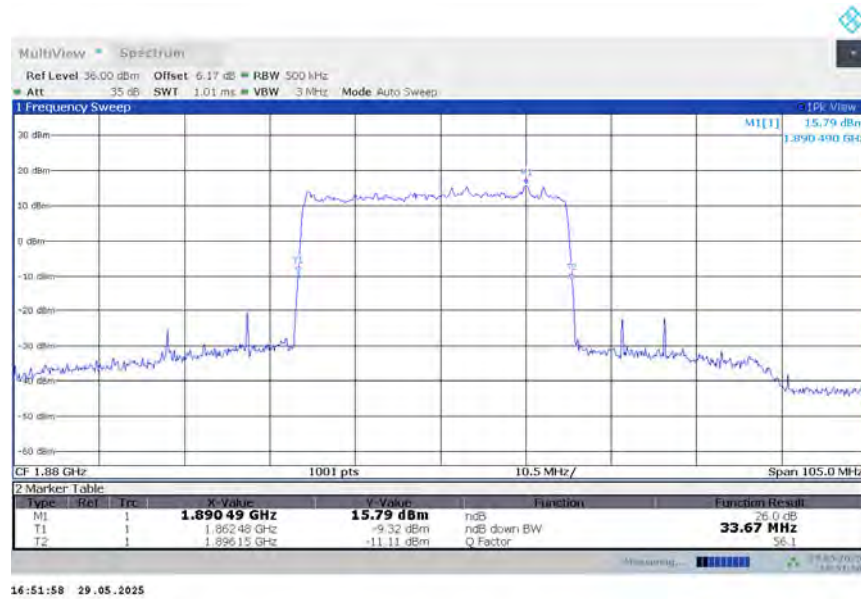


n2,35MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

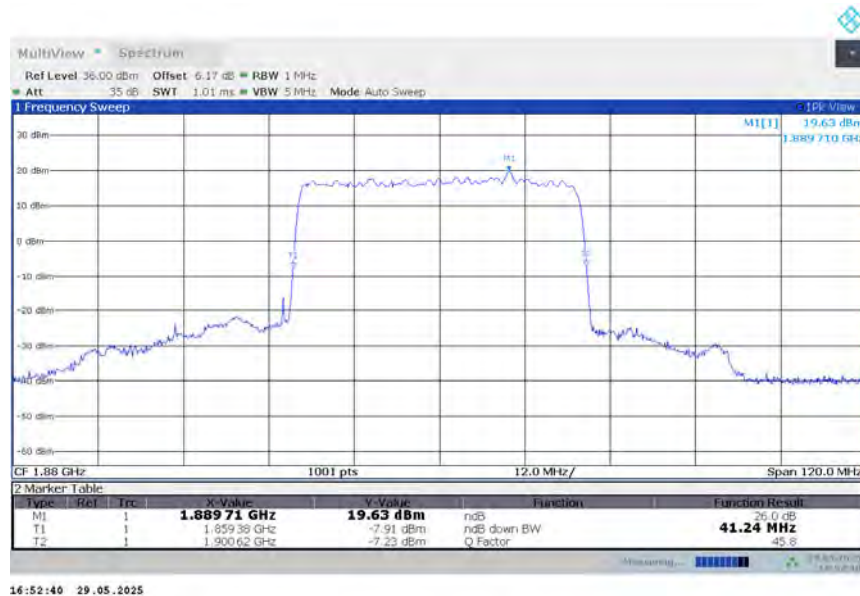


n2

n2,40MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1880	41.240	41.240	41.240

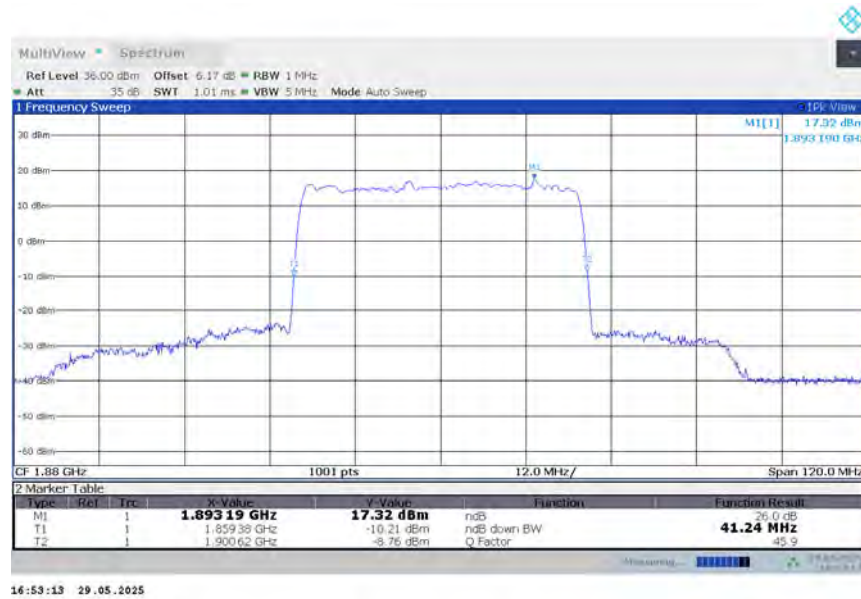
n2,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n2,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n2,40MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n5

n5,5MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
836.5	4.915	4.930	4.960

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



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



n5,5MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n5

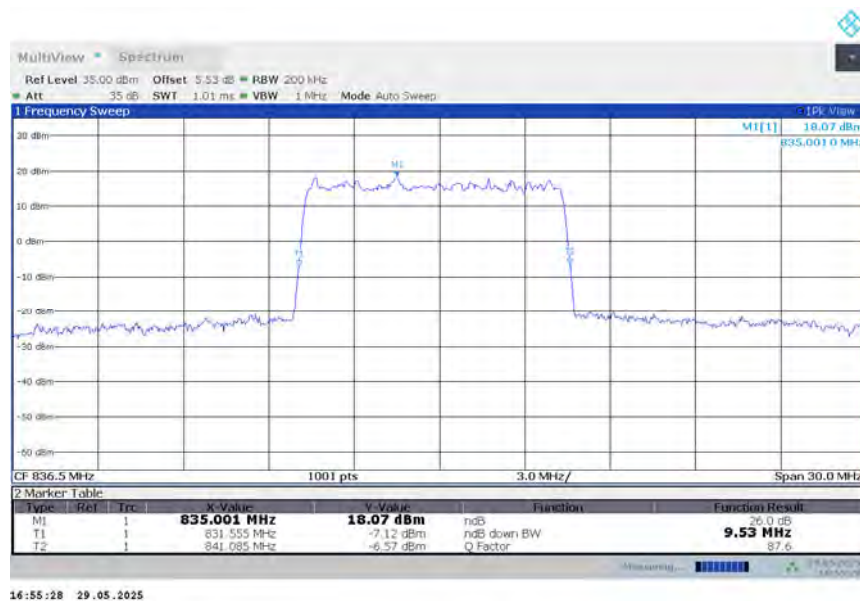
n5,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
836.5	9.590	9.530	9.530

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



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



n5,10MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n5

n5,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
836.5	14.251	14.296	14.251

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



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



n5,15MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n5

n5,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
836.5	19.181	19.181	19.121

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



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



n5,20MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n5

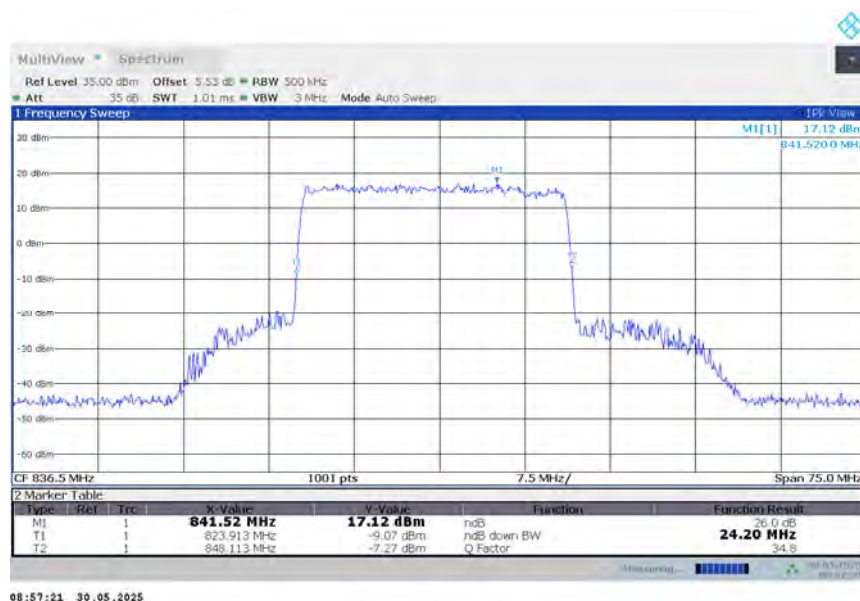
n5,25MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
836.5	24.201	24.201	24.201

n5,25MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n5,25MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n5,25MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n14

n14,5MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
793	4.945	4.915	4.960

n14,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n14,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n14,5MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n14

n14,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
793	9.590	9.560	9.530

n14,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n14,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n14,10MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n30

n30,5MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
2310	4.915	4.885	4.945

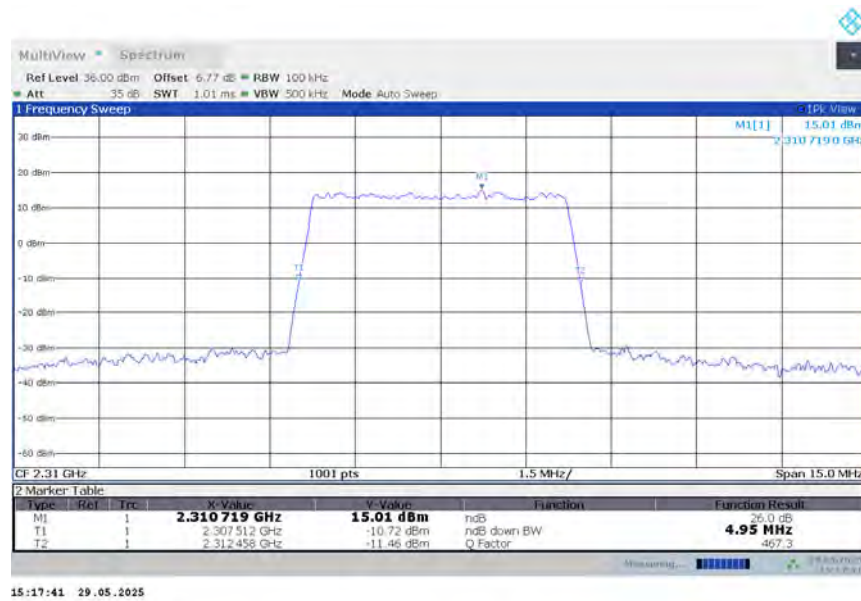
n30,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n30,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n30,5MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n30

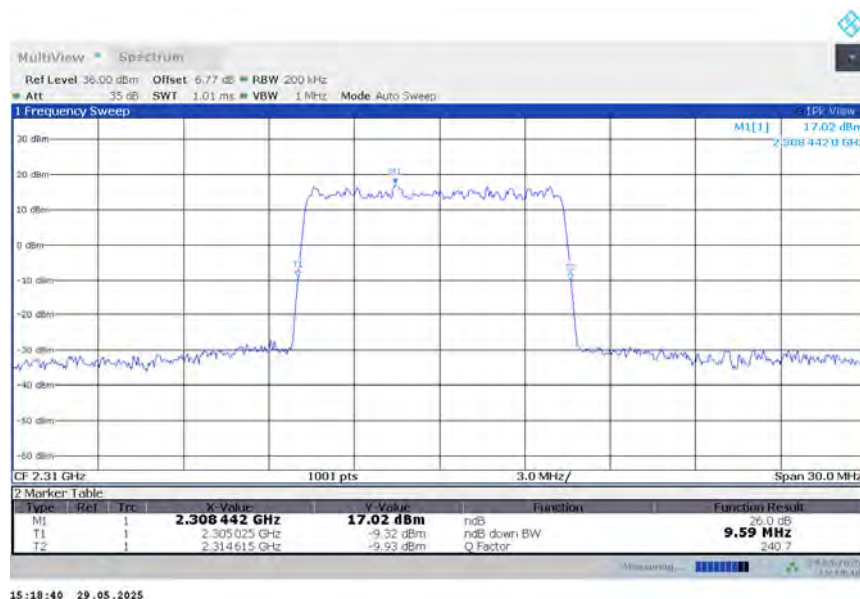
n30,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
2310	9.560	9.590	9.560

n30,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n30,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n30,10MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n66

n66,5MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	4.930	4.900	4.960

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



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



n66,5MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n66

n66,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	9.620	9.560	9.560

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



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



n66,10MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

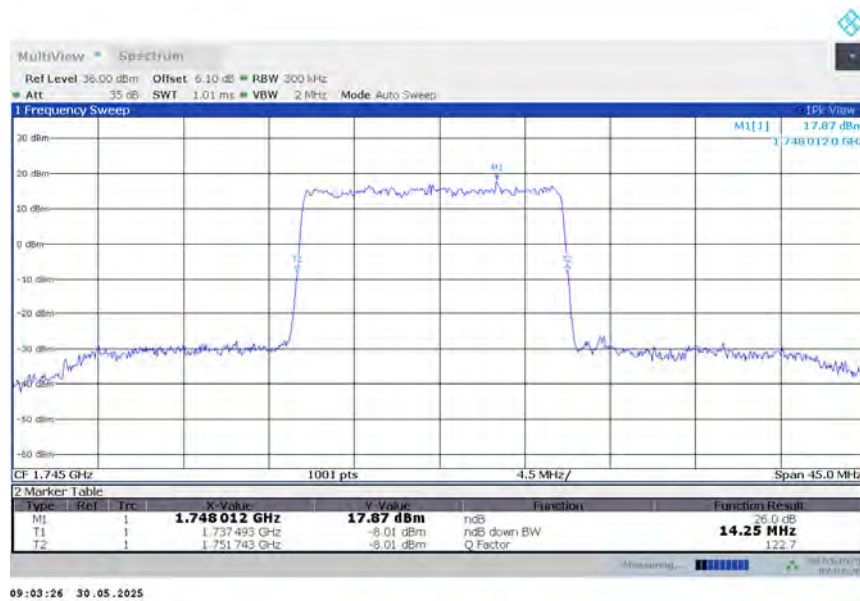


n66

n66,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	14.251	14.341	14.251

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



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



n66,15MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n66

n66,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	19.181	19.241	19.181

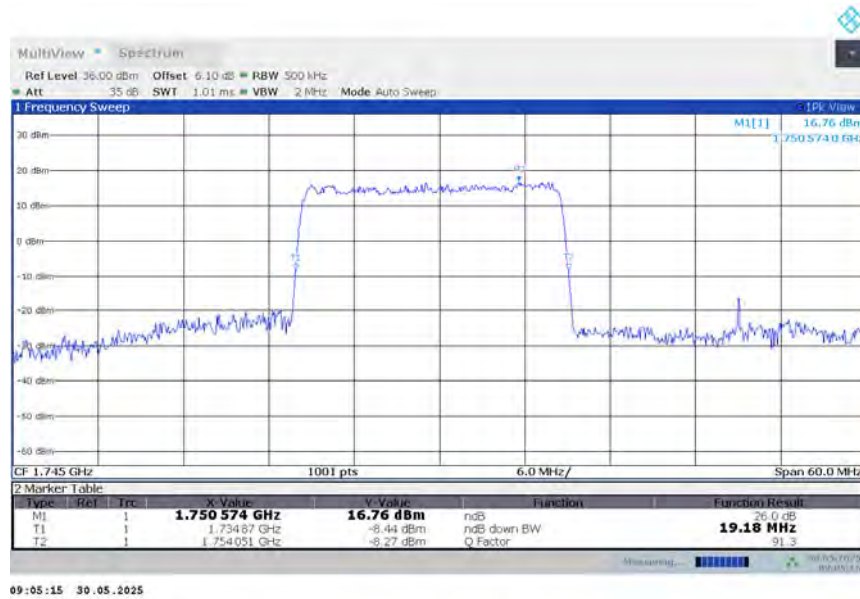
n66,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n66,20MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n66

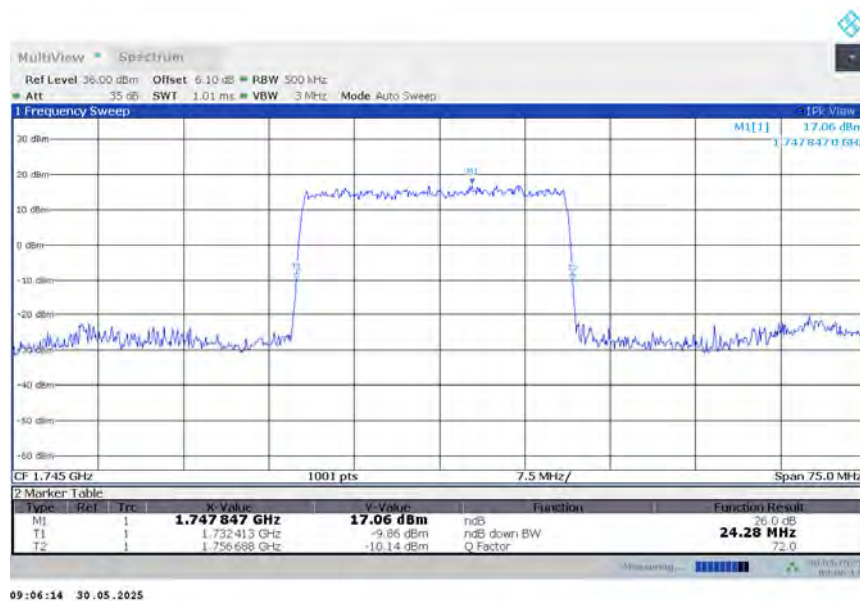
n66,25MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	24.201	24.276	24.201

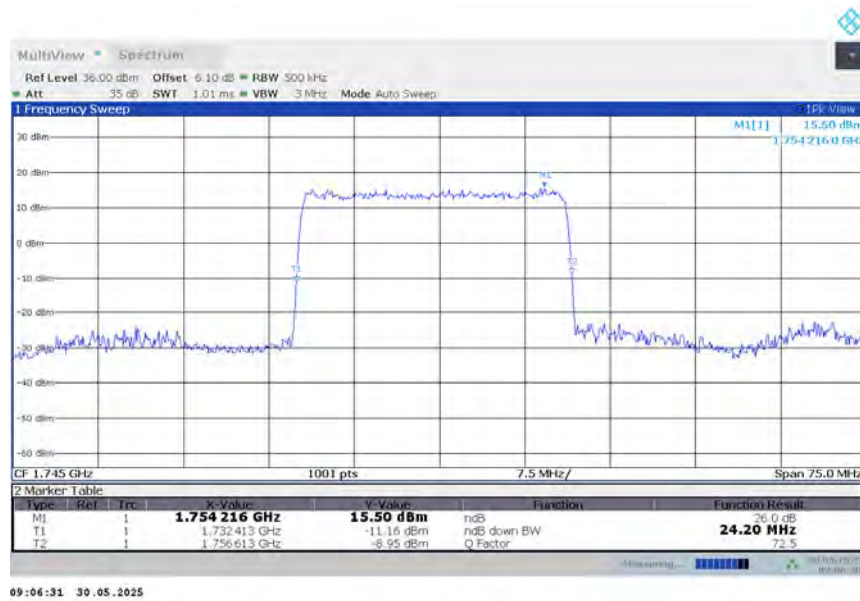
n66,25MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n66,25MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n66

n66,30MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	30.120	29.940	29.940

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



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



n66,30MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n66

n66,35MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	33.670	33.780	33.670

n66,35MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n66,35MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n66,35MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

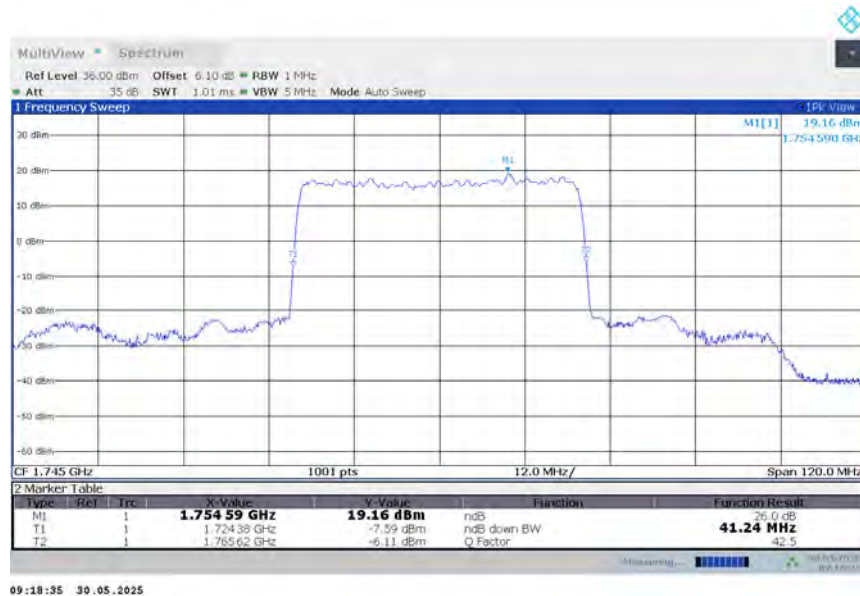


n66

n66,40MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	41.240	41.240	41.240

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



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



n66,40MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n66

n66,45MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
1745	45.580	45.580	45.450

n66,45MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n66,45MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n66,45MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77L

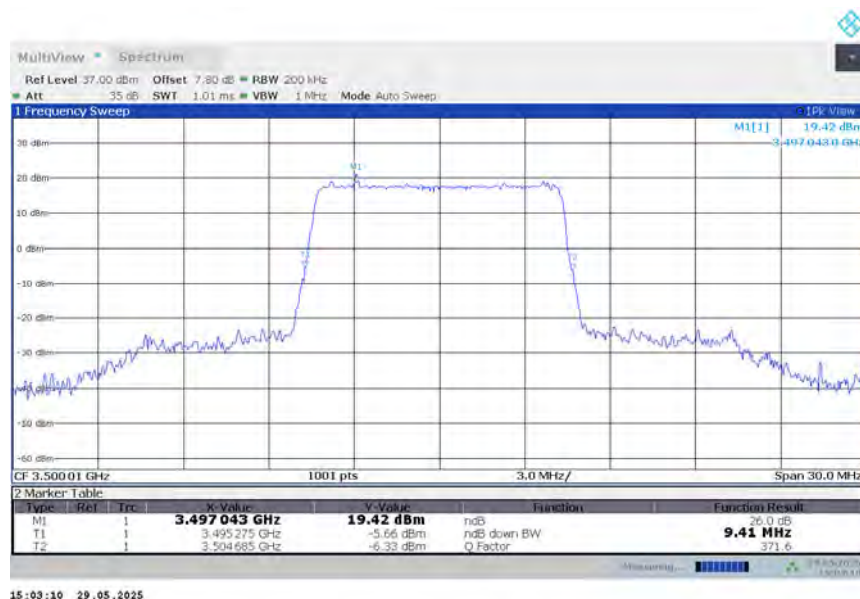
n77L,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	9.411	9.411	9.411

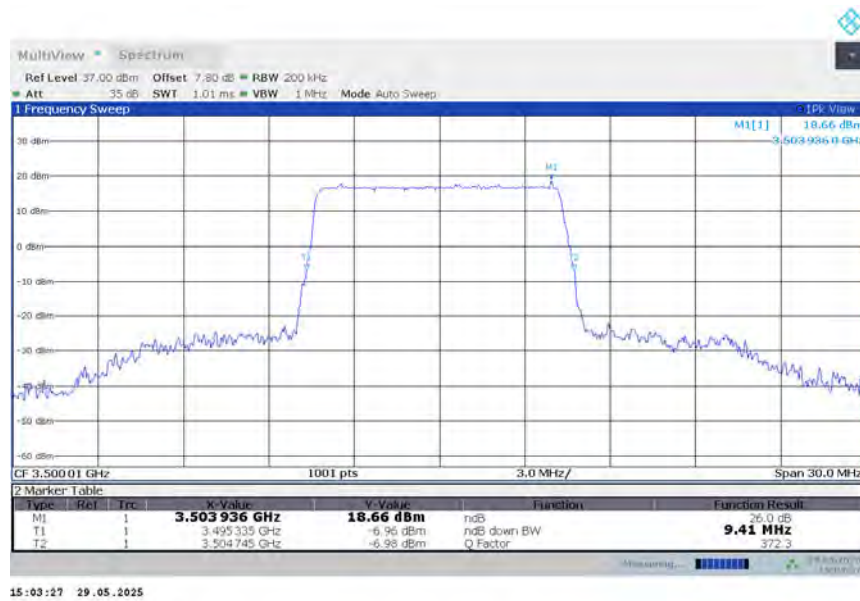
n77L,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77L,10MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77L

n77L,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	13.846	13.846	13.801

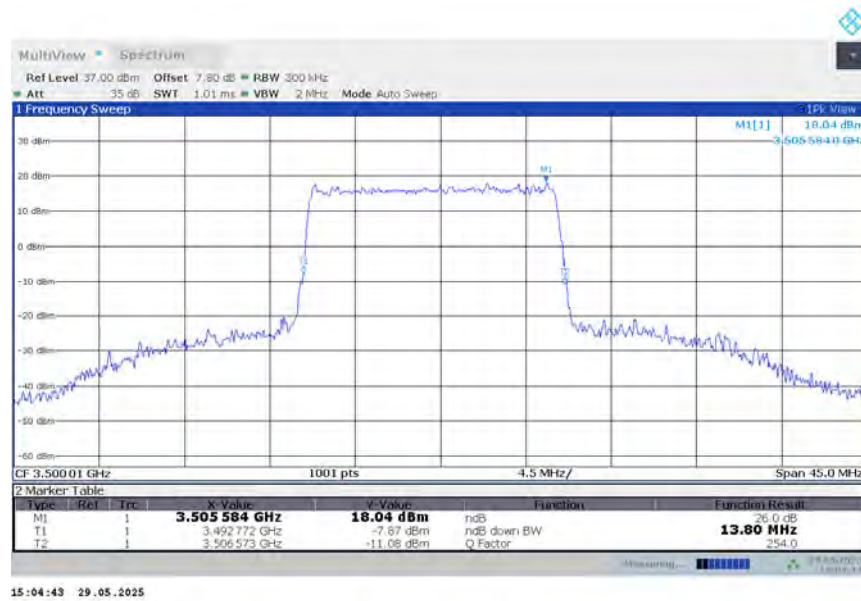
n77L,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77L,15MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77L

