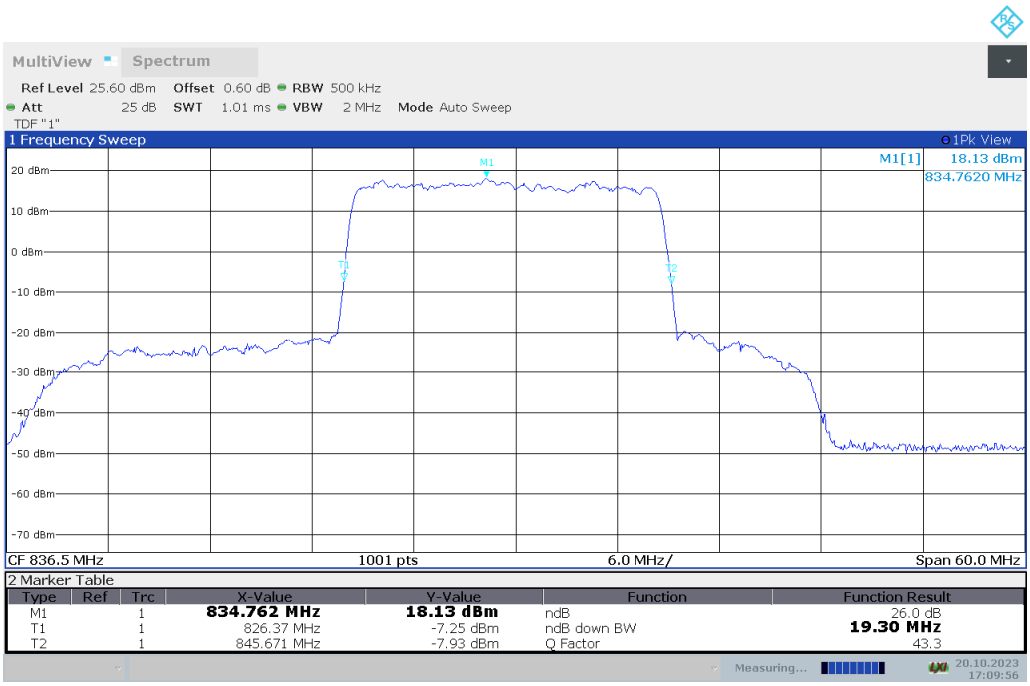
n5

n5,20MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
836.5	19.361	19.301

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

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

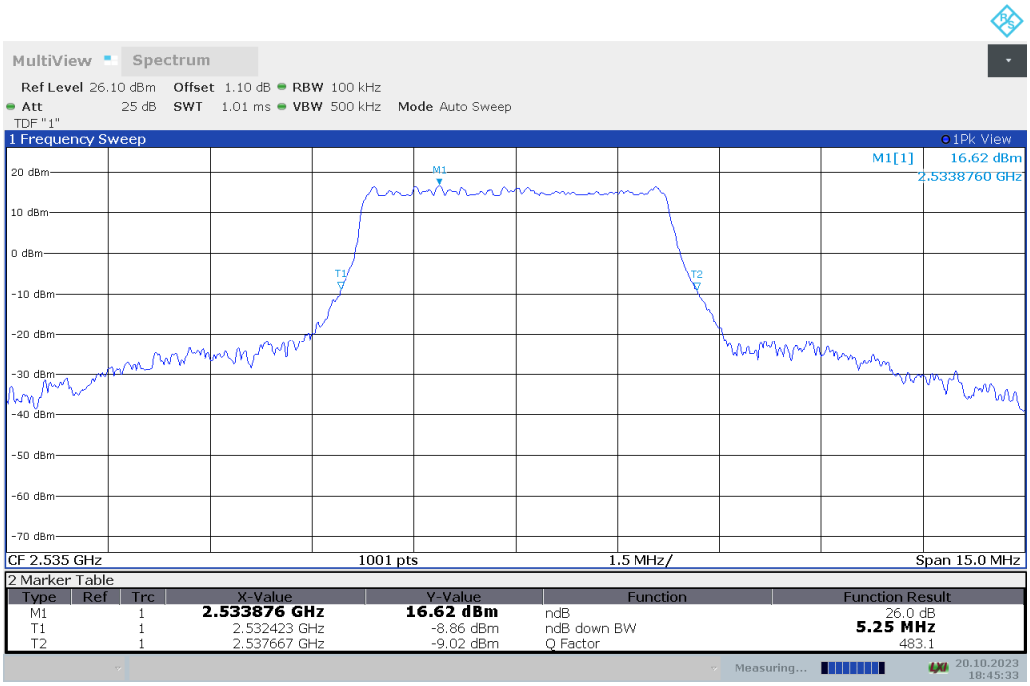


n7

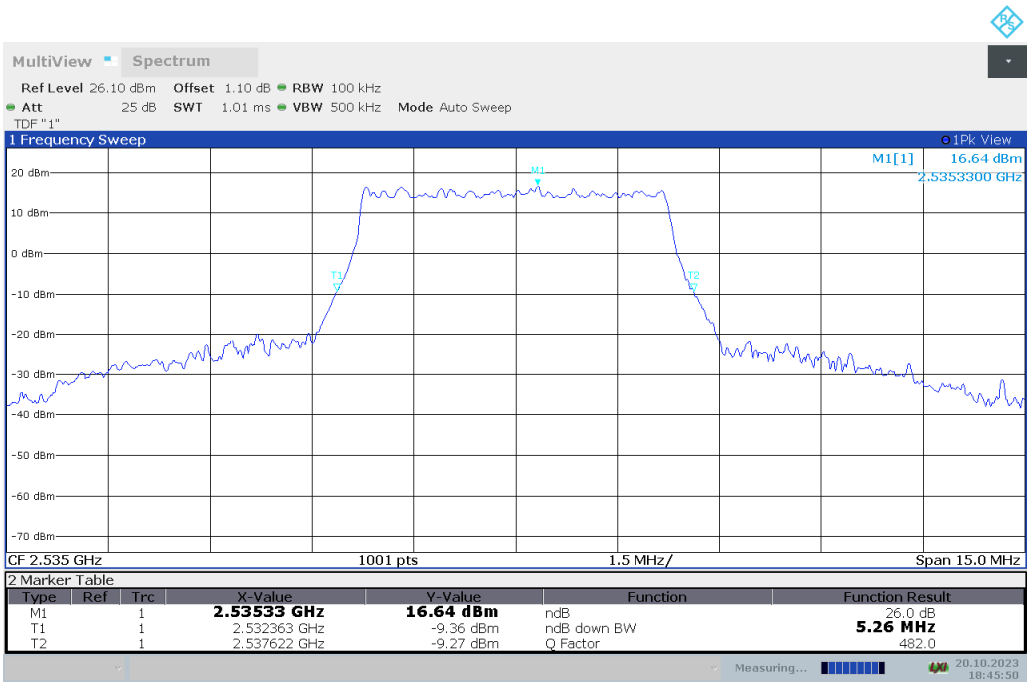
n7,5MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	5.245	5.260

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



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

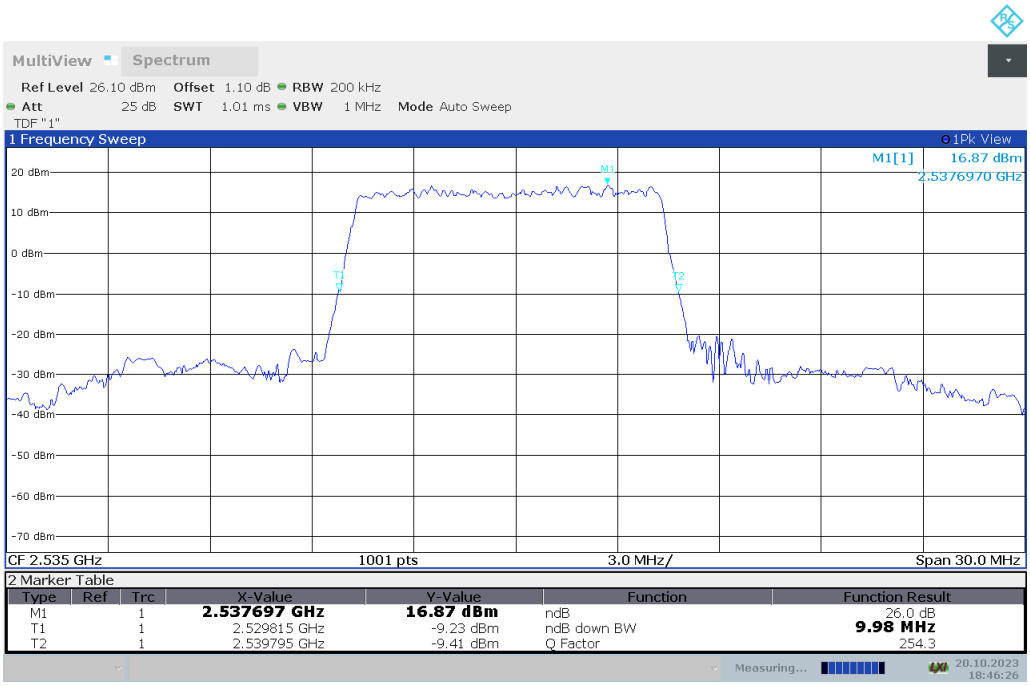


n7

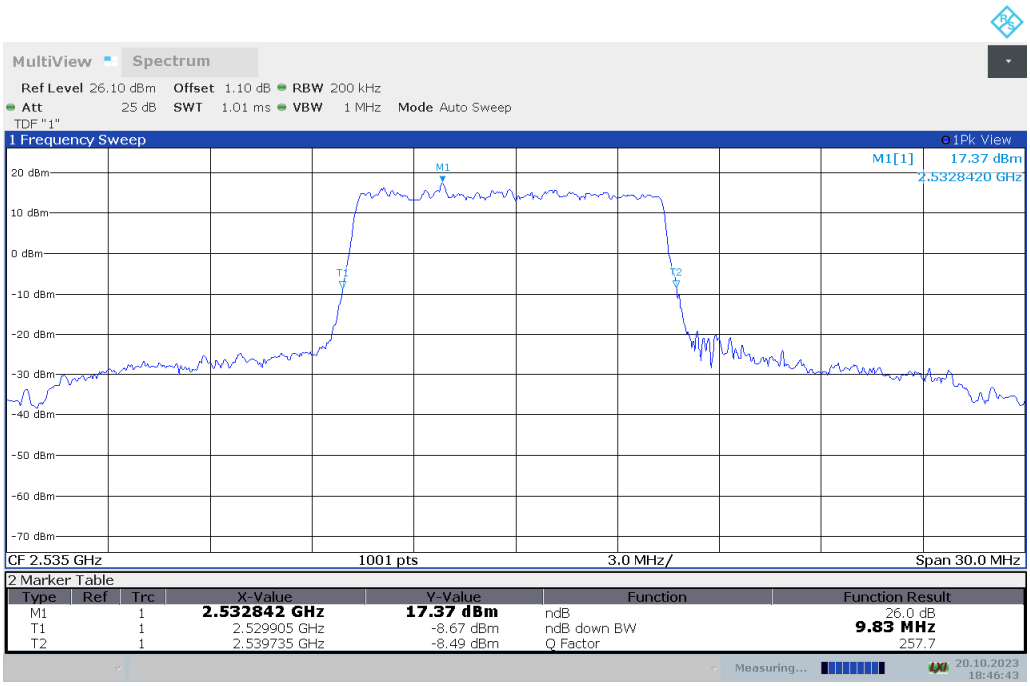
n7,10MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	9.980	9.830

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



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



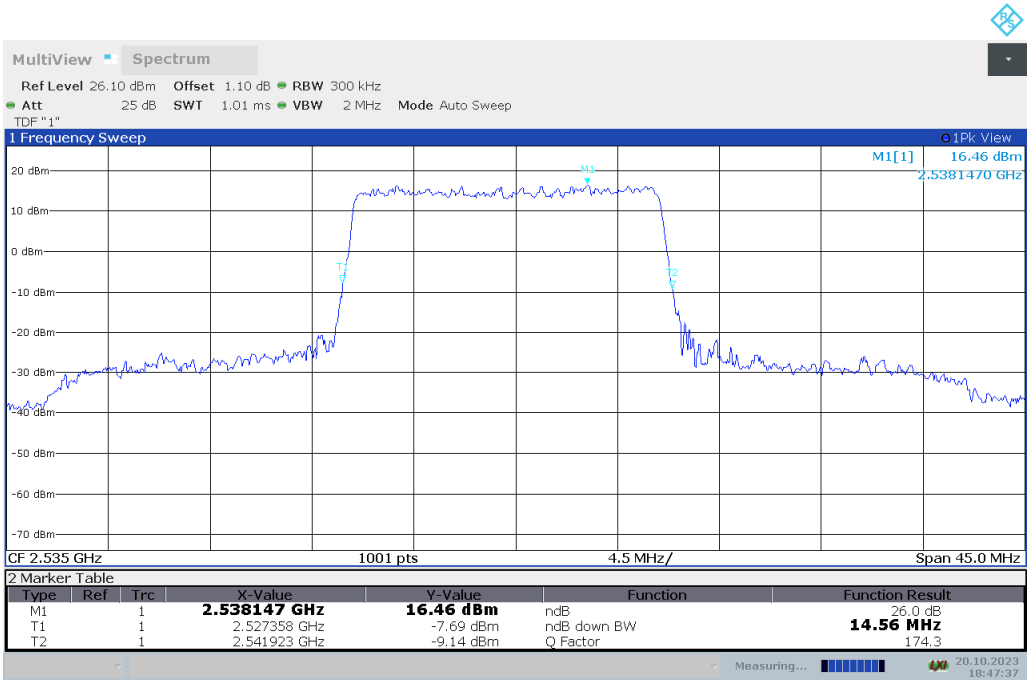
n7

n7,15MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	14.520	14.565

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

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

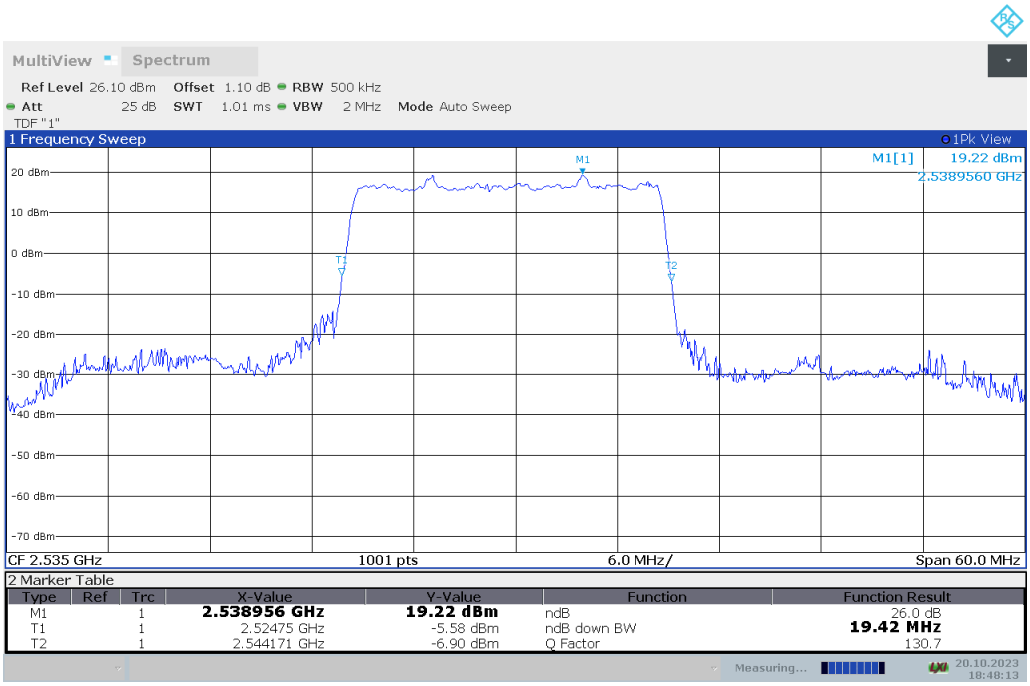


n7

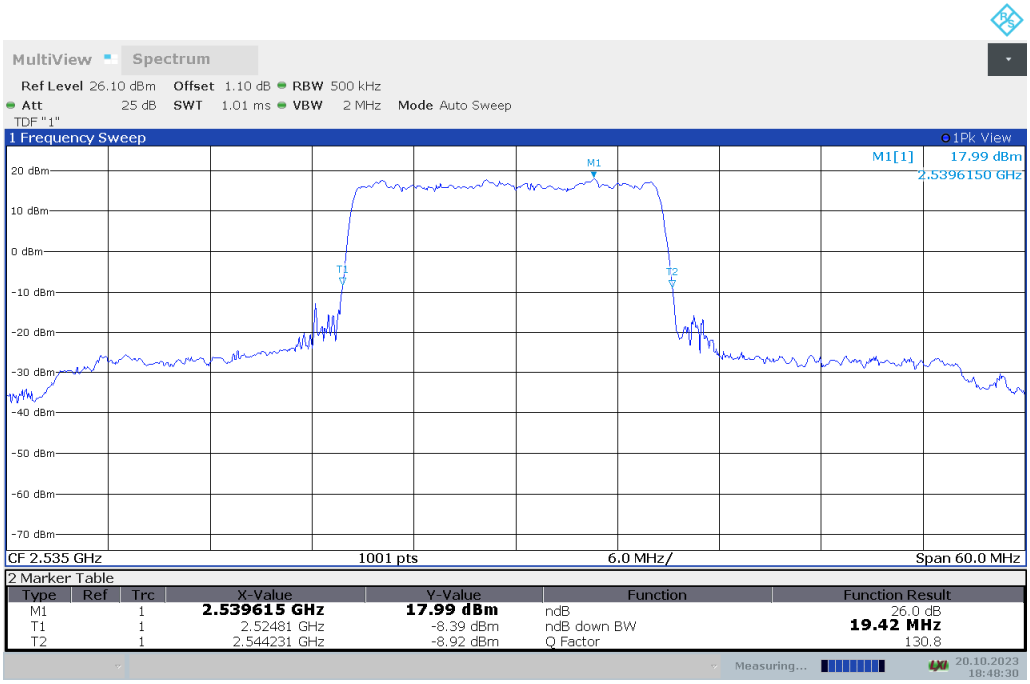
n7,20MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	19.421	19.421

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



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



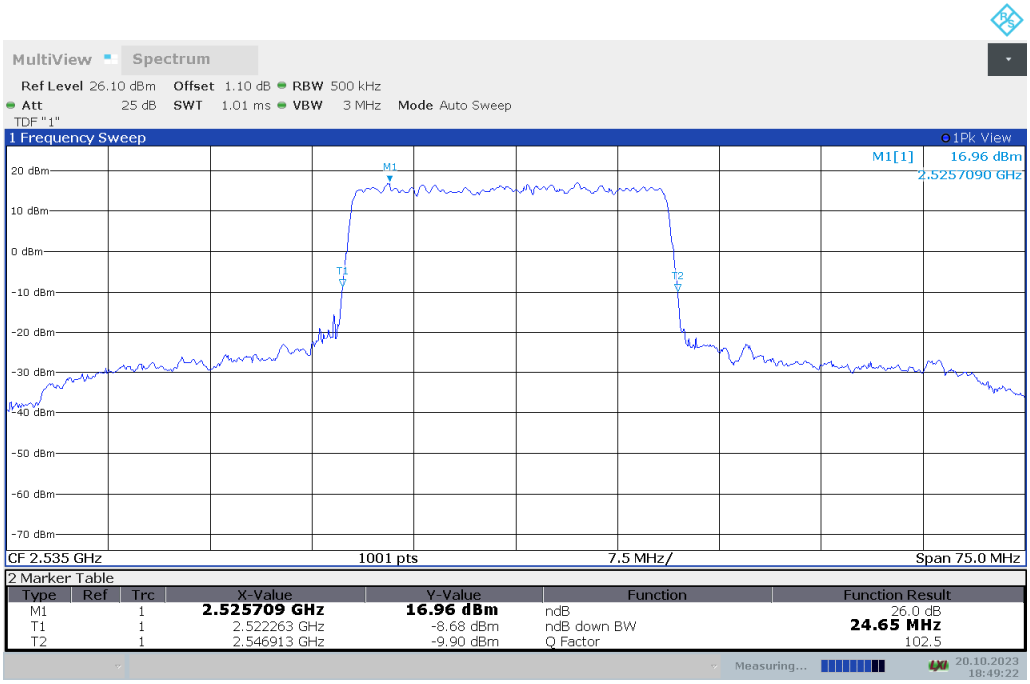
n7

n7,25MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	24.426	24.650

n7,25MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)

n7,25MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

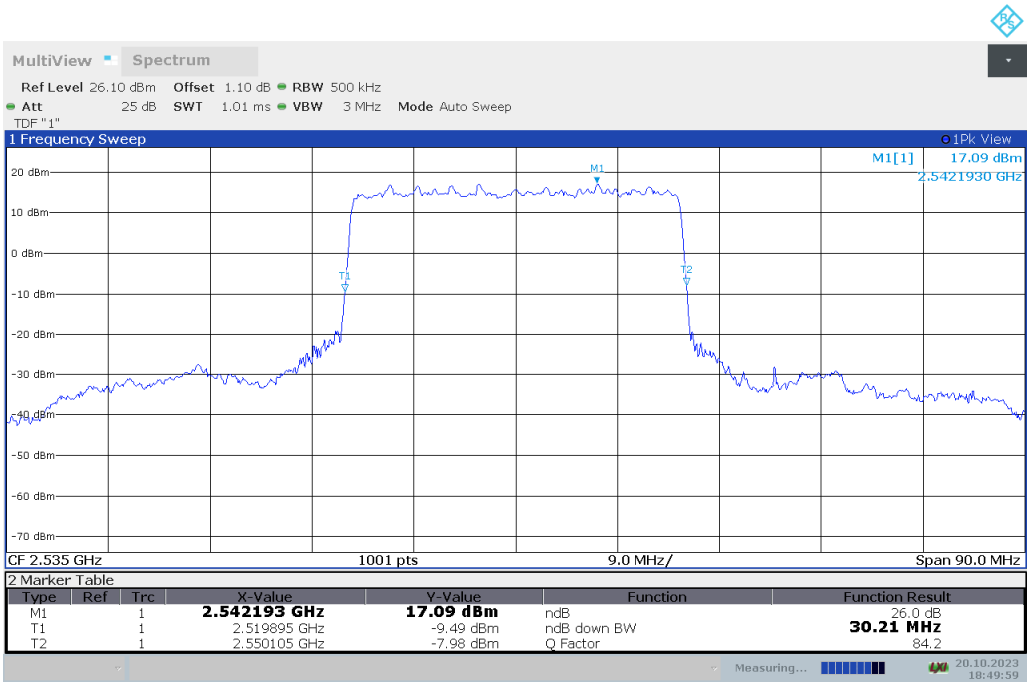


n7

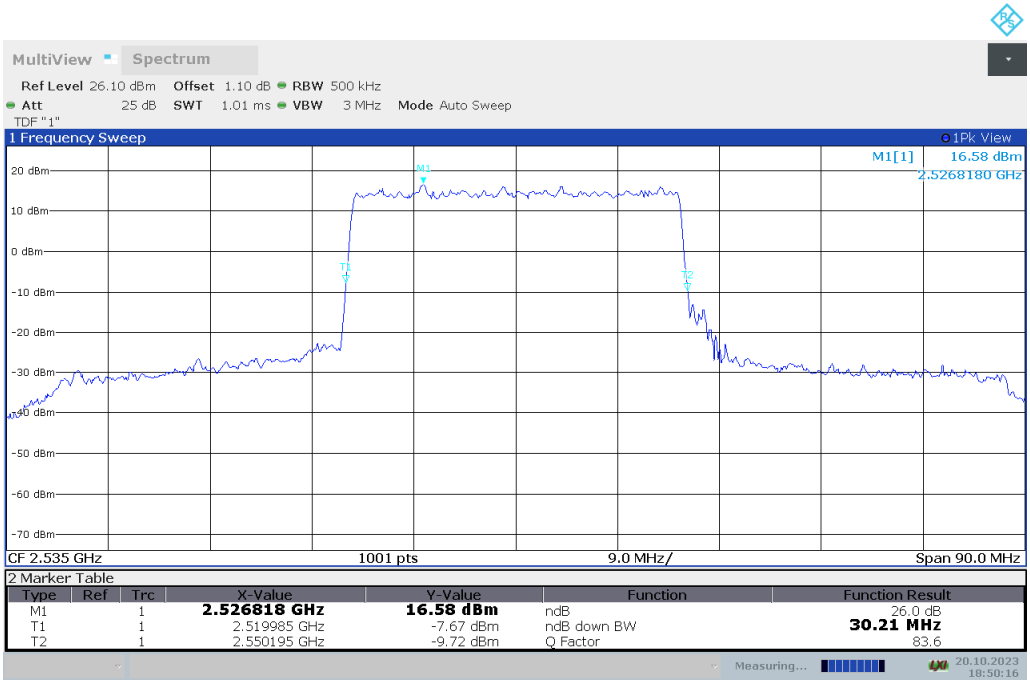
n7,30MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	30.210	30.210

n7,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n7,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

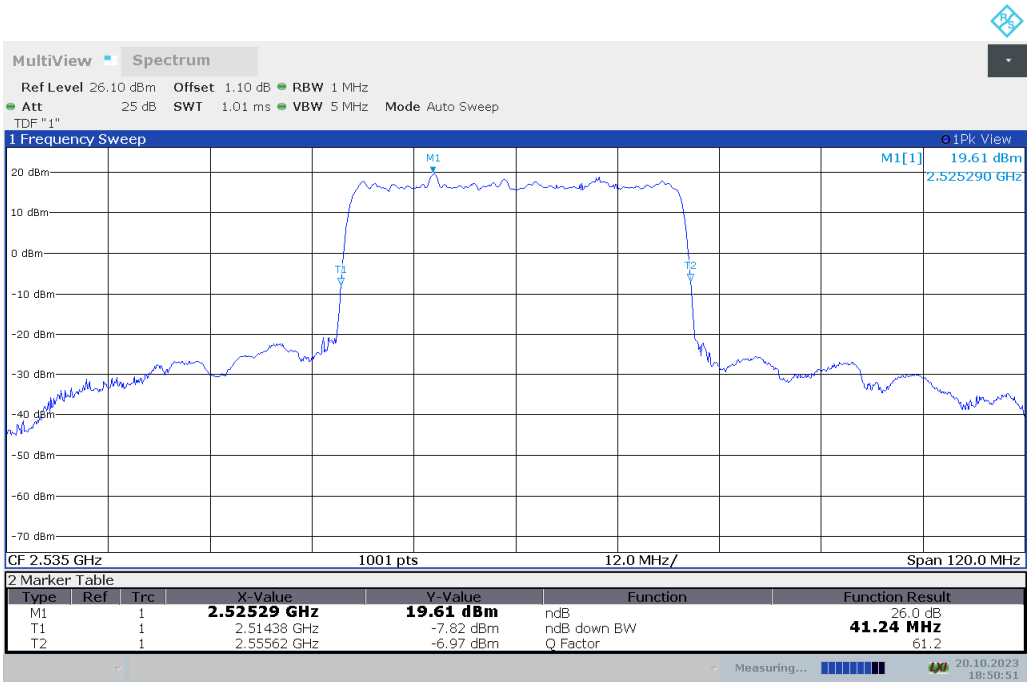


n7

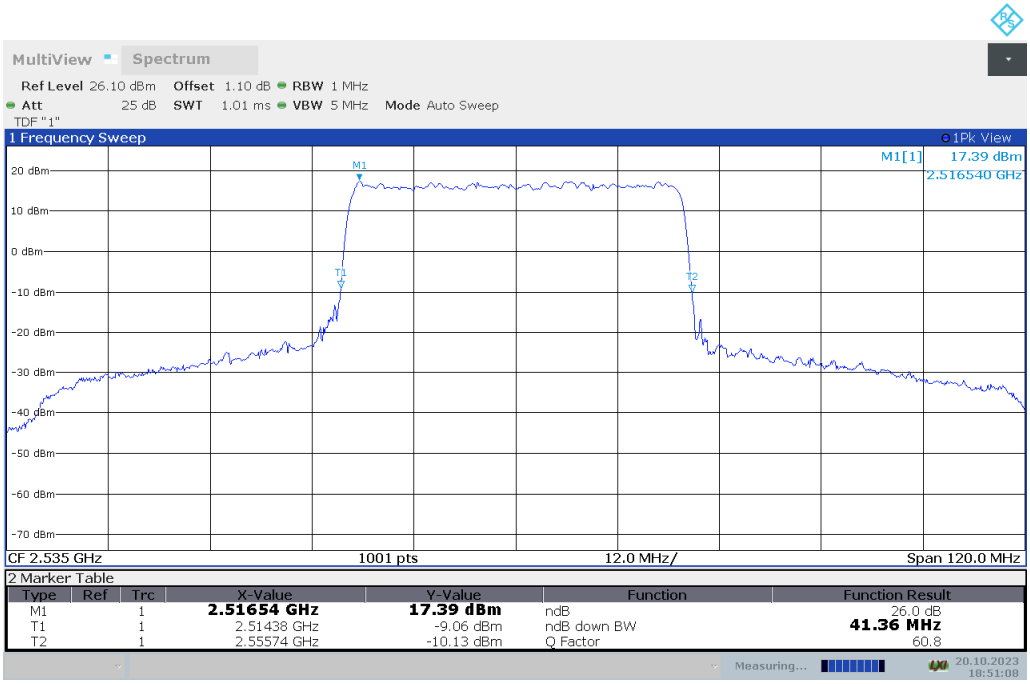
n7,40MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	41.240	41.360

n7,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n7,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

