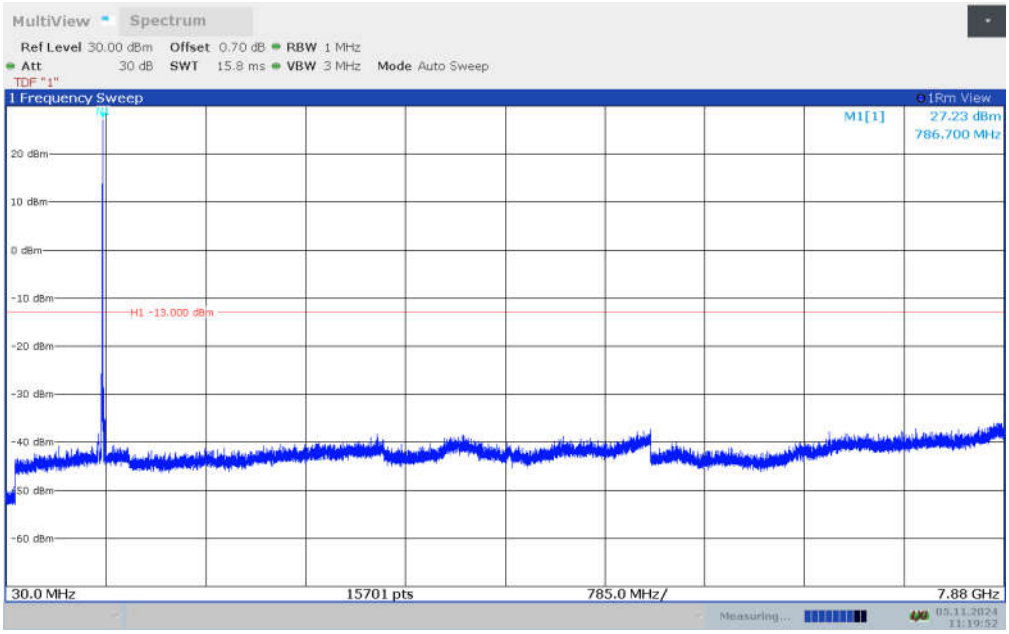
LTE band 13: 30MHz – 7.87GHz

Spurious emission limit –13dBm.

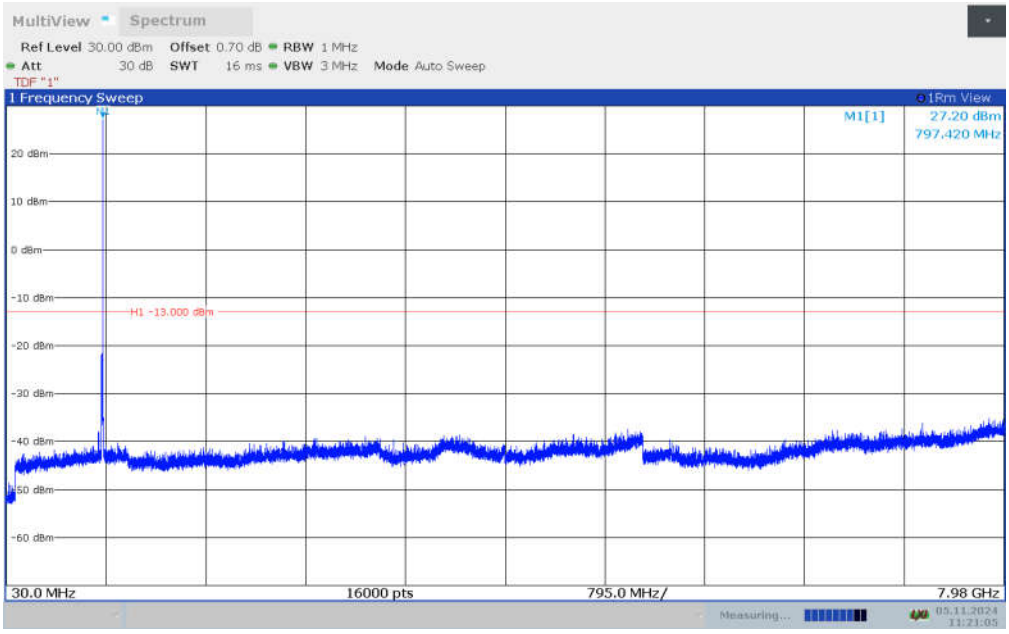
NOTE: peak above the limit line is the carrier frequency.