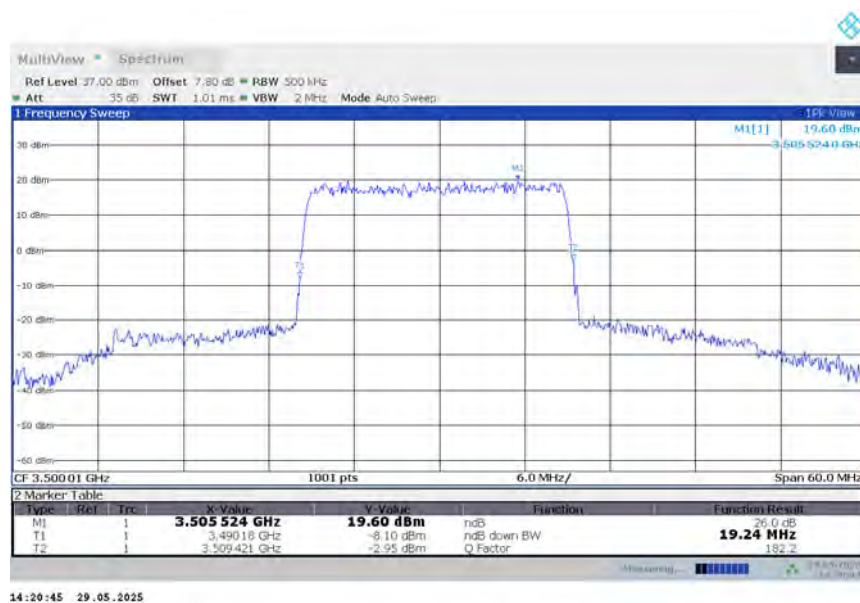
n77L,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	19.241	19.241	19.361

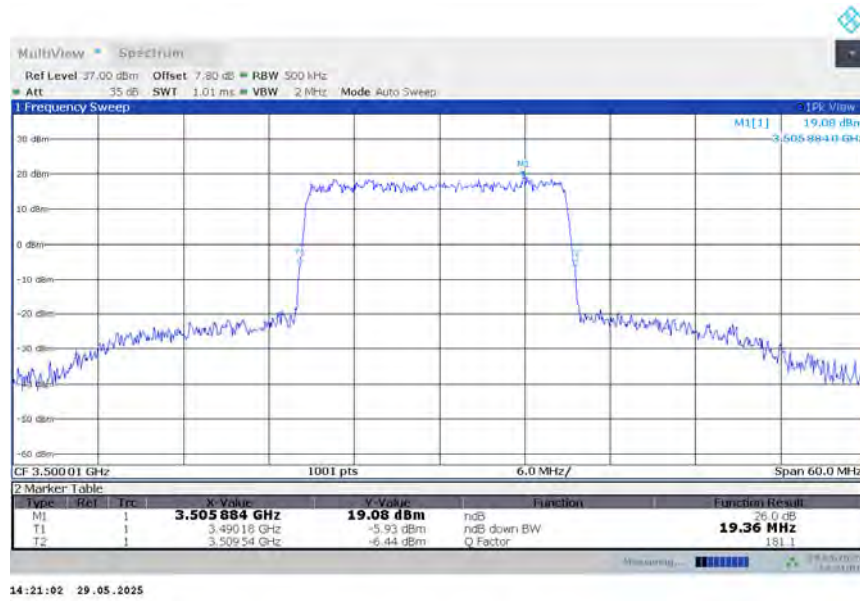
n77L,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77L,20MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77L

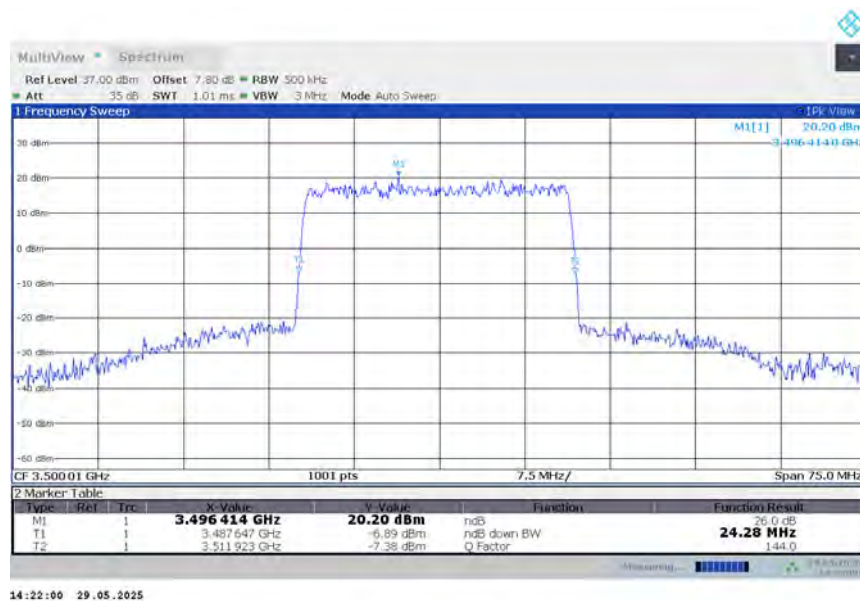
n77L,25MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	24.201	24.276	24.276

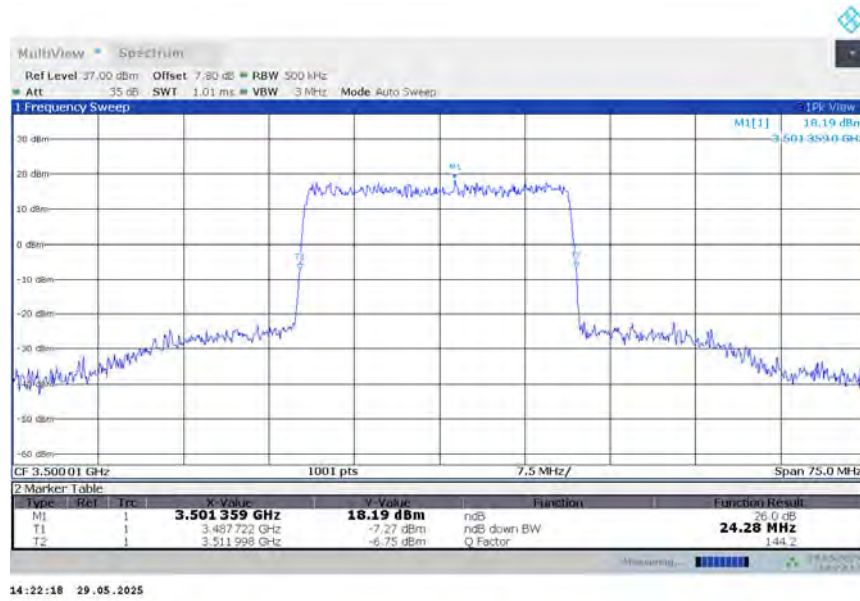
n77L,25MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n77L,25MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n77L,25MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

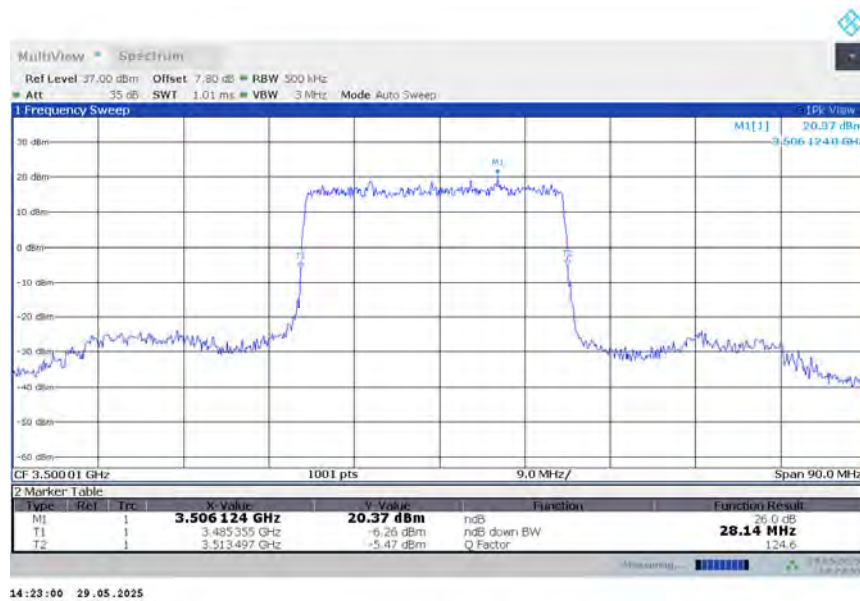


n77L

n77L,30MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	28.142	28.322	28.322

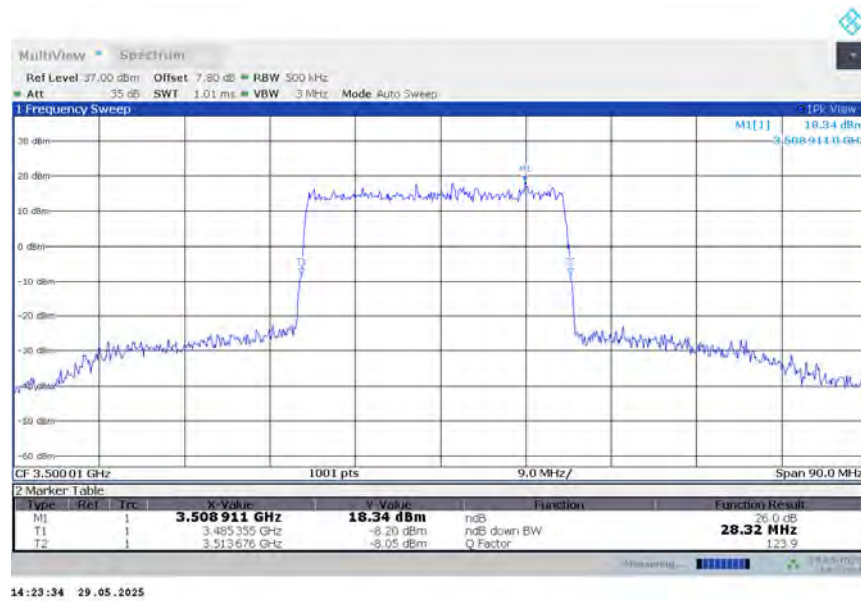
n77L,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n77L,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n77L,30MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77L

n77L,40MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	38.480	38.480	38.480

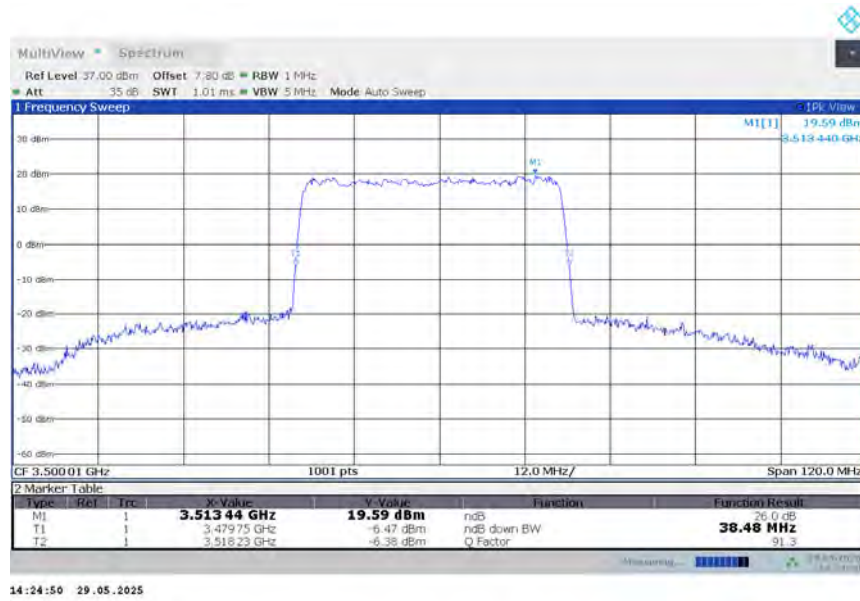
n77L,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77L,40MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77L

n77L,50MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	48.400	48.550	48.400

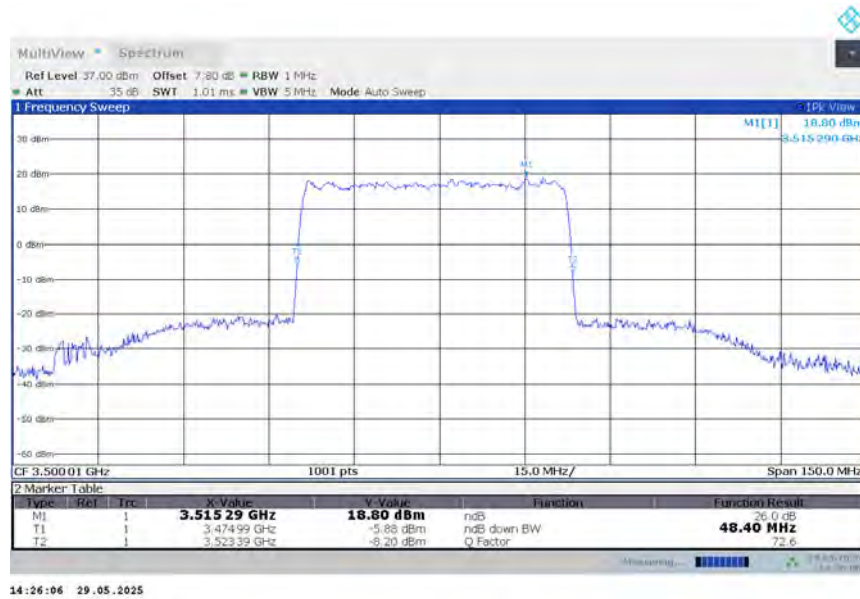
n77L,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77L,50MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

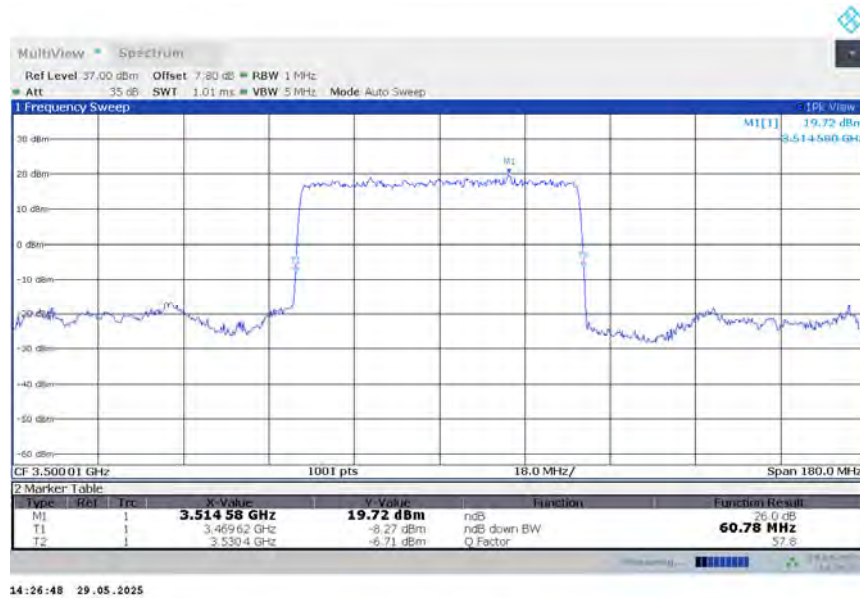


n77L

n77L,60MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	60.780	60.780	60.600

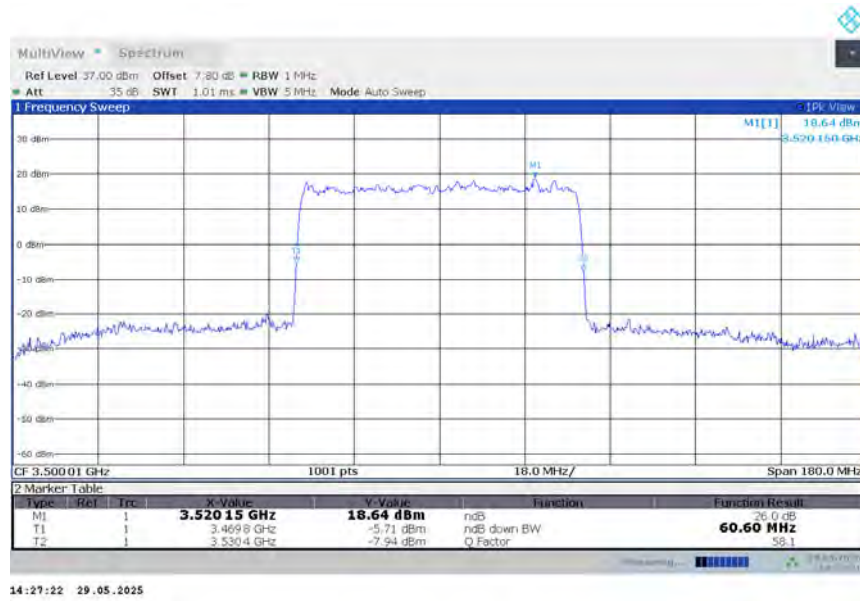
n77L,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77L,60MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77L

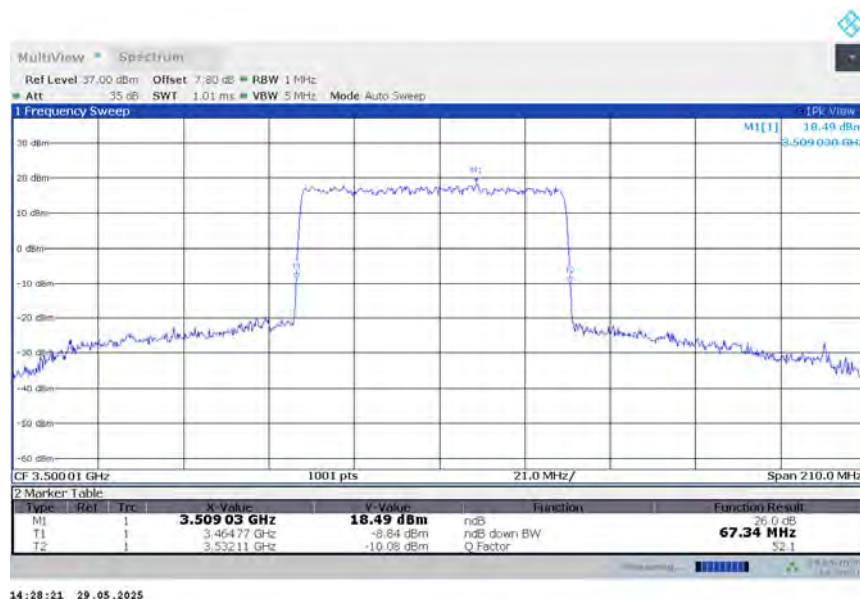
n77L,70MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	67.130	67.340	66.920

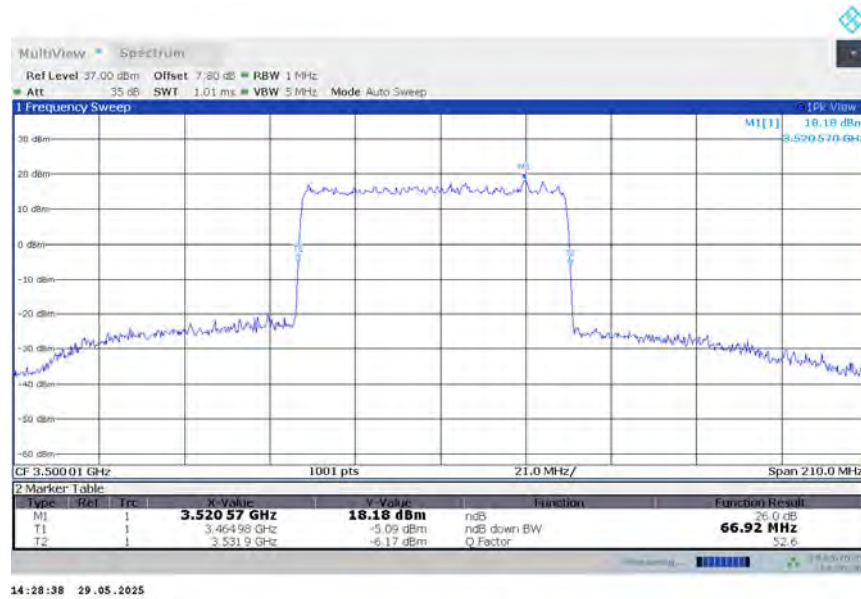
n77L,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77L,70MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77L

n77L,80MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	82.240	82.240	82.240

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



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



n77L,80MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77L

n77L,90MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	91.980	92.250	91.980

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



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



n77L,90MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77L

n77L,100MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3500.01	101.900	101.900	101.600

n77L,100MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n77L,100MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n77L,100MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77H

n77H,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	9.471	9.381	9.411

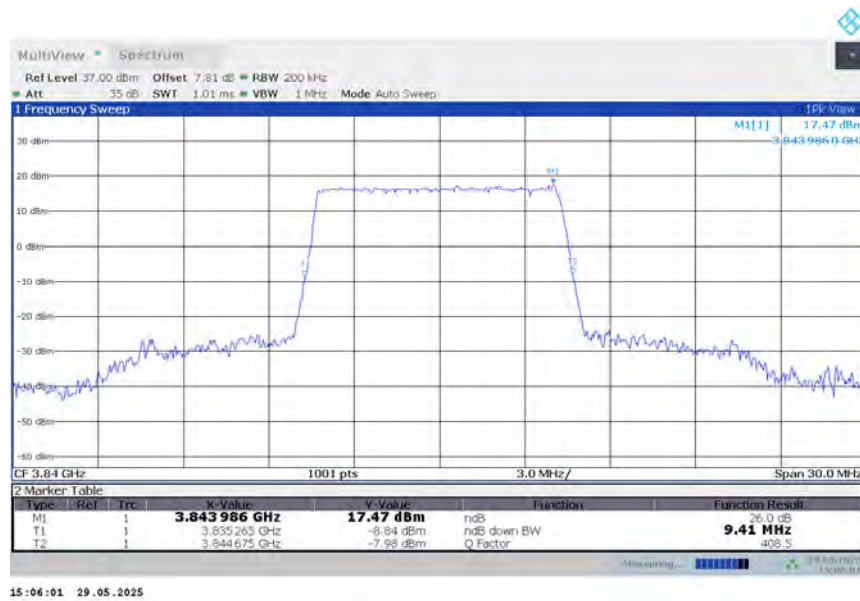
n77H,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77H,10MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

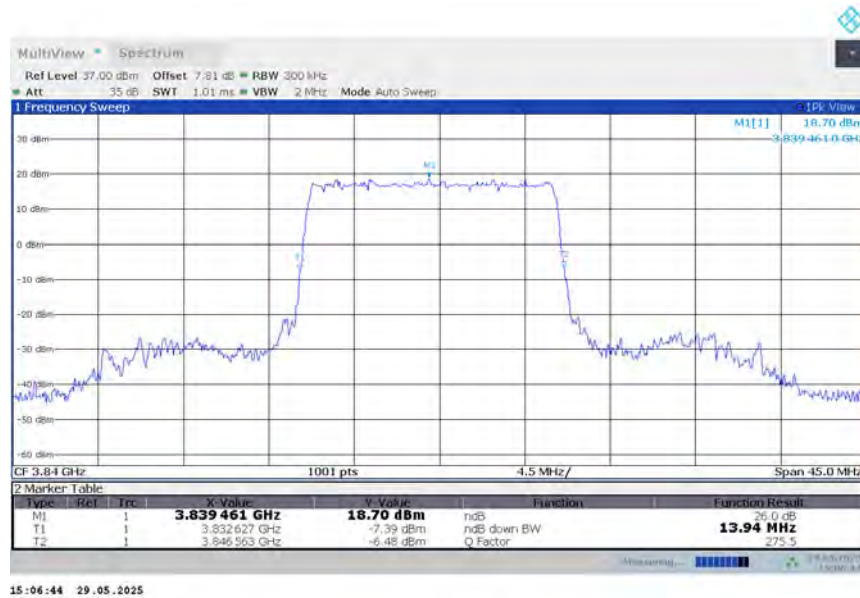


n77H

n77H,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	13.936	13.846	13.981

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



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



n77H,15MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

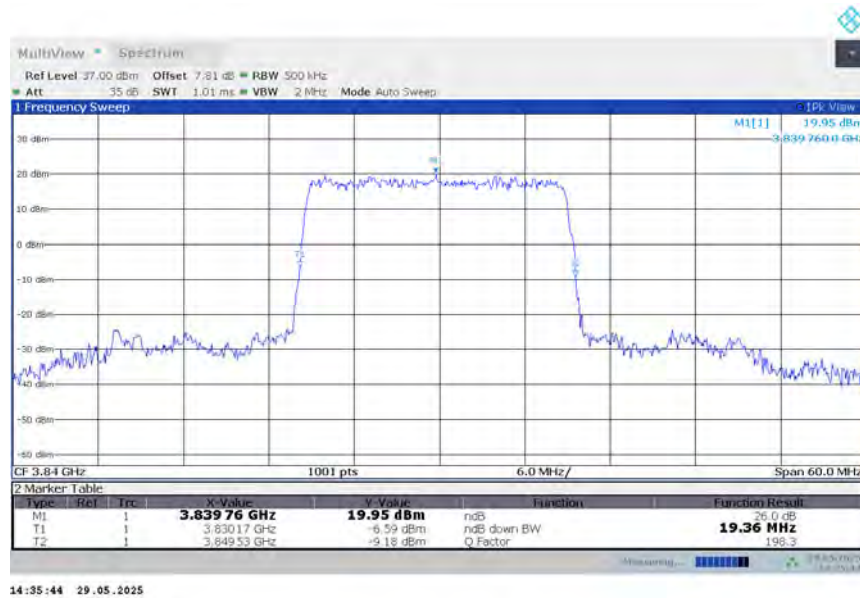


n77H

n77H,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	19.361	19.181	19.241

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



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



n77H,20MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

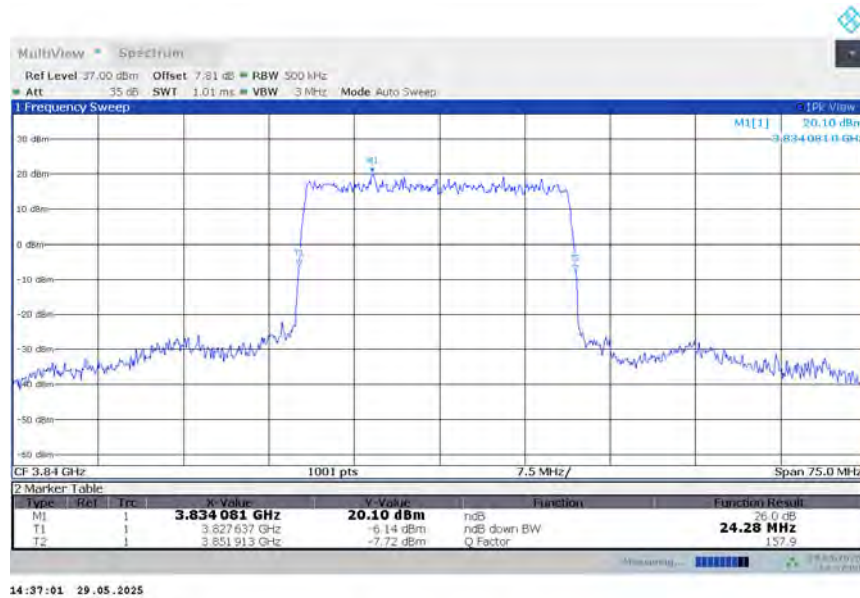


n77H

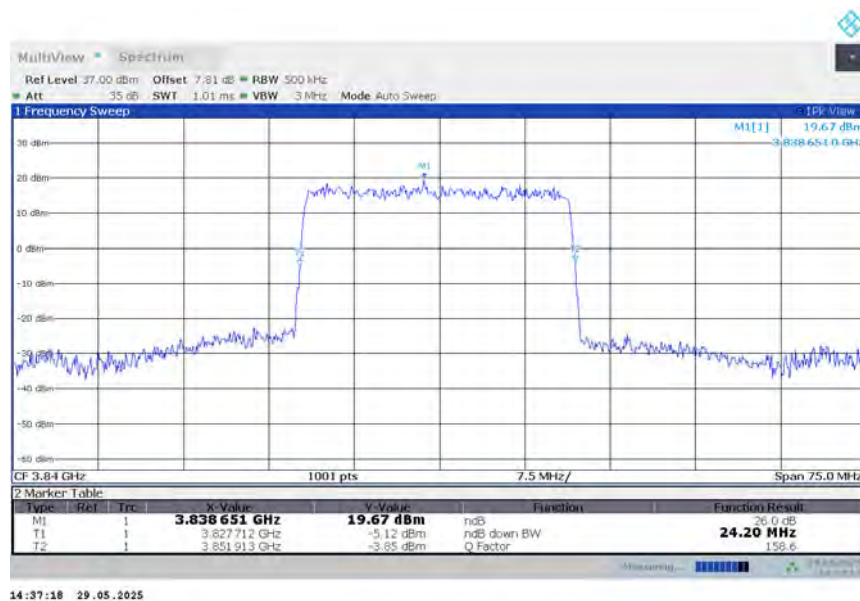
n77H,25MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	24.276	24.201	24.276