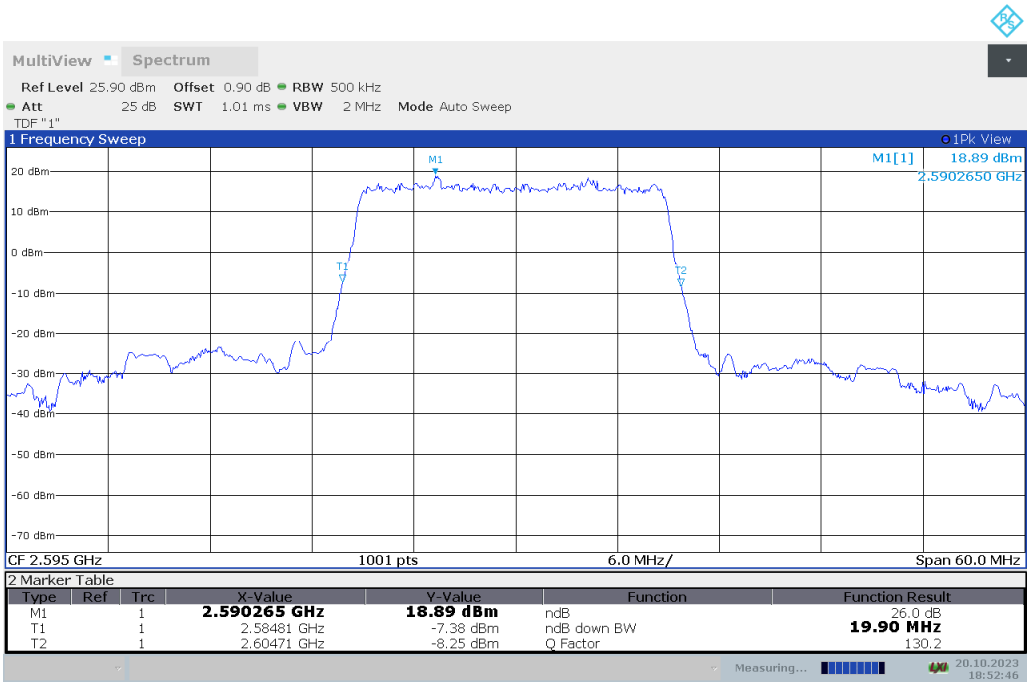


n38

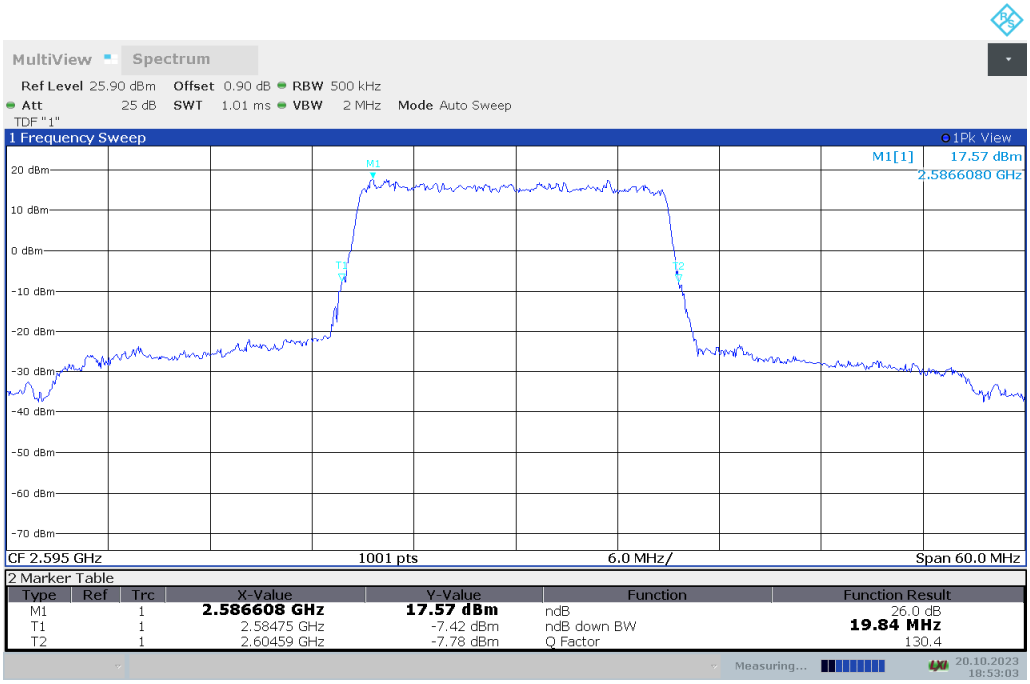
n38,20MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2595	19.900	19.840

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



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

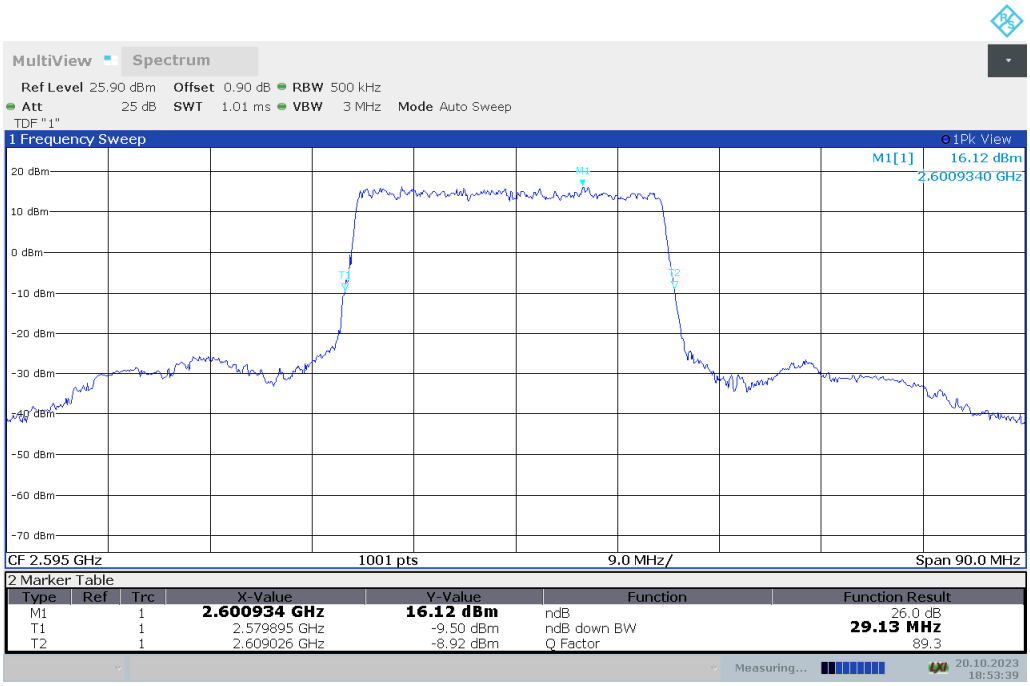


n38

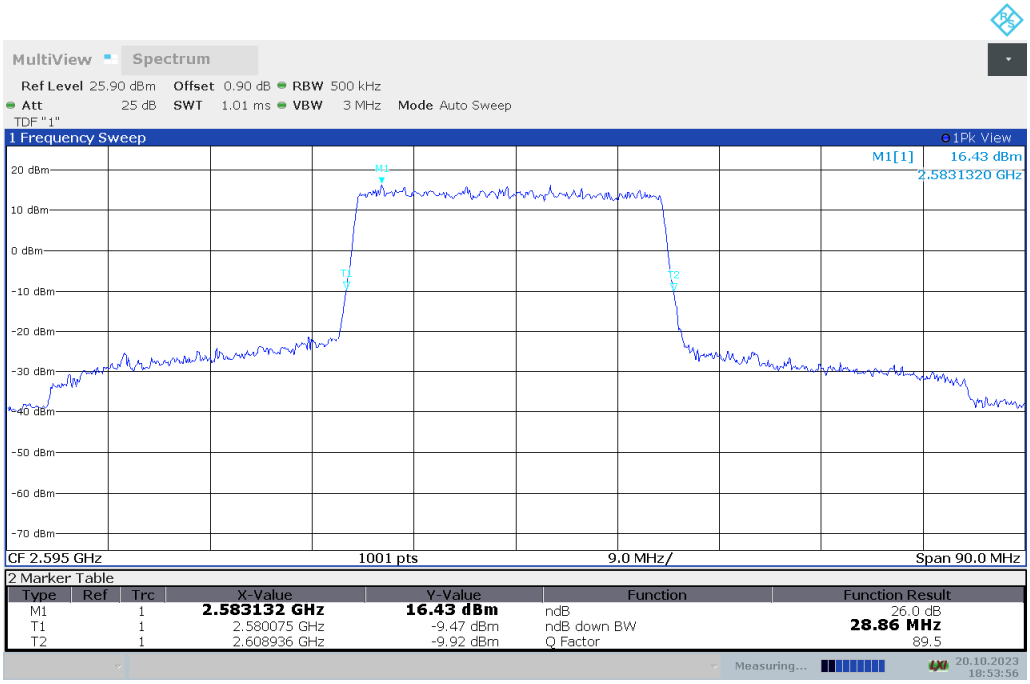
n38,30MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2595	29.131	28.861

n38,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n38,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

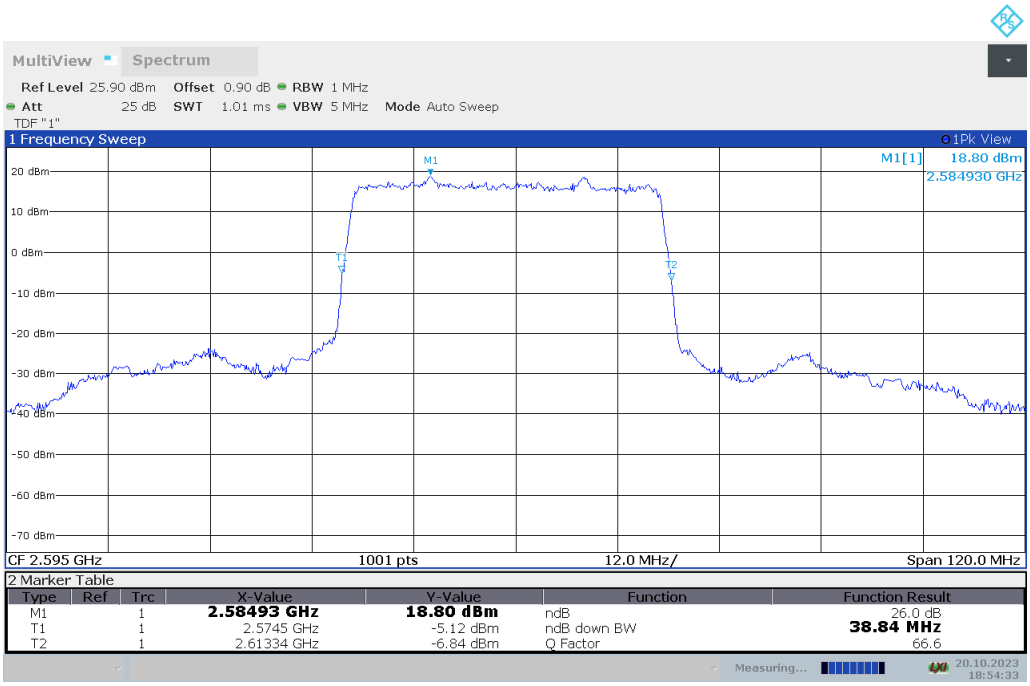


n38

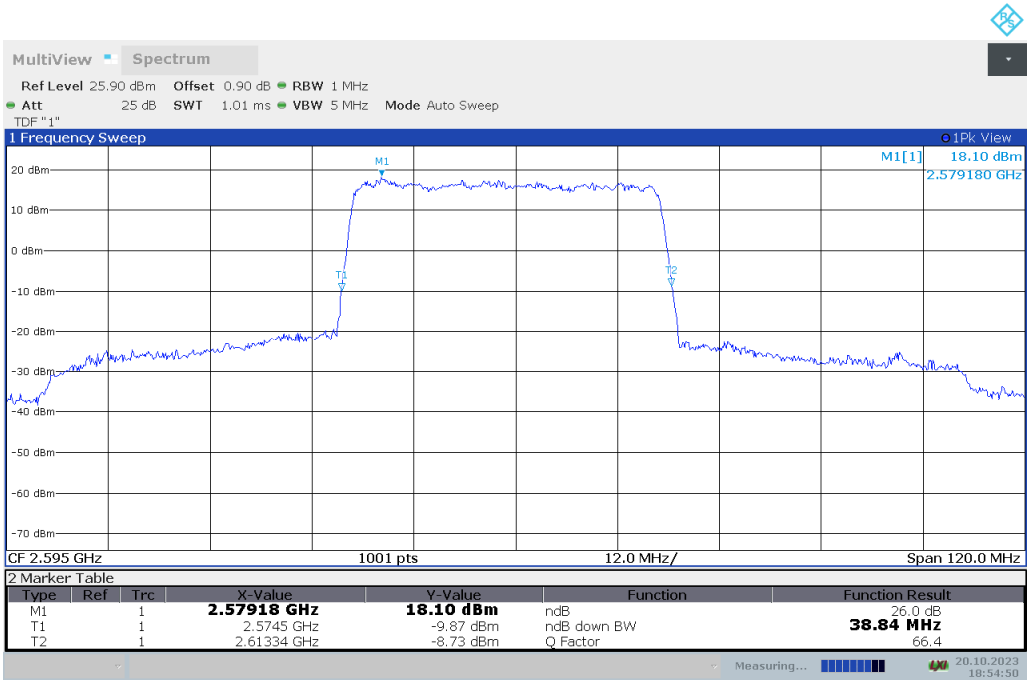
n38,40MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2595	38.840	38.840

n38,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n38,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



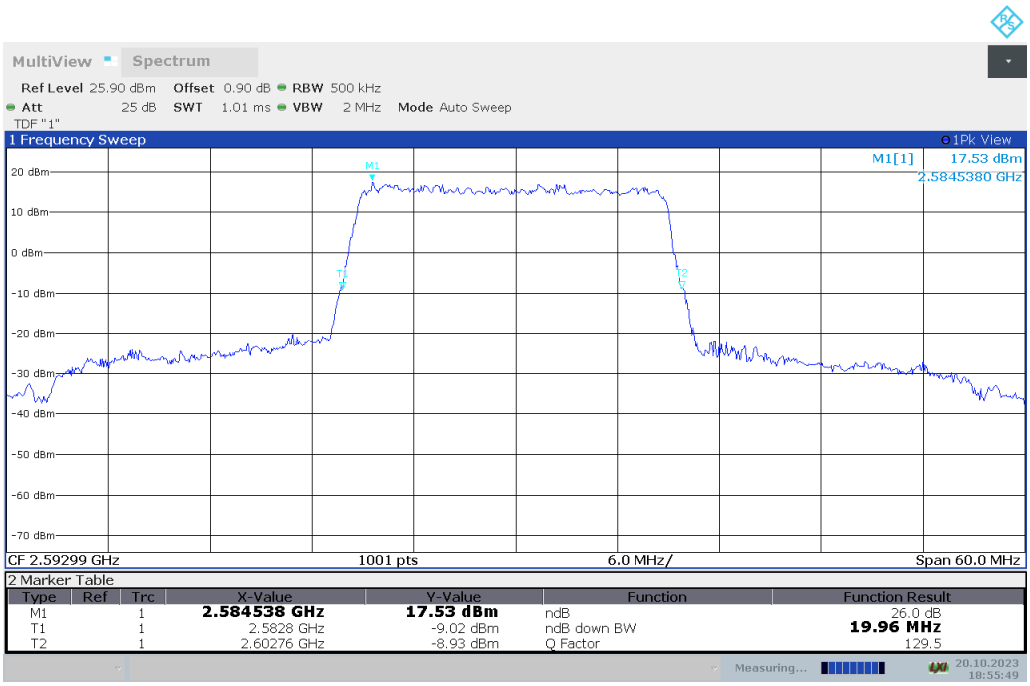
n41

n41,20MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	19.720	19.960

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

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

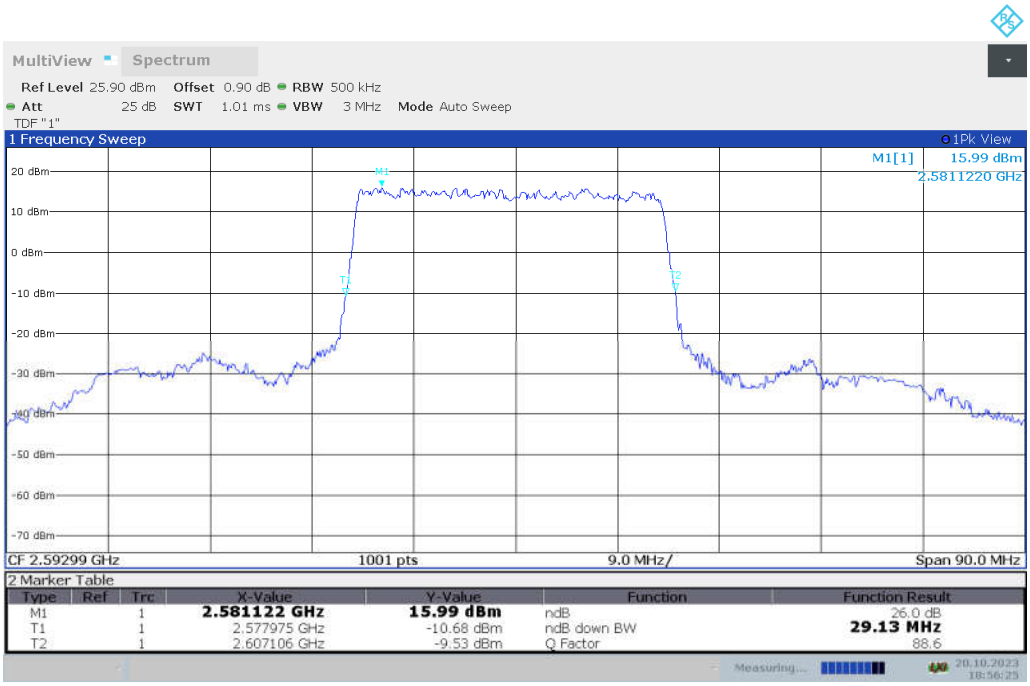


n41

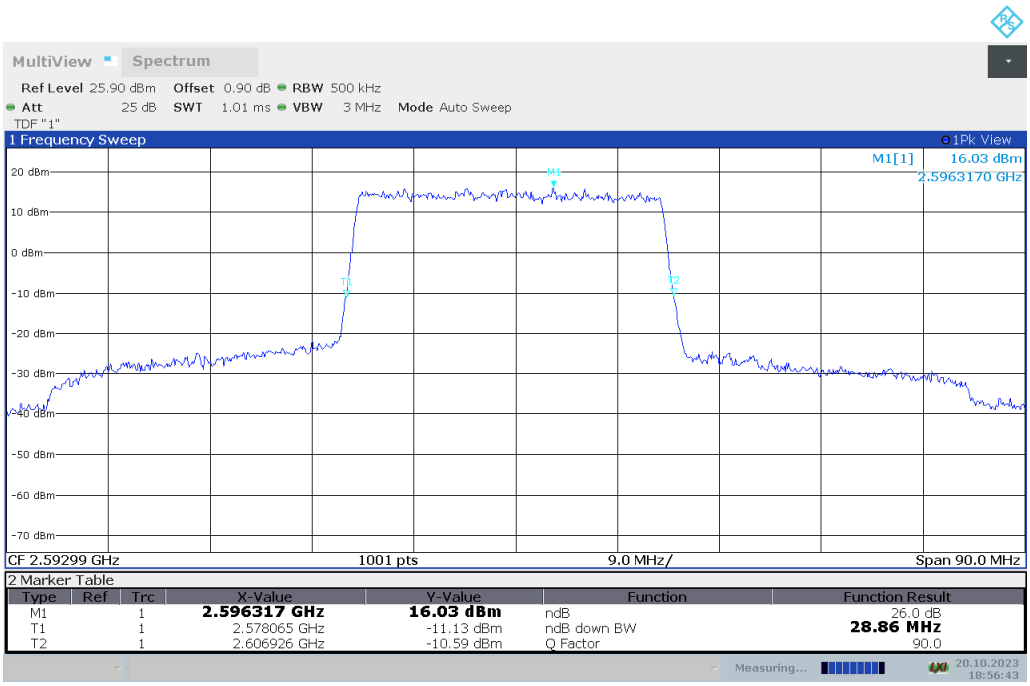
n41,30MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	29.131	28.861

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



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

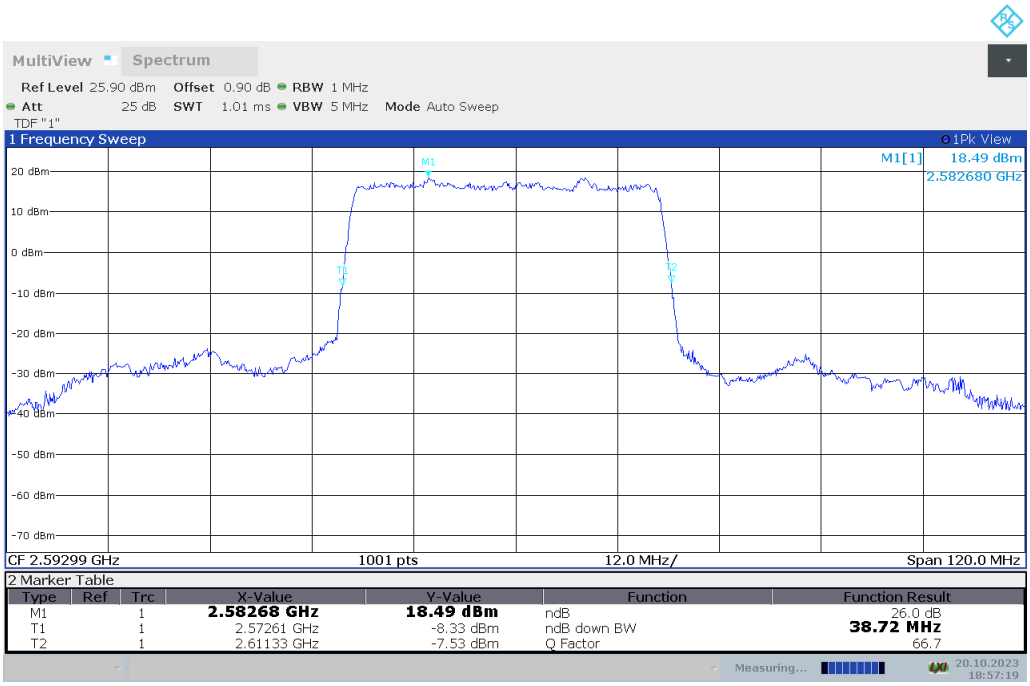


n41

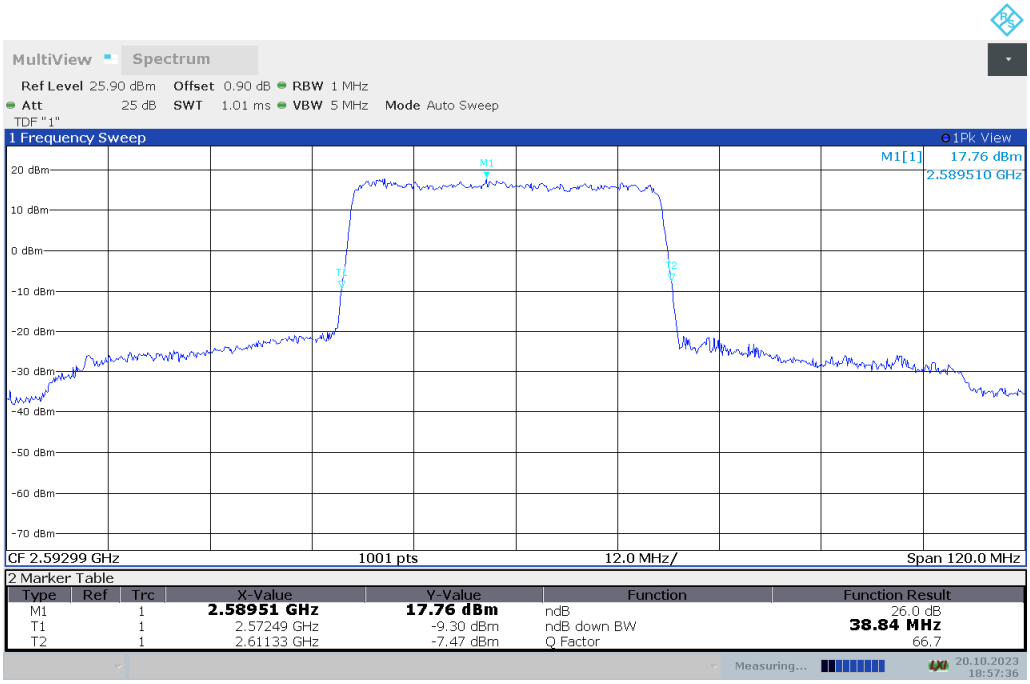
n41,40MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	38.720	38.840

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



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

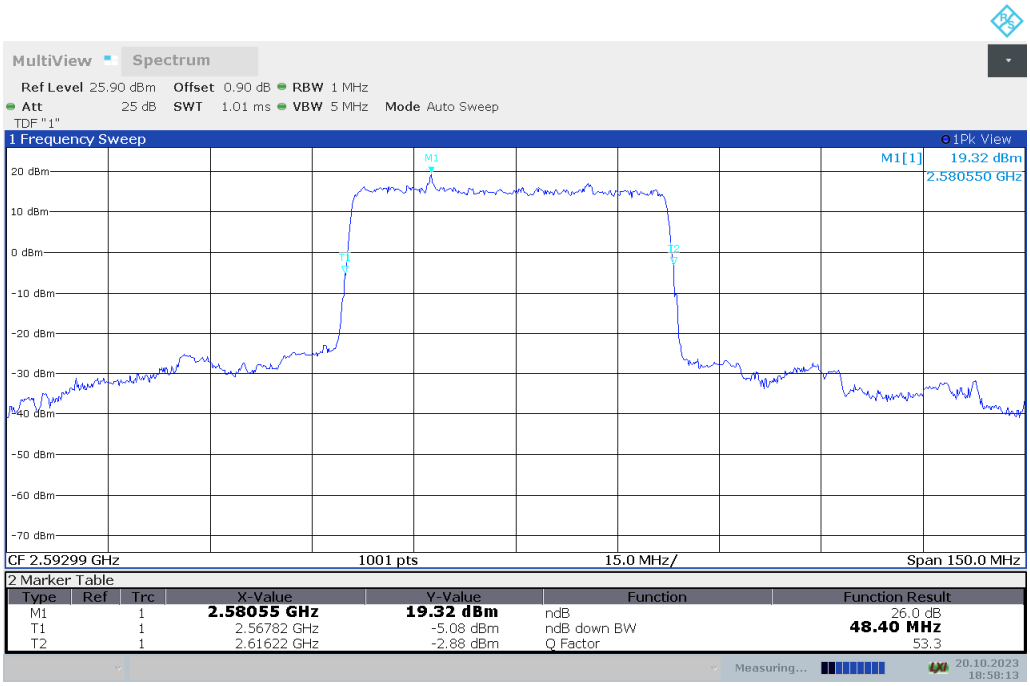


n41

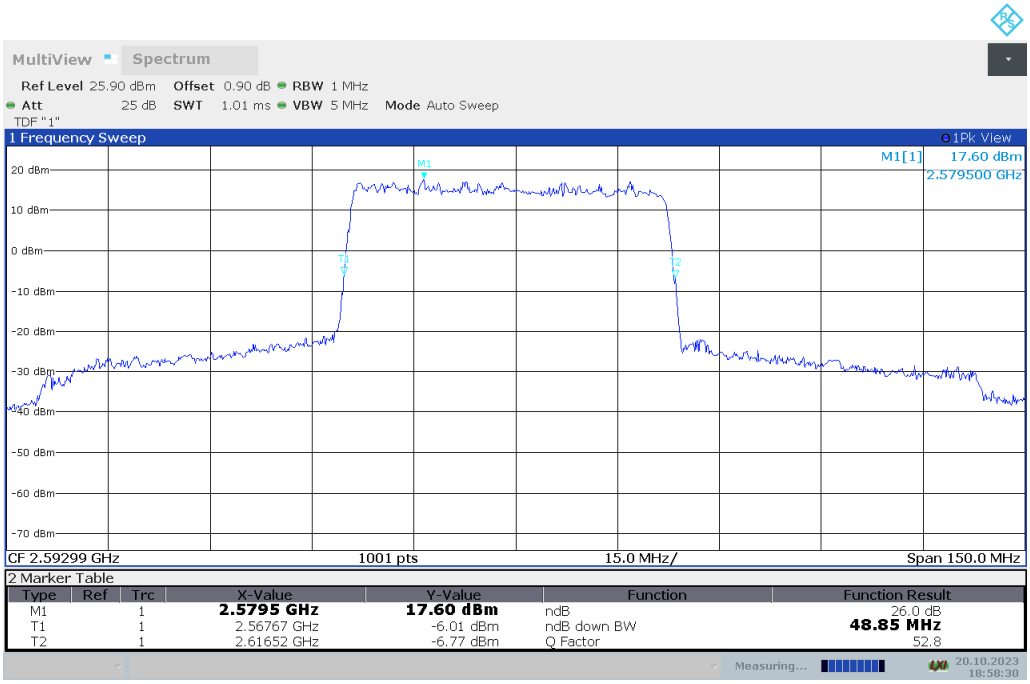
n41,50MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	48.400	48.850

