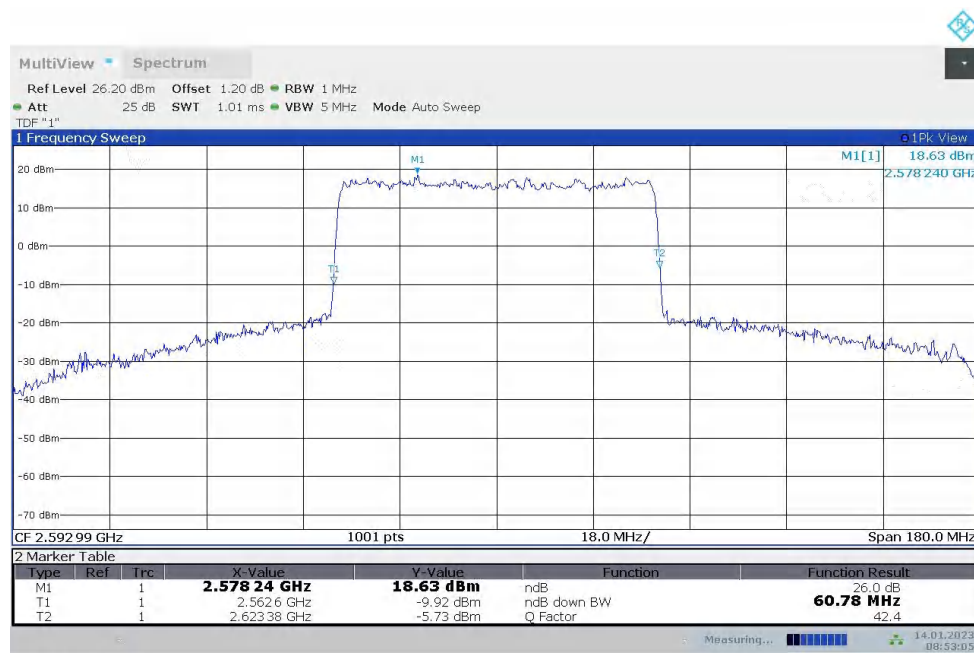
Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	60.600	60.780

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



08:52:49 14.01.2023

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



08:53:05 14.01.2023