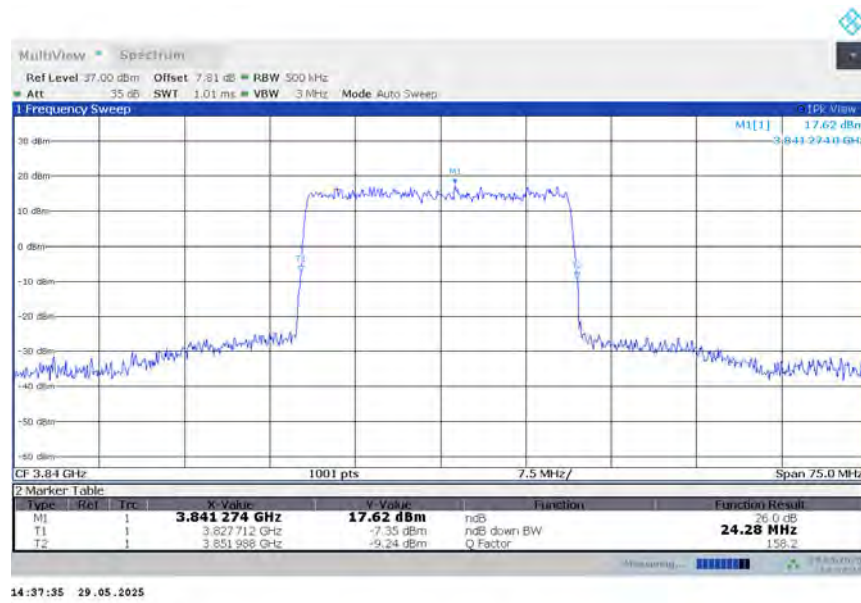
n77H,25MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n77H,25MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n77H,25MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

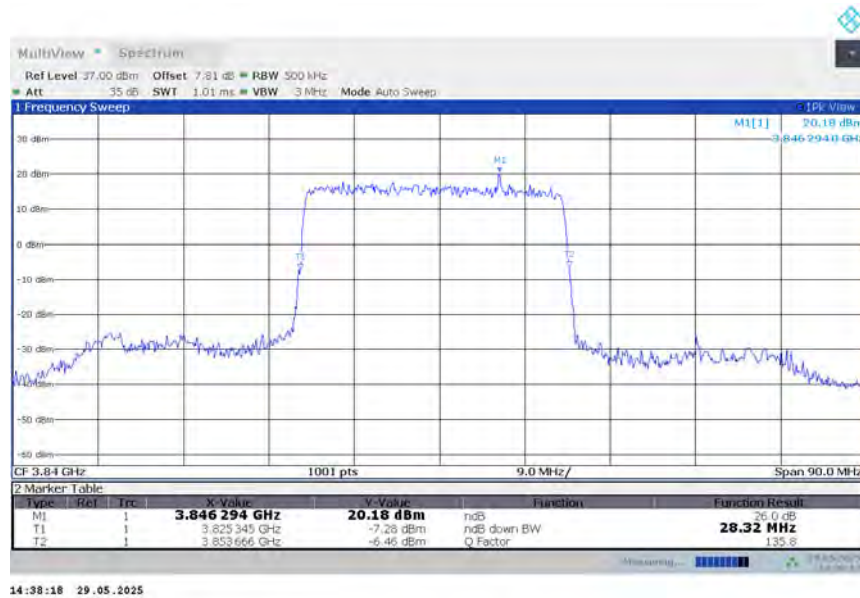


n77H

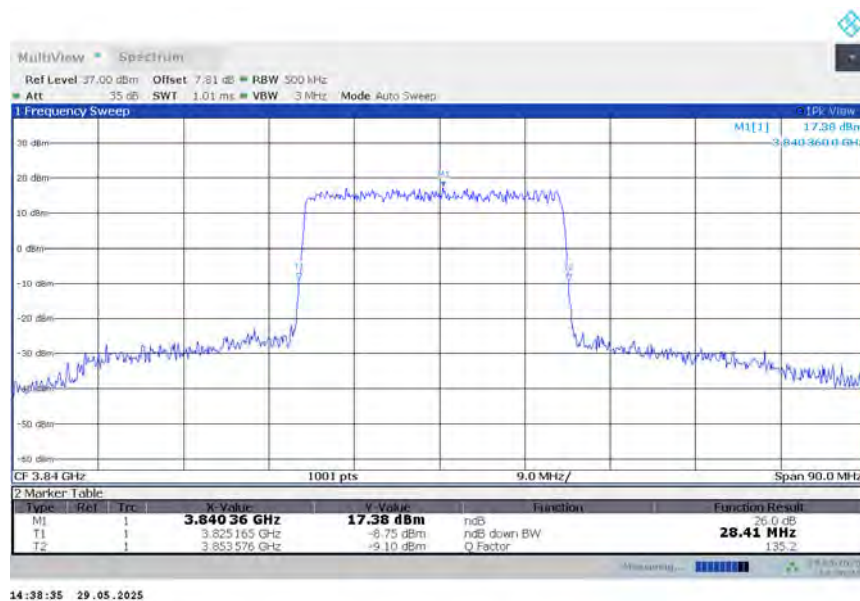
n77H,30MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	28.322	28.412	28.322

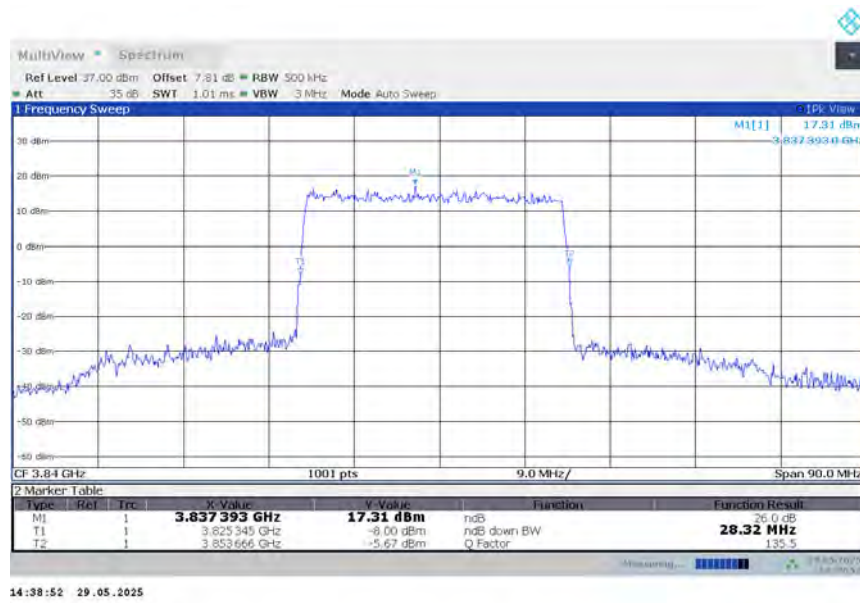
n77H,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n77H,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n77H,30MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77H

n77H,40MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	38.480	38.360	38.480

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



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



n77H,40MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77H

n77H,50MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	48.400	48.550	48.400

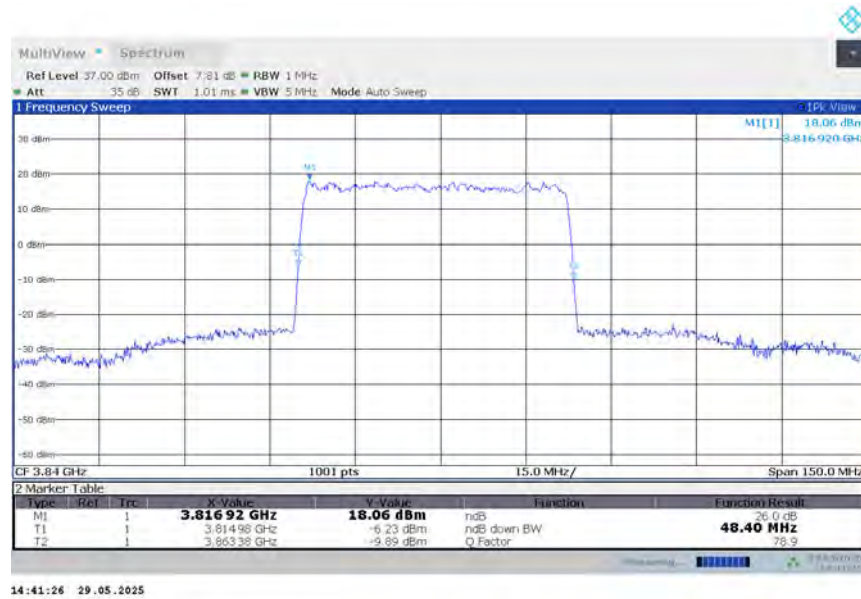
n77H,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77H,50MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

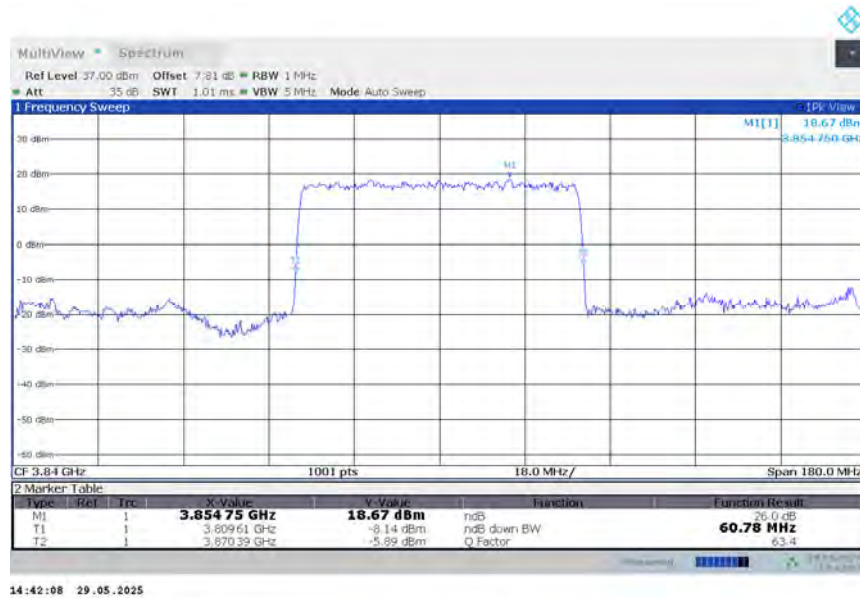


n77H

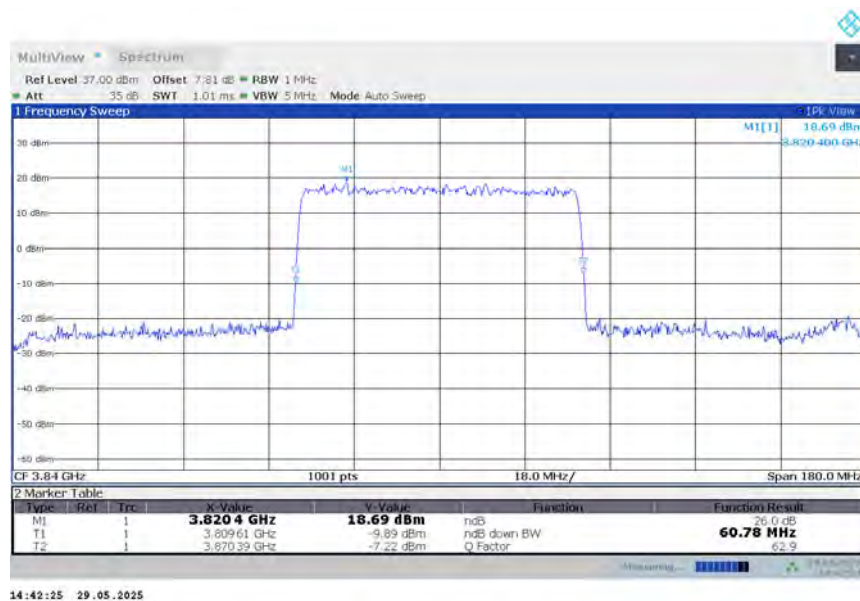
n77H,60MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	60.780	60.780	60.600

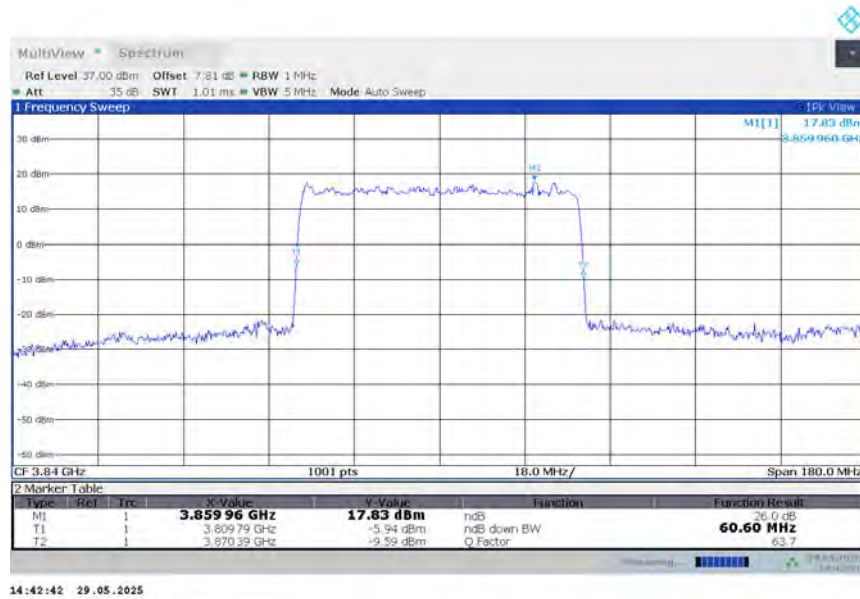
n77H,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77H,60MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77H

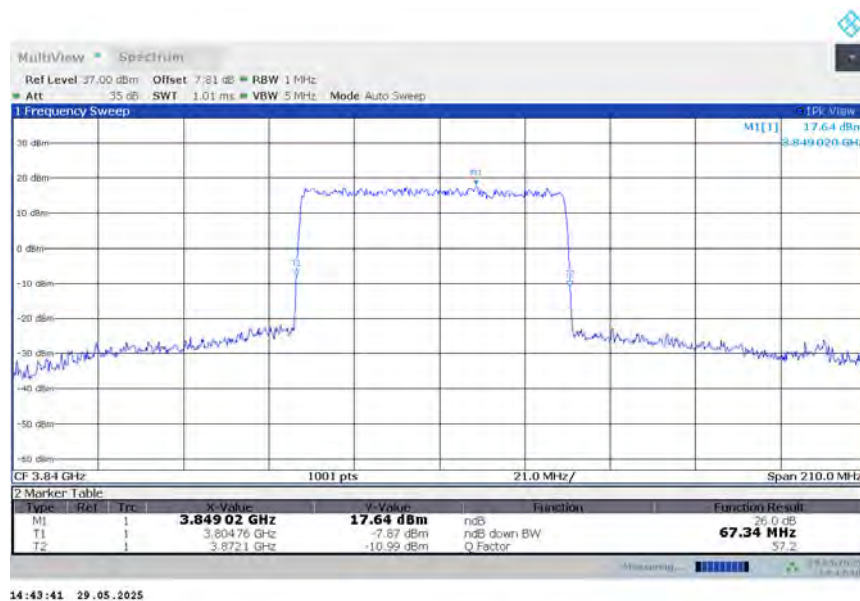
n77H,70MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	67.130	67.340	67.130

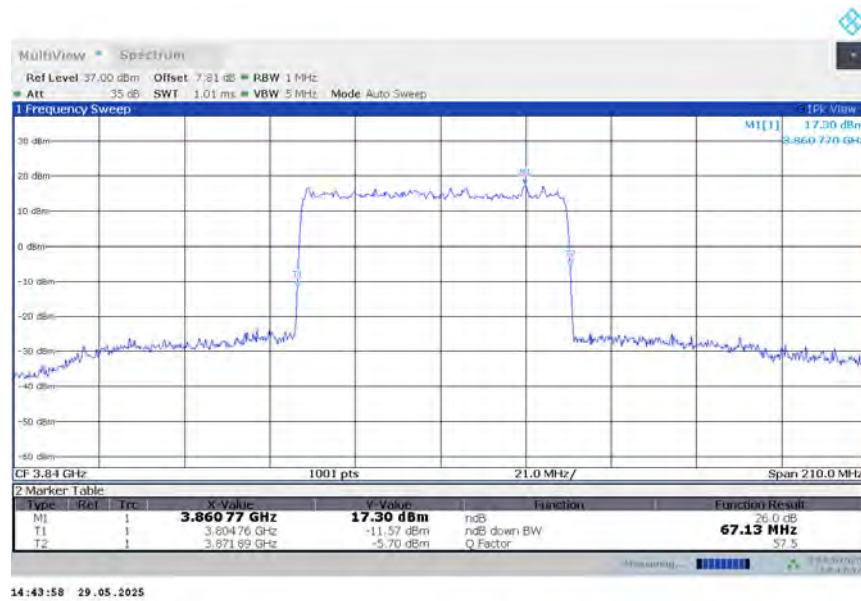
n77H,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77H,70MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77H

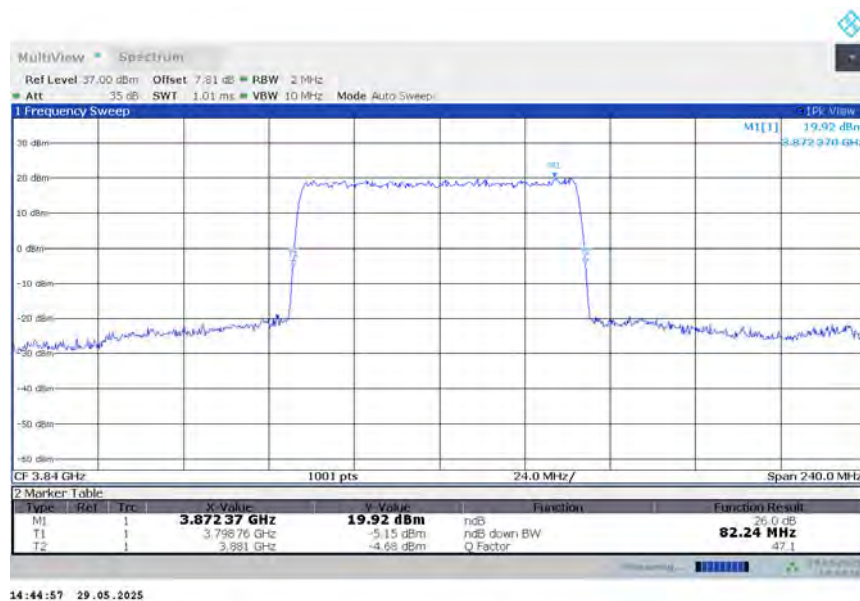
n77H,80MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	82.240	82.240	82.240

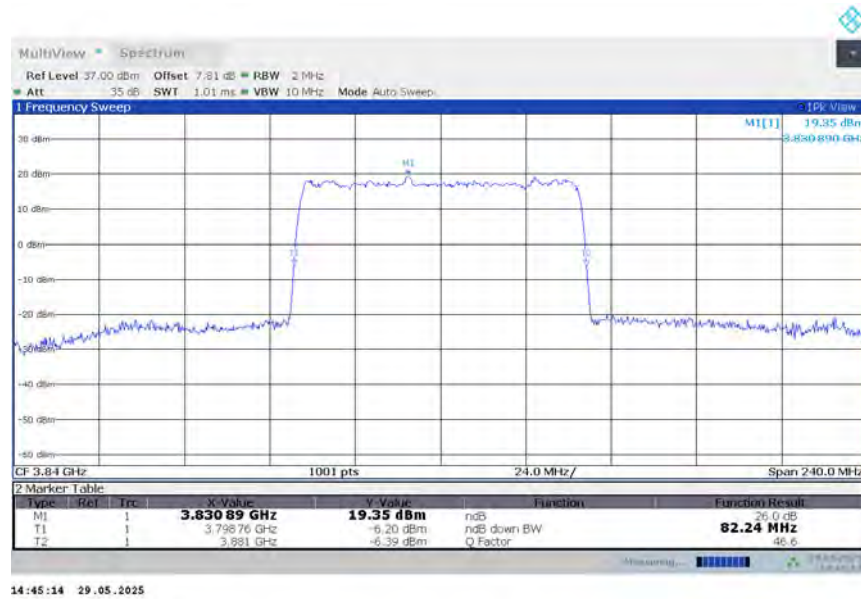
n77H,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77H,80MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



n77H

n77H,90MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	92.250	92.250	92.250

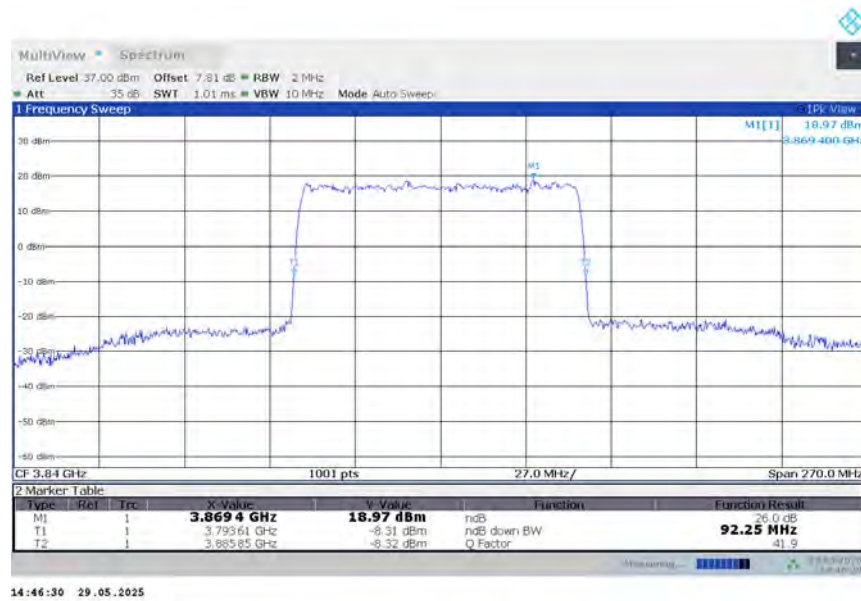
n77H,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77H,90MHz Bandwidth,DFT-s-16QAM (-26dBc BW)

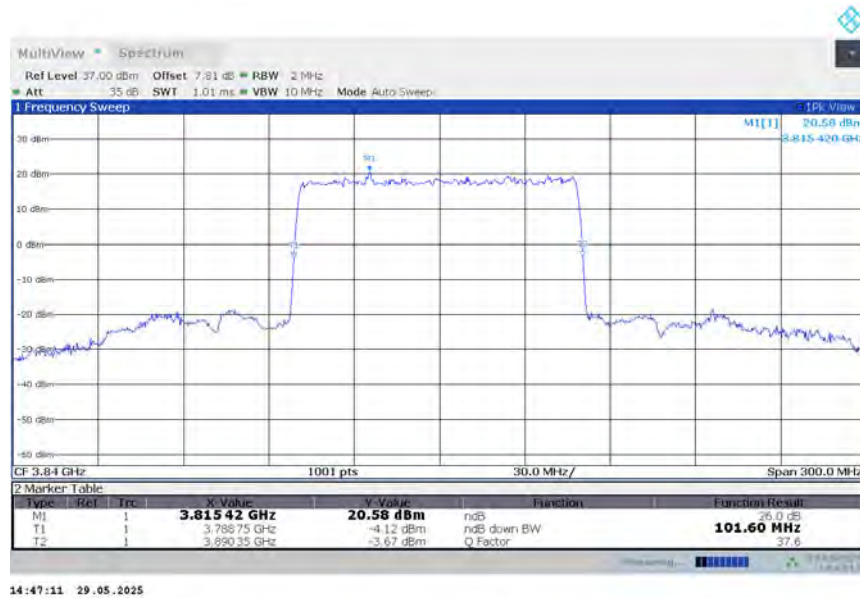


n77H

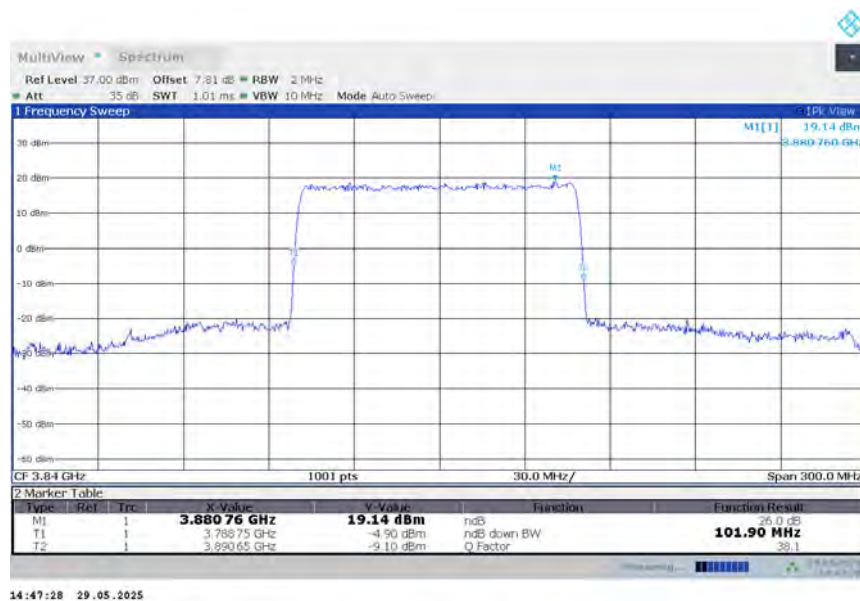
n77H,100MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)		
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM
3840	101.600	101.900	101.600

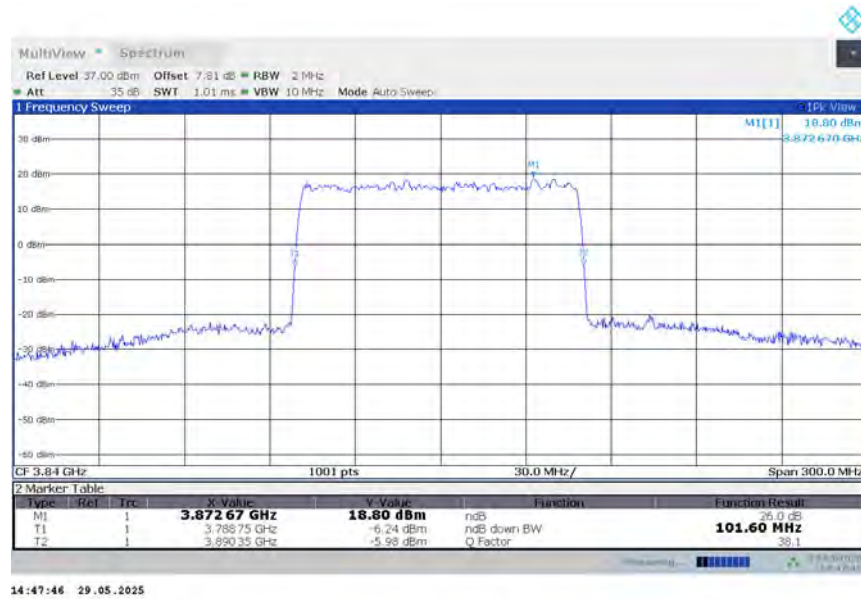
n77H,100MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



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



n77H,100MHz Bandwidth,DFT-s-16QAM (-26dBc BW)



A.6 Band Edge Compliance

A.6.1 Measurement limit

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

Part 27.53(a) states for mobile and portable stations operating in the 2305–2315 MHz and 2350–2360 MHz bands: By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337 MHz; By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log(P)$ dB below 2288 MHz; By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log(P)$ dB above 2365 MHz.