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



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

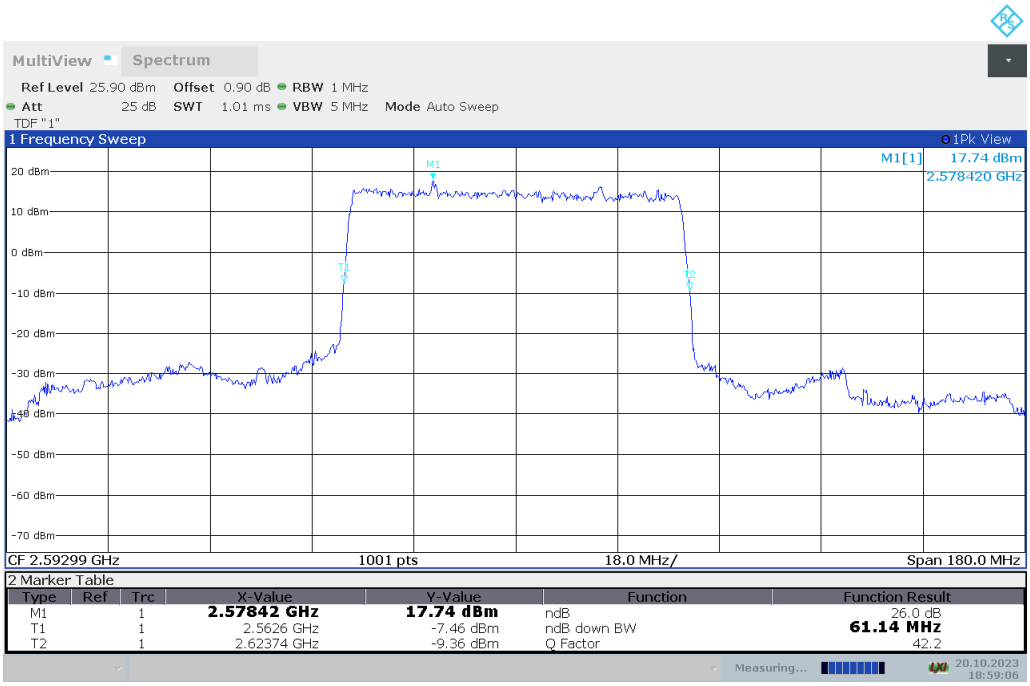


n41

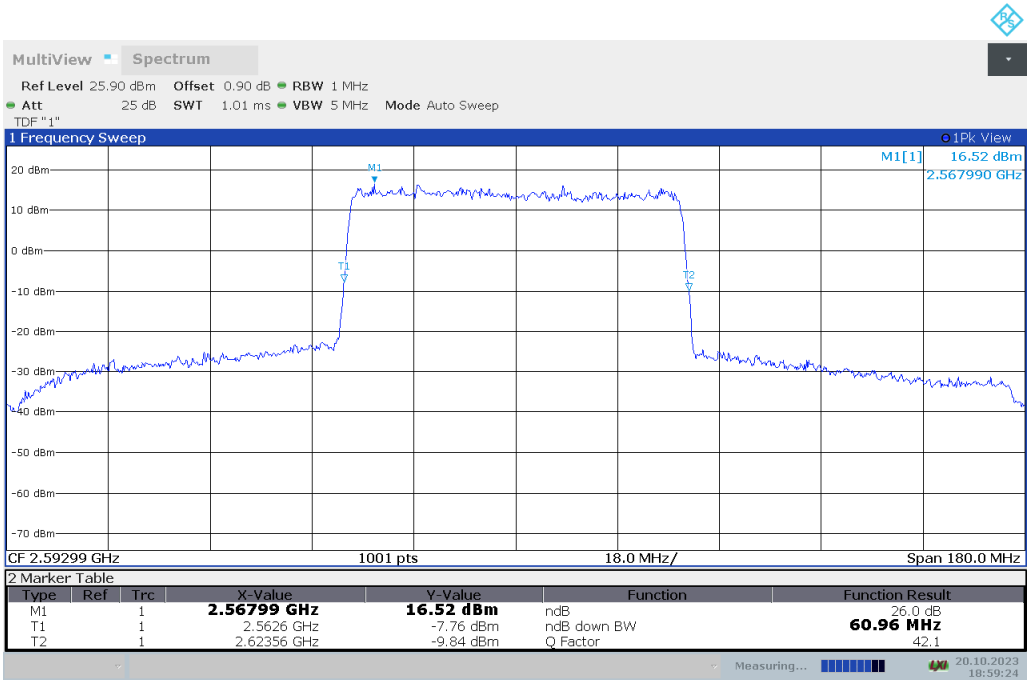
n41,60MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	61.140	60.960

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



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

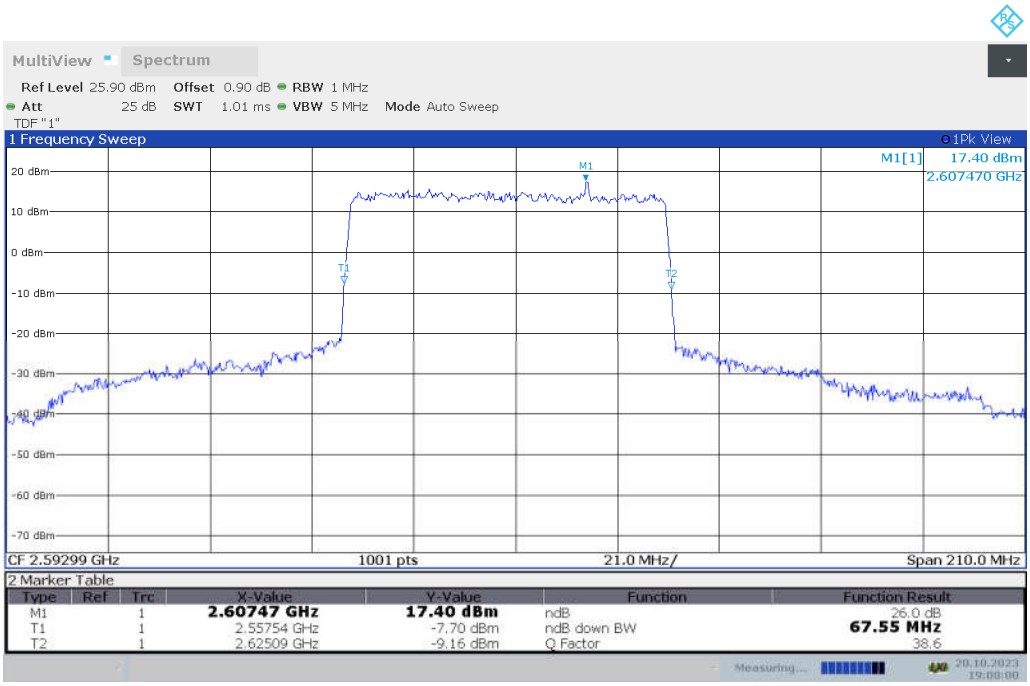


n41

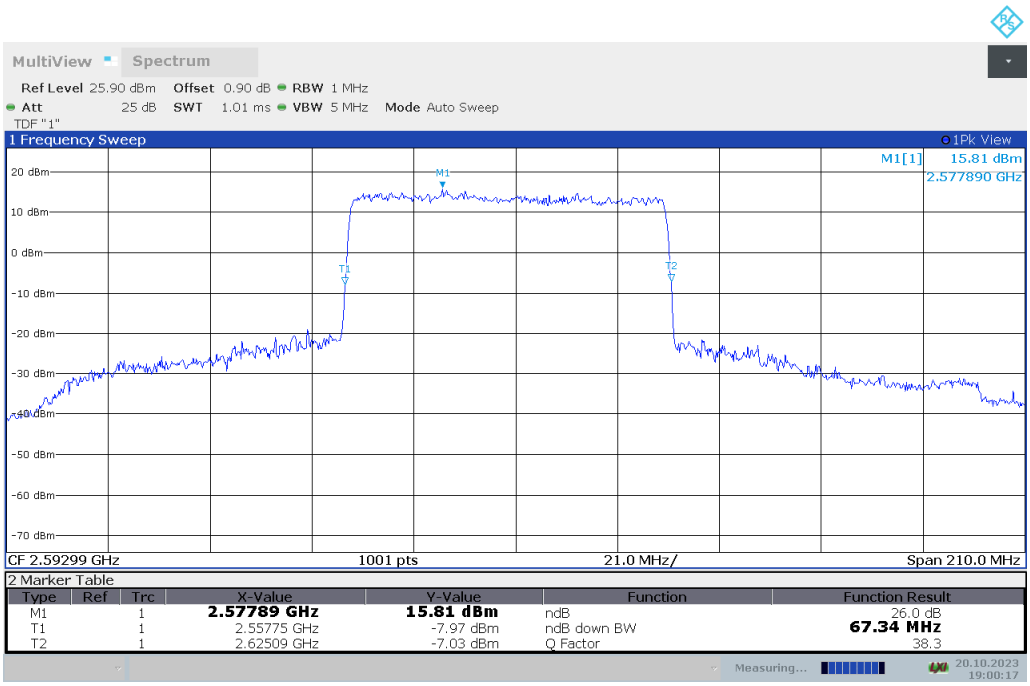
n41,70MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	67.550	67.340

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



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

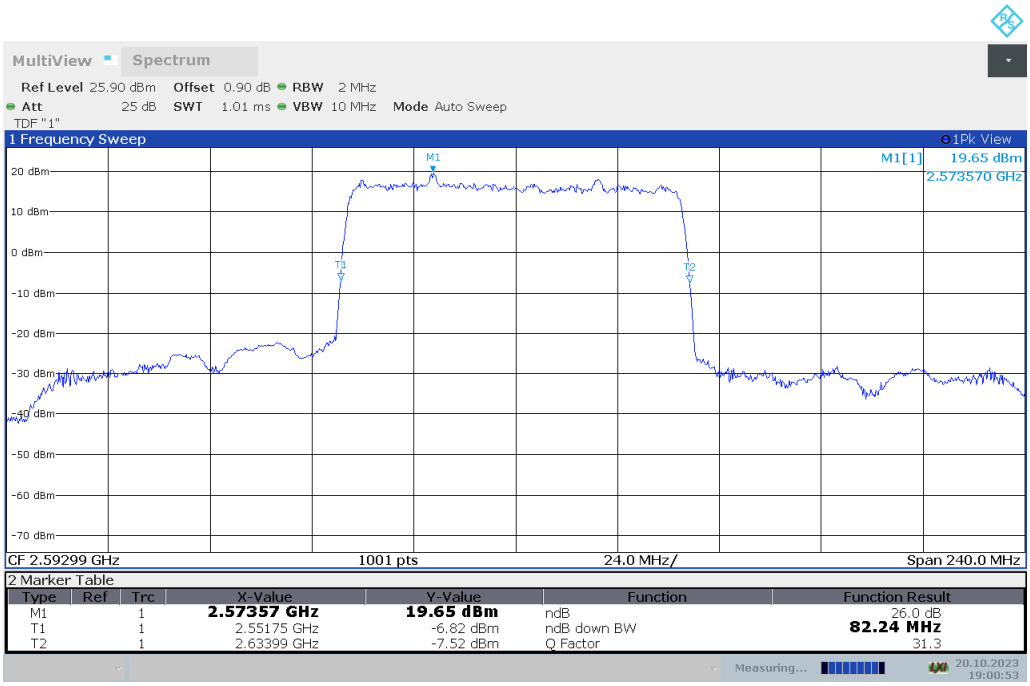


n41

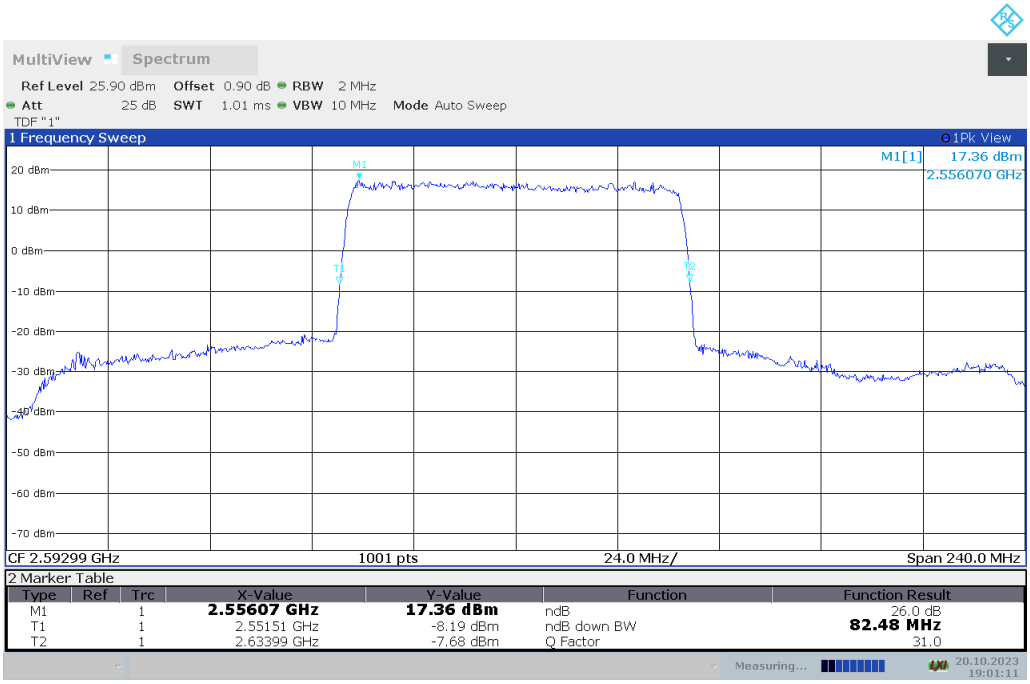
n41,80MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	82.240	82.480

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



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

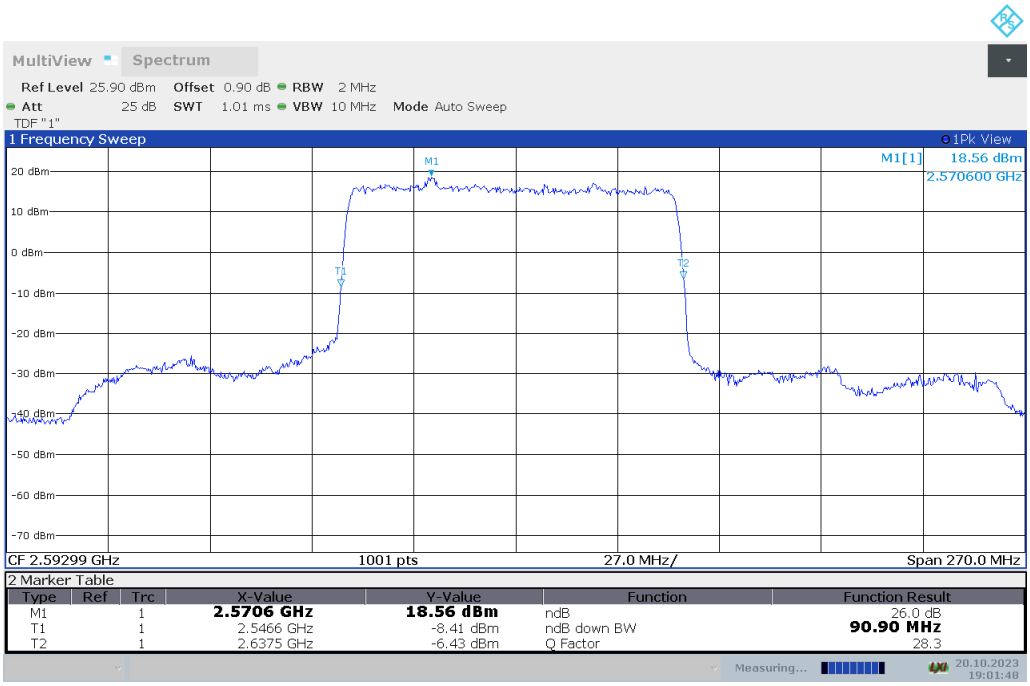


n41

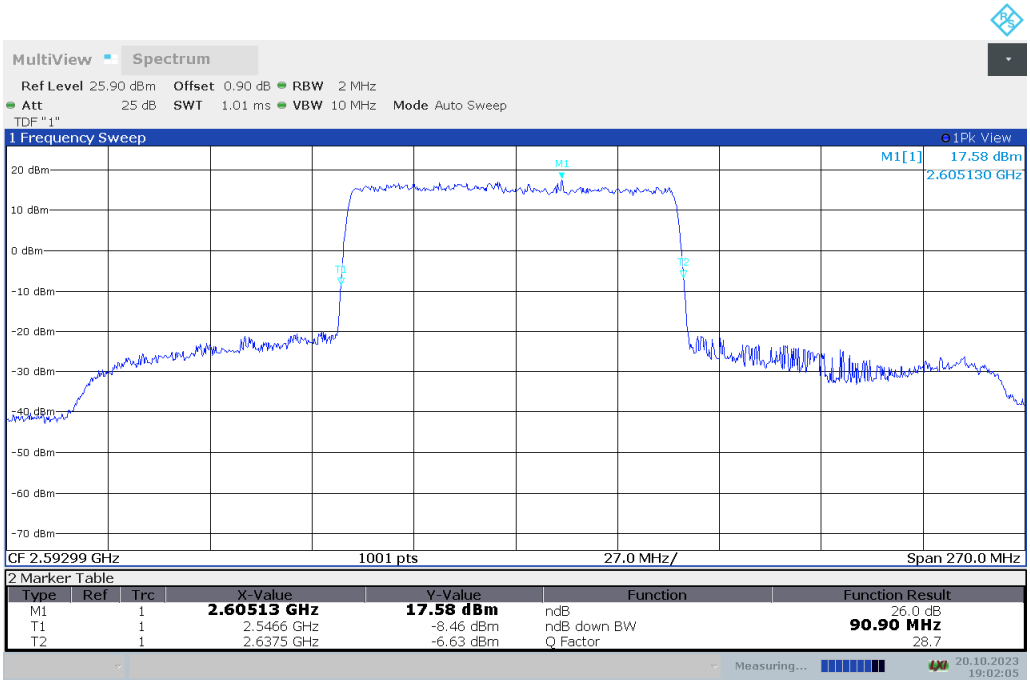
n41,90MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	90.900	90.900

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



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

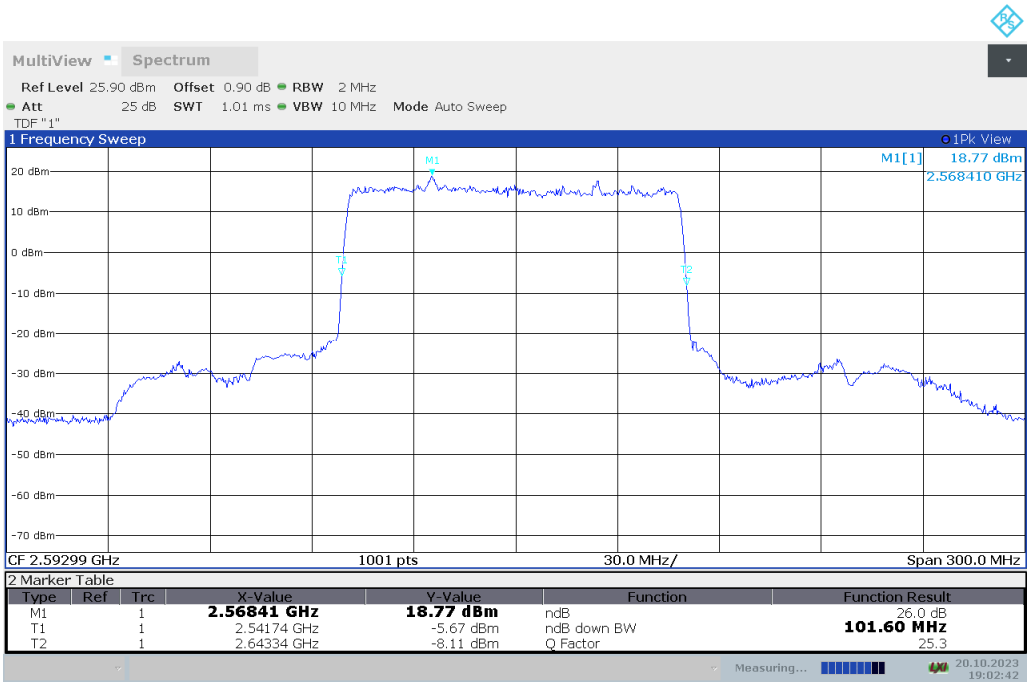


n41

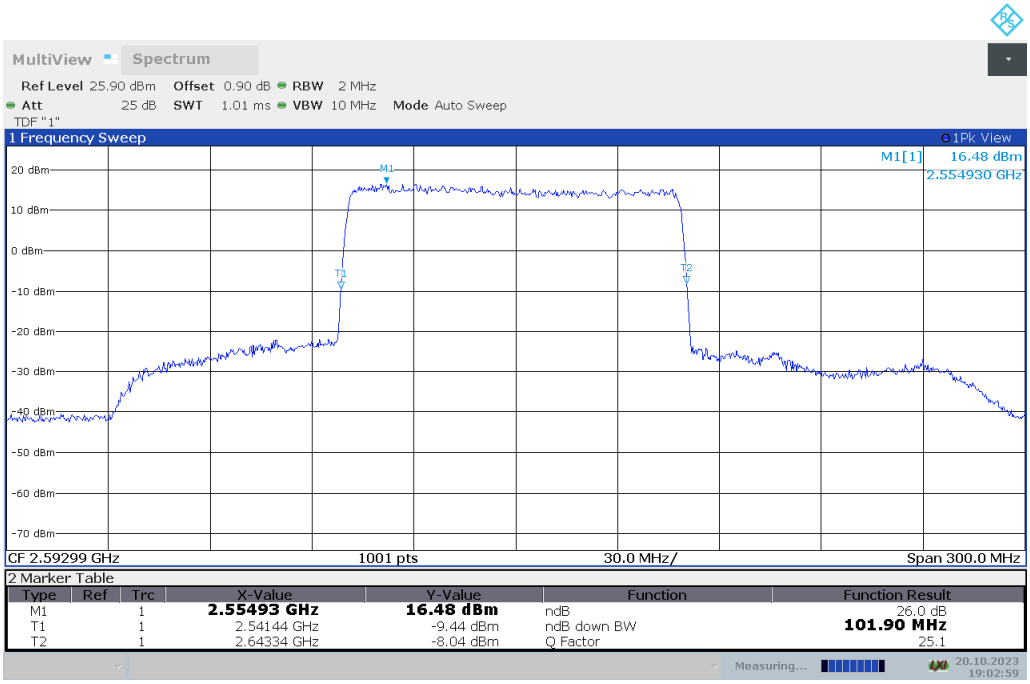
n41,100MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	101.600	101.900

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



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

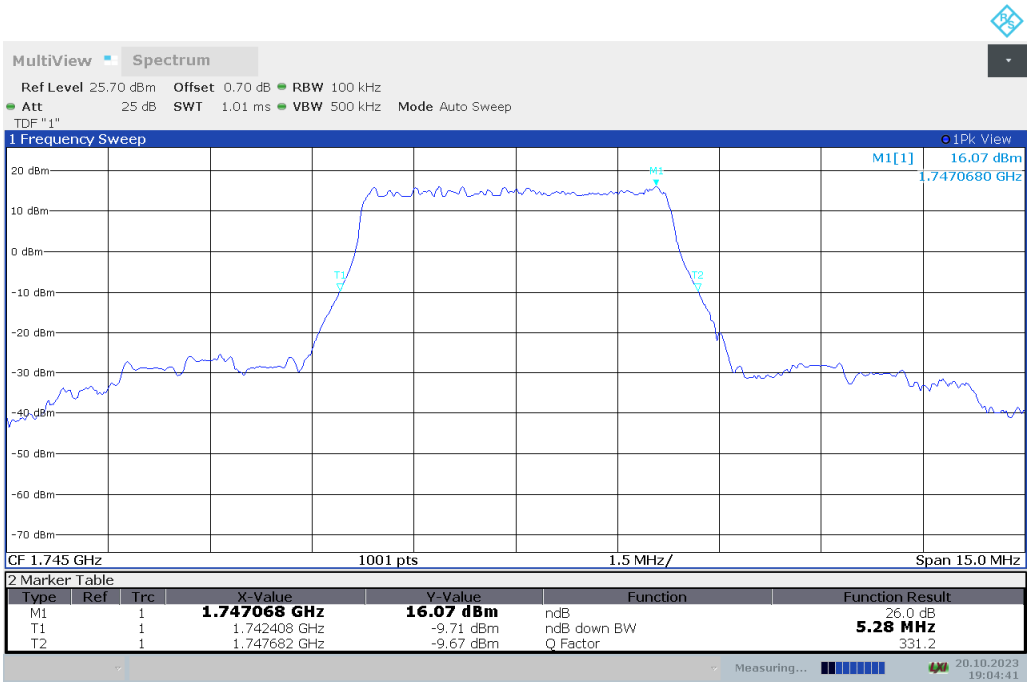


n66

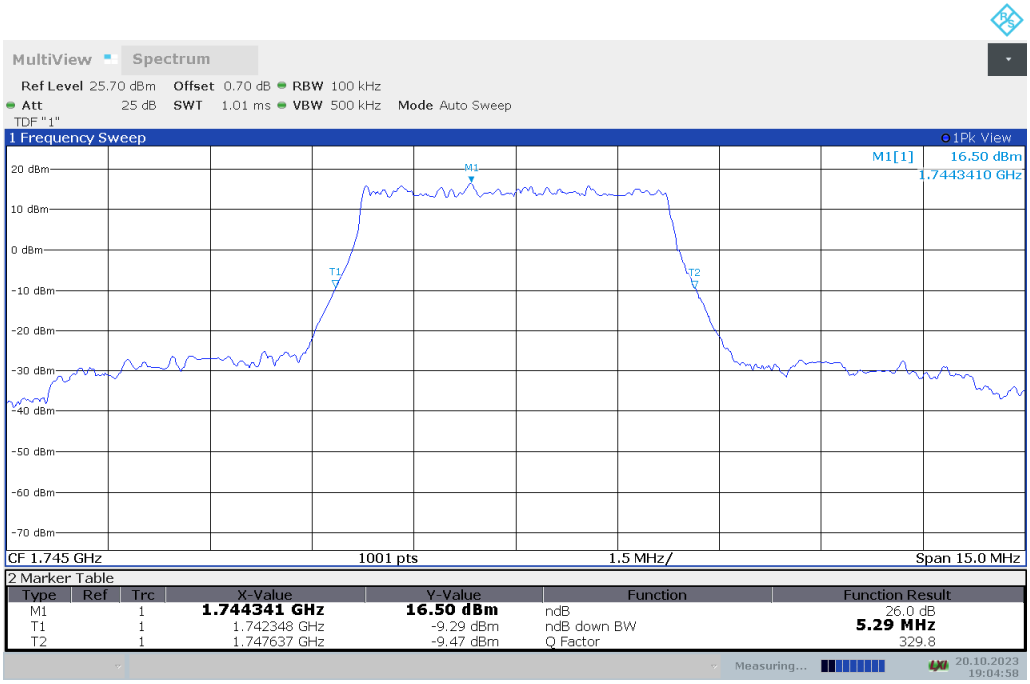
n66,5MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	5.275	5.290

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



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

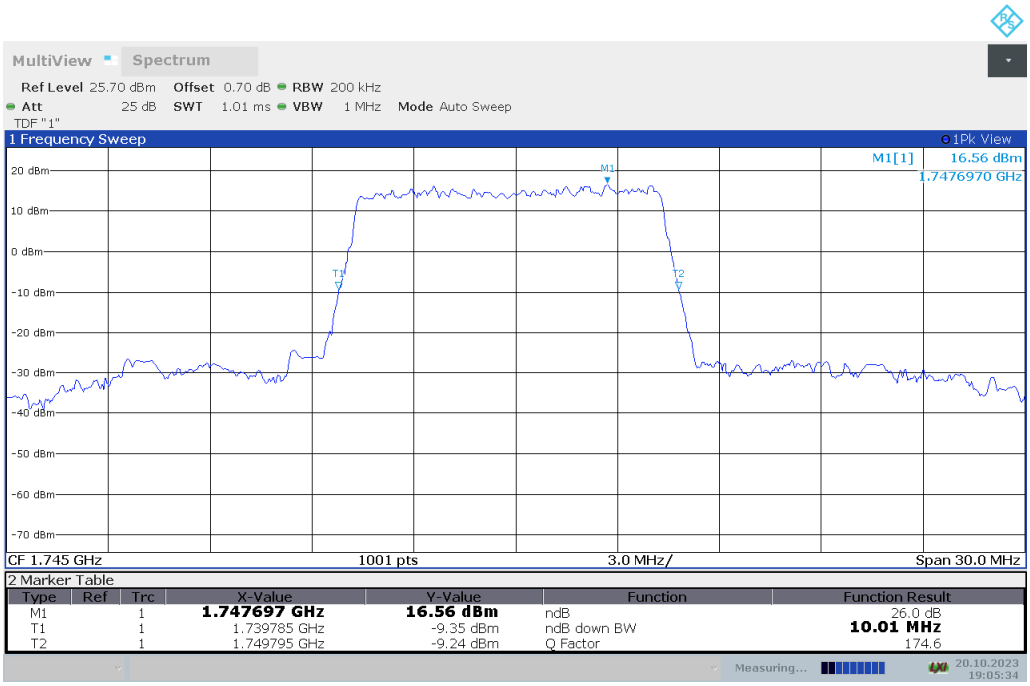


n66

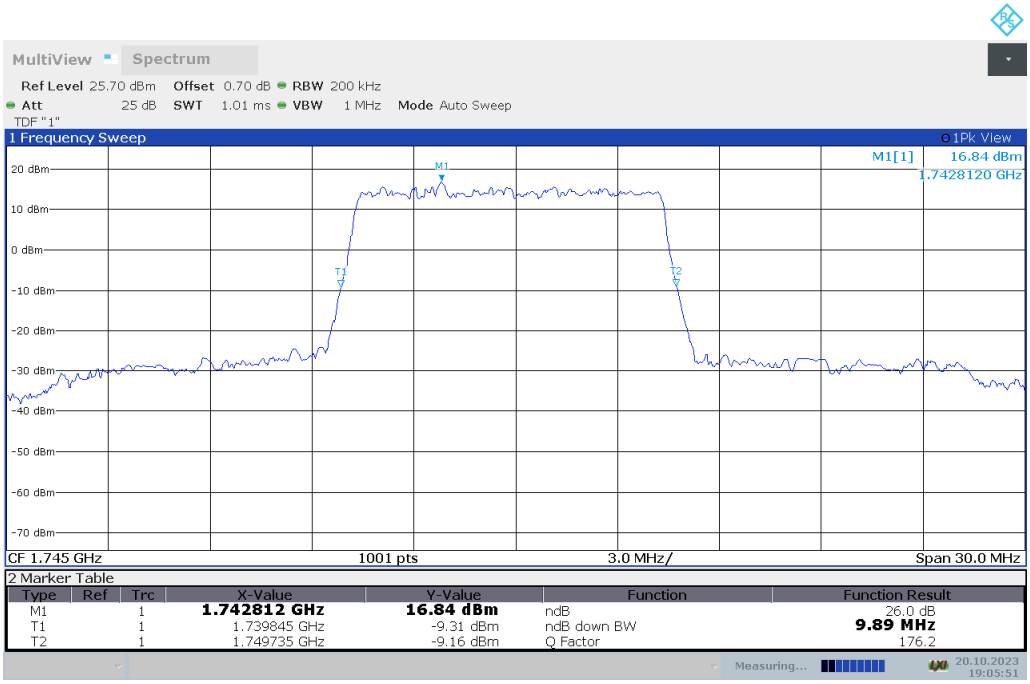
n66,10MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	10.010	9.890