Part 90.543 states that for operations in the 758–768 MHz and the 788–798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following: (1) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations. (2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations. (3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log(P)$ dB. (4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment. (5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 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.

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

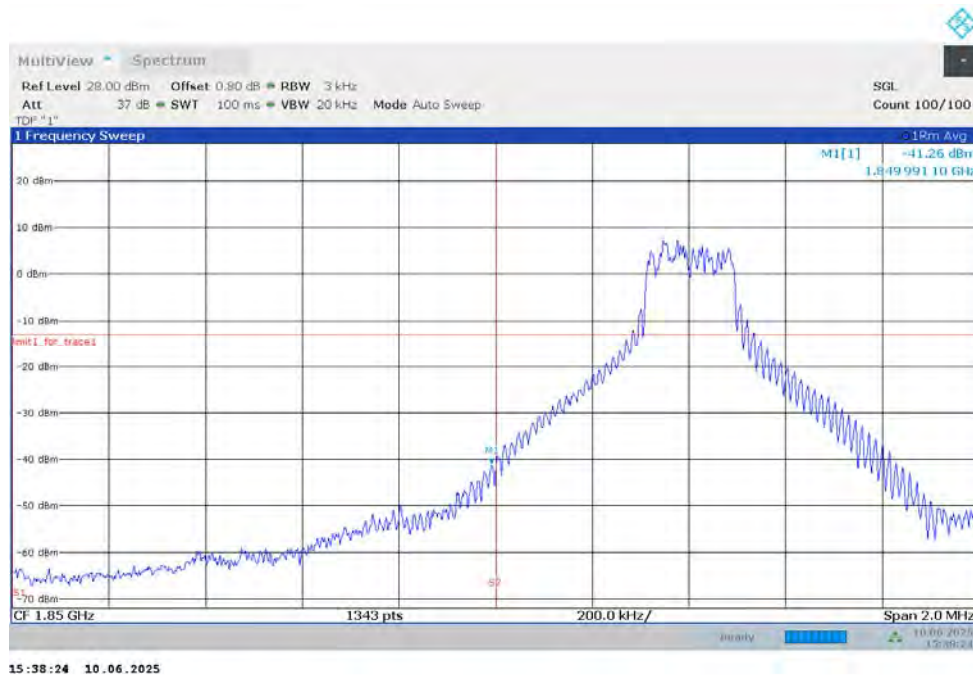
A.6.2 Measurement result

NR n2

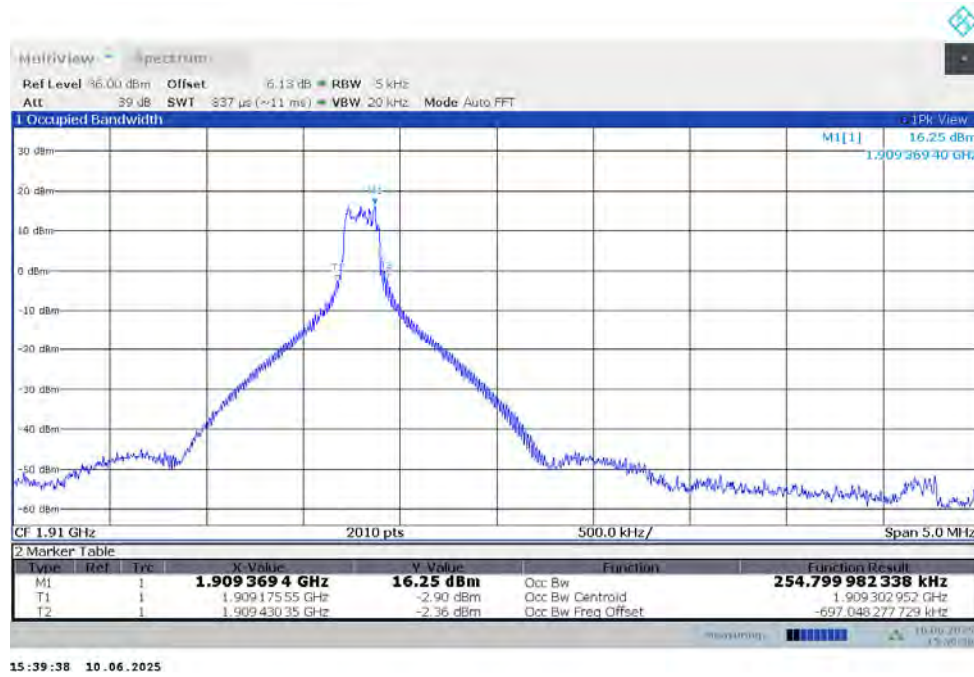
OBW: 1RB-LOW_offset



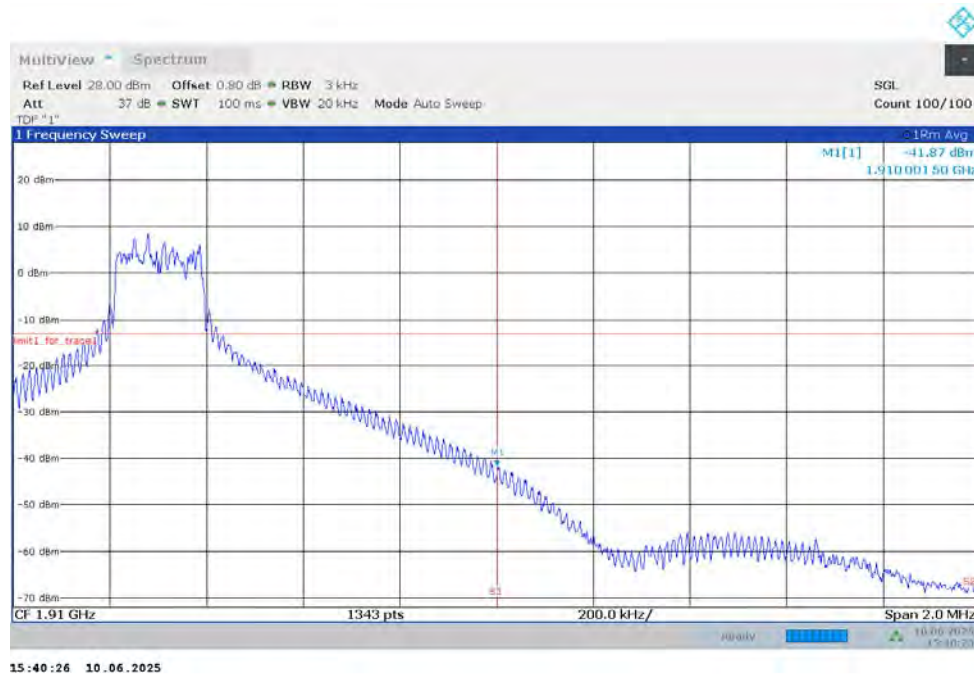
LOW BAND EDGE BLOCK-10MHz-1RB-LOW_offset



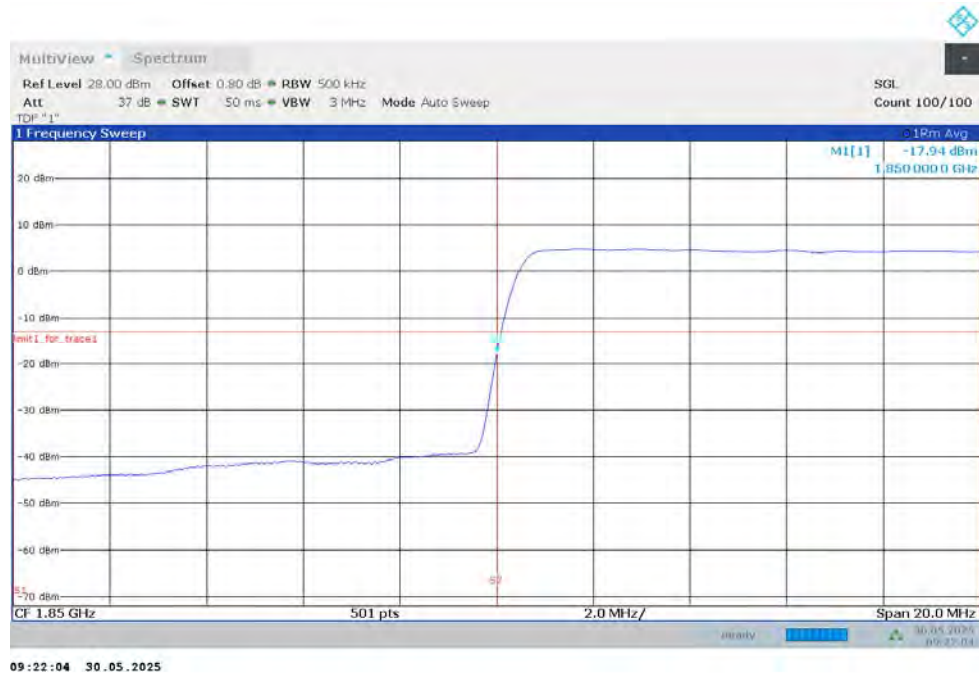
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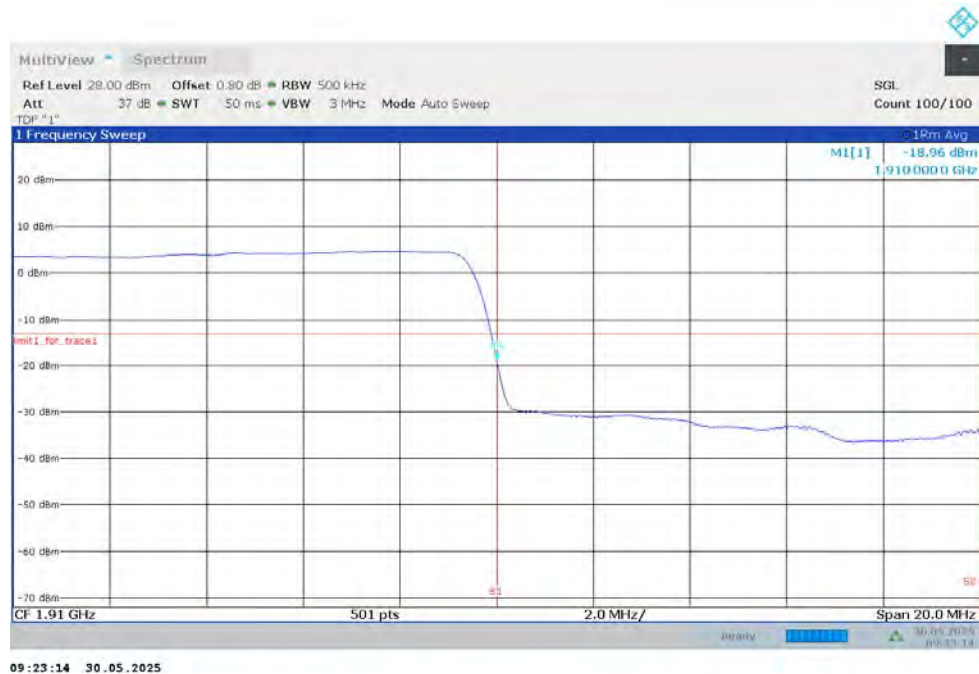
HIGH BAND EDGE BLOCK-30MHz-1RB-HIGH_offset



LOW BAND EDGE BLOCK-40MHz-100%RB



HIGH BAND EDGE BLOCK-40MHz-100%RB

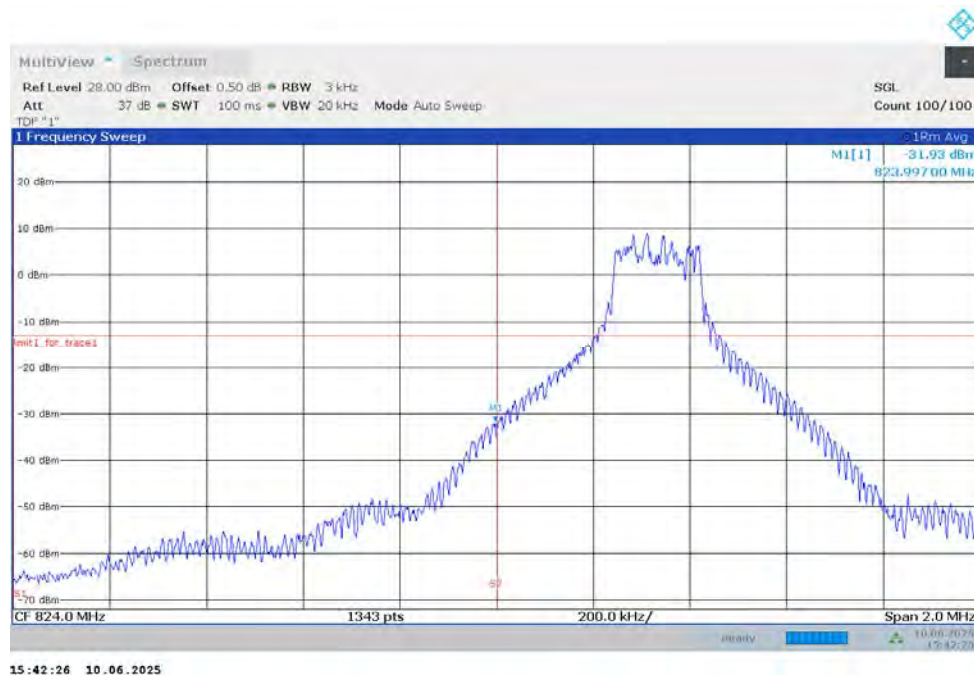


NR n5

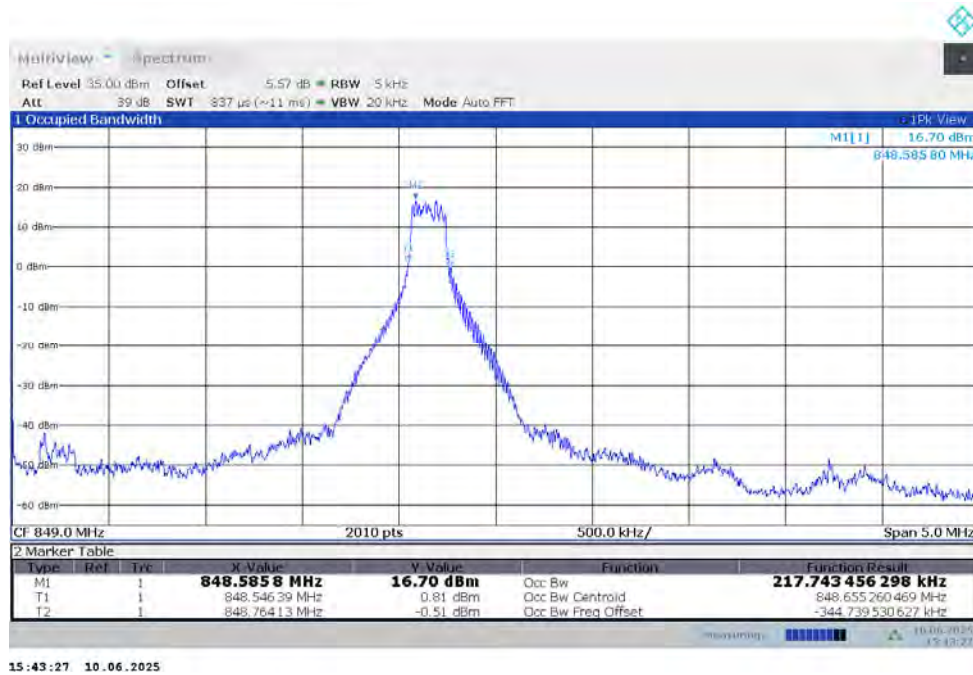
OBW: 1RB-LOW_offset



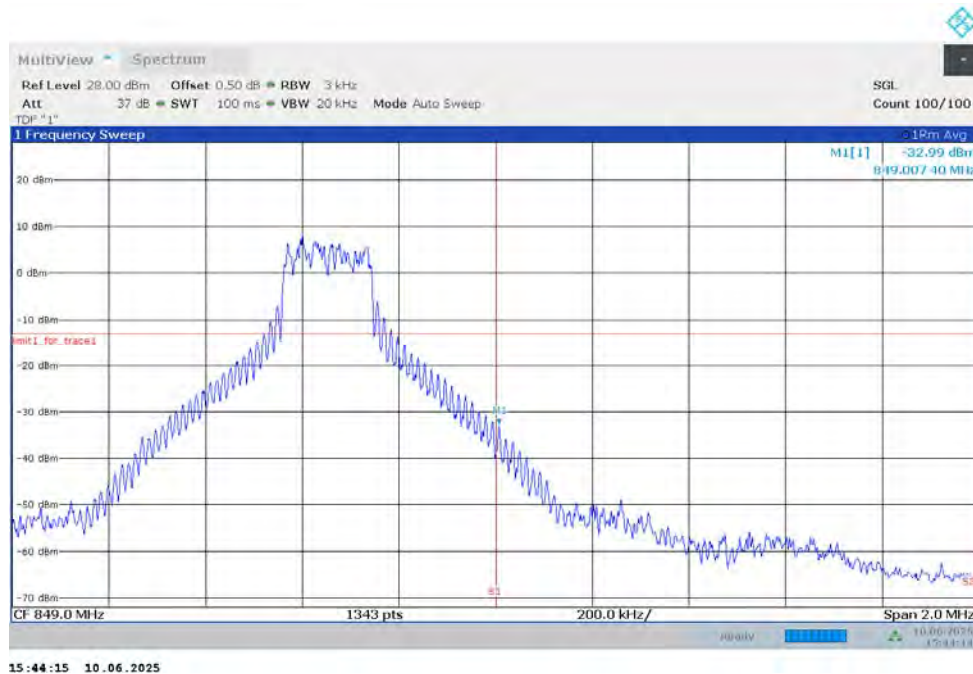
LOW BAND EDGE BLOCK-5MHz-1RB-LOW_offset



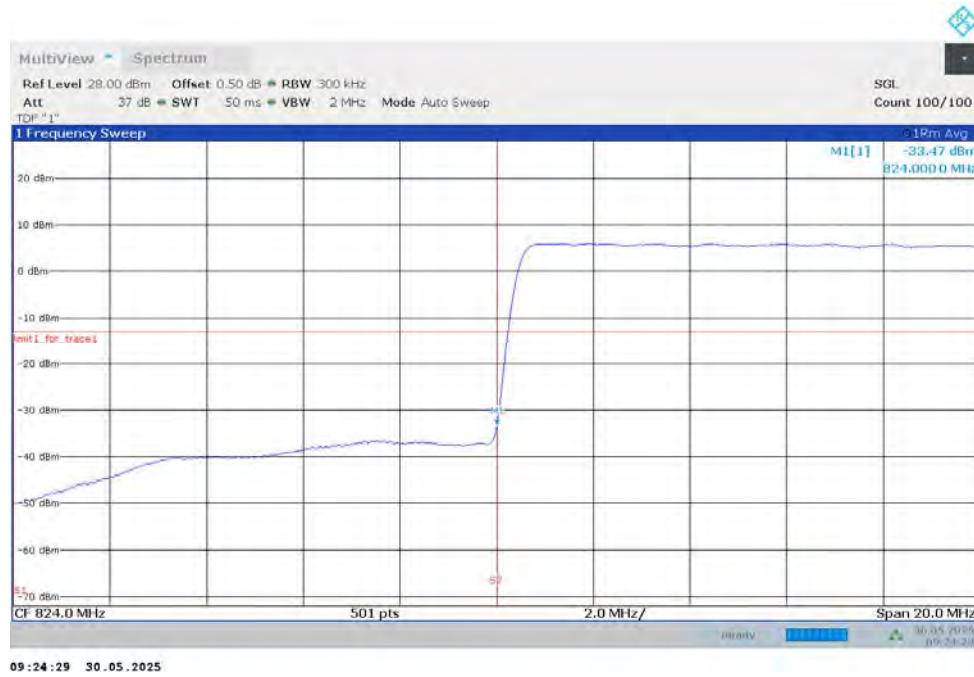
OBW: 1RB-HIGH_offset



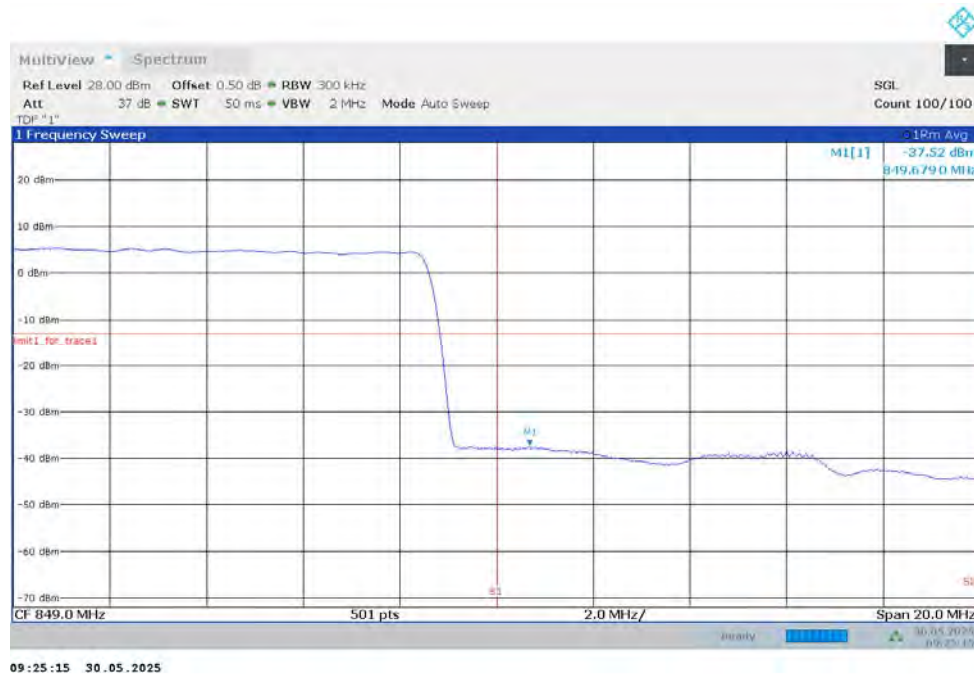
HIGH BAND EDGE BLOCK-5MHz-1RB-HIGH_offset



LOW BAND EDGE BLOCK-25MHz-100%RB

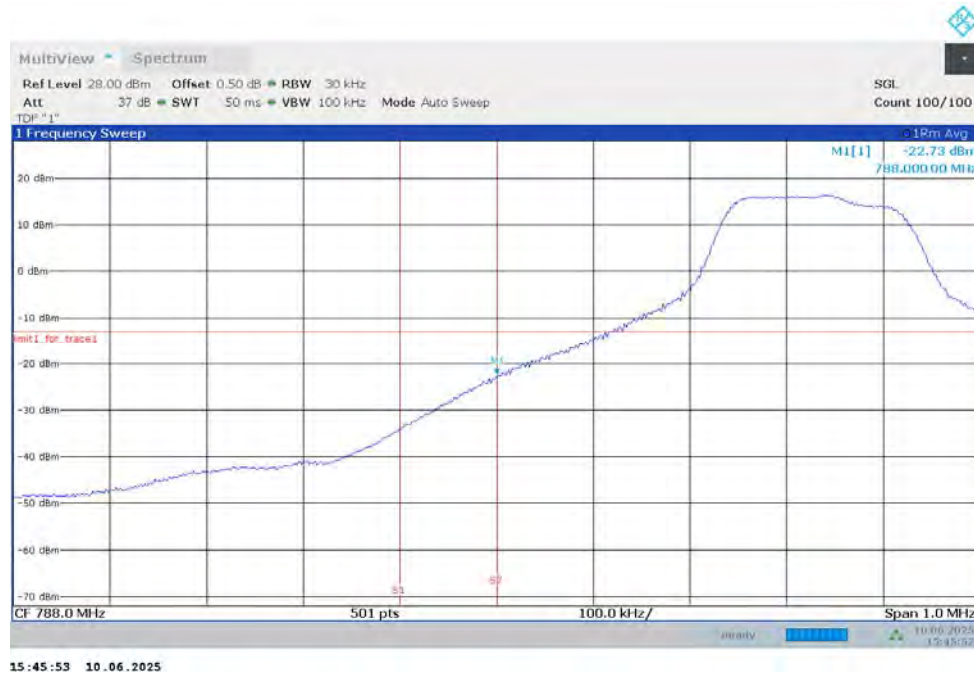


HIGH BAND EDGE BLOCK-25MHz-100%RB

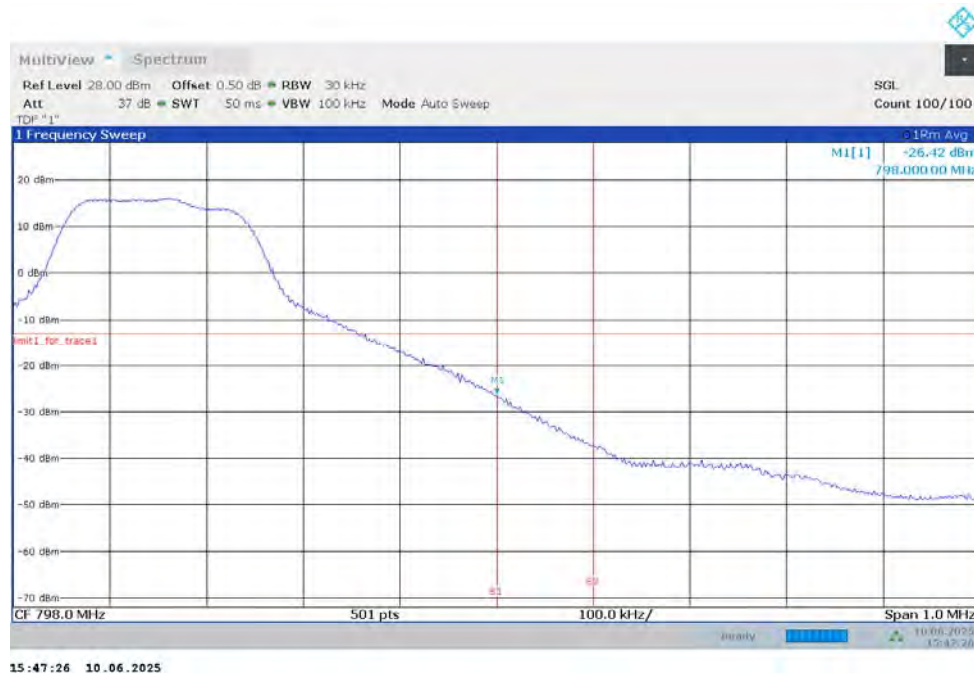


NR n14

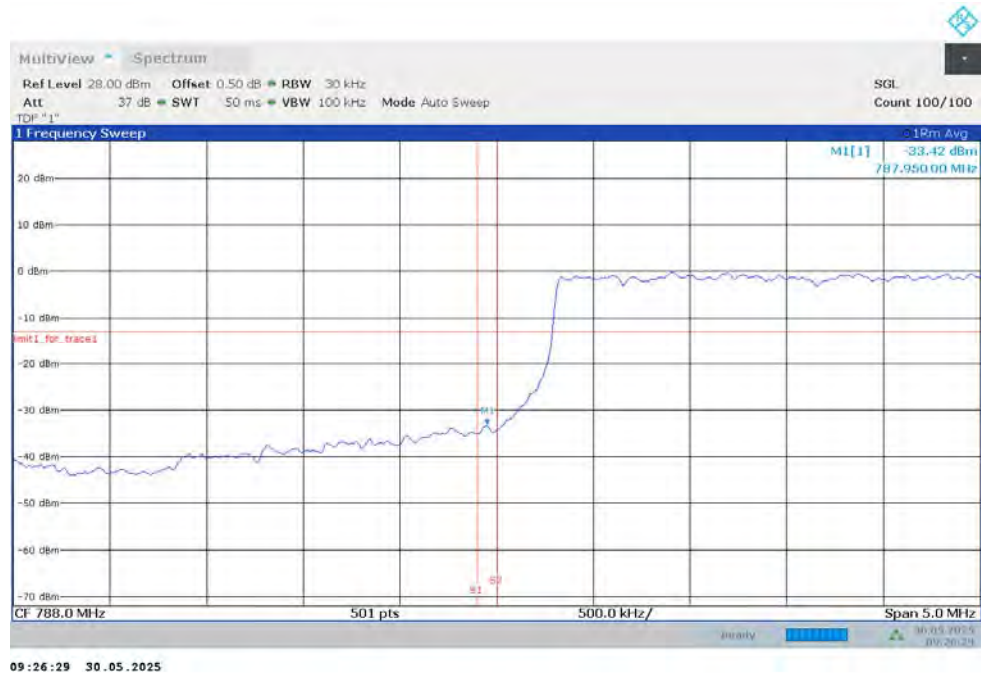
LOW BAND EDGE BLOCK-5MHz-1RB-LOW_offset



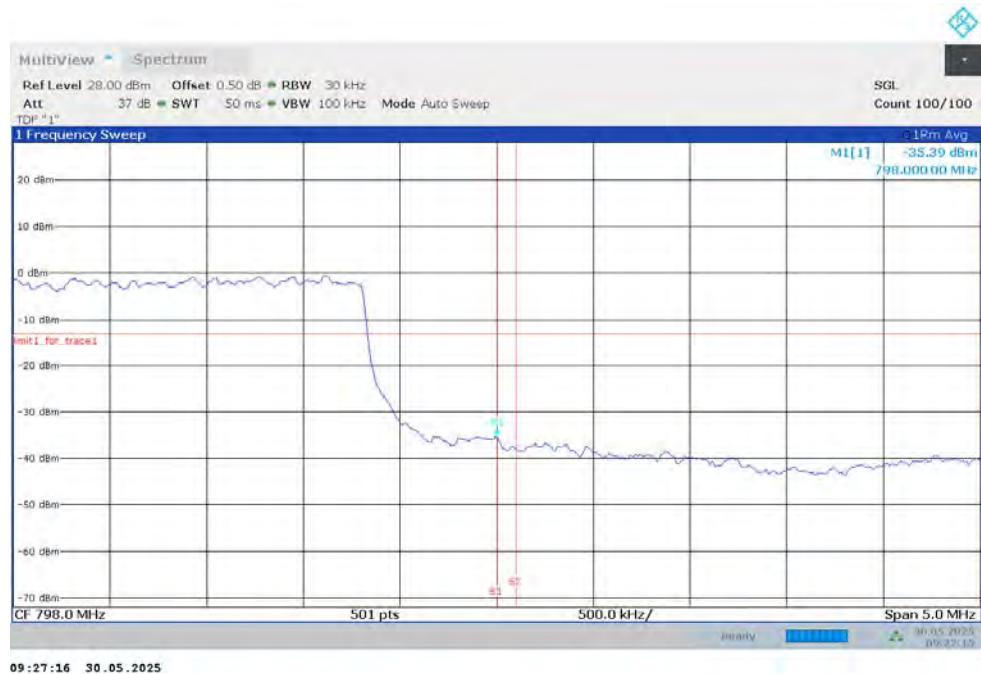
HIGH BAND EDGE BLOCK-5MHz-1RB-HIGH_offset



LOW BAND EDGE BLOCK-10MHz-100%RB

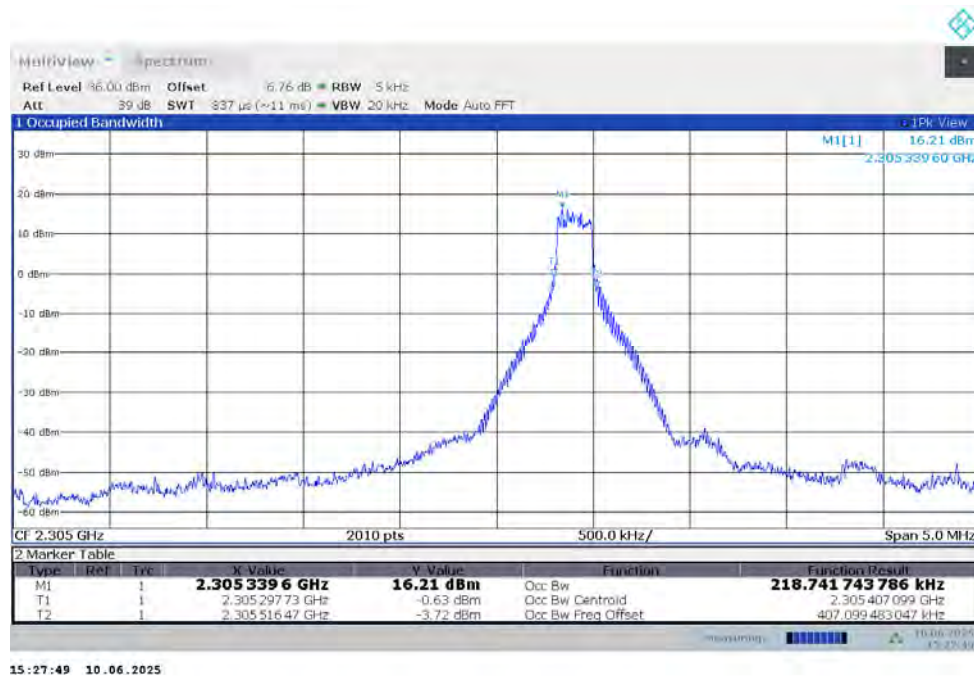


HIGH BAND EDGE BLOCK-10MHz-100%RB

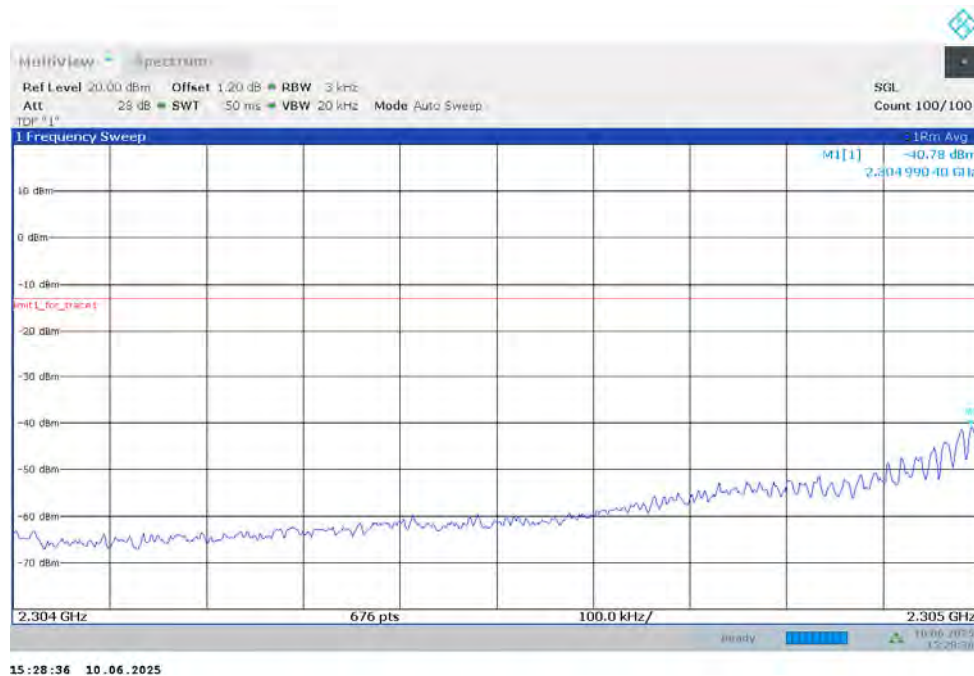


NR n30

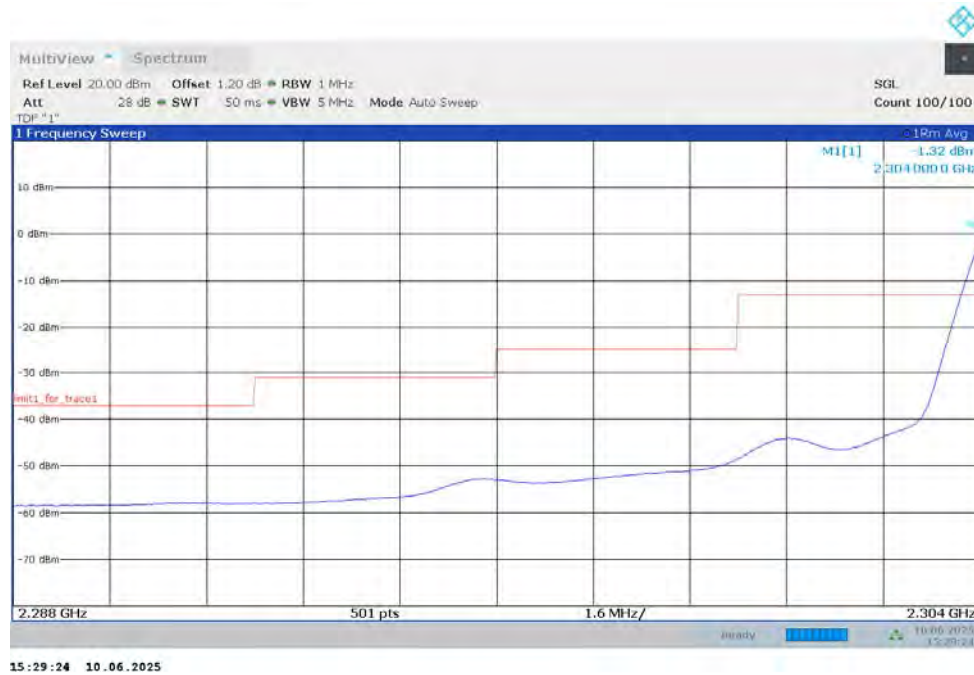
OBW: 1RB-LOW_offset



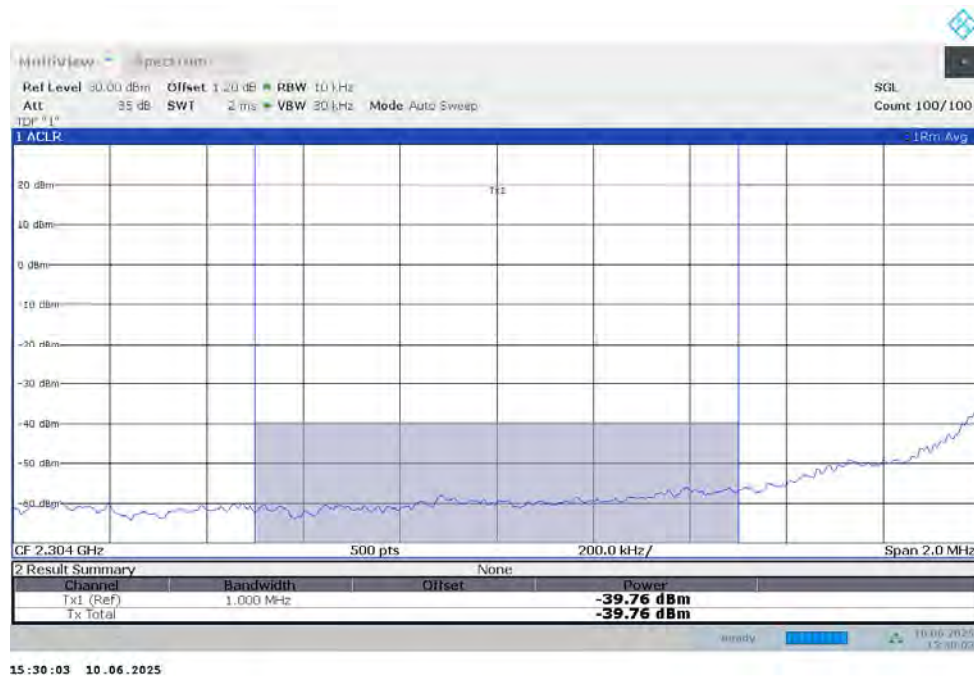
LOW BAND EDGE BLOCK-10MHz-1RB-LOW_offset



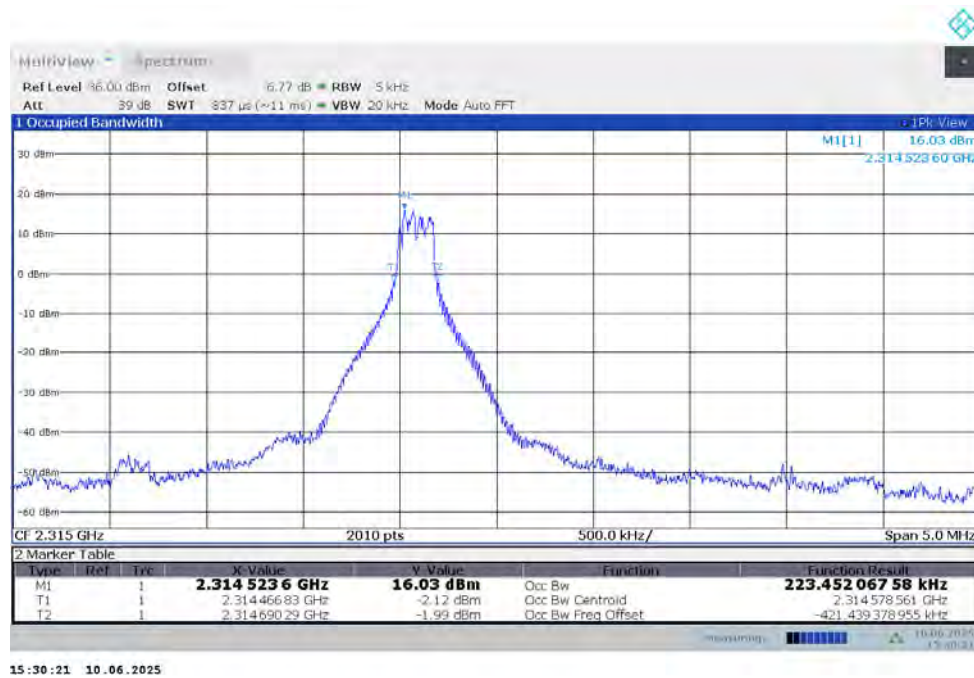
LOW BAND EDGE BLOCK-10MHz-1RB-LOW_offset



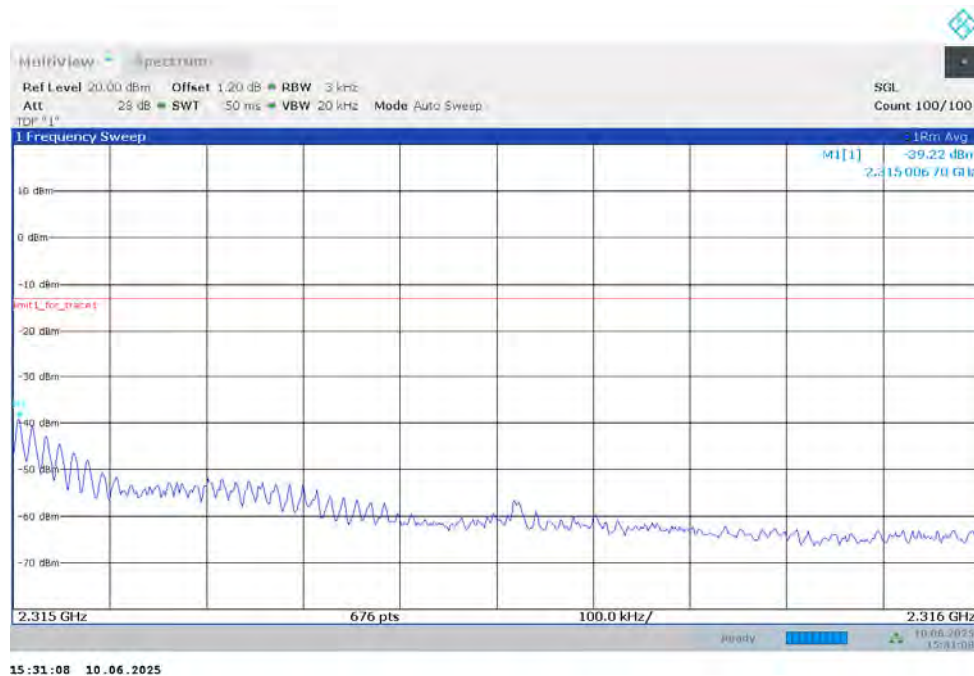
Channel power



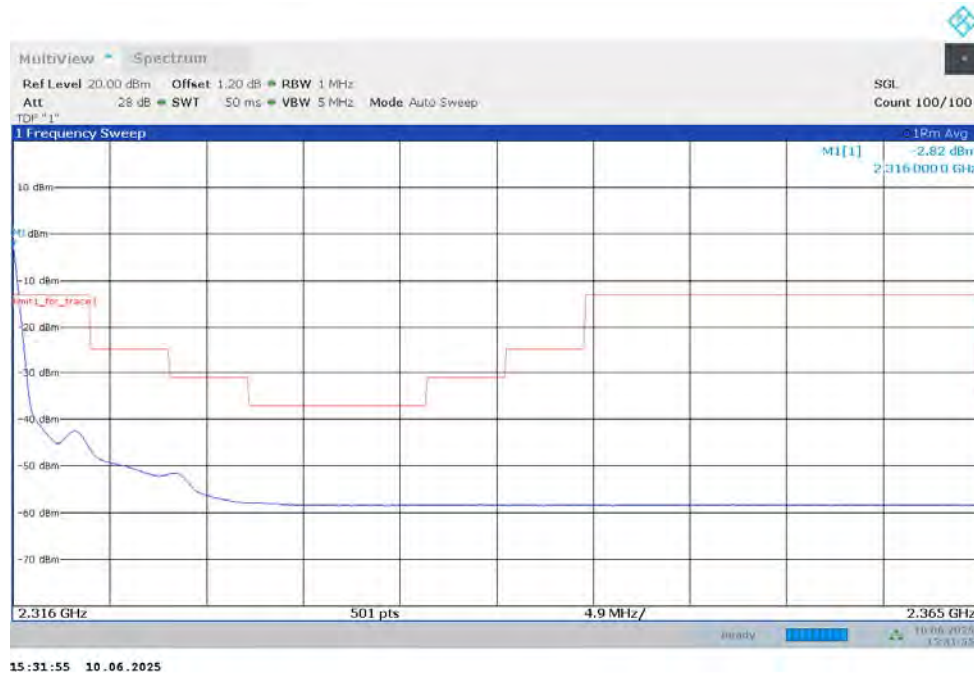
OBW: 1RB-HIGH_offset



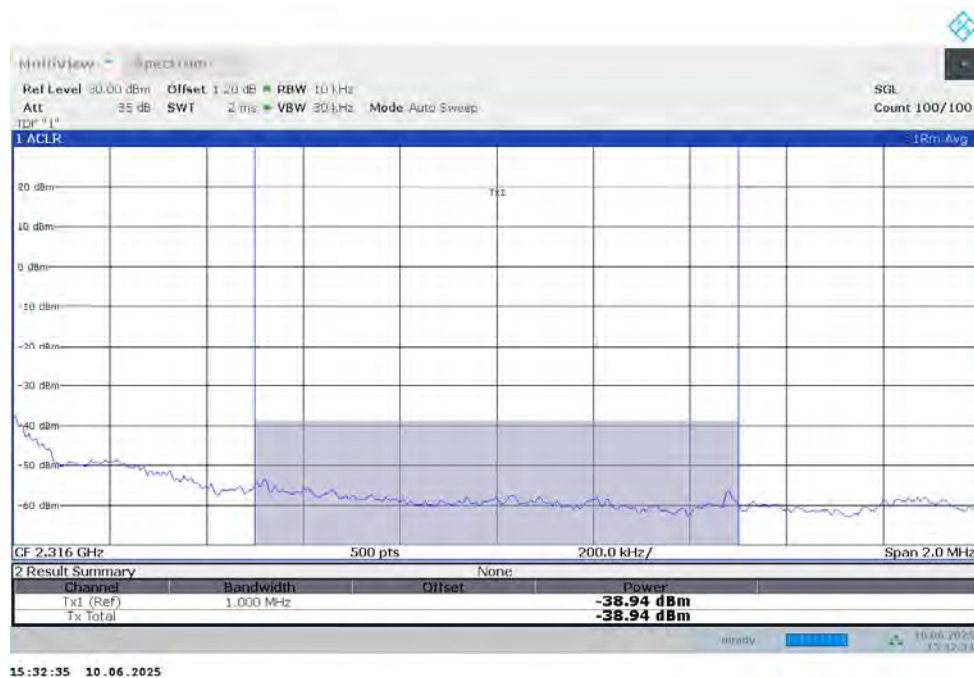
HIGH BAND EDGE BLOCK-10MHz-1RB-HIGH_offset



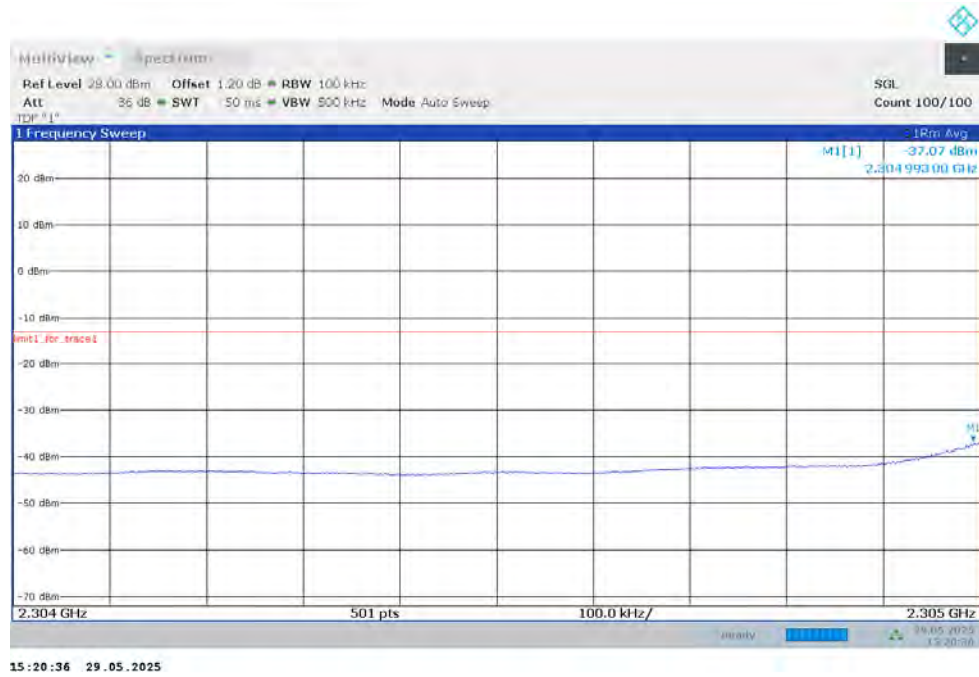
HIGH BAND EDGE BLOCK-10MHz-1RB-HIGH_offset