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



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

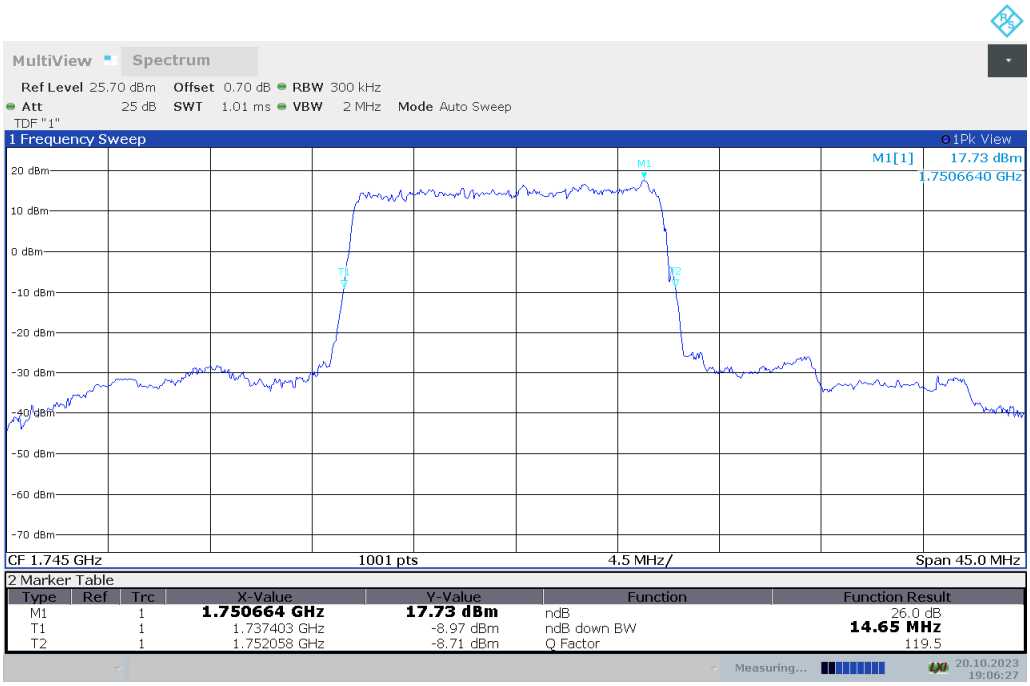


n66

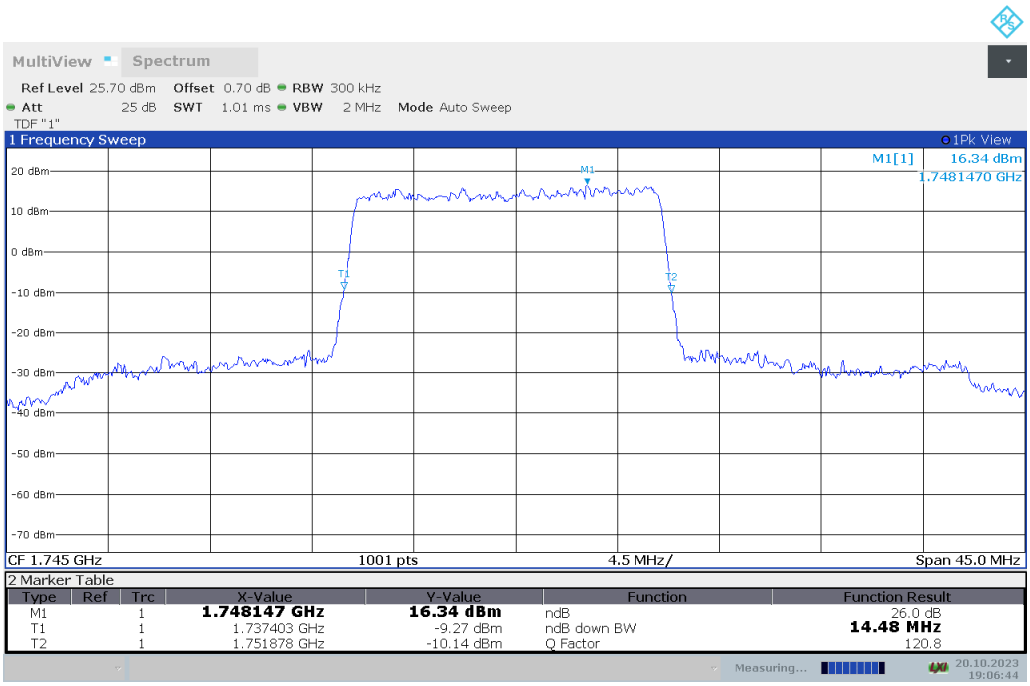
n66,15MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	14.655	14.476

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



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

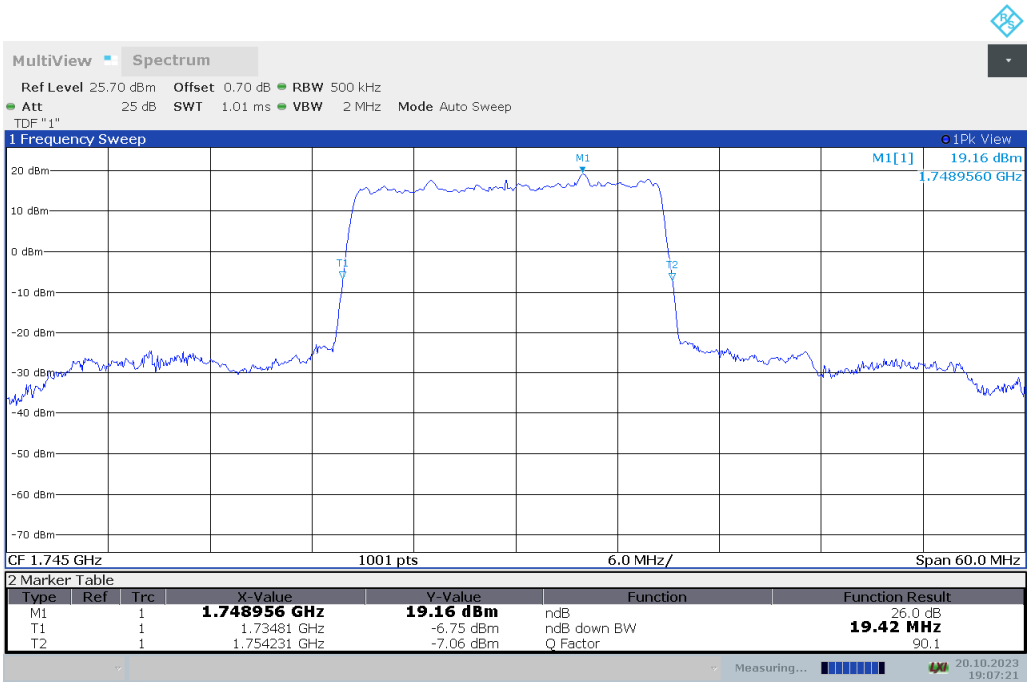


n66

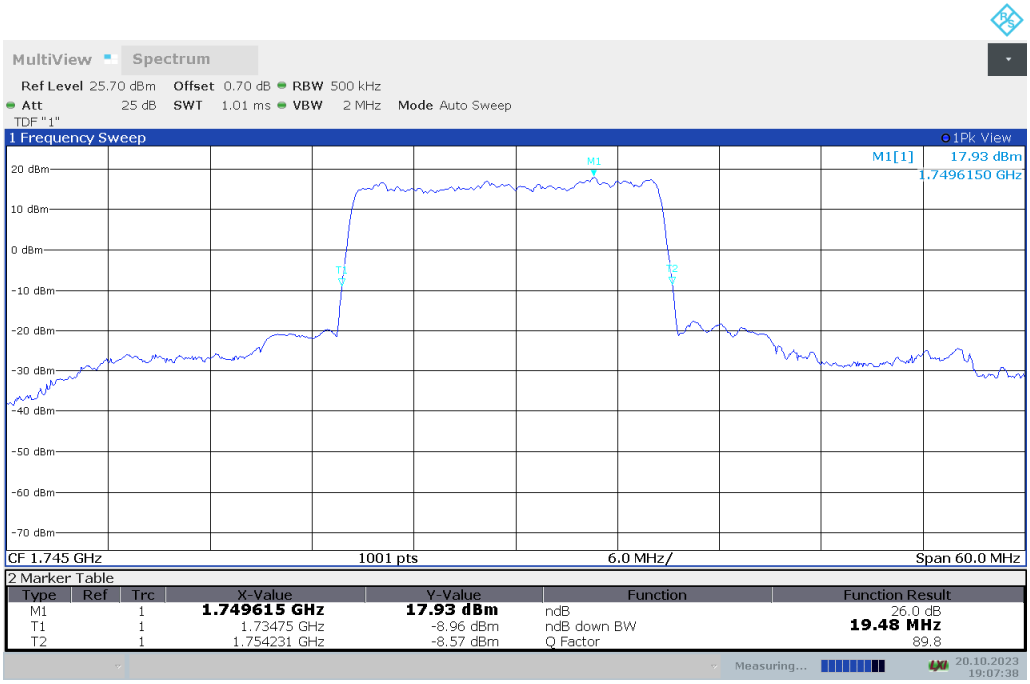
n66,20MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	19.421	19.481

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



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

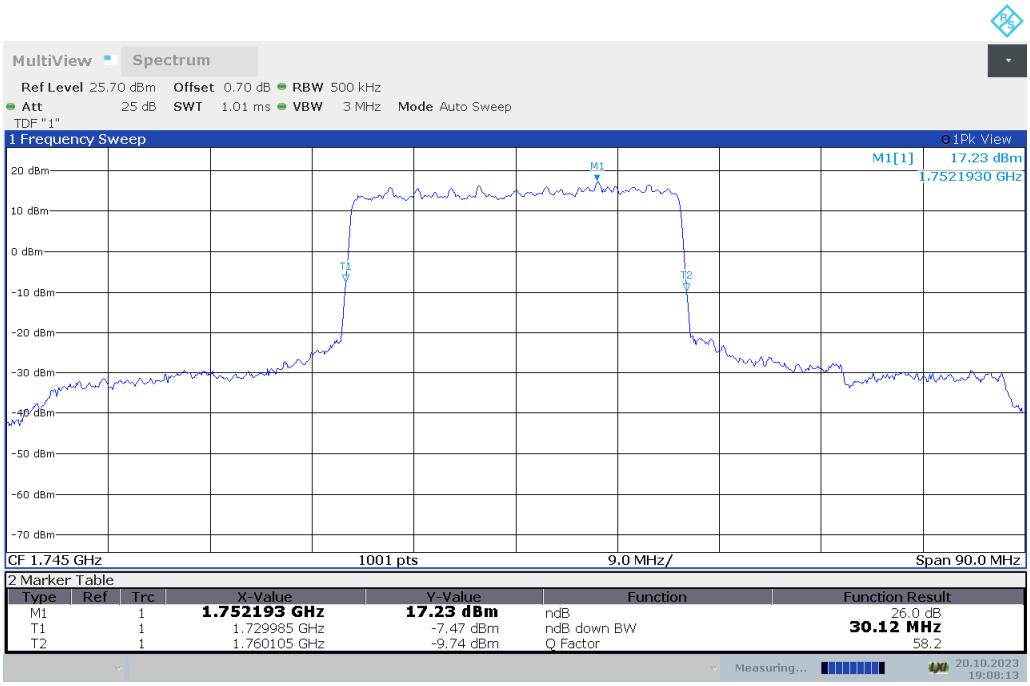


n66

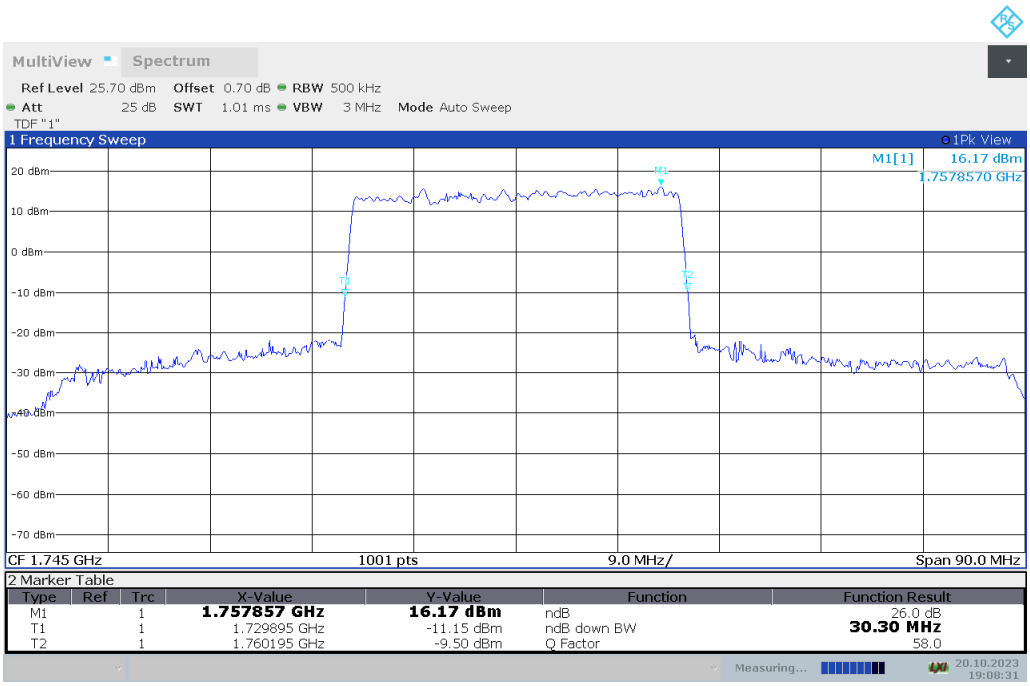
n66,30MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	30.120	30.300

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



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

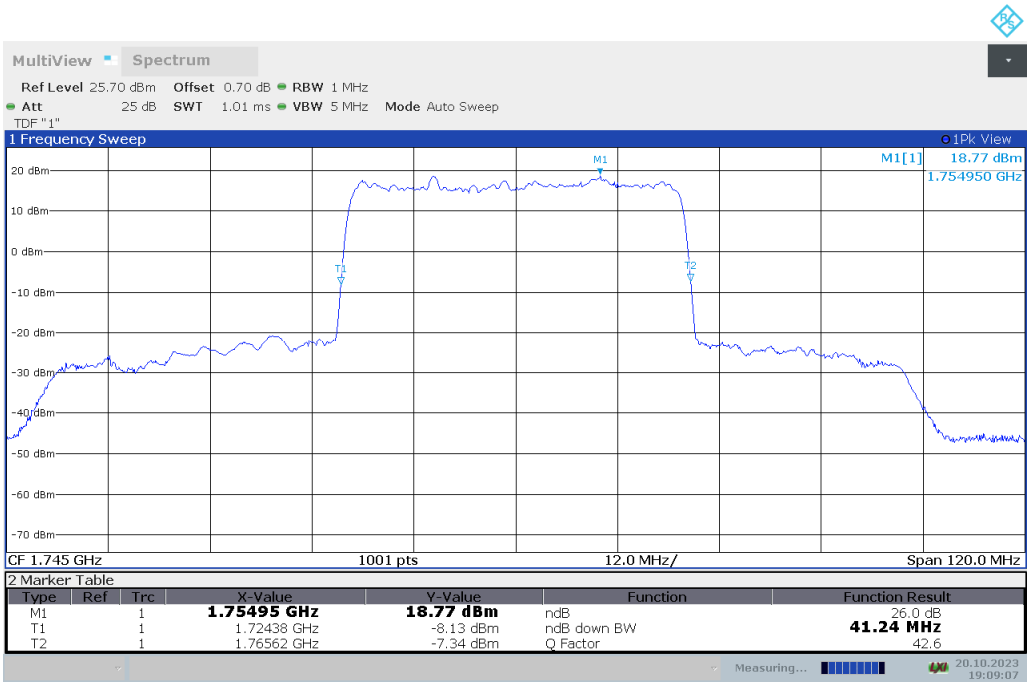


n66

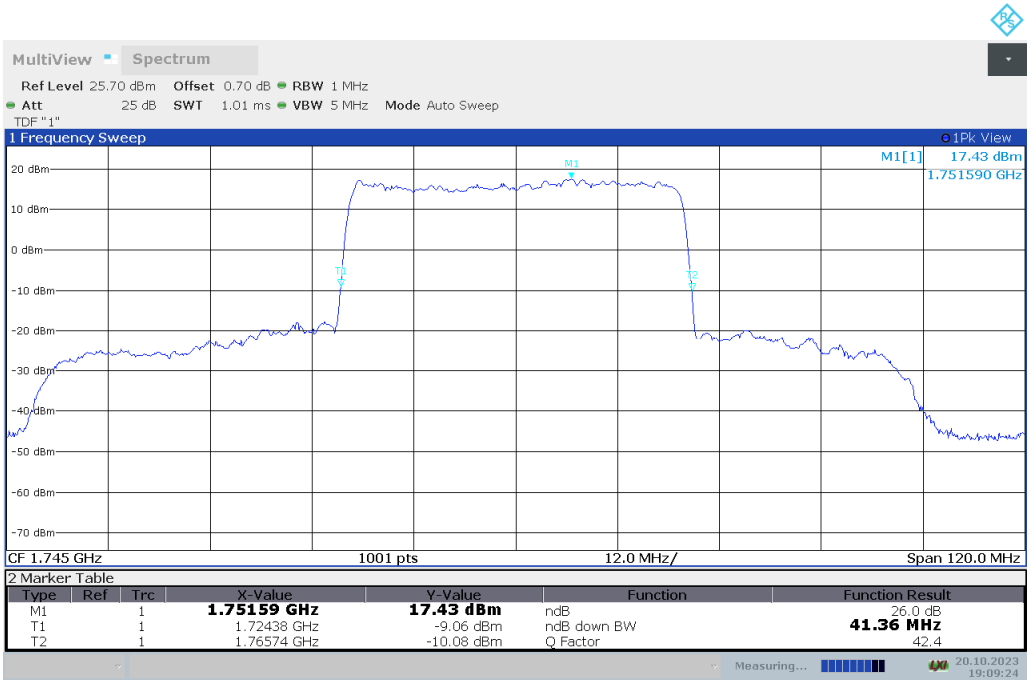
n66,40MHz(-26dBc BW)

Frequency (MHz)	Emission Bandwidth (-26dBc BW) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
1745	41.240	41.360

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



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



A.6 BAND EDGE COMPLIANCE

A.6.1 Measurement limit

Part 22.917 For operations in the 824–849MHz band, the FCC limit is 43 +10 log (P)dB below the transmitter power(P) in a 100kHz bandwidth.However,in the 1MHz 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.

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

Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than 40+ 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10log (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.

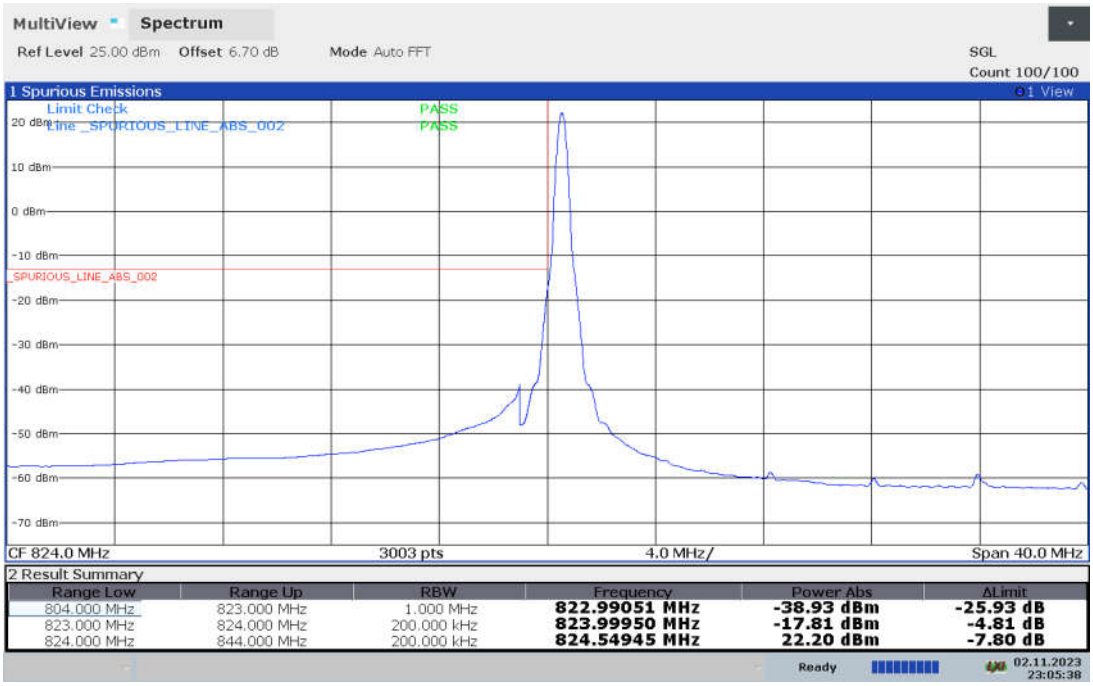
The spectrum analyzer readings are corrected by [10 log (1/duty cycle)] for the non-continuous transmitting scenario.

A.6.2 Measurement result

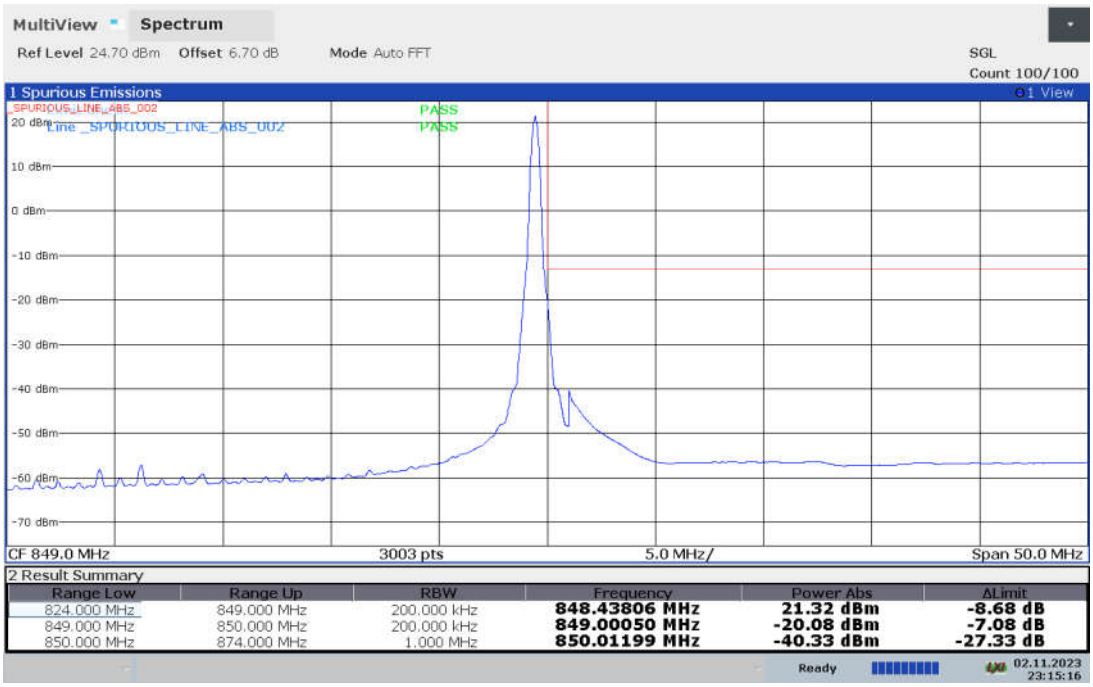
Only worst case result is given below

n5

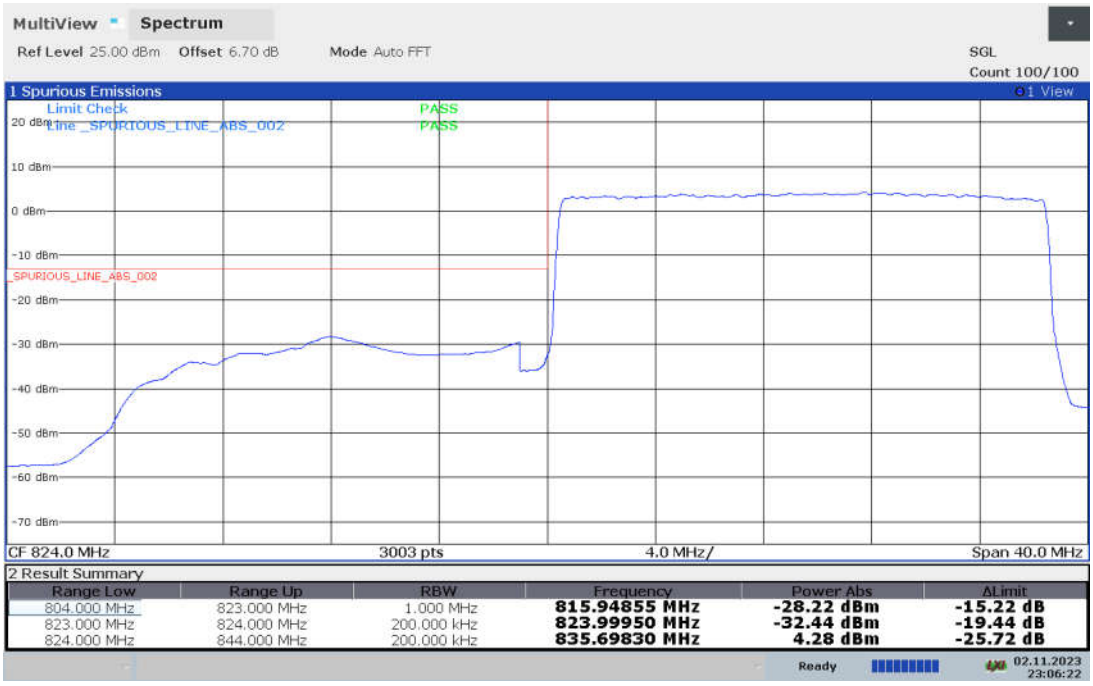
LOW BAND EDGE BLOCK-1RB-LOW_offset



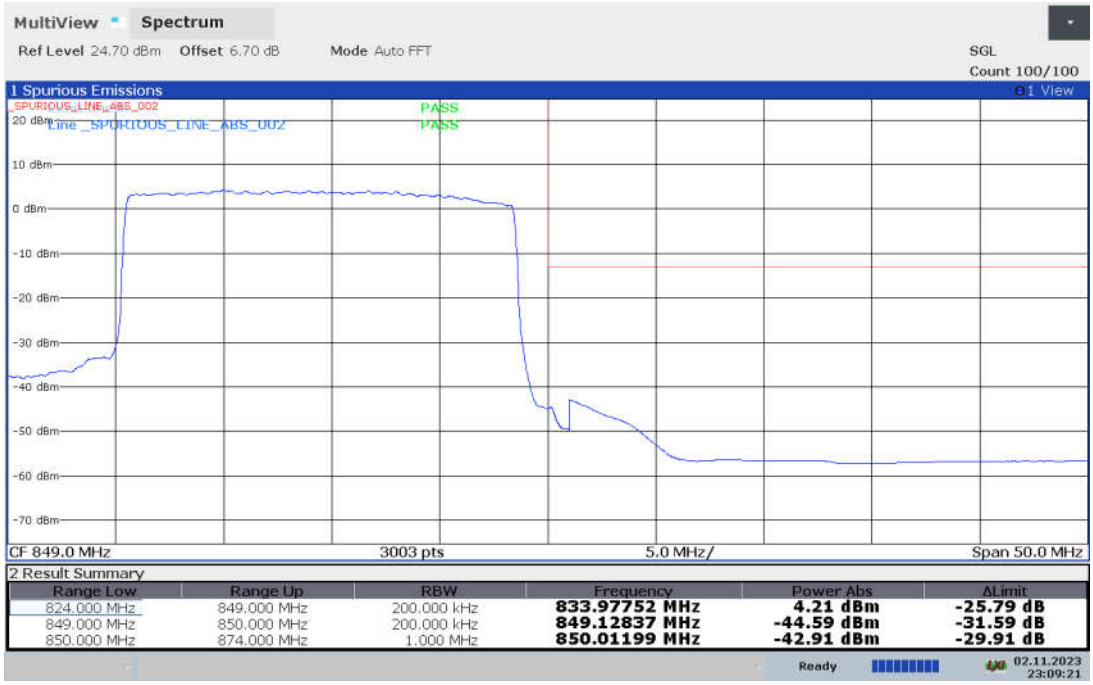
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



LOW BAND EDGE BLOCK-20M-100%RB

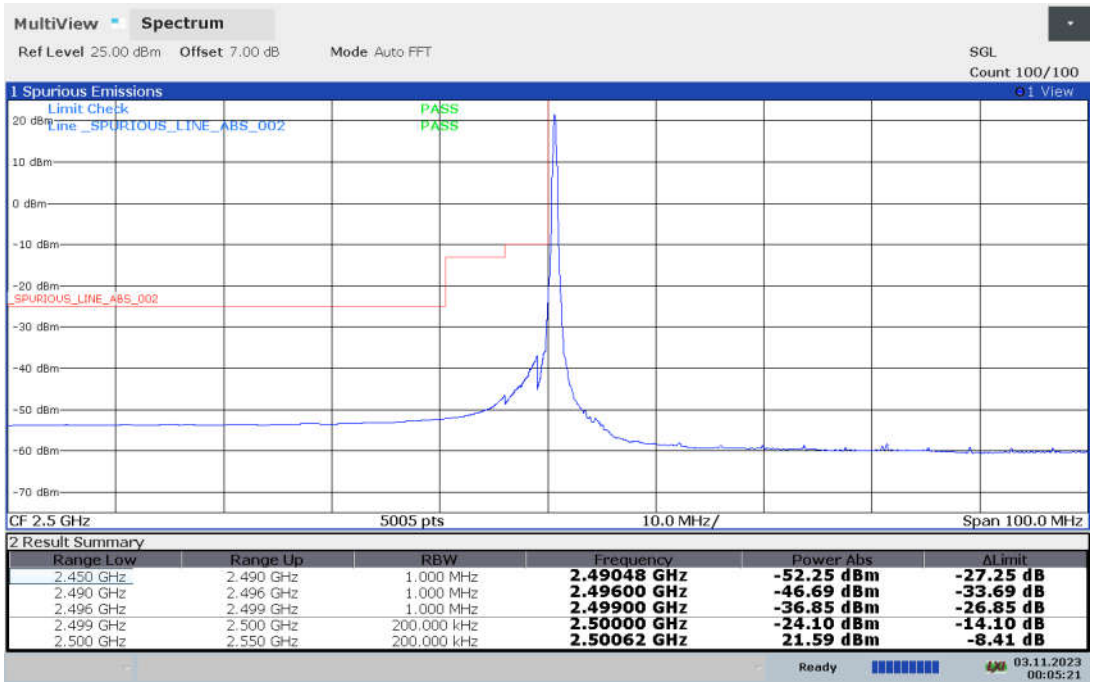


HIGH BAND EDGE BLOCK-20M-100%RB

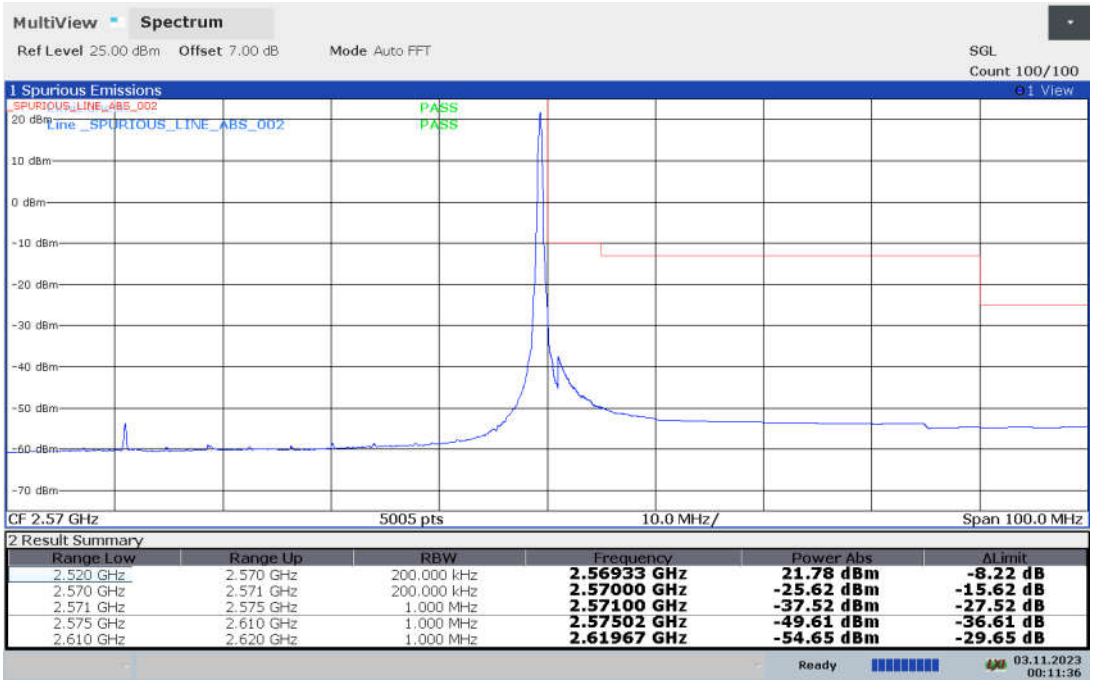


n7

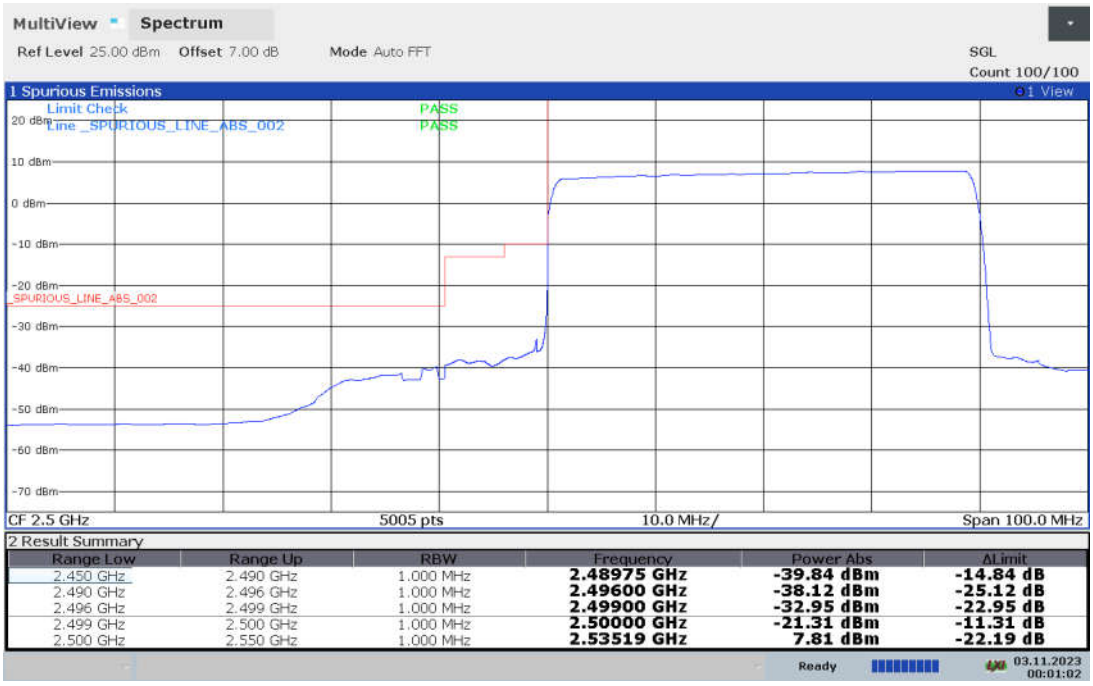
LOW BAND EDGE BLOCK-1RB-LOW_offset



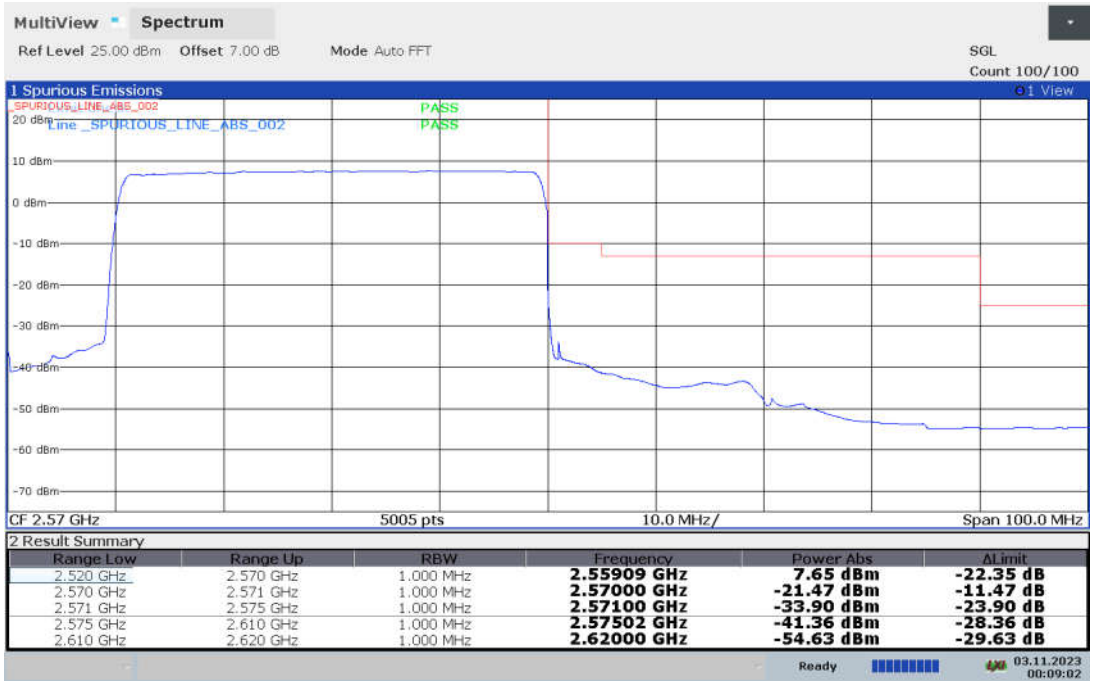
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



LOW BAND EDGE BLOCK-40M-100%RB

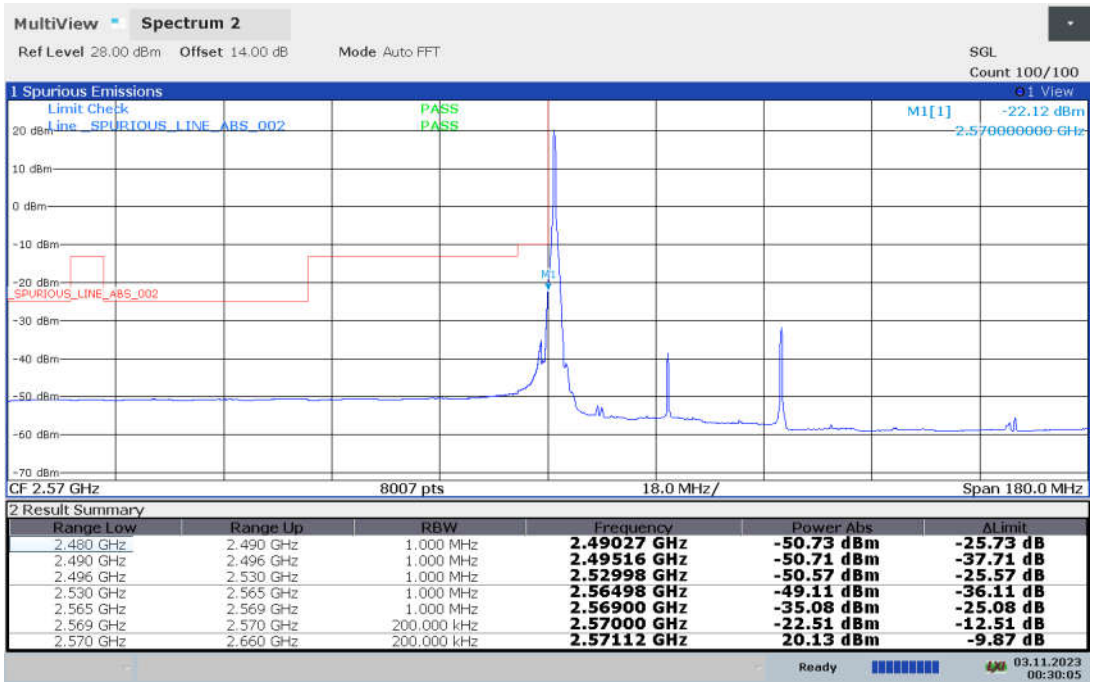


HIGH BAND EDGE BLOCK-40M-100%RB

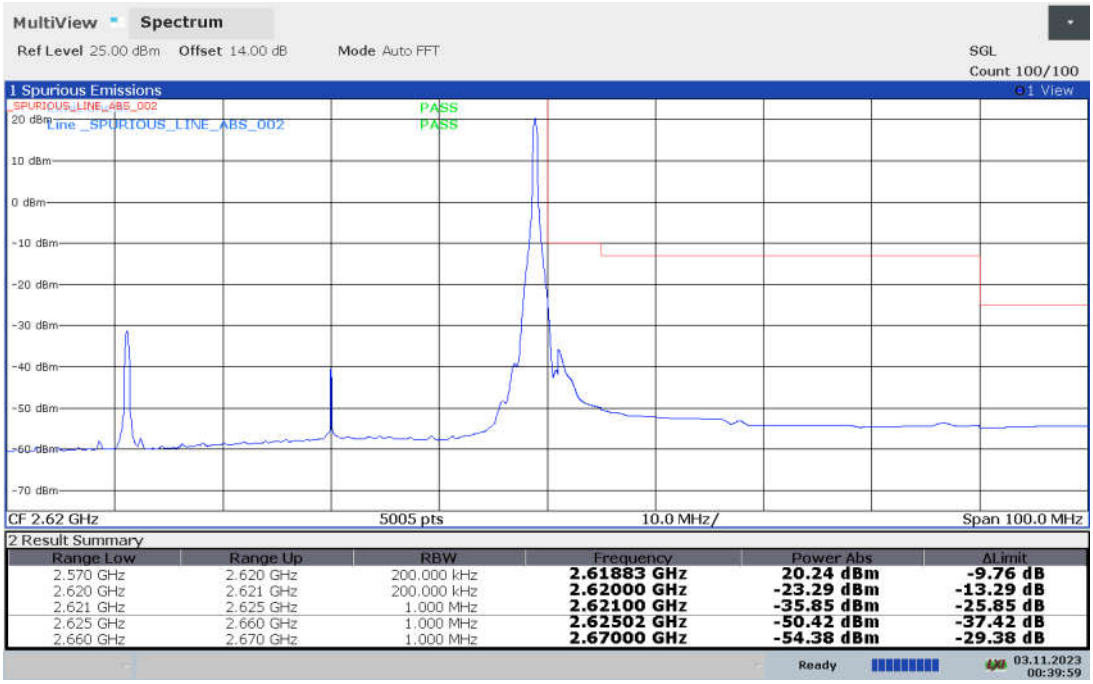


n38

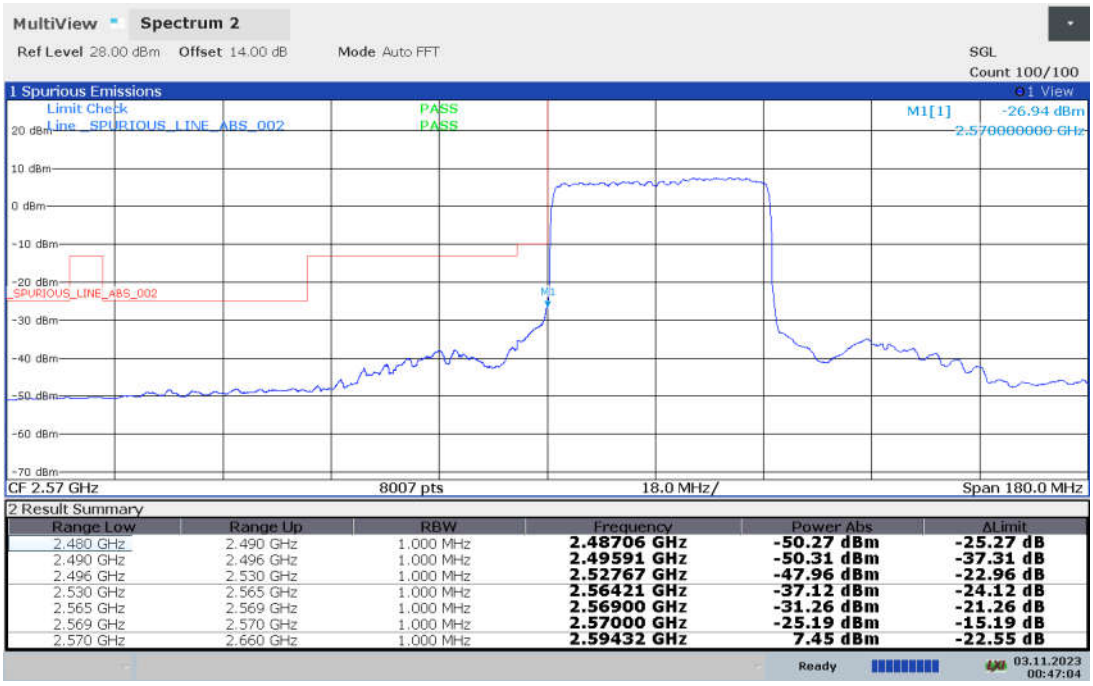
LOW BAND EDGE BLOCK-1RB-LOW_offset



HIGH BAND EDGE BLOCK-1RB-HIGH_offset



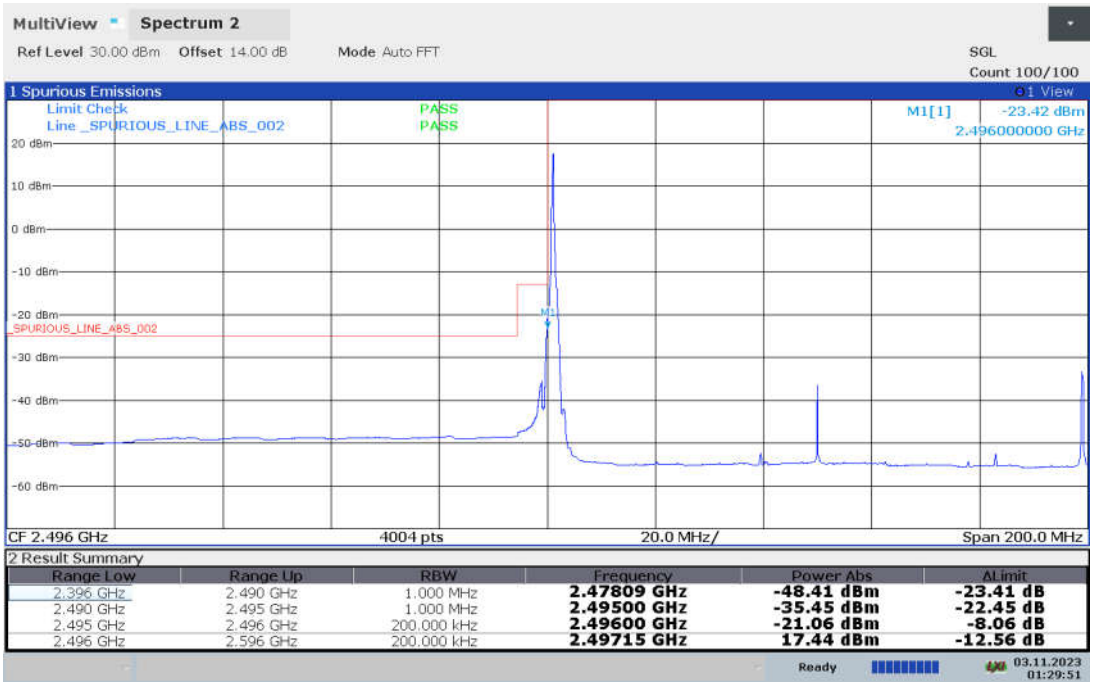
LOW BAND EDGE BLOCK-40M-100%RB



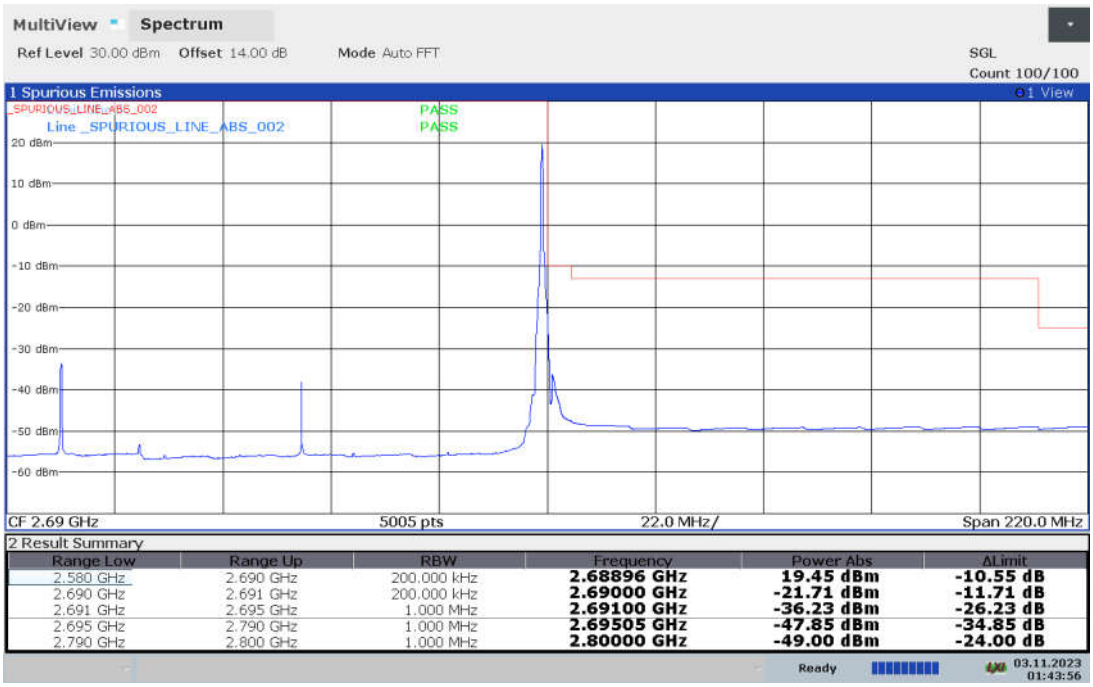
HIGH BAND EDGE BLOCK-40M-100%RB

n41

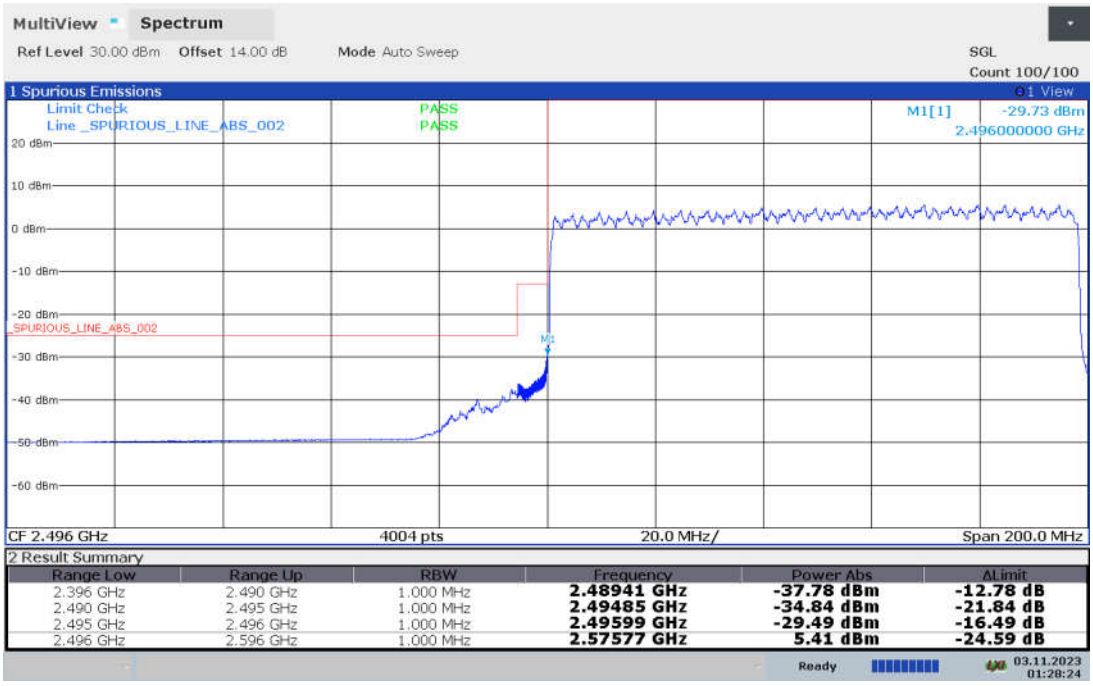
LOW BAND EDGE BLOCK-1RB-LOW_offset



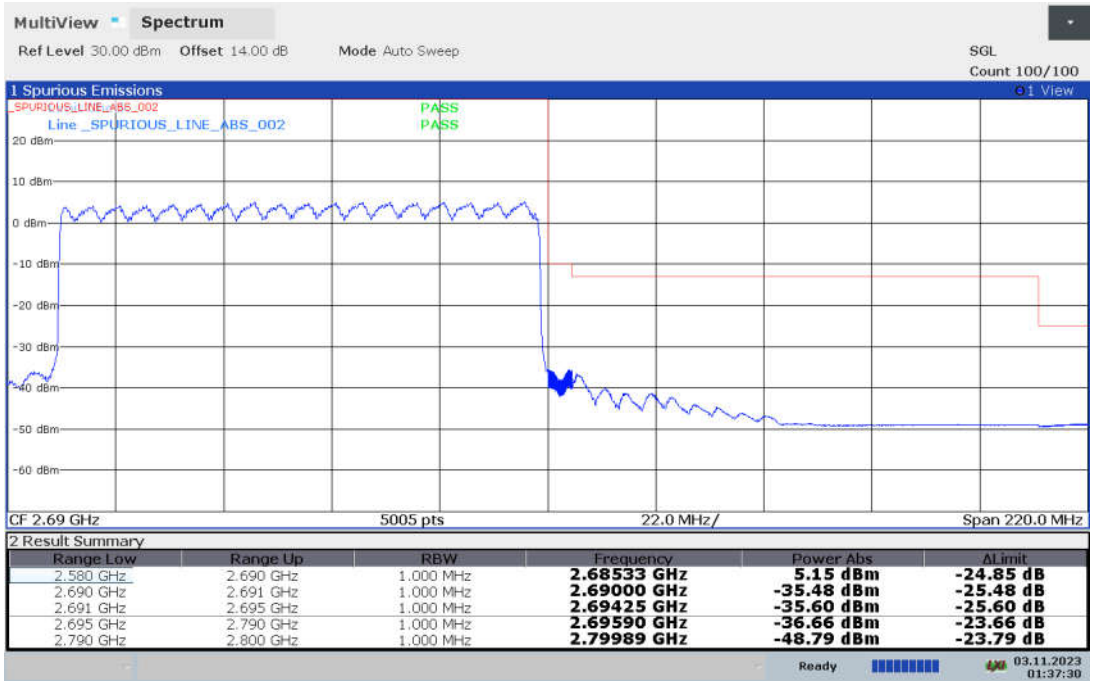
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



LOW BAND EDGE BLOCK-100M-100%RB

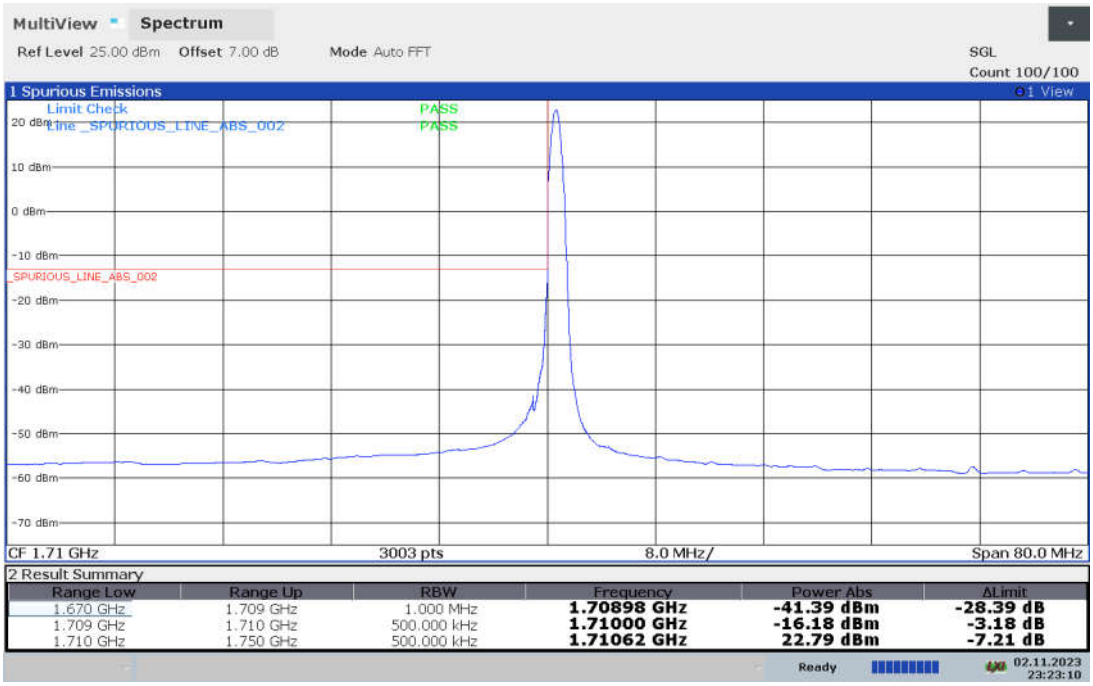


HIGH BAND EDGE BLOCK-100M-100%RB

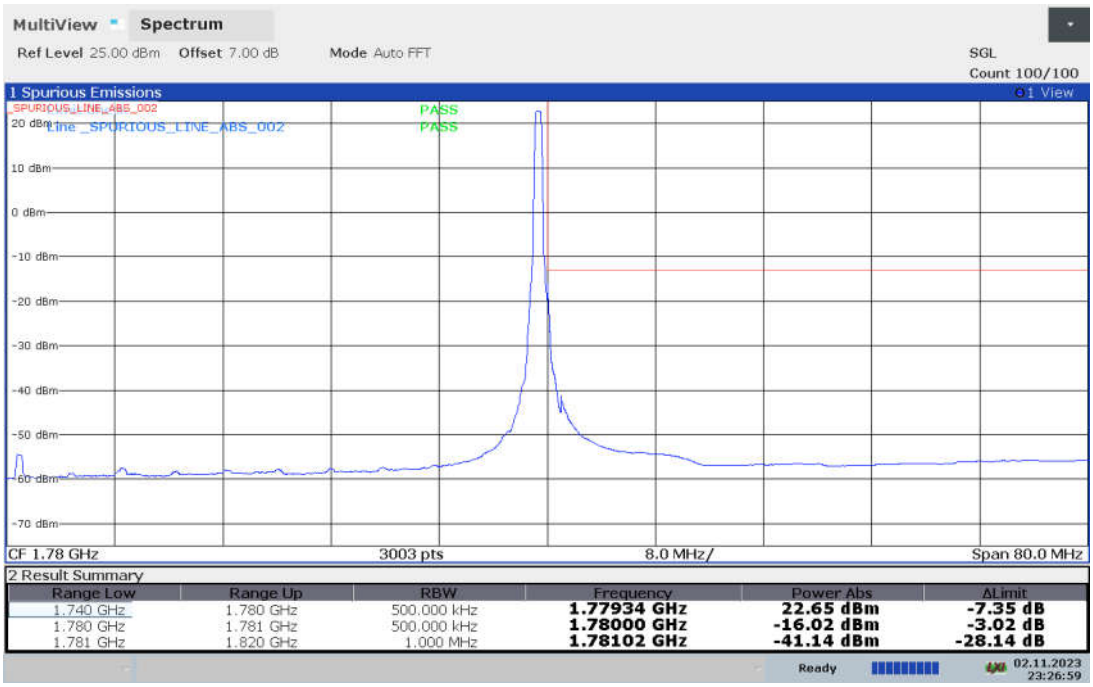


n66

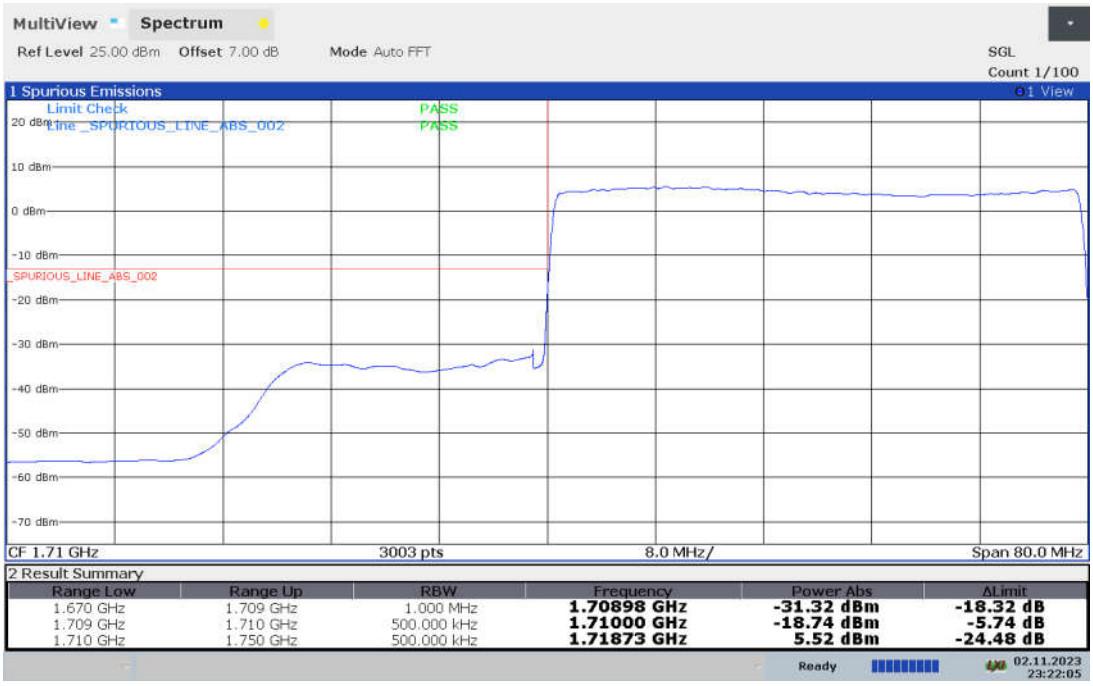
LOW BAND EDGE BLOCK-1RB-LOW_offset



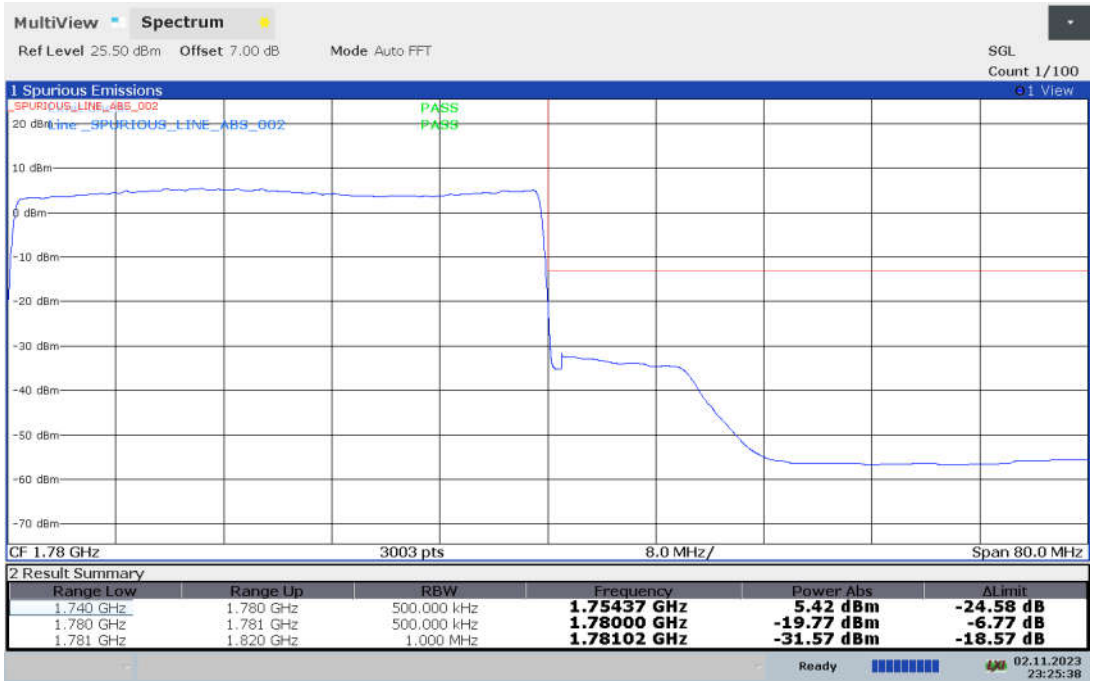
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