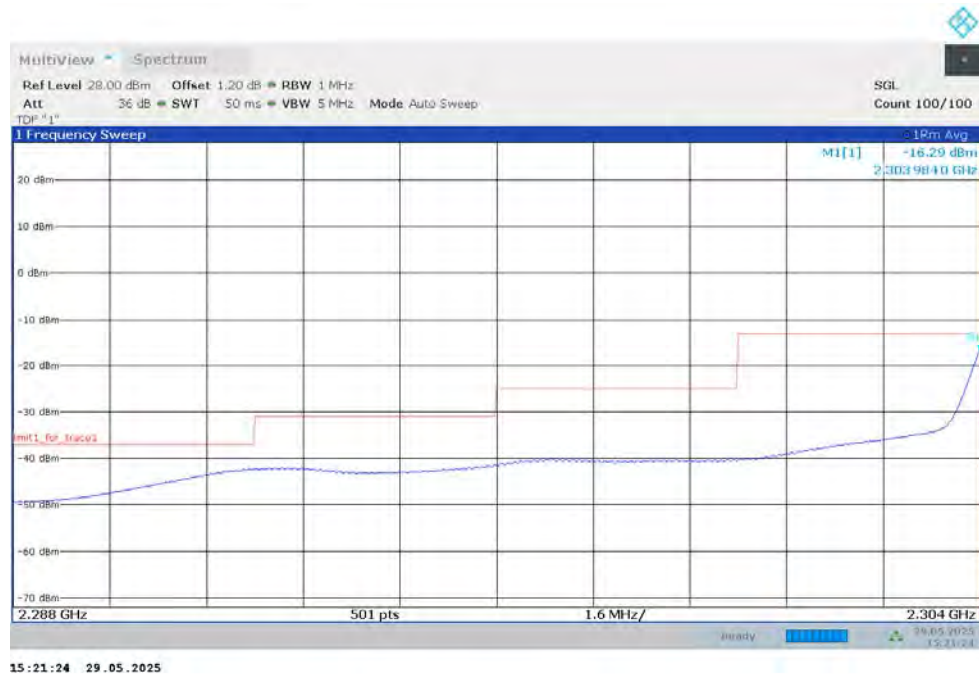
Channel power



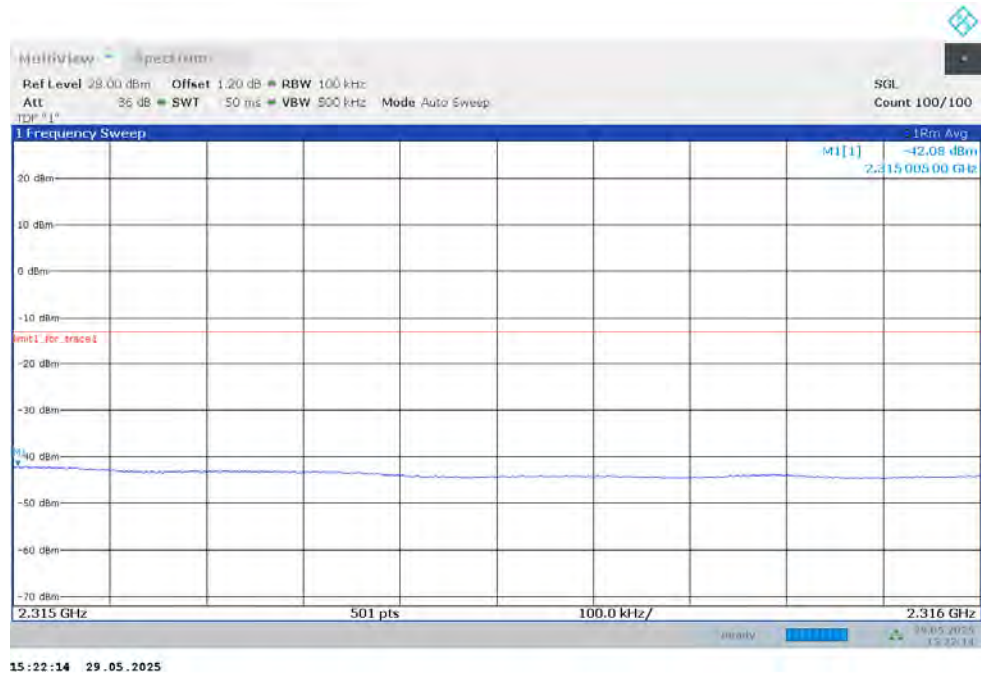
LOW BAND EDGE BLOCK-10MHz-100%RB



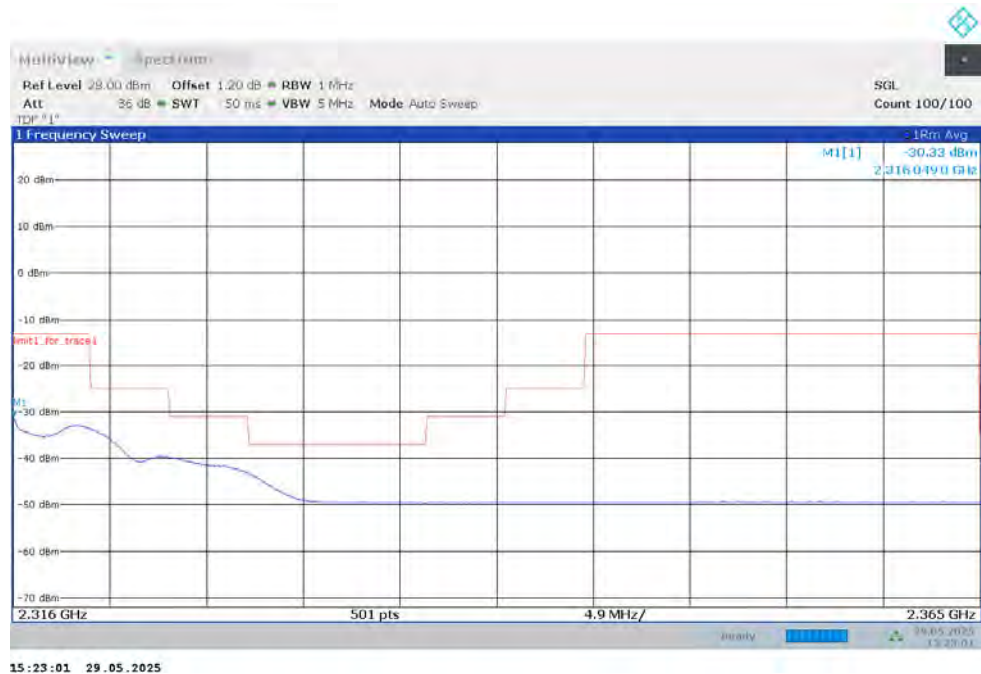
LOW BAND EDGE BLOCK-10MHz-100%RB



HIGH BAND EDGE BLOCK-10MHz-100%RB

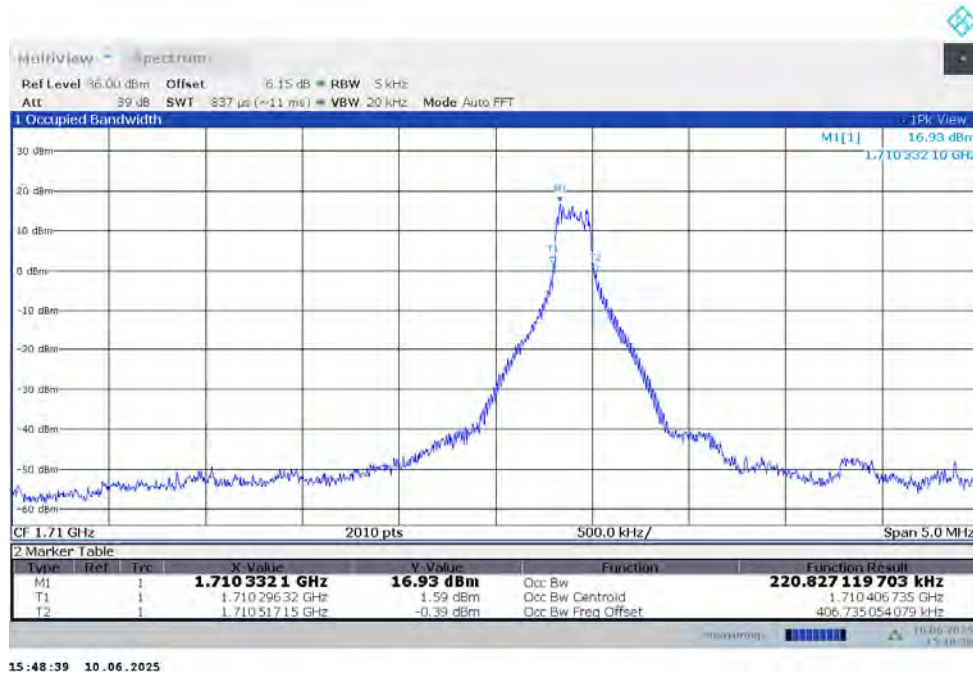


HIGH BAND EDGE BLOCK-10MHz-100%RB

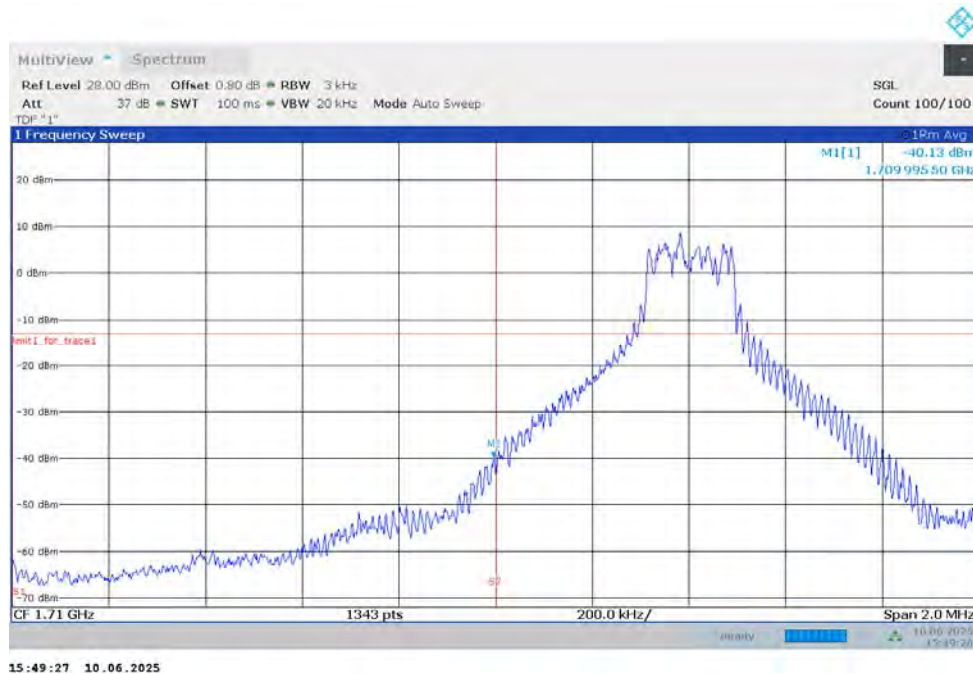


NR n66

OBW: 1RB-LOW_offset



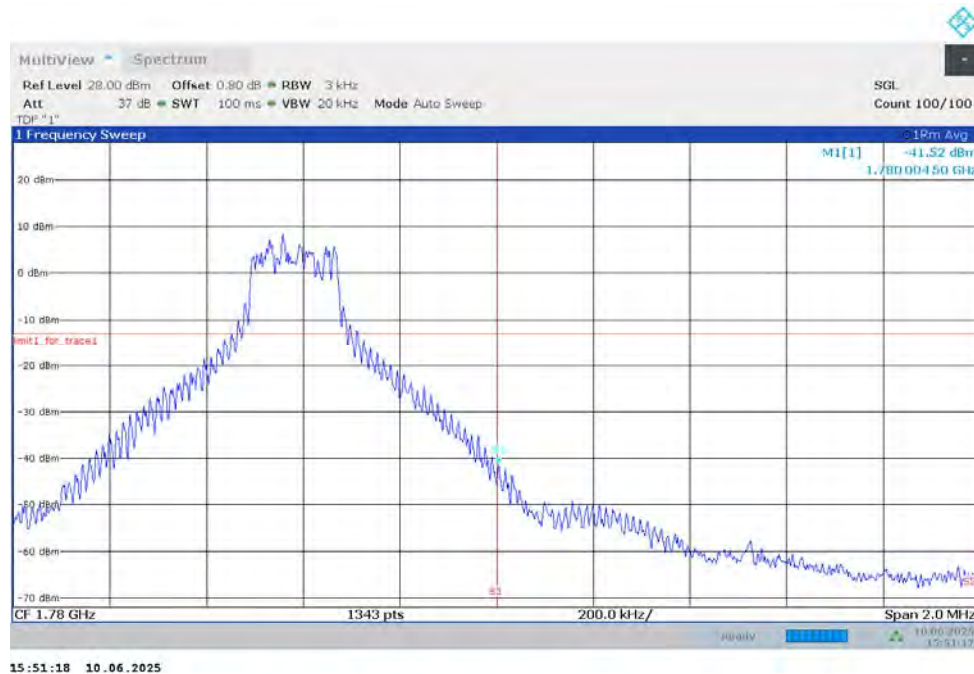
LOW BAND EDGE BLOCK-10MHz-1RB-LOW_offset



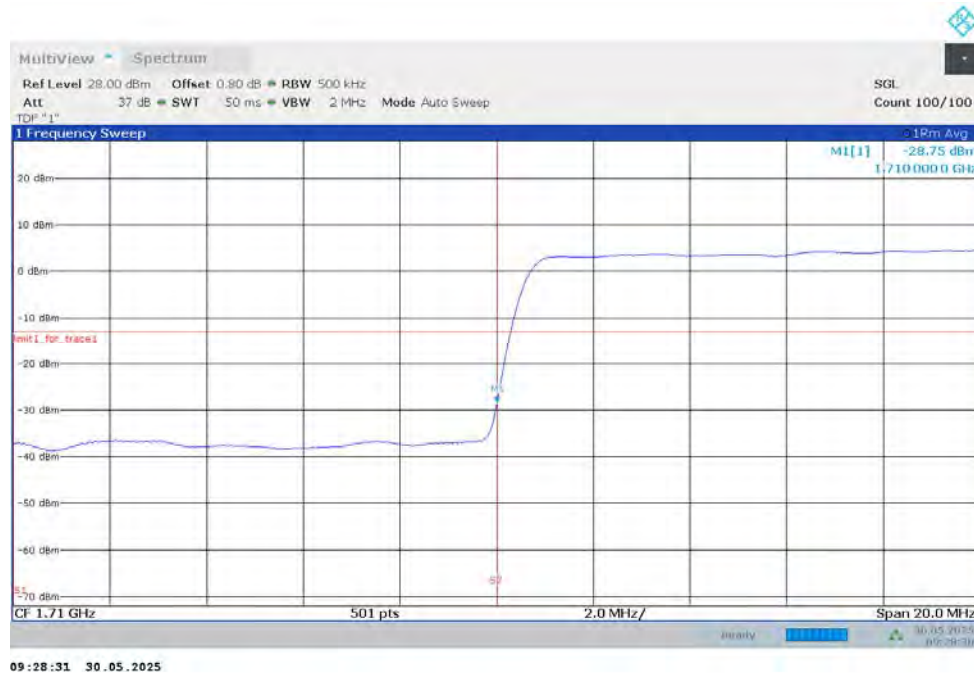
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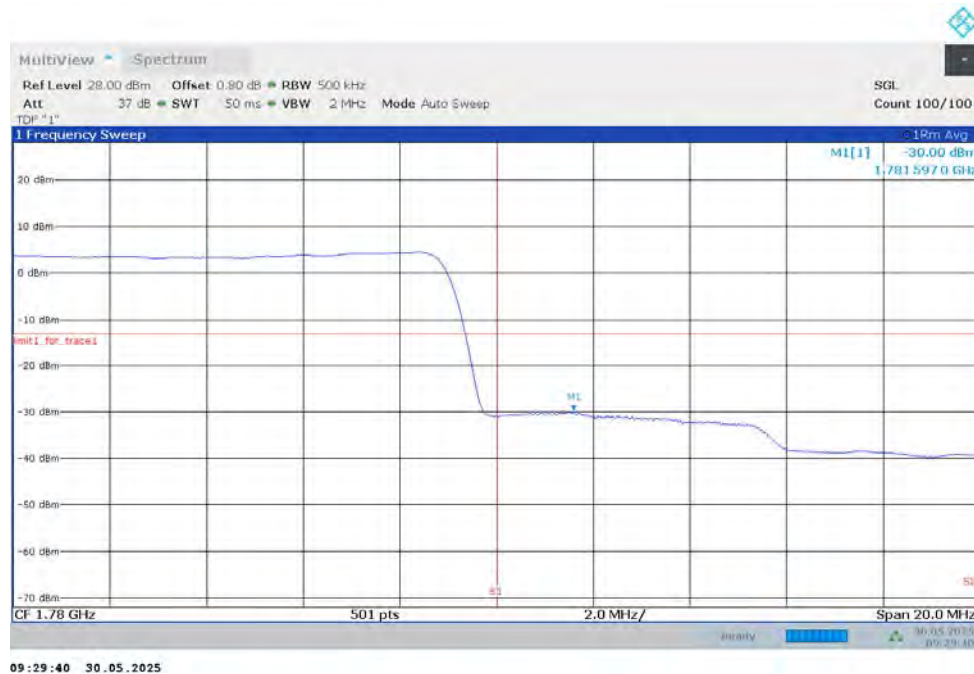
HIGH BAND EDGE BLOCK-10MHz-1RB-HIGH_offset



LOW BAND EDGE BLOCK-45MHz-100%RB

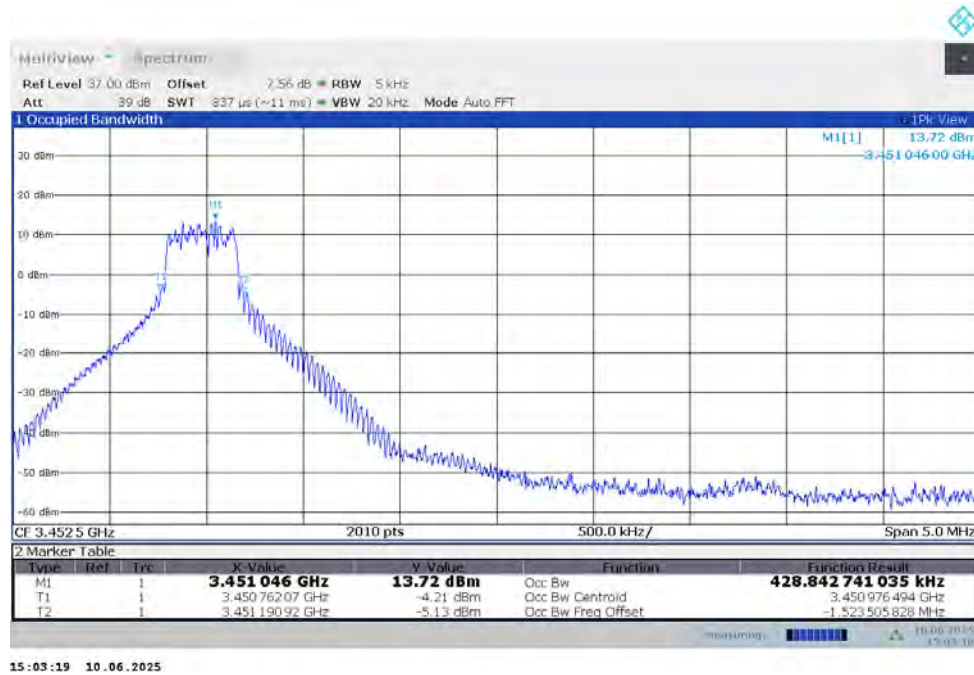


HIGH BAND EDGE BLOCK-45MHz-100%RB

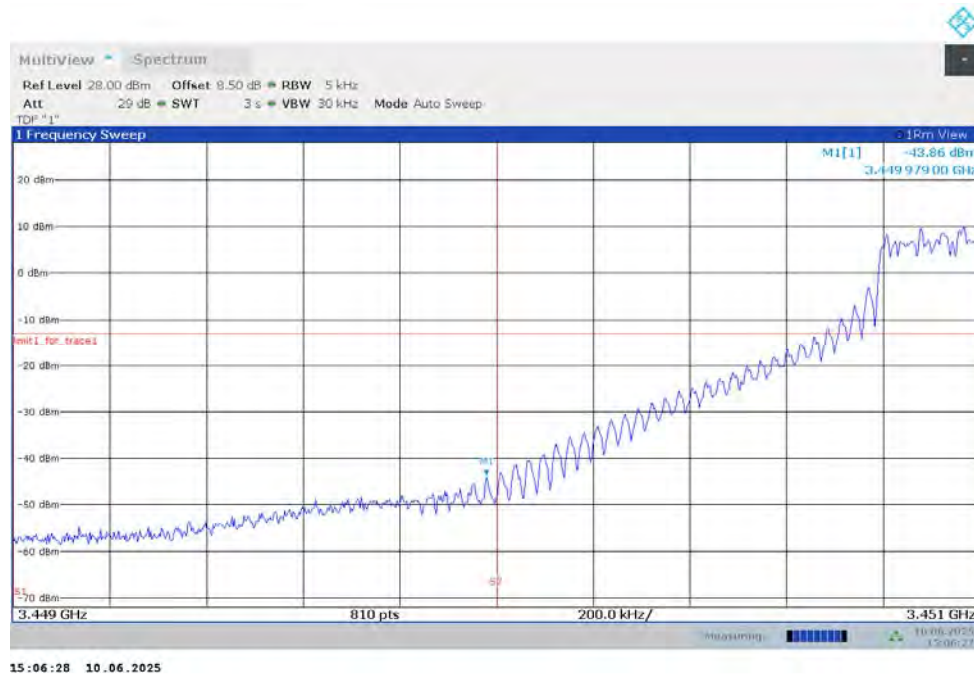


NR n77L

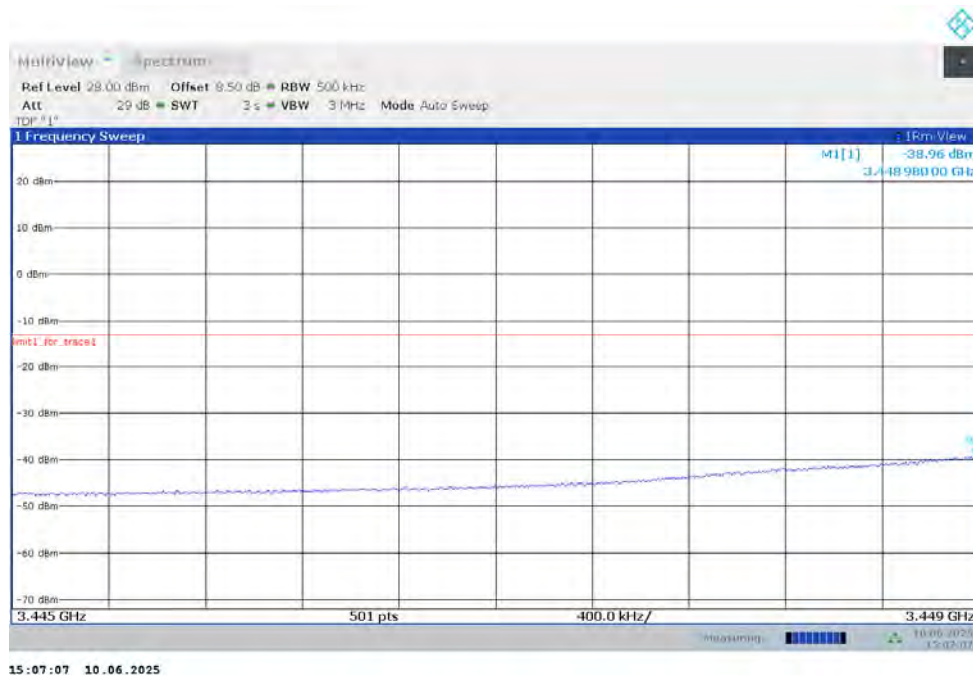
OBW: 1RB-LOW_offset



LOW BAND EDGE BLOCK-25MHz-1RB-LOW_offset



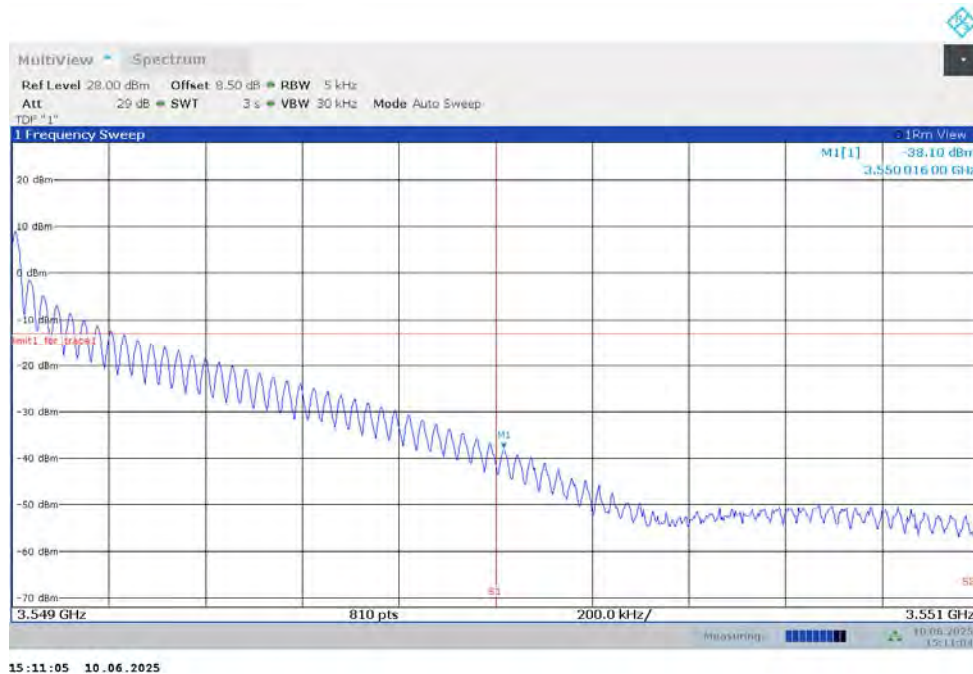
LOW BAND EDGE BLOCK-25MHz-1RB-LOW_offset