LOW BAND EDGE BLOCK-40M-100%RB



HIGH BAND EDGE BLOCK-40M-100%RB



Note: Expanded measurement uncertainty is U = 0.49dB(100KHz-2GHz)/1.21dB(2GHz-26.5GHz), k = 1.96

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 greater than 2×span/RBW

A.7.2 Measurement Limit

Part 22.917 For operations in the 824–849MHz band, the FCC limit is 43 +10 log (P)dB below the transmitter power(P) in a 100kHz bandwidth.However,in the 1MHz 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.

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

Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than 40+ 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10log (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.

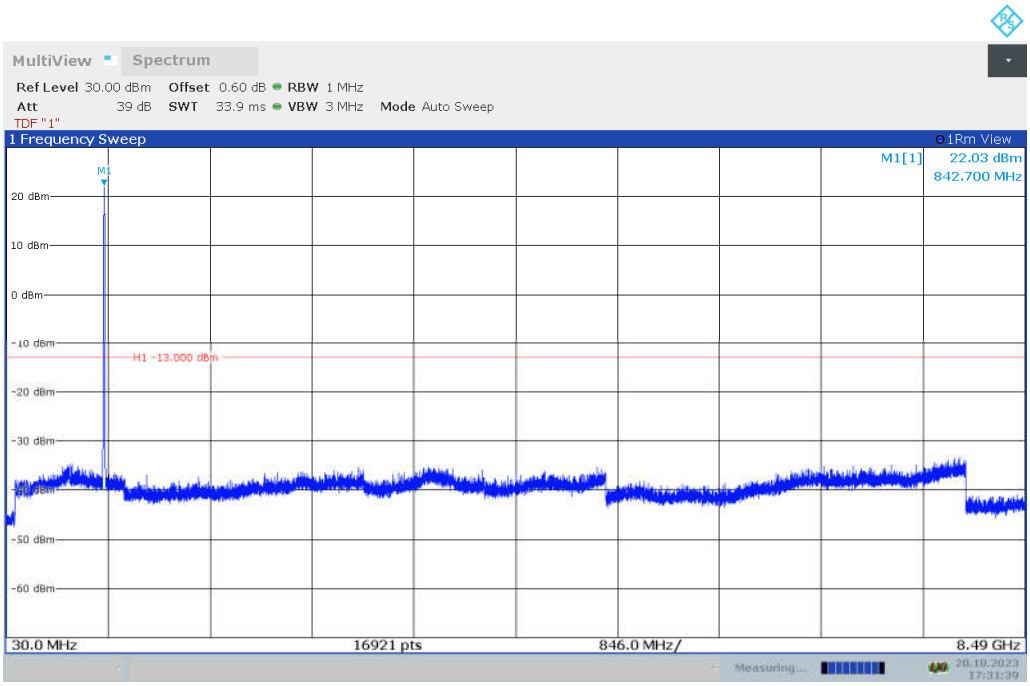
A.7.3 Measurement result

Only worst case result is given below

n5 : 30MHz –8.49GHz

Spurious emission limit –13dBm.

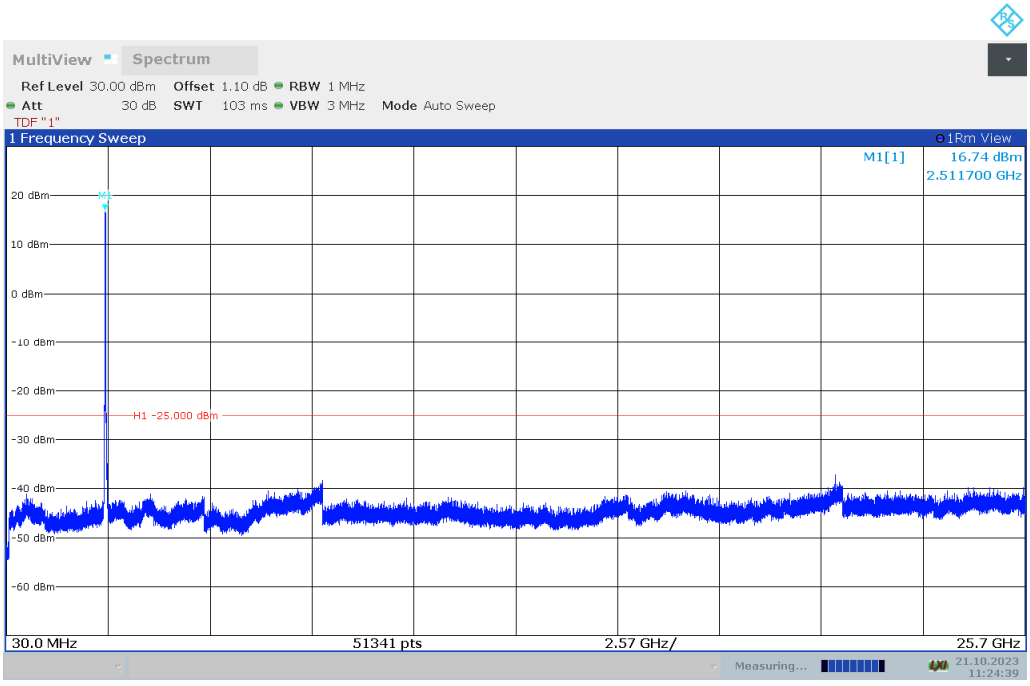
NOTE: peak above the limit line is the carrier frequency.



n7 : 30MHz –25.7GHz

Spurious emission limit –25dBm.

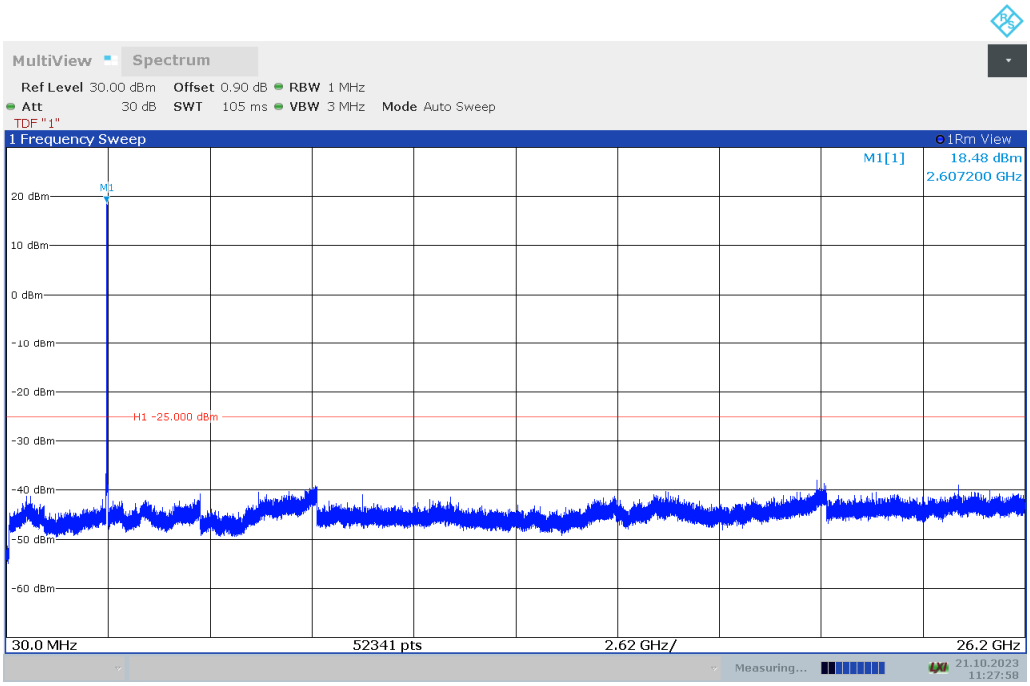
NOTE: peak above the limit line is the carrier frequency.



n38 : 30MHz –26.2GHz

Spurious emission limit –25dBm.

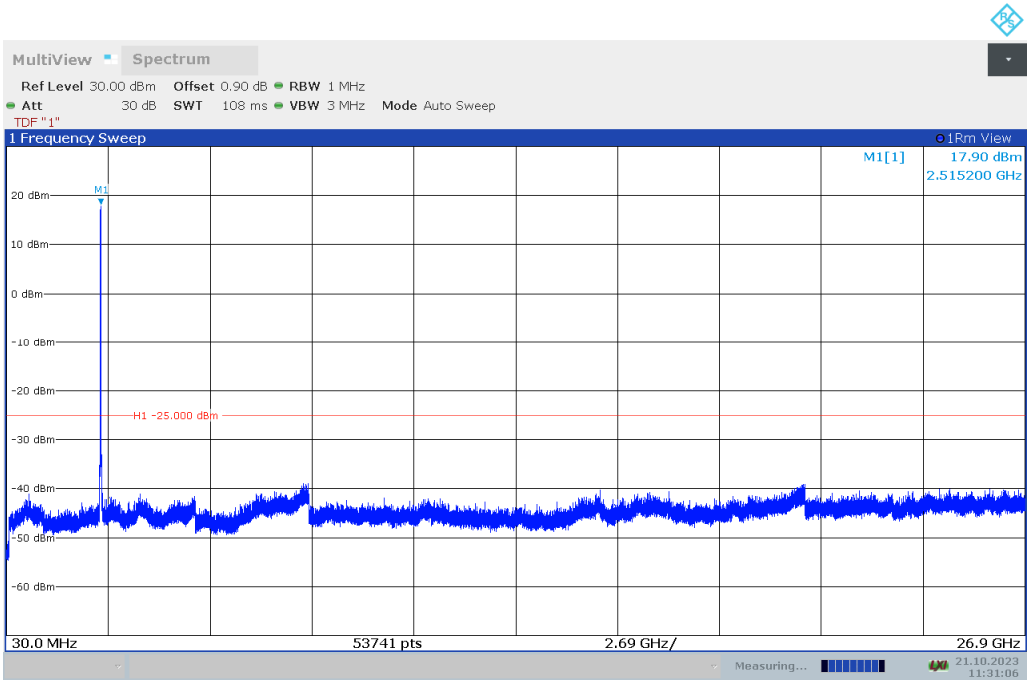
NOTE: peak above the limit line is the carrier frequency.



n41 : 30MHz –26.9GHz

Spurious emission limit –25dBm.

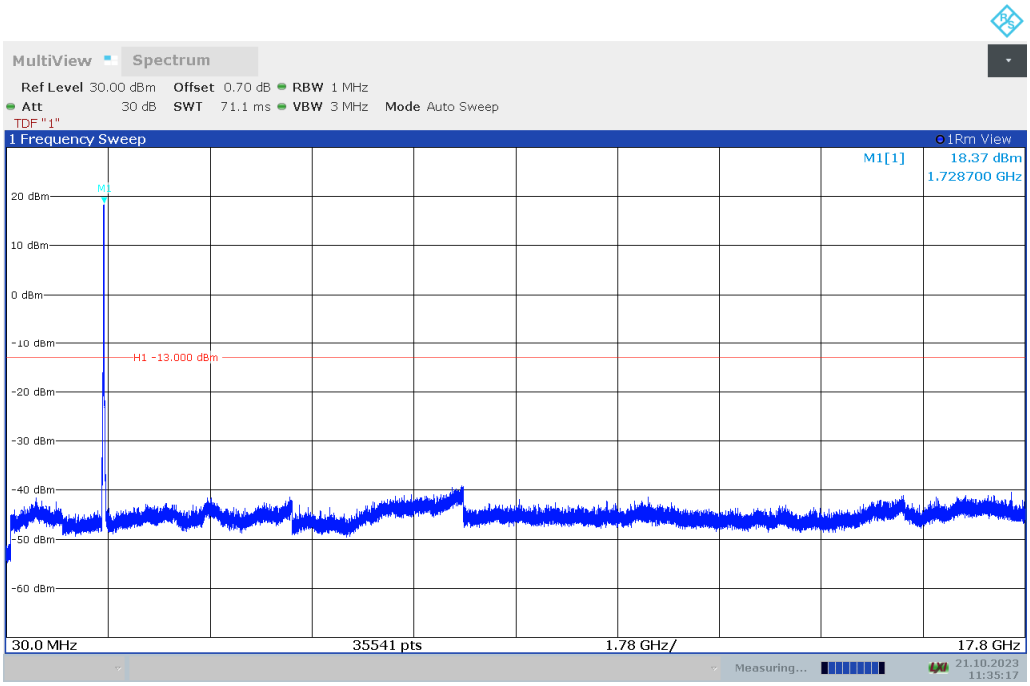
NOTE: peak above the limit line is the carrier frequency.



n66 : 30MHz –25.7GHz

Spurious emission limit –13dBm.

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



Note: Expanded measurement uncertainty is U = 0.49dB(100KHz-2GHz)/1.21dB(2GHz-26.5GHz), k = 1.96

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 ≥ 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

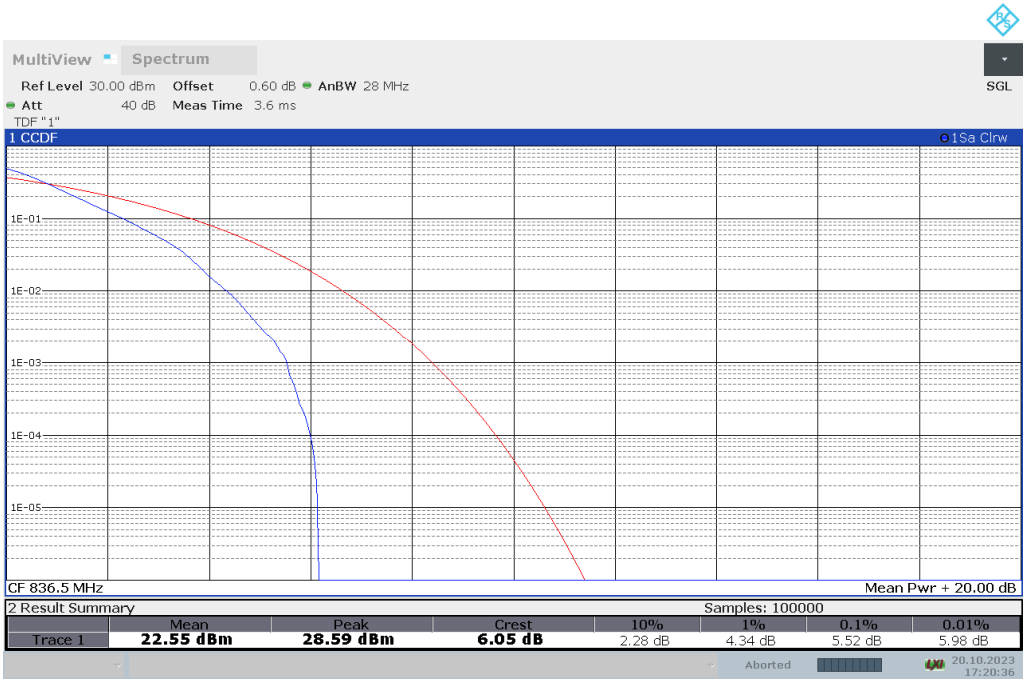
Only worst case result is given below

n5, 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
836.5	3.80	3.80	5.52	6.24	6.20	7.20	7.22	7.68	8.36

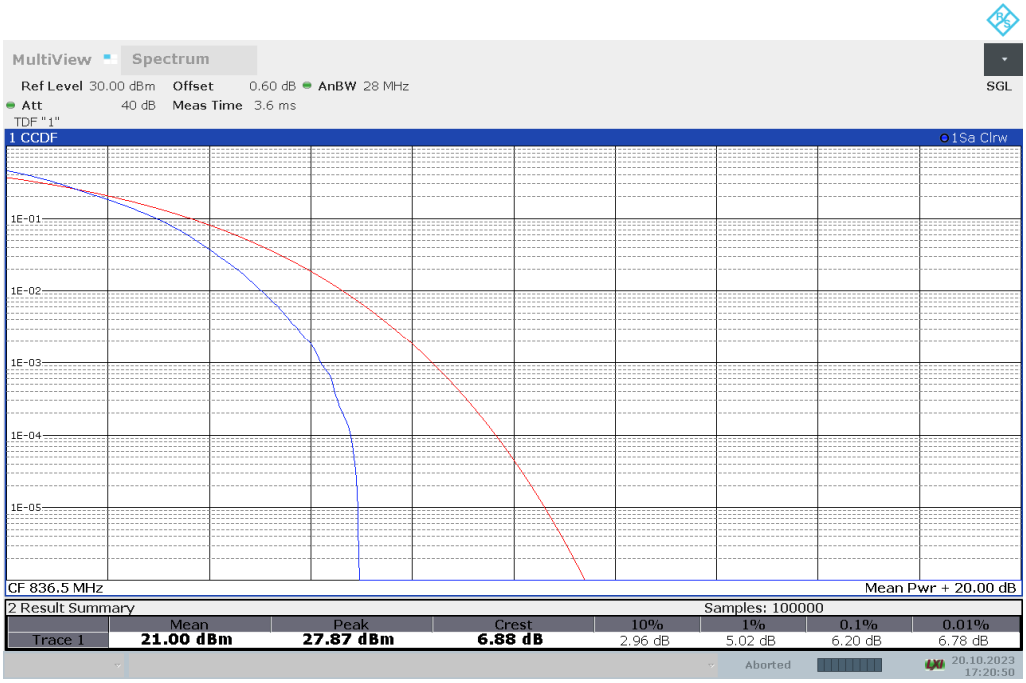
n5, DFT-s-pi/2 BPSK (PAPR)

n5, DFT-s-QPSK (PAPR)



n5, DFT-s-16QAM (PAPR)

n5, DFT-s-64QAM (PAPR)



n5, DFT-s-256QAM (PAPR)

n5, CP-QPSK (PAPR)

n5, CP-16QAM (PAPR)

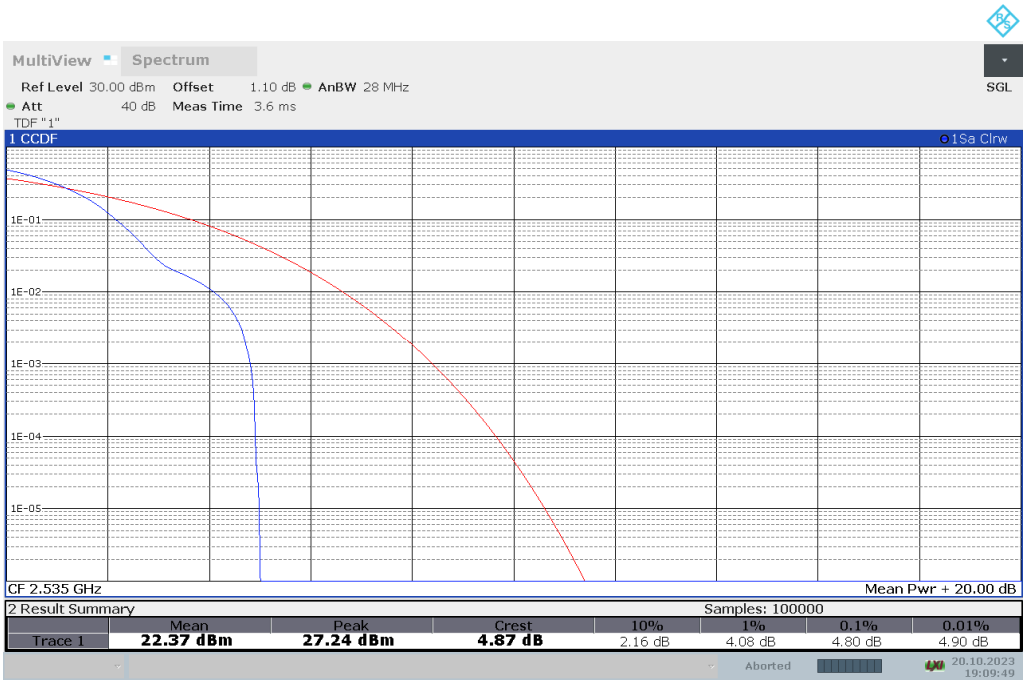
n5, CP-64QAM (PAPR)

n5, CP-256QAM (PAPR)

n7, 40MHz

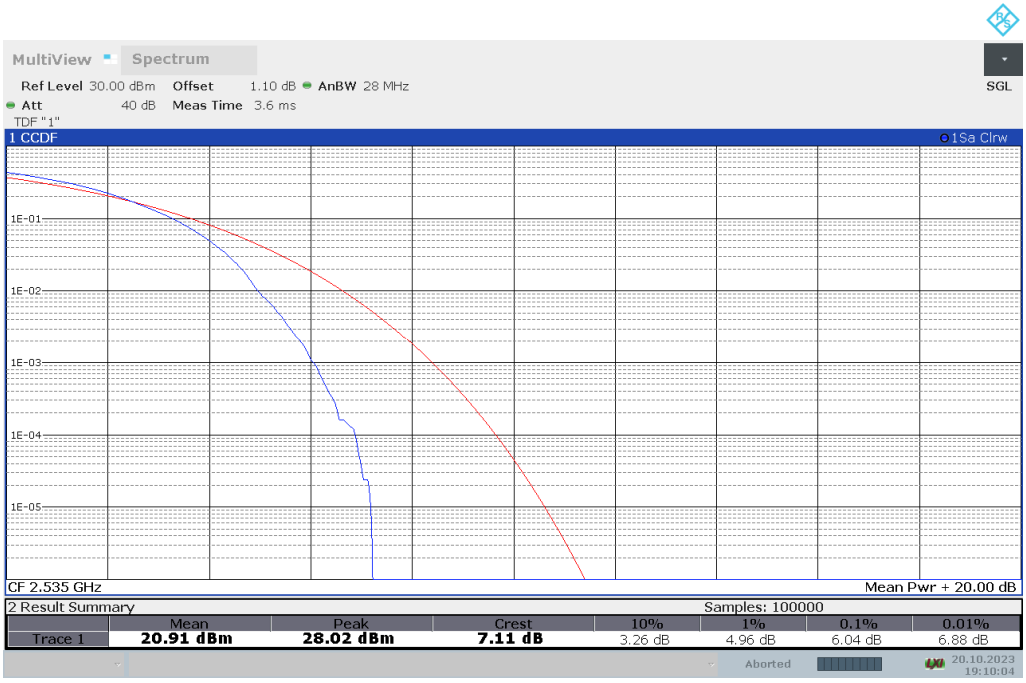
Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
2535	4.80	5.02	6.04	6.46	6.54	7.62	7.70	8.04	8.32

n7, DFT-s-pi/2 BPSK (PAPR)

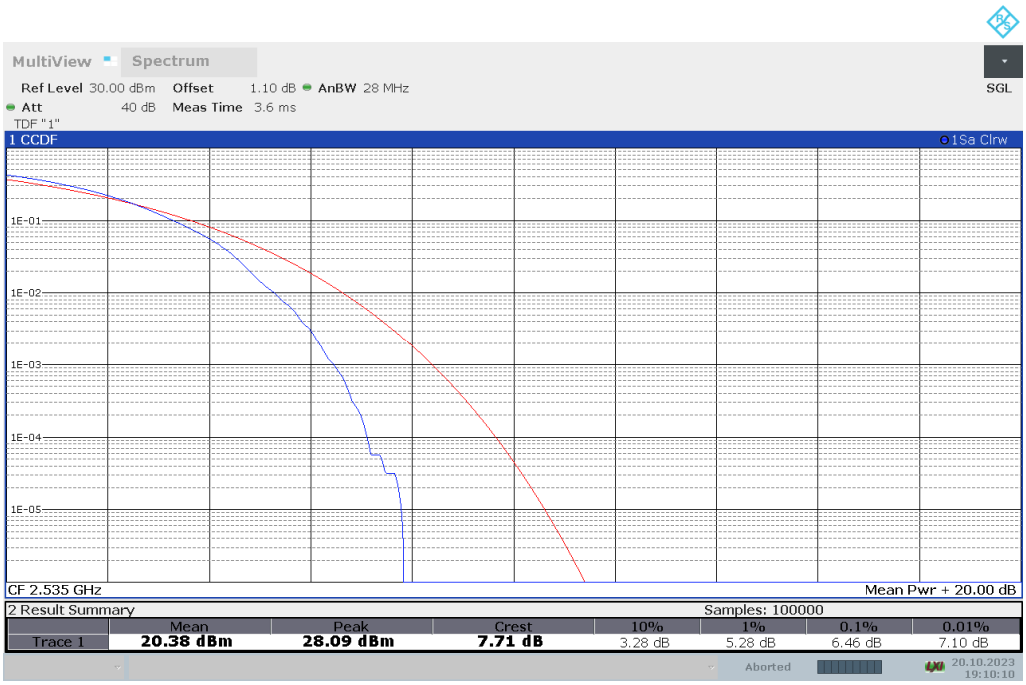


n7, DFT-s-QPSK (PAPR)

n7, DFT-s-16QAM (PAPR)



n7, DFT-s-64QAM (PAPR)



n7, DFT-s-256QAM (PAPR)

n7, CP-QPSK (PAPR)

n7, CP-16QAM (PAPR)

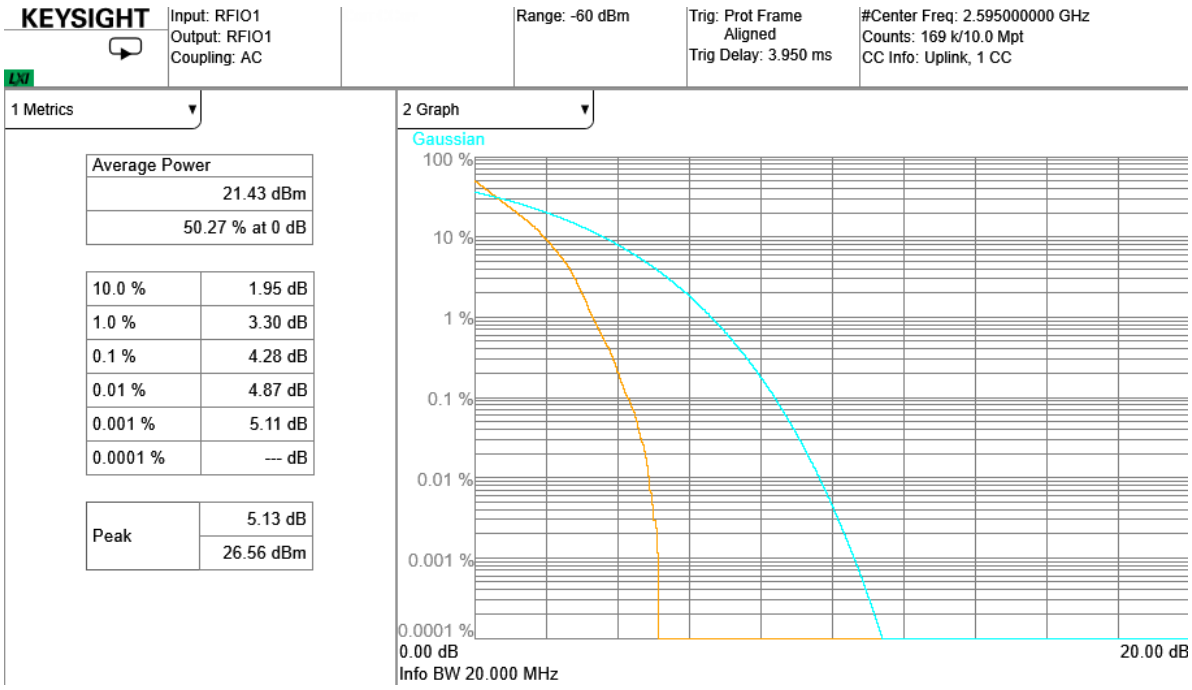
n7, CP-64QAM (PAPR)

n7, CP-256QAM (PAPR)

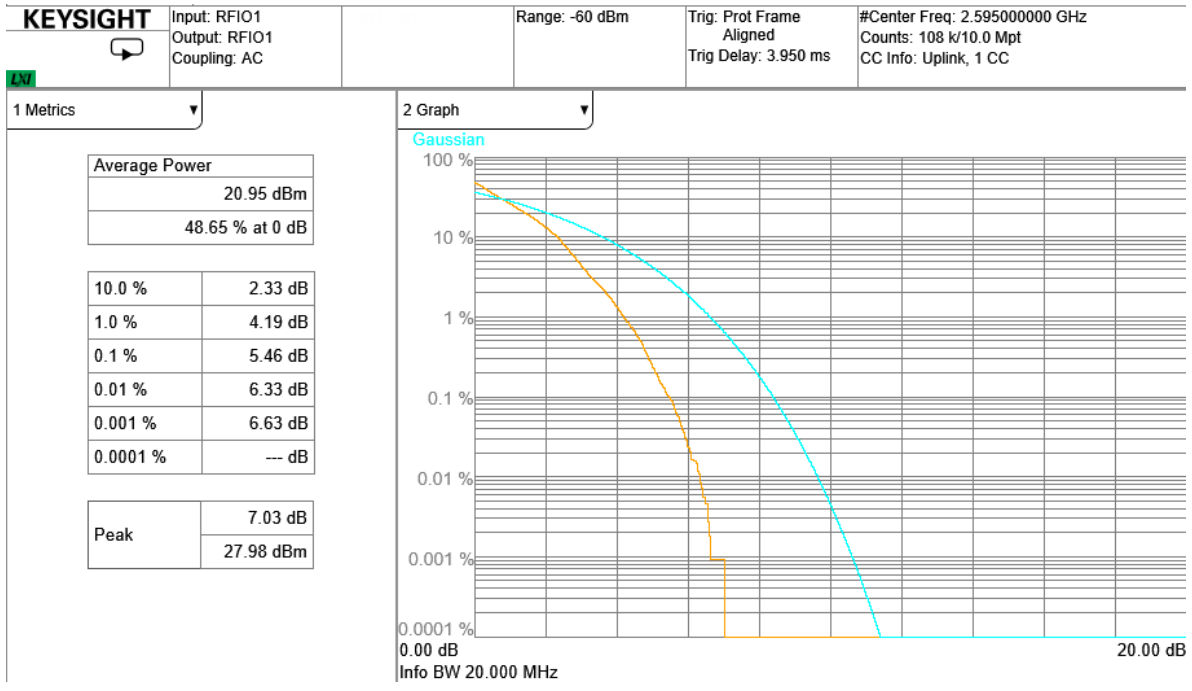
n38, 40MHz

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
2595.0	4.28	5.46	6.12	6.31	6.01	7.82	8.00	7.90	7.54

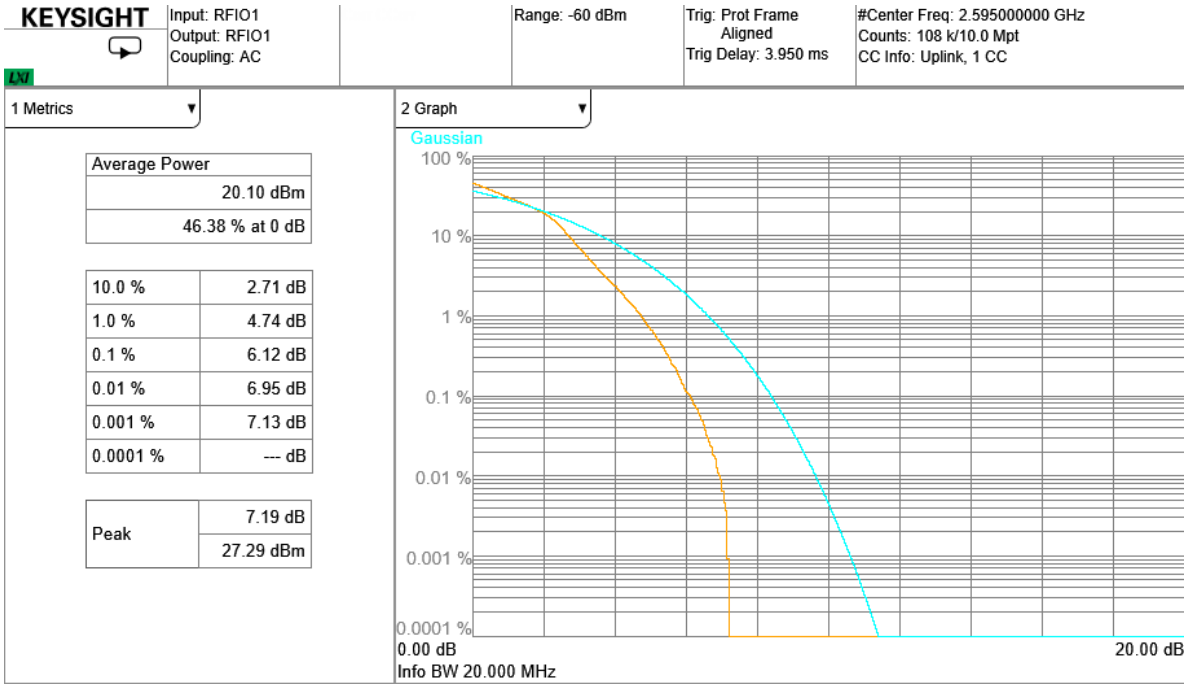
n38, DFT-s-pi/2 BPSK (PAPR)



n38, DFT-s-QPSK (PAPR)



n38, DFT-s-16QAM (PAPR)

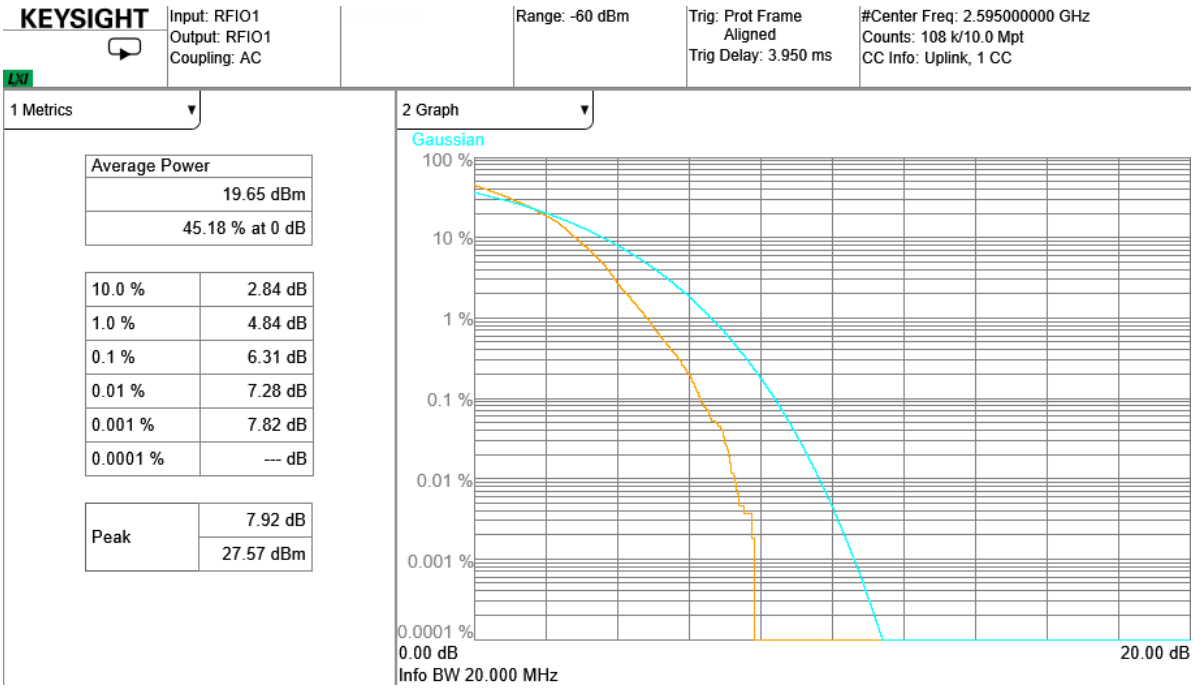


Average Power
20.10 dBm
46.38 % at 0 dB

10.0 %	2.71 dB
1.0 %	4.74 dB
0.1 %	6.12 dB
0.01 %	6.95 dB
0.001 %	7.13 dB
0.0001 %	--- dB

Peak	7.19 dB
	27.29 dBm

n38, DFT-s-64QAM (PAPR)

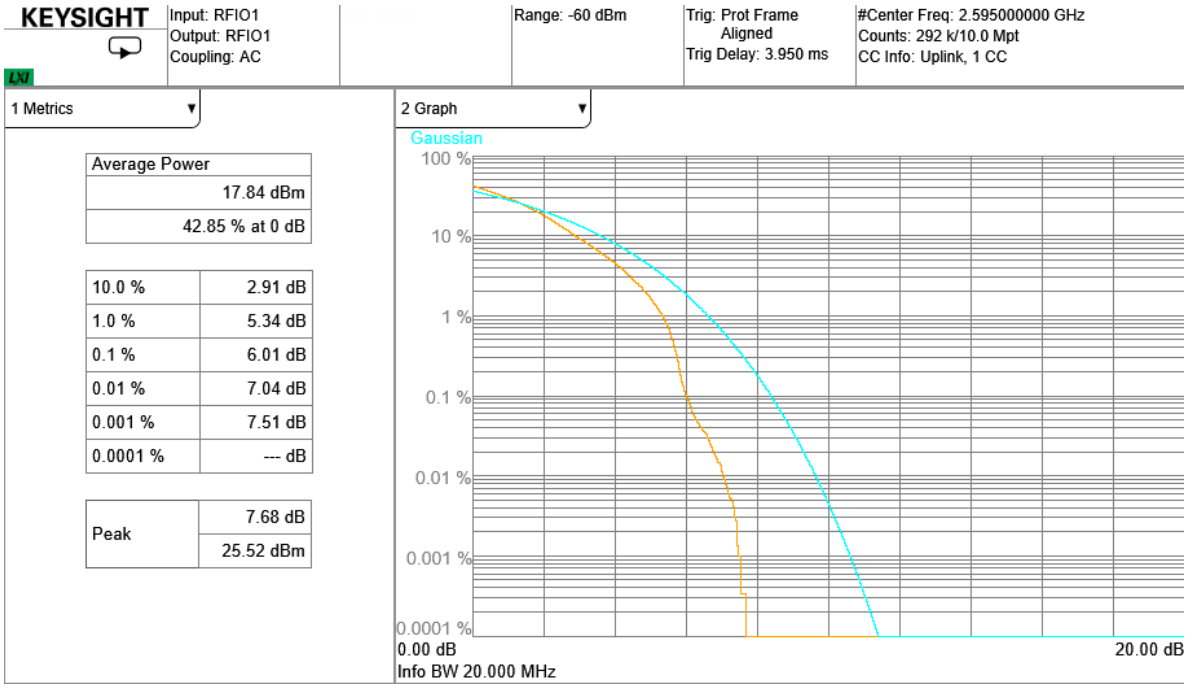


Average Power
19.65 dBm
45.18 % at 0 dB

10.0 %	2.84 dB
1.0 %	4.84 dB
0.1 %	6.31 dB
0.01 %	7.28 dB
0.001 %	7.82 dB
0.0001 %	--- dB

Peak	7.92 dB
	27.57 dBm

n38, DFT-s-256QAM (PAPR)

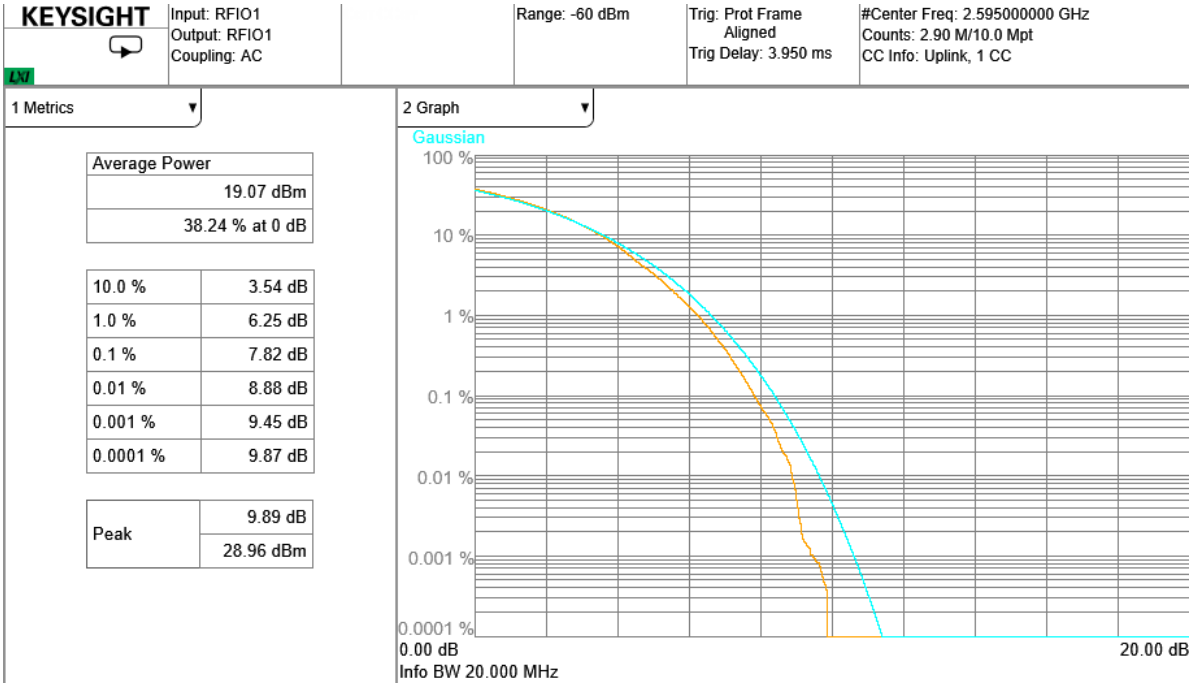


Average Power
17.84 dBm
42.85 % at 0 dB

10.0 %	2.91 dB
1.0 %	5.34 dB
0.1 %	6.01 dB
0.01 %	7.04 dB
0.001 %	7.51 dB
0.0001 %	--- dB

Peak	7.68 dB
	25.52 dBm

n38, CP-QPSK (PAPR)

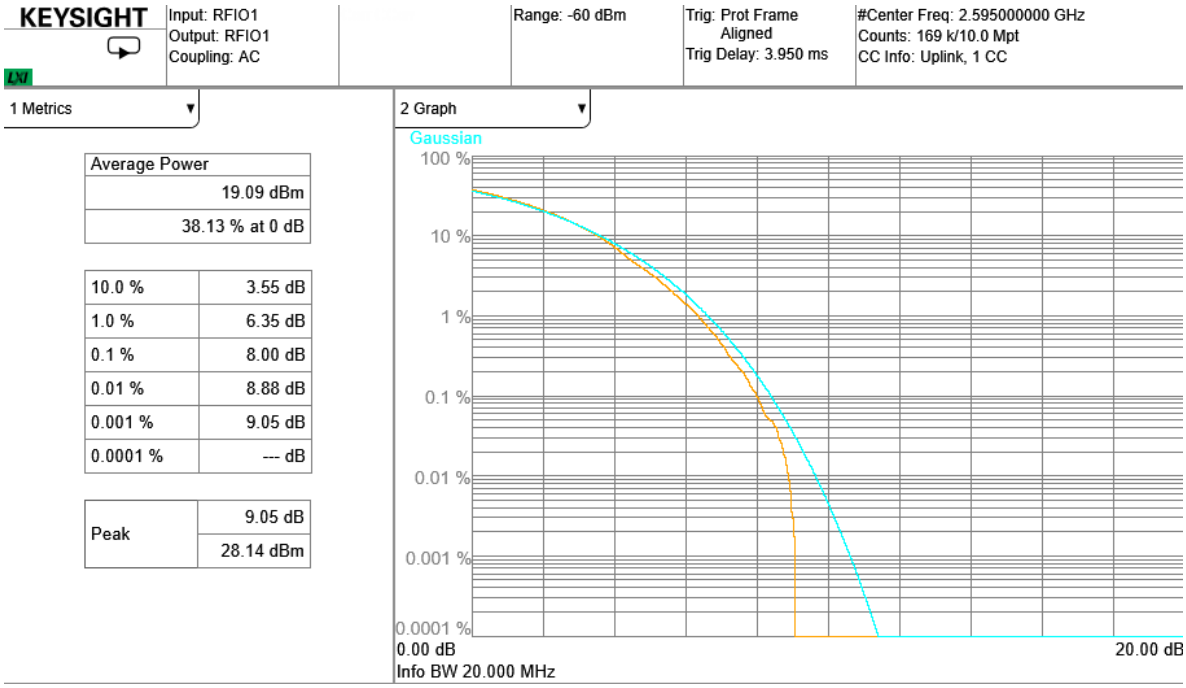


Average Power
19.07 dBm
38.24 % at 0 dB

10.0 %	3.54 dB
1.0 %	6.25 dB
0.1 %	7.82 dB
0.01 %	8.88 dB
0.001 %	9.45 dB
0.0001 %	9.87 dB

Peak	9.89 dB
	28.96 dBm

n38, CP-16QAM (PAPR)

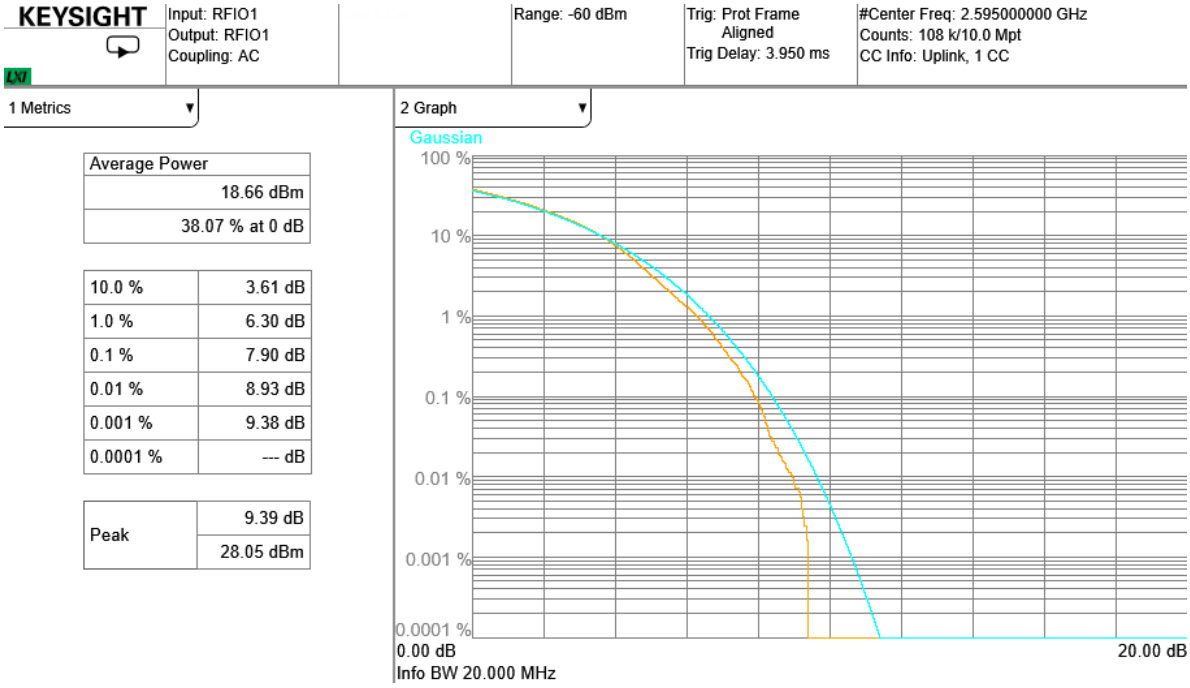


Average Power
19.09 dBm
38.13 % at 0 dB

10.0 %	3.55 dB
1.0 %	6.35 dB
0.1 %	8.00 dB
0.01 %	8.88 dB
0.001 %	9.05 dB
0.0001 %	--- dB

Peak	9.05 dB
	28.14 dBm

n38, CP-64QAM (PAPR)

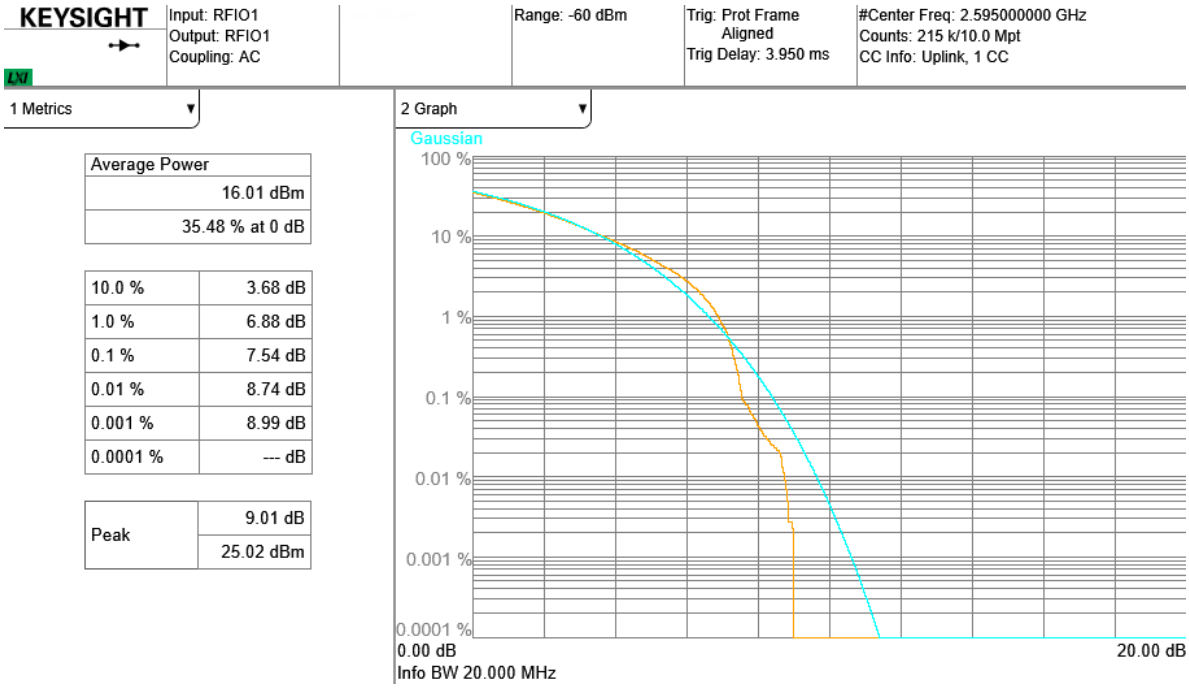


Average Power
18.66 dBm
38.07 % at 0 dB

10.0 %	3.61 dB
1.0 %	6.30 dB
0.1 %	7.90 dB
0.01 %	8.93 dB
0.001 %	9.38 dB
0.0001 %	--- dB

Peak	9.39 dB
	28.05 dBm

n38, CP-256QAM (PAPR)



Average Power
16.01 dBm
35.48 % at 0 dB

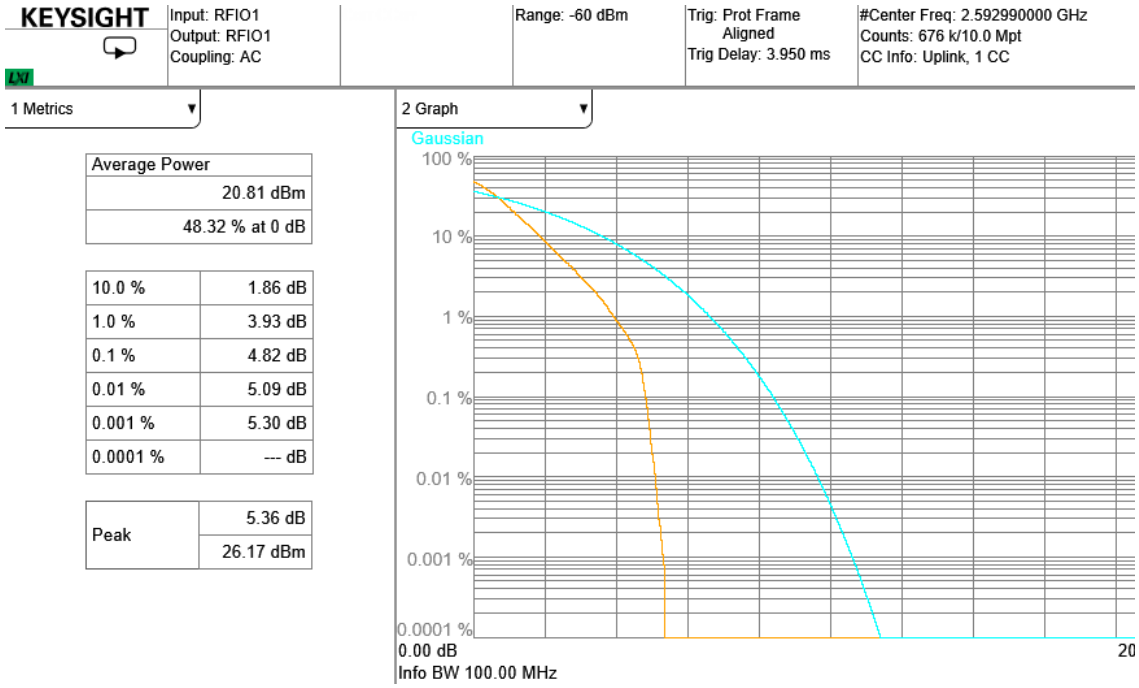
10.0 %	3.68 dB
1.0 %	6.88 dB
0.1 %	7.54 dB
0.01 %	8.74 dB
0.001 %	8.99 dB
0.0001 %	--- dB

Peak	9.01 dB
	25.02 dBm

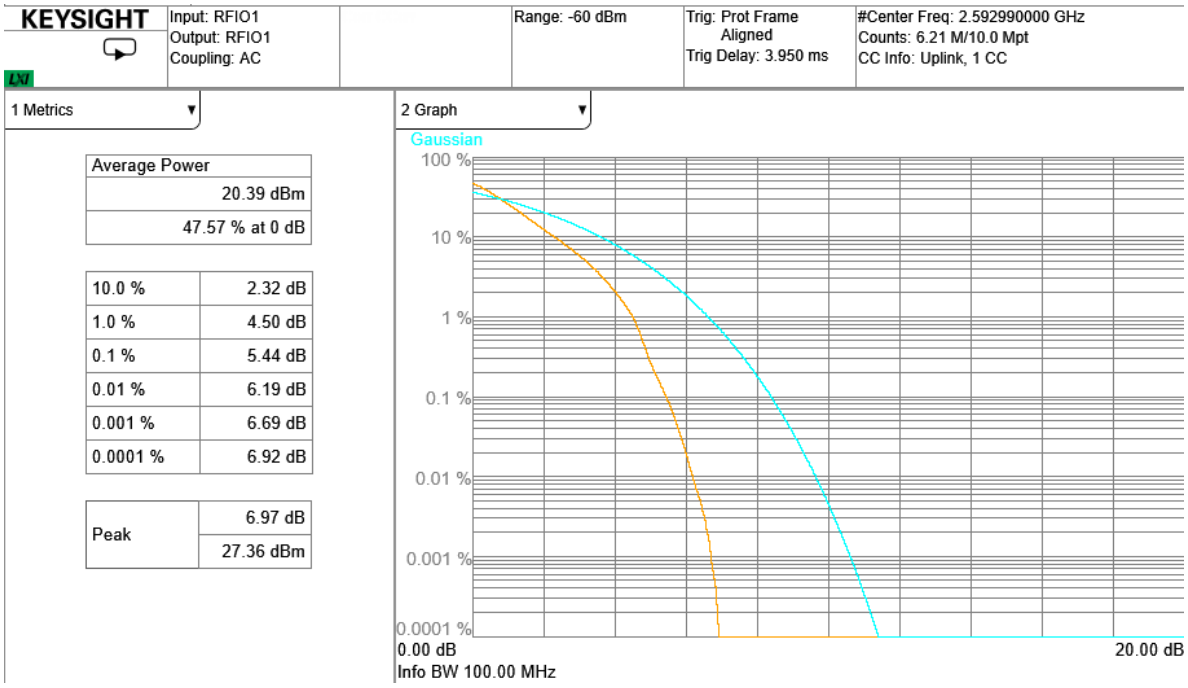
n41, 100MHz

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
2593.0	4.82	5.44	6.15	6.25	6.08	7.96	7.92	7.97	7.48