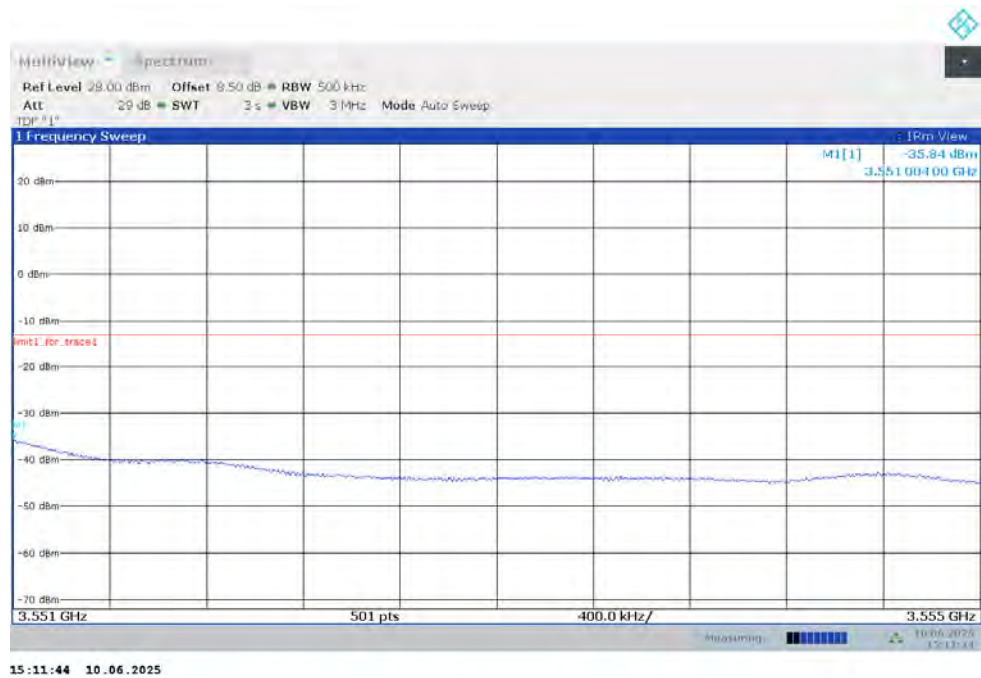
OBW: 1RB-HIGH_offset



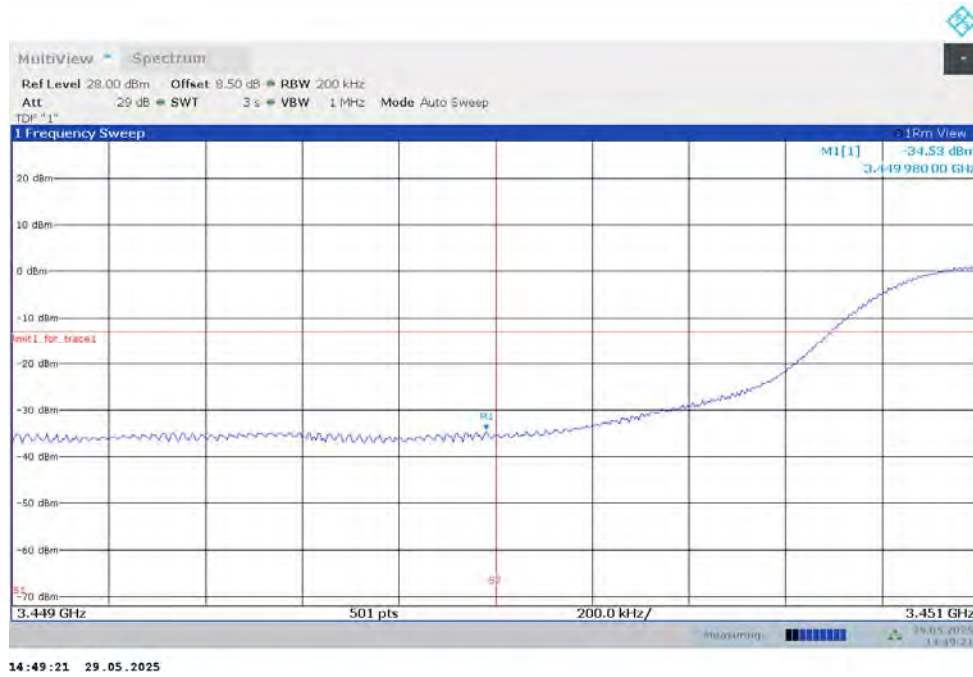
HIGH BAND EDGE BLOCK-30MHz-1RB-HIGH_offset



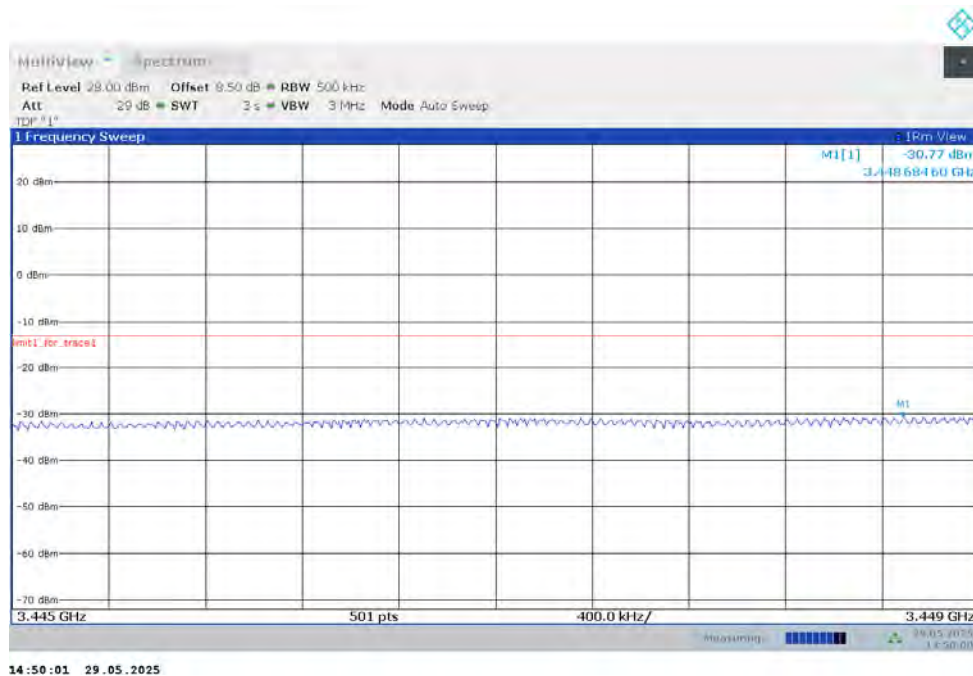
HIGH BAND EDGE BLOCK-30MHz-1RB-HIGH_offset



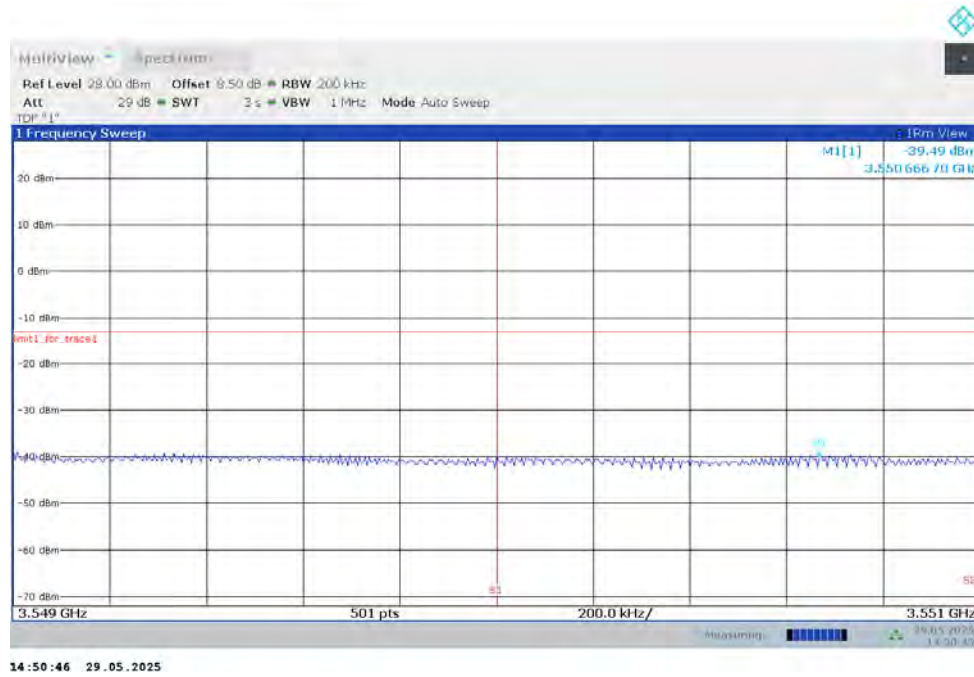
LOW BAND EDGE BLOCK-100MHz-100%RB



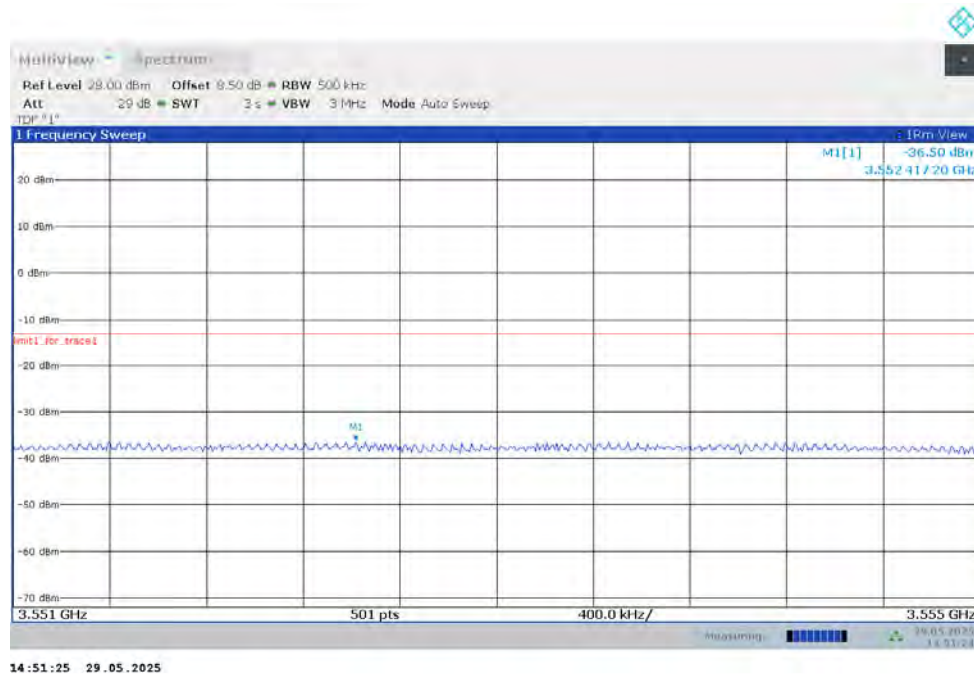
LOW BAND EDGE BLOCK-100MHz-100%RB



HIGH BAND EDGE BLOCK-100MHz-100%RB

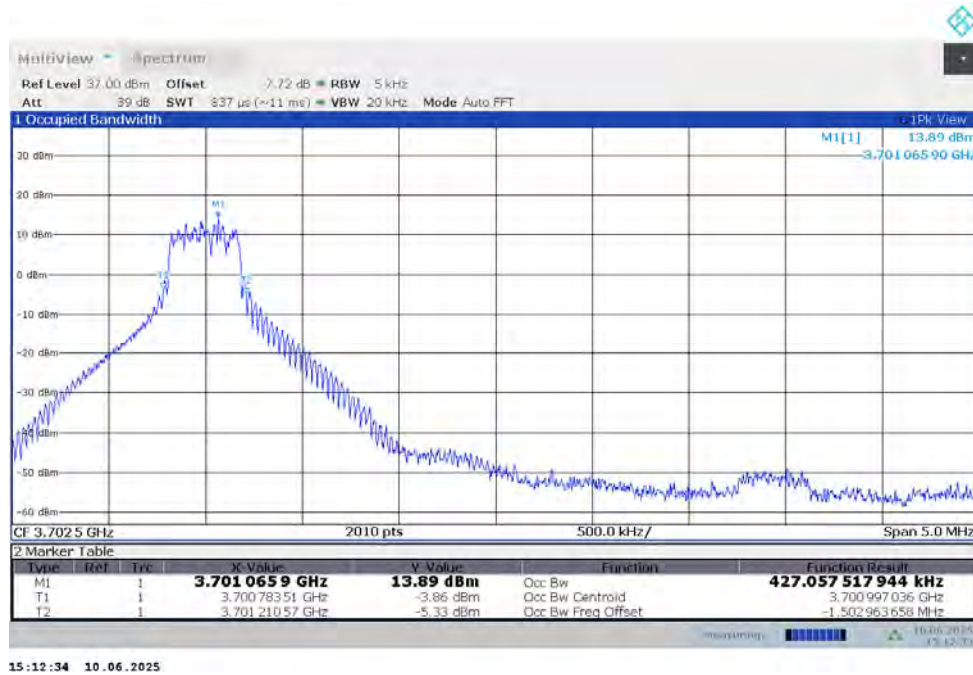


HIGH BAND EDGE BLOCK-100MHz-100%RB

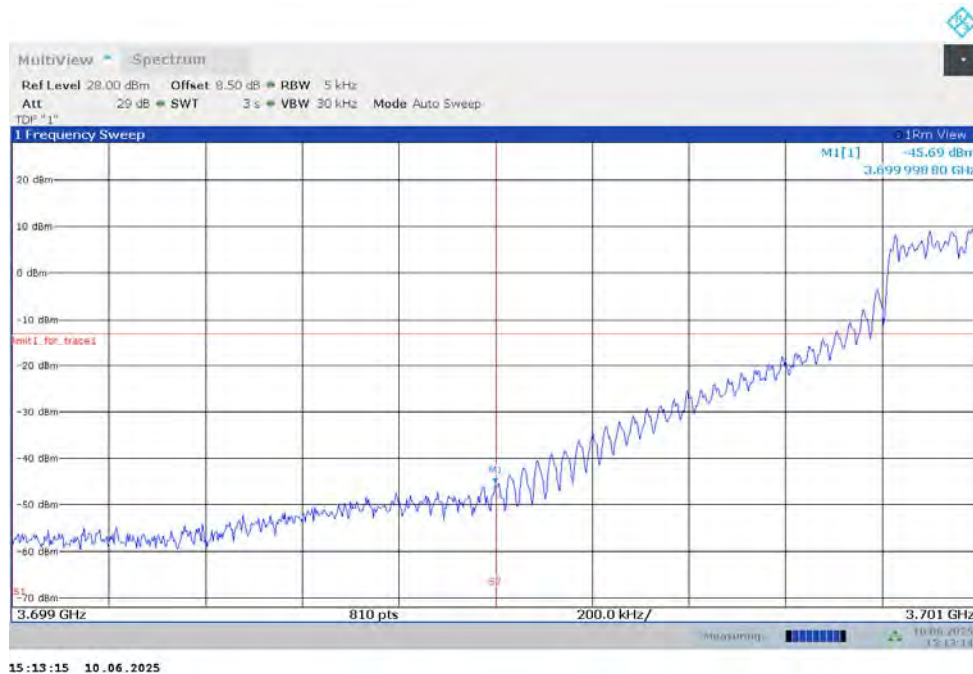


NR n77H

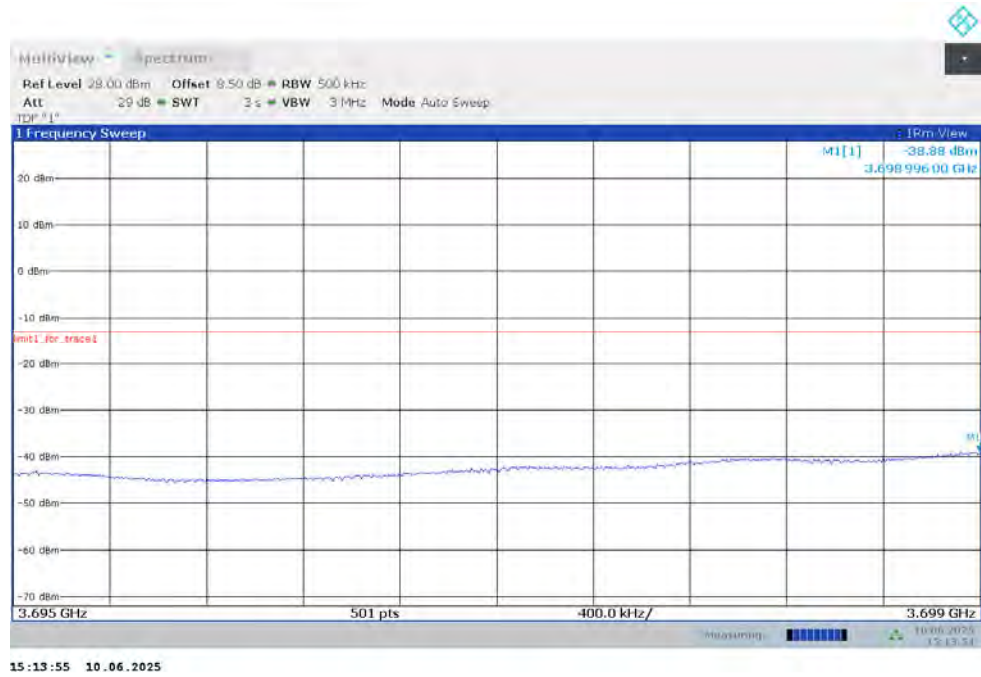
OBW: 1RB-LOW_offset



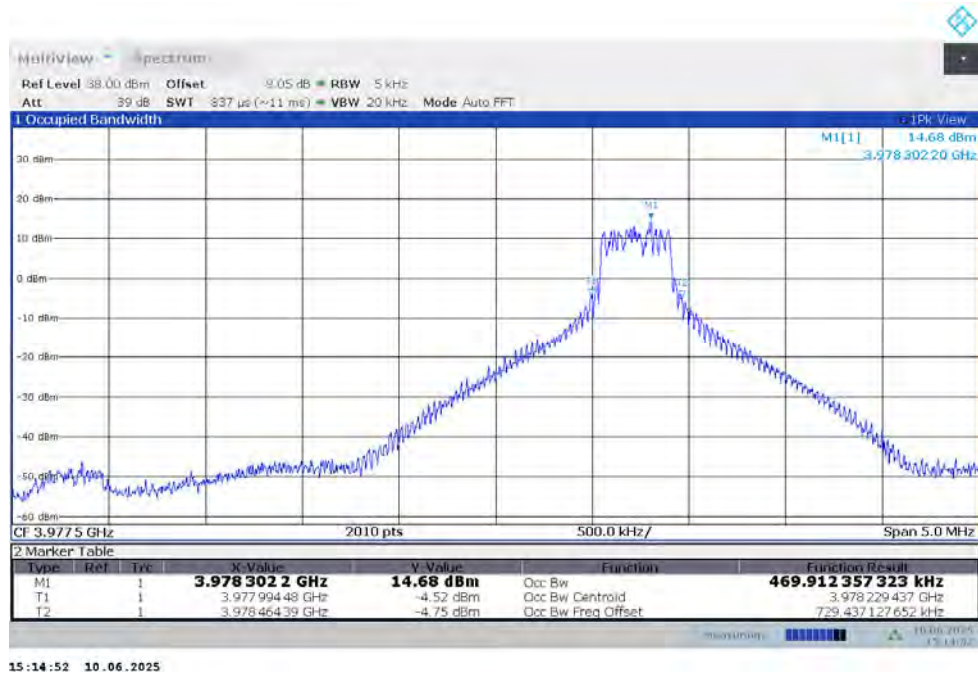
LOW BAND EDGE BLOCK-20MHz-1RB-LOW_offset



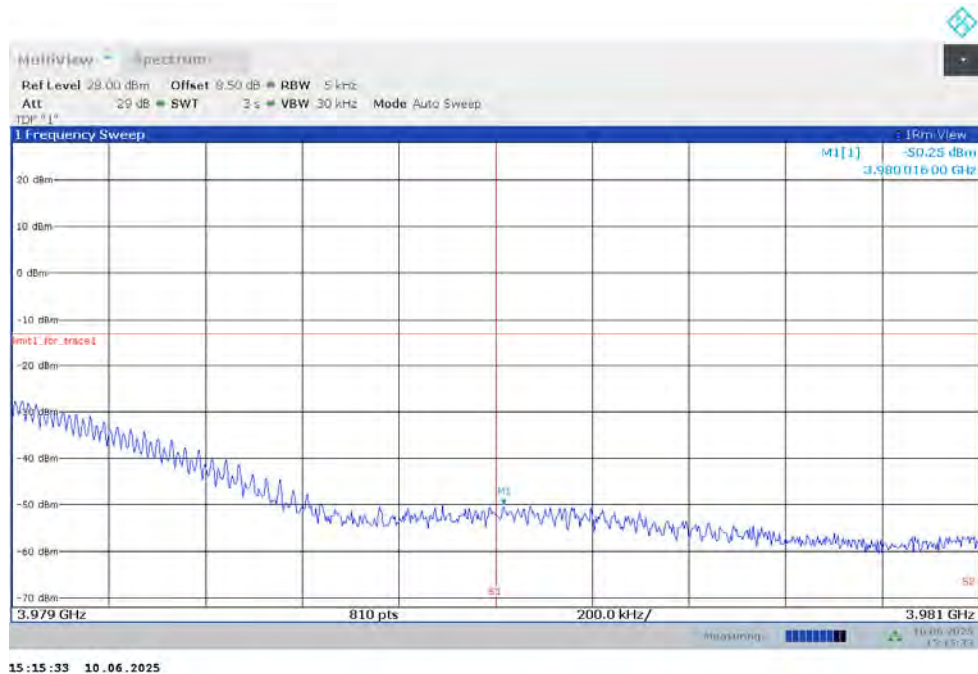
LOW BAND EDGE BLOCK-20MHz-1RB-LOW_offset



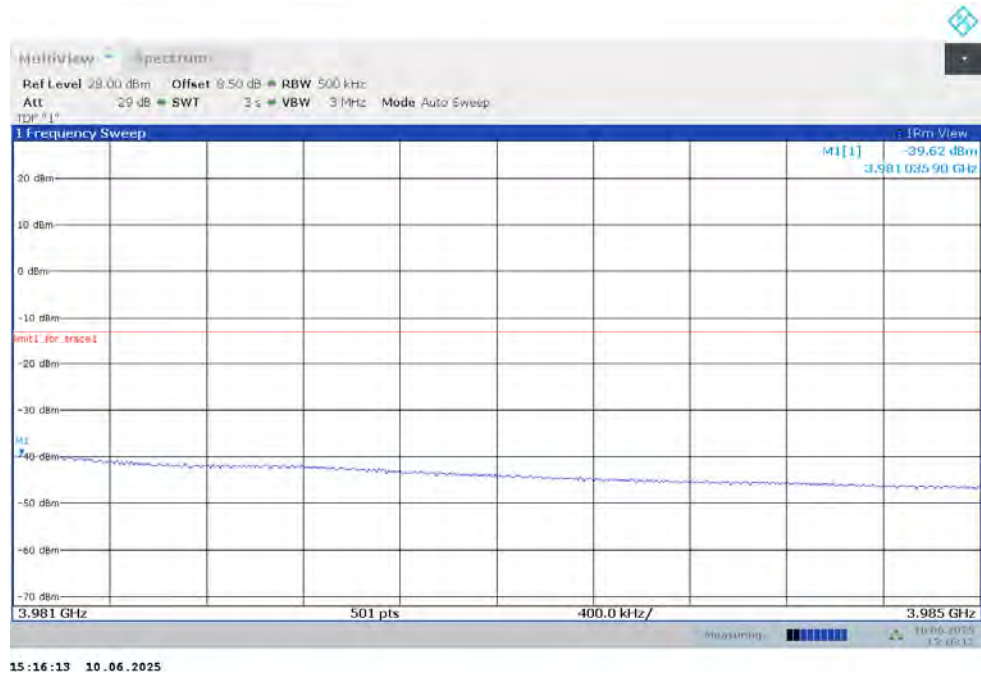
OBW: 1RB-HIGH_offset



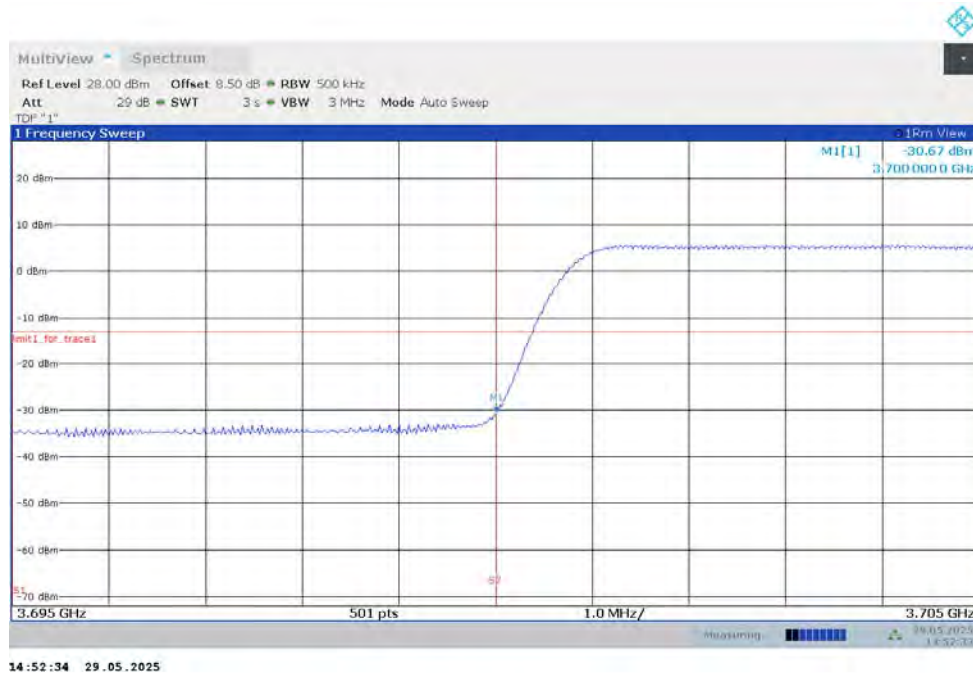
HIGH BAND EDGE BLOCK-50MHz-1RB-HIGH_offset



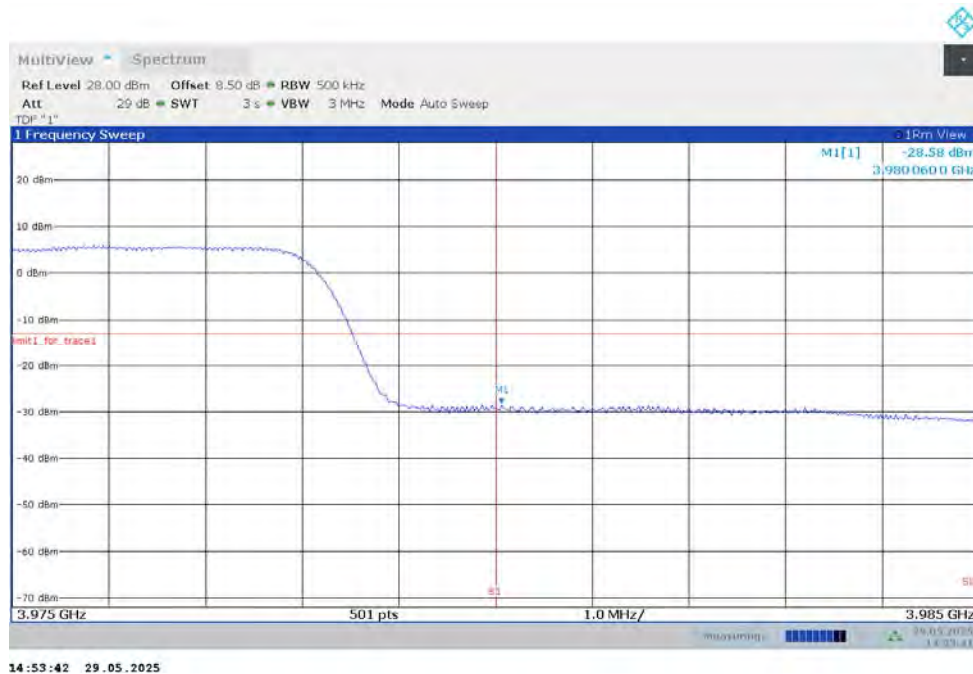
HIGH BAND EDGE BLOCK-50MHz-1RB-HIGH_offset



LOW BAND EDGE BLOCK-100MHz-100%RB



HIGH BAND EDGE BLOCK-100MHz-100%RB



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 $2 \times \text{span/RBW}$.