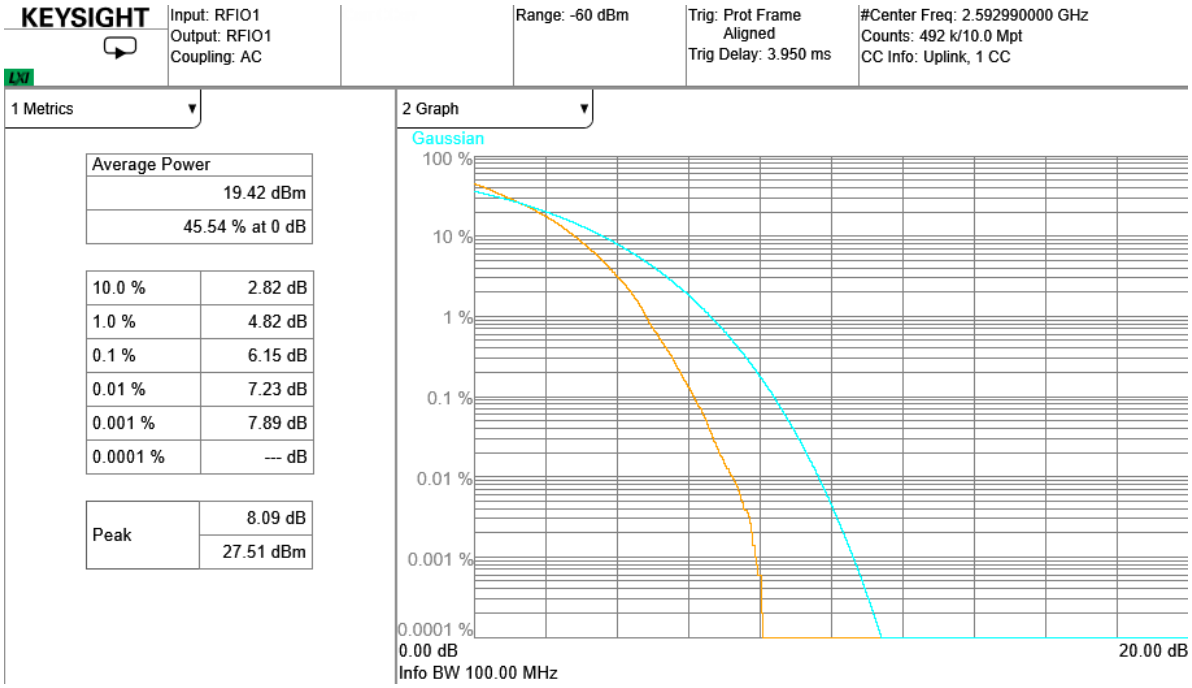
n41, DFT-s-pi/2 BPSK (PAPR)



n41, DFT-s-QPSK (PAPR)



n41, DFT-s-16QAM (PAPR)

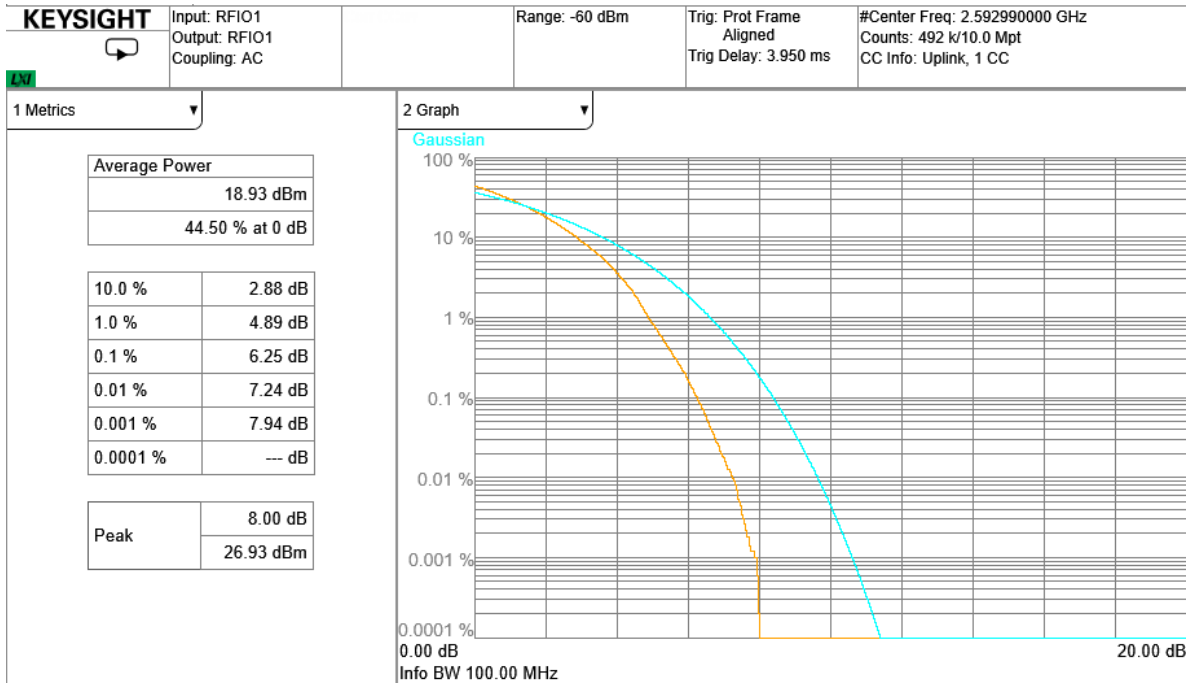


Average Power
19.42 dBm
45.54 % at 0 dB

10.0 %	2.82 dB
1.0 %	4.82 dB
0.1 %	6.15 dB
0.01 %	7.23 dB
0.001 %	7.89 dB
0.0001 %	--- dB

Peak	8.09 dB
	27.51 dBm

n41, DFT-s-64QAM (PAPR)

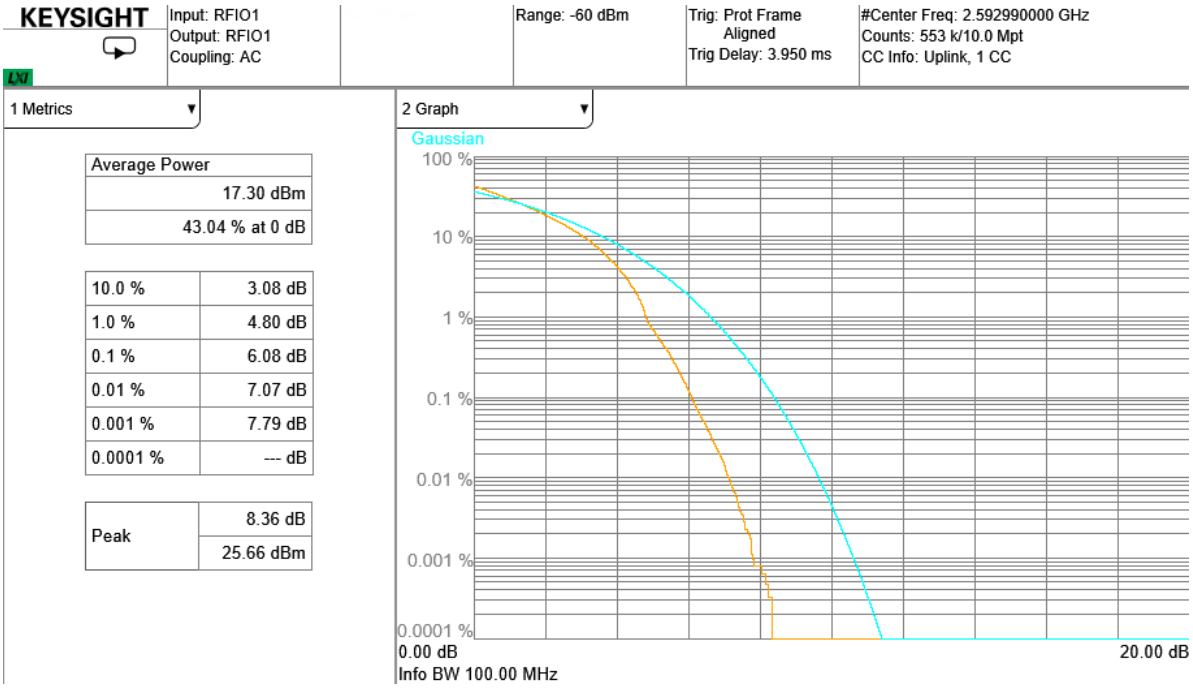


Average Power
18.93 dBm
44.50 % at 0 dB

10.0 %	2.88 dB
1.0 %	4.89 dB
0.1 %	6.25 dB
0.01 %	7.24 dB
0.001 %	7.94 dB
0.0001 %	--- dB

Peak	8.00 dB
	26.93 dBm

n41, DFT-s-256QAM (PAPR)

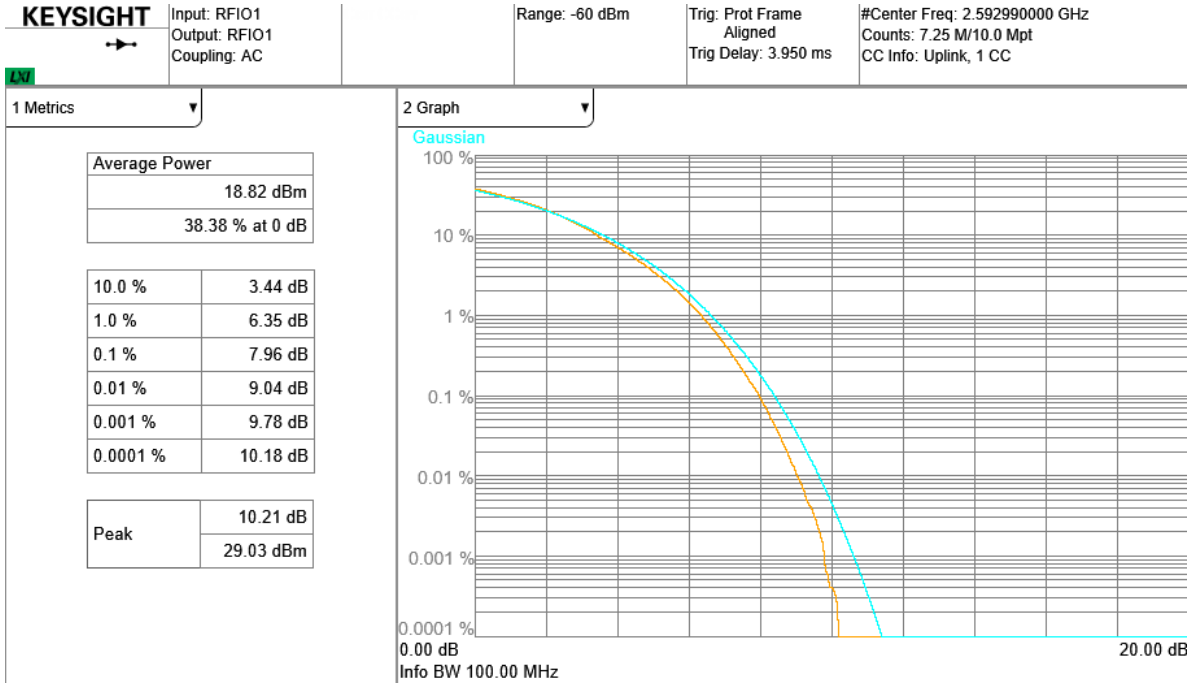


Average Power
17.30 dBm
43.04 % at 0 dB

10.0 %	3.08 dB
1.0 %	4.80 dB
0.1 %	6.08 dB
0.01 %	7.07 dB
0.001 %	7.79 dB
0.0001 %	--- dB

Peak	8.36 dB
	25.66 dBm

n41, CP-QPSK (PAPR)

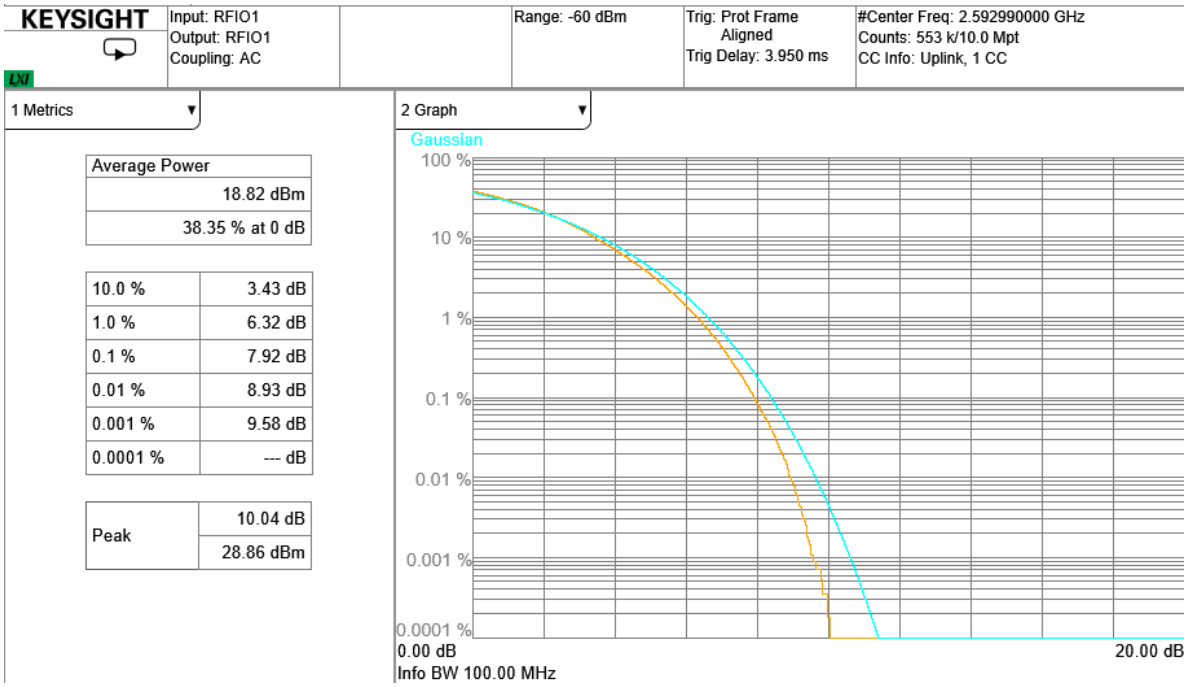


Average Power
18.82 dBm
38.38 % at 0 dB

10.0 %	3.44 dB
1.0 %	6.35 dB
0.1 %	7.96 dB
0.01 %	9.04 dB
0.001 %	9.78 dB
0.0001 %	10.18 dB

Peak	10.21 dB
	29.03 dBm

n41, CP-16QAM (PAPR)

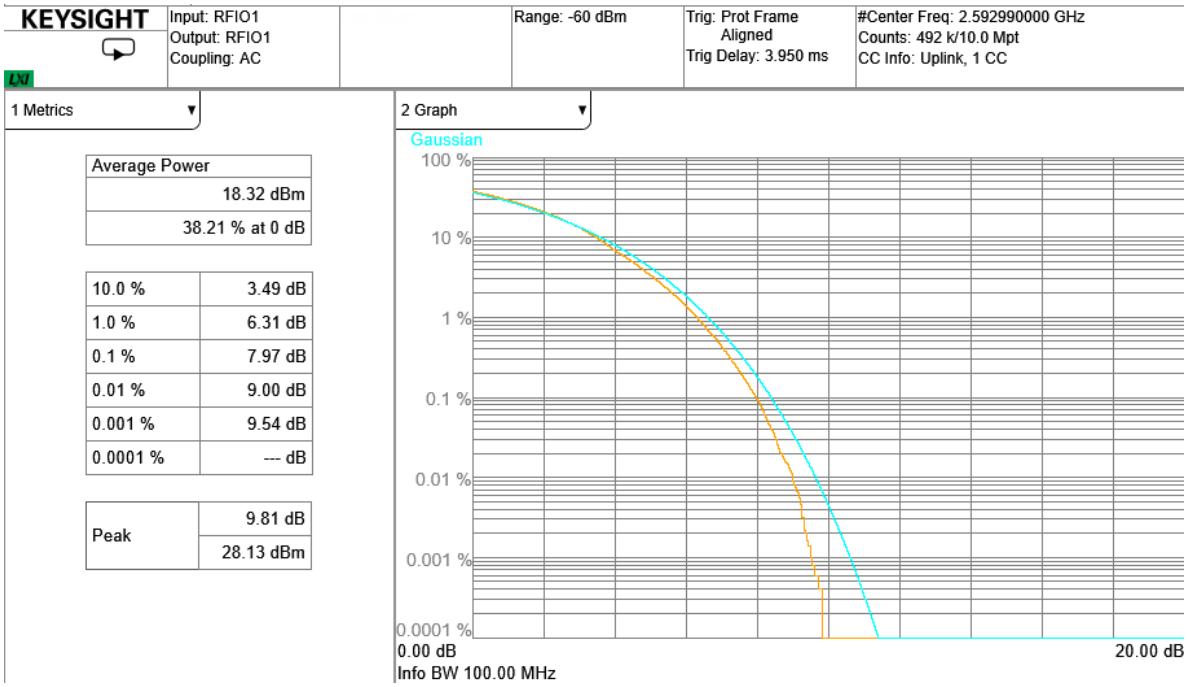


Average Power
18.82 dBm
38.35 % at 0 dB

10.0 %	3.43 dB
1.0 %	6.32 dB
0.1 %	7.92 dB
0.01 %	8.93 dB
0.001 %	9.58 dB
0.0001 %	--- dB

Peak	10.04 dB
	28.86 dBm

n41, CP-64QAM (PAPR)

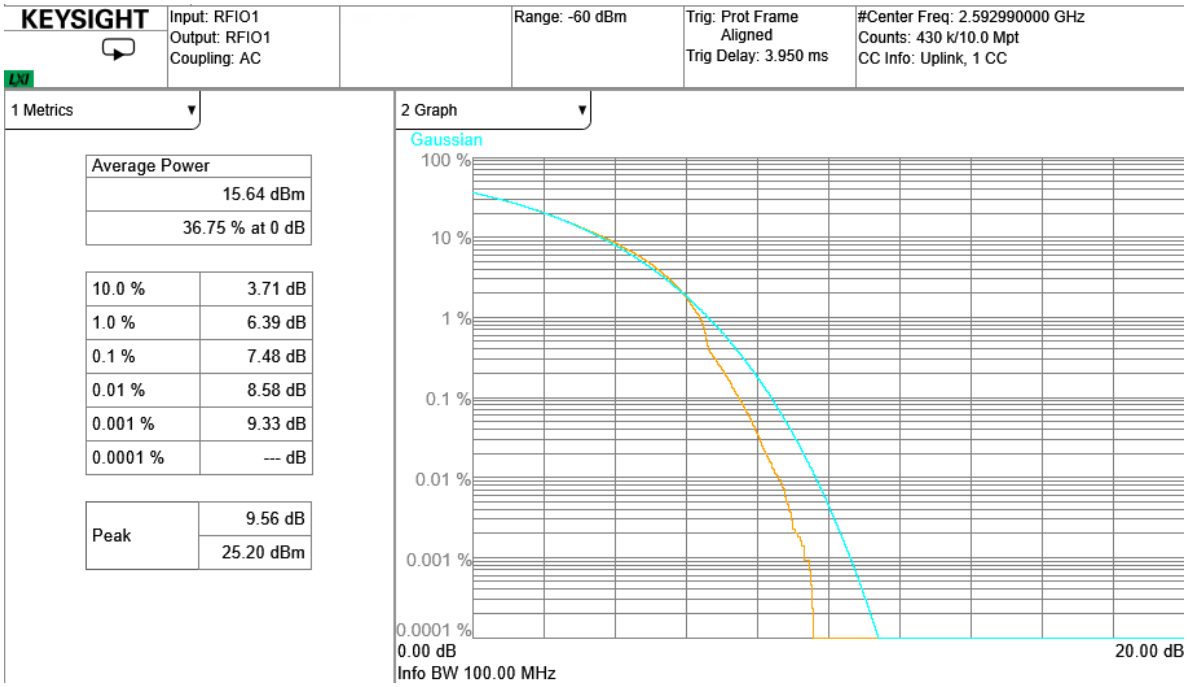


Average Power
18.32 dBm
38.21 % at 0 dB

10.0 %	3.49 dB
1.0 %	6.31 dB
0.1 %	7.97 dB
0.01 %	9.00 dB
0.001 %	9.54 dB
0.0001 %	--- dB

Peak	9.81 dB
	28.13 dBm

n41, CP-256QAM (PAPR)



Average Power
15.64 dBm
36.75 % at 0 dB

10.0 %	3.71 dB
1.0 %	6.39 dB
0.1 %	7.48 dB
0.01 %	8.58 dB
0.001 %	9.33 dB
0.0001 %	--- dB

Peak	9.56 dB
	25.20 dBm

n66, 40MHz

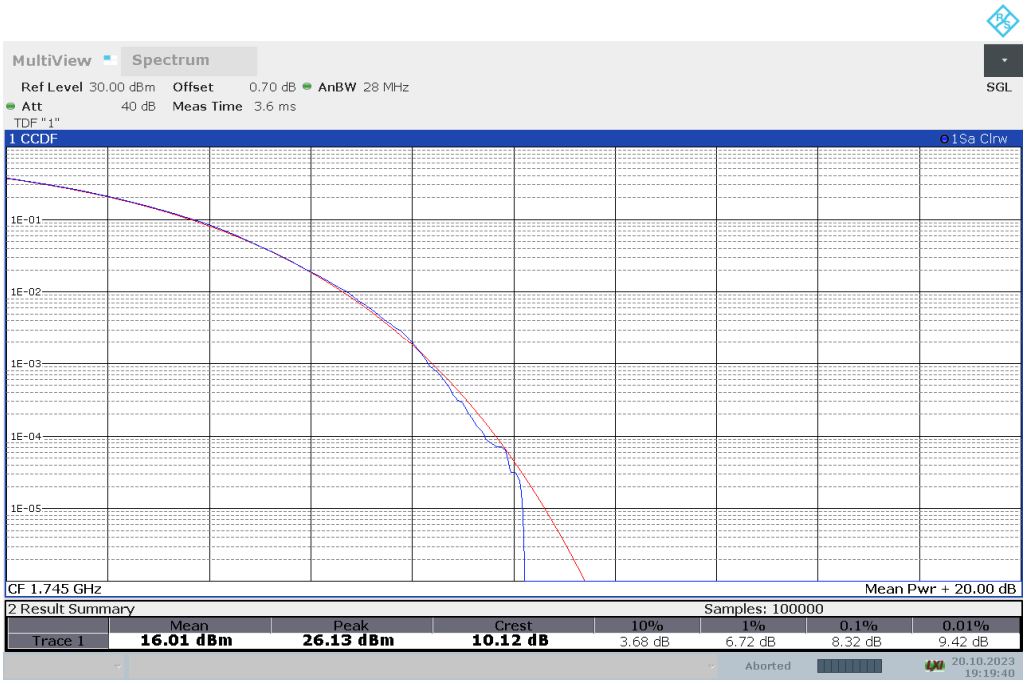
Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
1745	4.94	5.08	6.12	6.48	6.52	7.72	7.68	7.98	8.32

n66, CP-QPSK (PAPR)

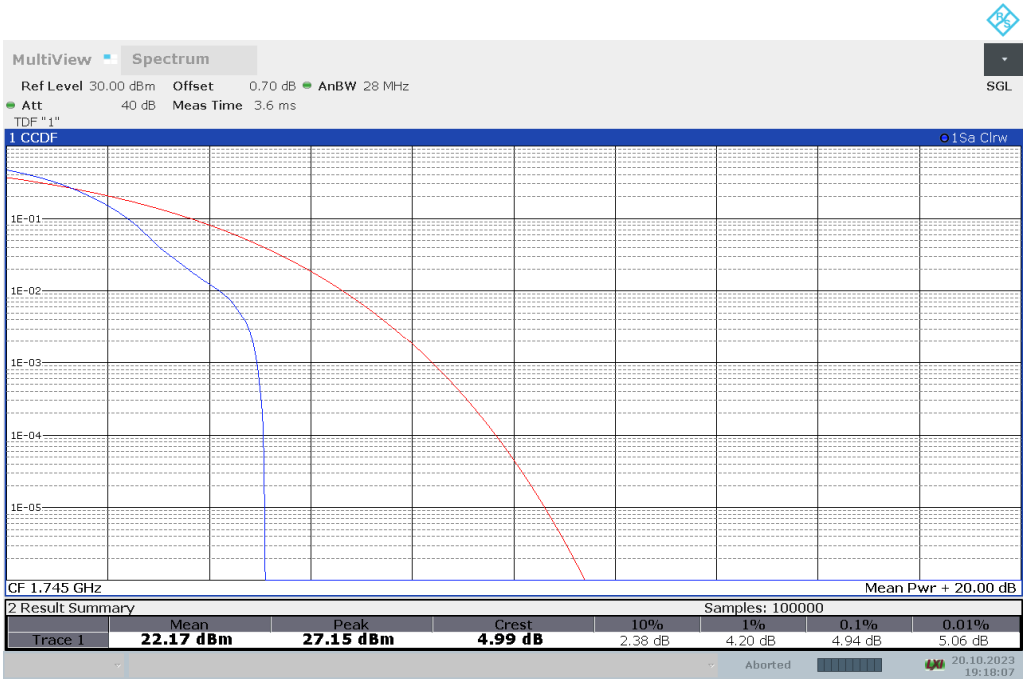
n66, CP-16QAM (PAPR)

n66, CP-64QAM (PAPR)

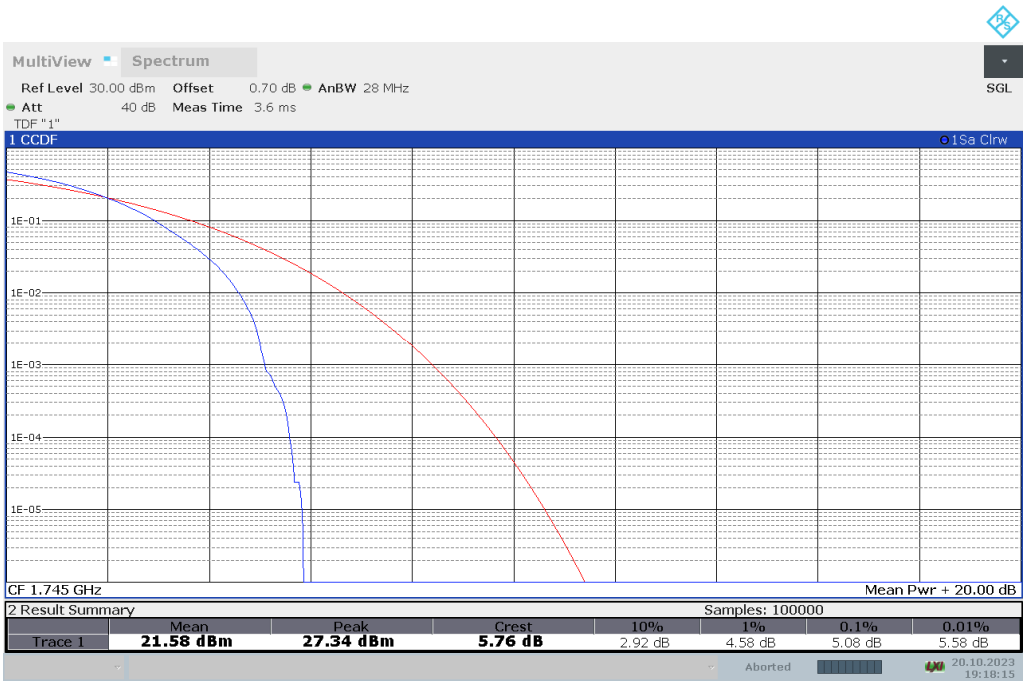
n66, CP-256QAM (PAPR)



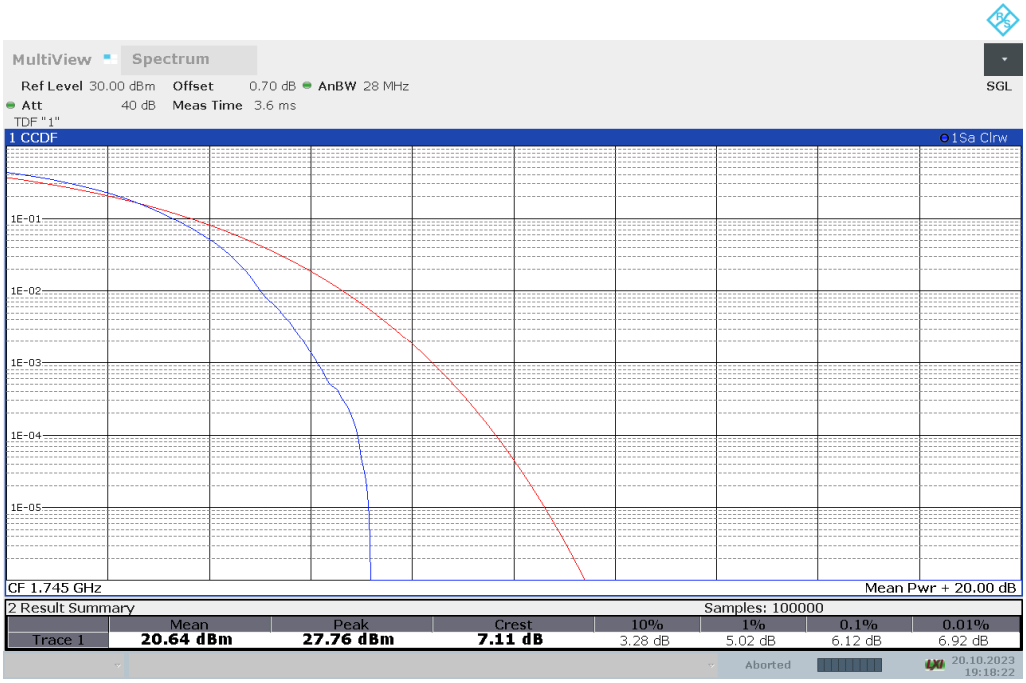
n66, DFT-s-pi/2 BPSK (PAPR)



n66, DFT-s-QPSK (PAPR)



n66, DFT-s-16QAM (PAPR)



n66, DFT-s-64QAM (PAPR)

n66, DFT-s-256QAM (PAPR)

Note: Expanded measurement uncertainty is U = 0.48, k = 2

ANNEX B ccreditation Certificate

Accredited Laboratory

A2LA has accredited

SHENZHEN ACADEMY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY

Shenzhen, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 14th day of November 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4353.01
Valid to November 30, 2025

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

ANNEX C Certificate of Brand Authorization

编号 No.：CTTL-001

TTL泰尔實驗室

品牌授权书

Certificate of Brand Authorization

兹授权 **深圳信息通信研究院** 为“泰尔实验室”品牌实验室，可以使用“泰尔实验室”品牌开展检验检测相关业务，本授权书有效期至 **2024** 年 **10** 月 **31** 日。

This is to certify that **Shenzhen Academy of Information and Communications Technology** is authorized as the brand laboratory of “CTTL”, which may undertake inspection and testing related business using the “CTTL” brand. This certificate is valid for the period to **31 October 2024**.

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授权单位：中国信息通信研究院

China Academy of Information and Communication Technology（CAICT）

授权日期：2019 年 10 月 30 日

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