A. 7.2 Measurement Limit

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

Part 27.53(a) states for mobile and portable stations operating in the 2305–2315 MHz and 2350–2360 MHz bands: By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337 MHz; By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log(P)$ dB below 2288 MHz; By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log(P)$ dB above 2365 MHz.

Part 90.543 states that for operations in the 758–768 MHz and the 788–798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following: (1) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations. (2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations. (3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log(P)$ dB. (4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment. (5) Compliance with the provisions of

paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

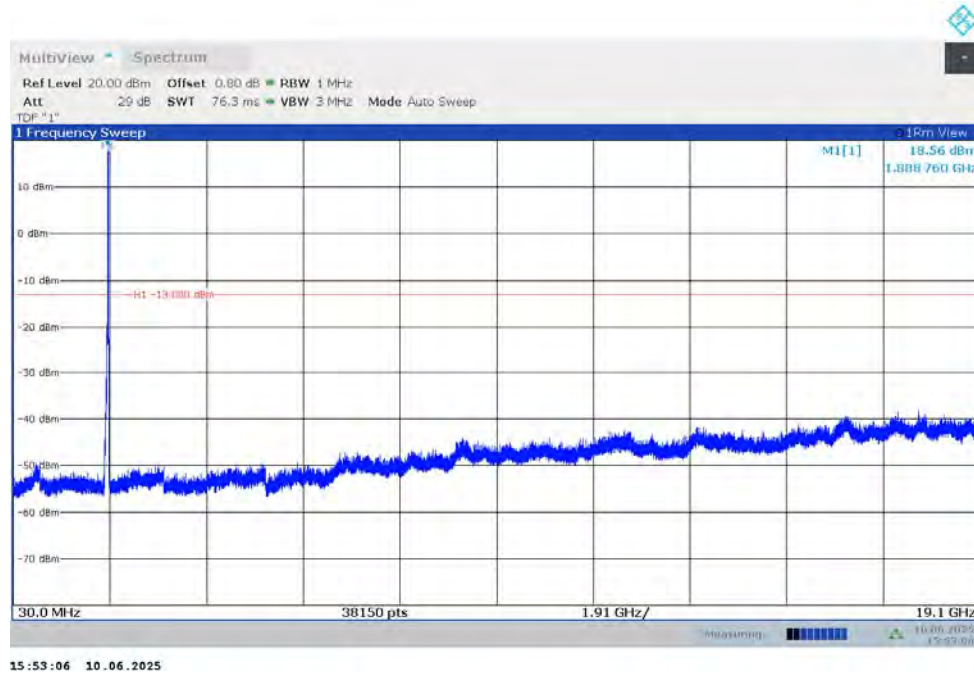
Part 27.53(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater.

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.

A.7.3 Measurement result

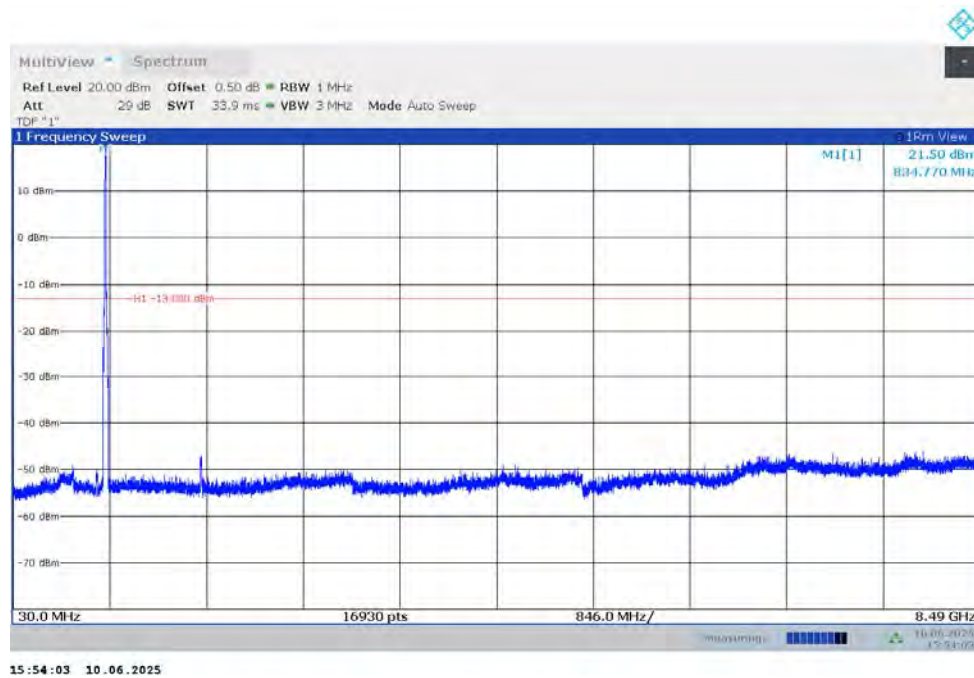
n2

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



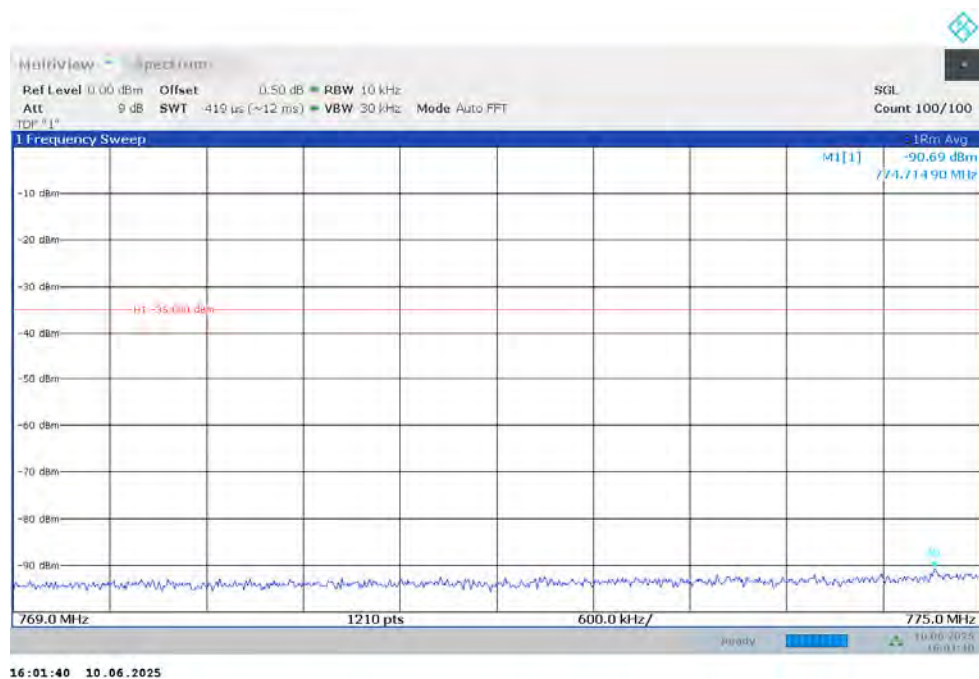
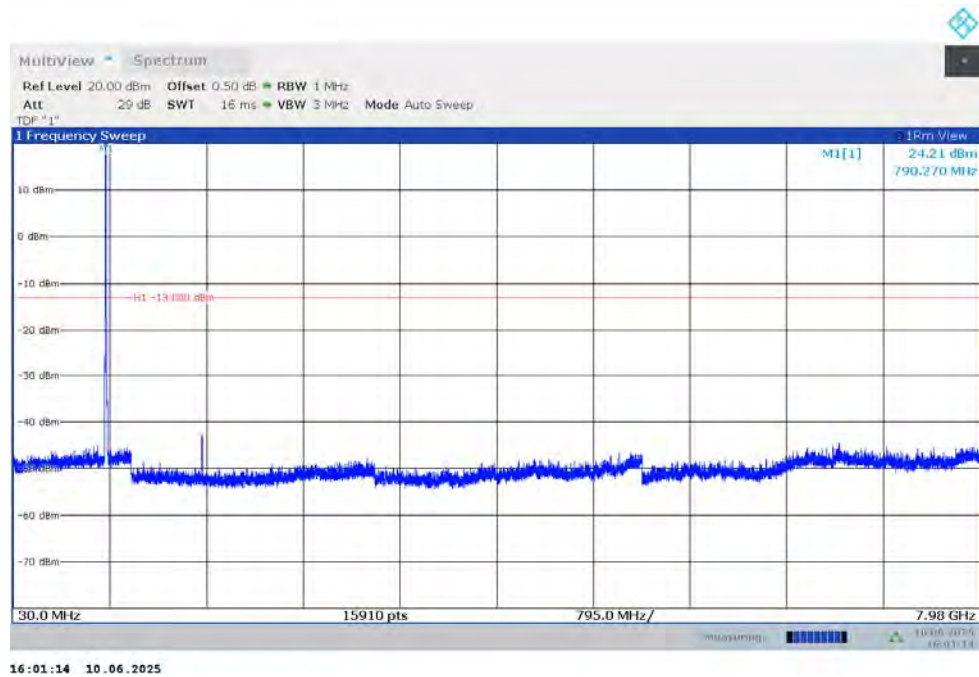
n5

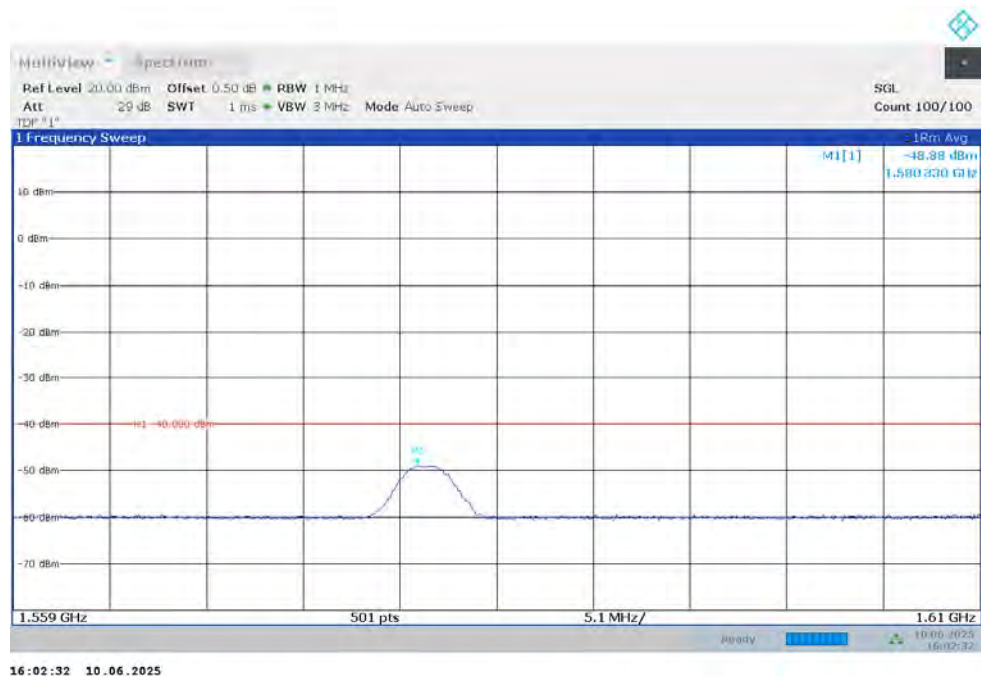
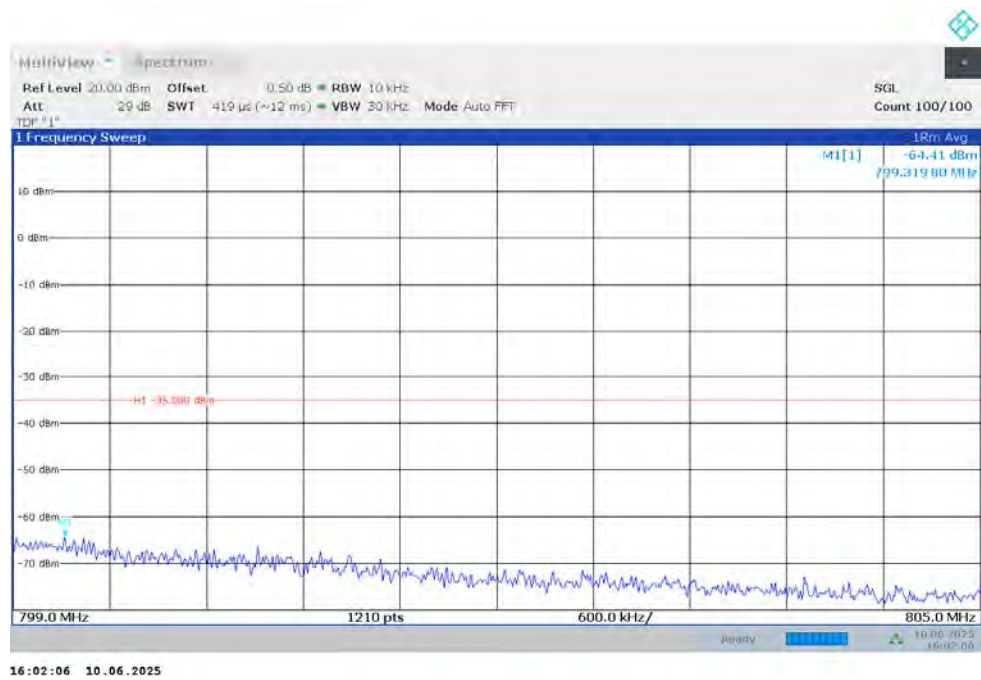
NOTE: peak above the limit line is the carrier frequency.



n14

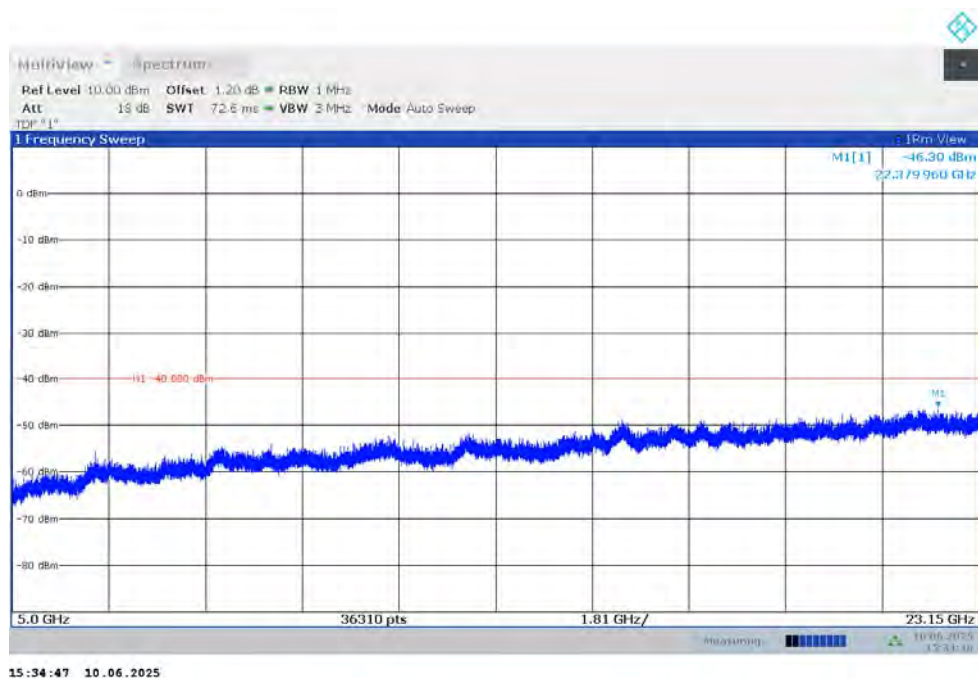
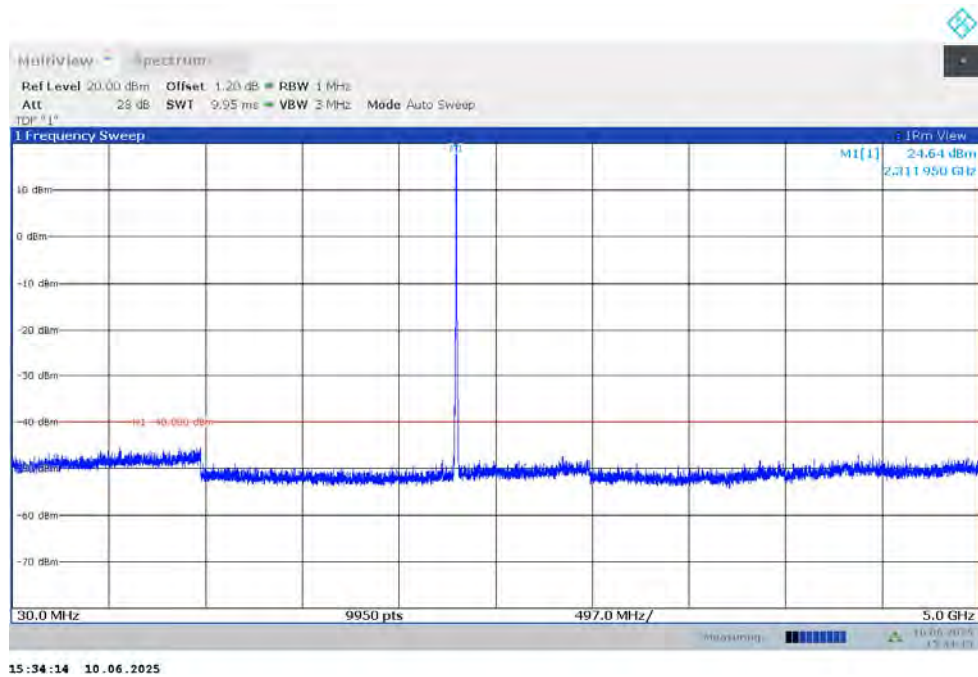
NOTE: peak above the limit line is the carrier frequency.





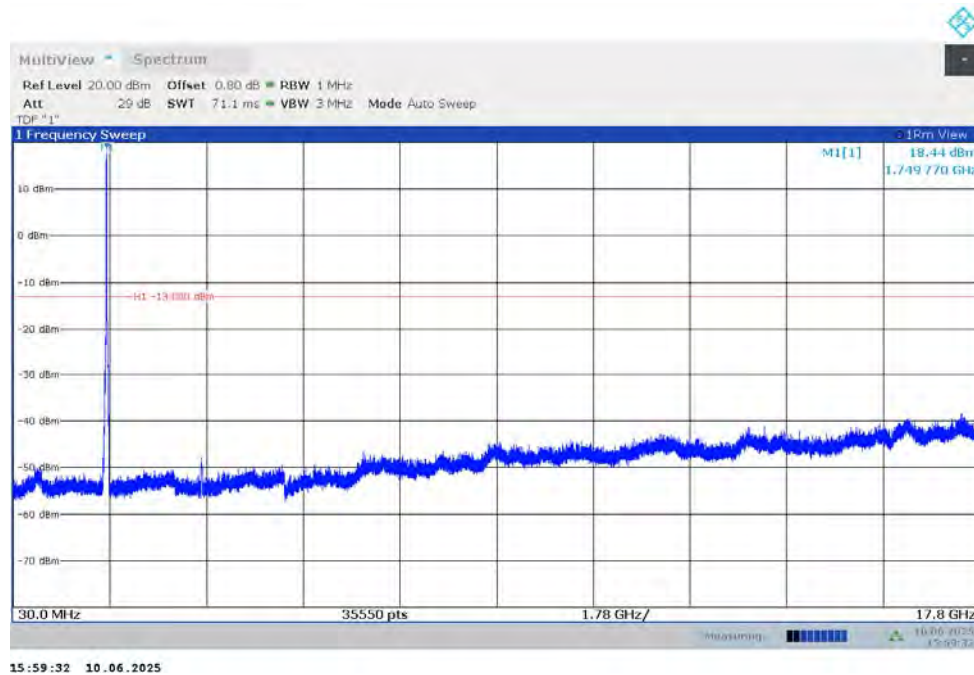
n30

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



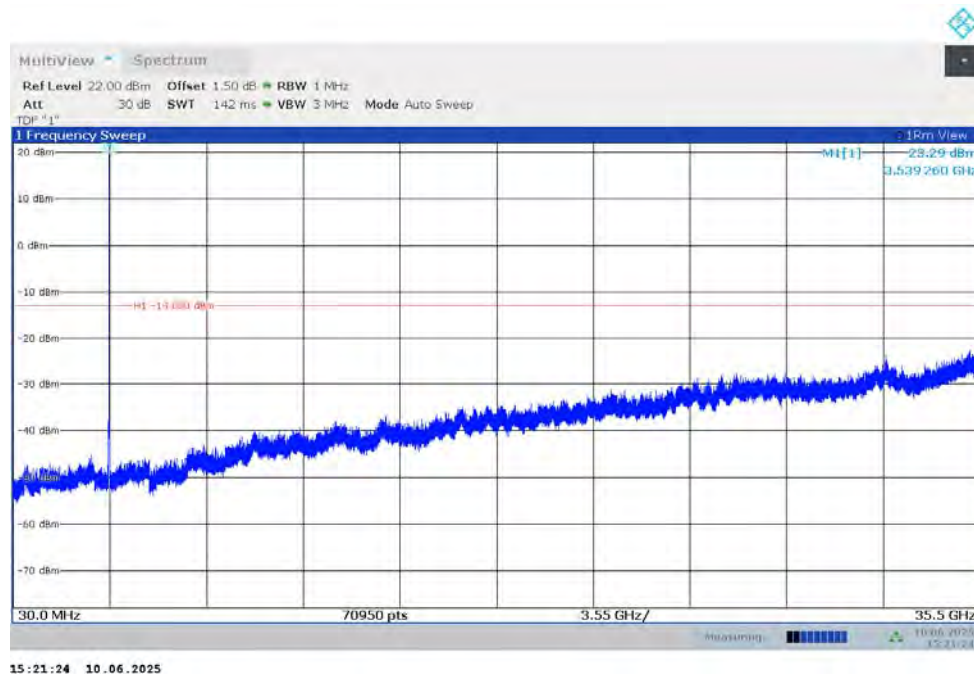
n66

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



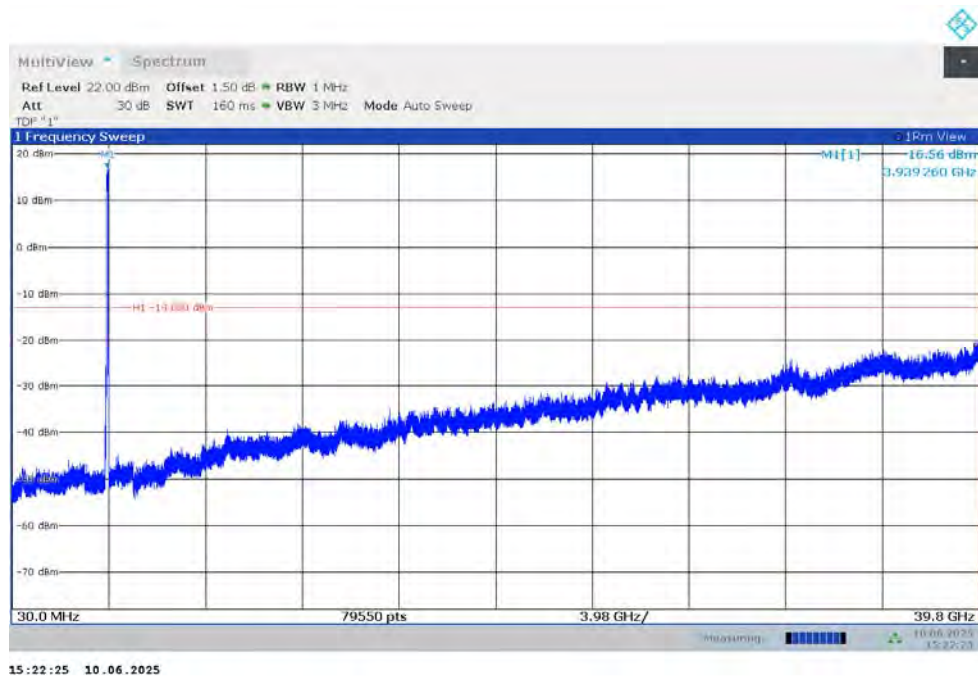
n77L

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

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

Measurement results

n2,40MHz

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
1880	5.08	5.63	6.28	6.48	6.48	8.31	8.33	8.37	8.35

n5,25MHz

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	4.79	5.62	6.24	6.53	6.52	8.02	8.03	8.02	8.37

n14,10MHz

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
793	4.60	5.72	6.60	6.78	6.62	8.39	8.40	8.39	8.46

n30,10MHz

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
2310	4.61	5.76	6.40	6.68	6.55	8.37	8.36	8.51	8.31

n66,45MHz

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	4.81	5.53	6.21	6.49	6.49	8.05	7.95	8.18	8.30

n77L,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
3500.01	5.24	5.79	6.60	6.55	6.60	8.68	8.34	8.61	8.54

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	5.19	6.02	6.54	6.73	6.79	8.28	8.32	8.46	8.30

Annex B: Accreditation Certificate



END OF REPORT