LTE band 14: 30MHz – 7.98GHz

Spurious emission limit –13dBm.

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



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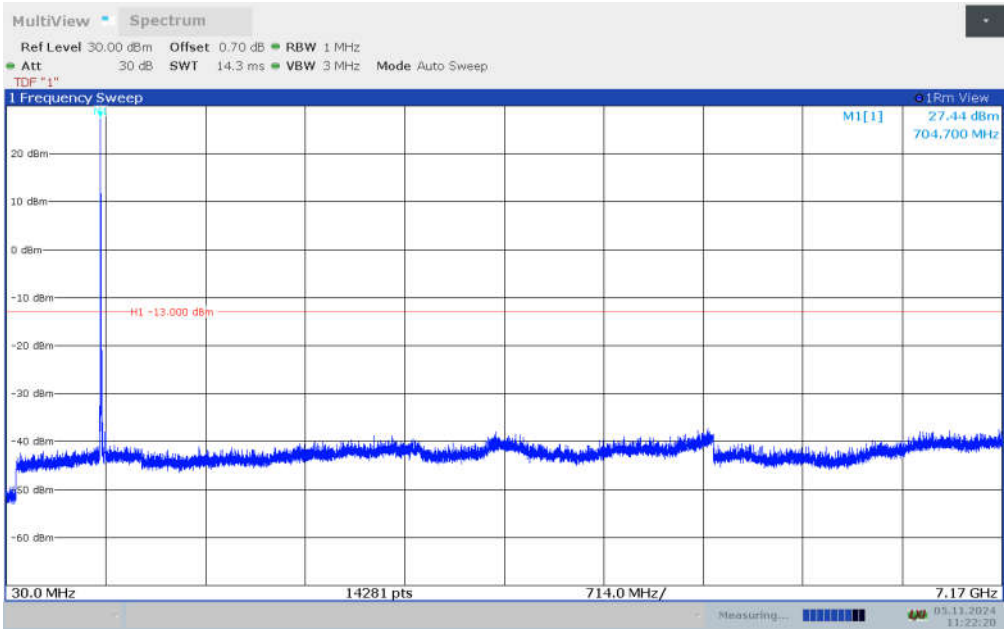
LTE band 17: 30MHz – 7.17GHz

Spurious emission limit –13dBm.

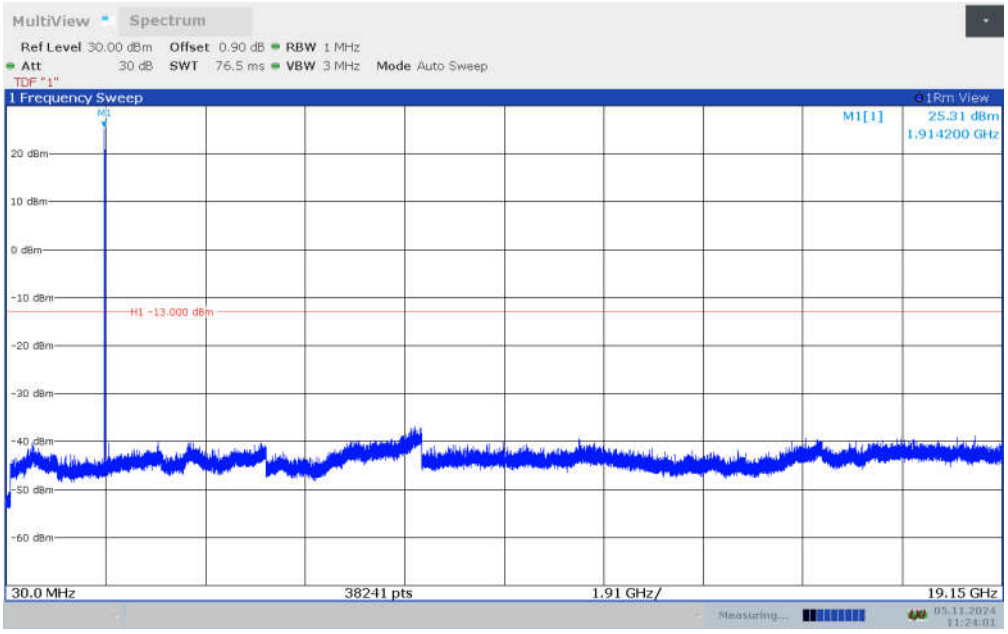
NOTE: peak above the limit line is the carrier frequency.



LTE band 25: 30MHz – 19.15GHz

Spurious emission limit –13dBm.

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



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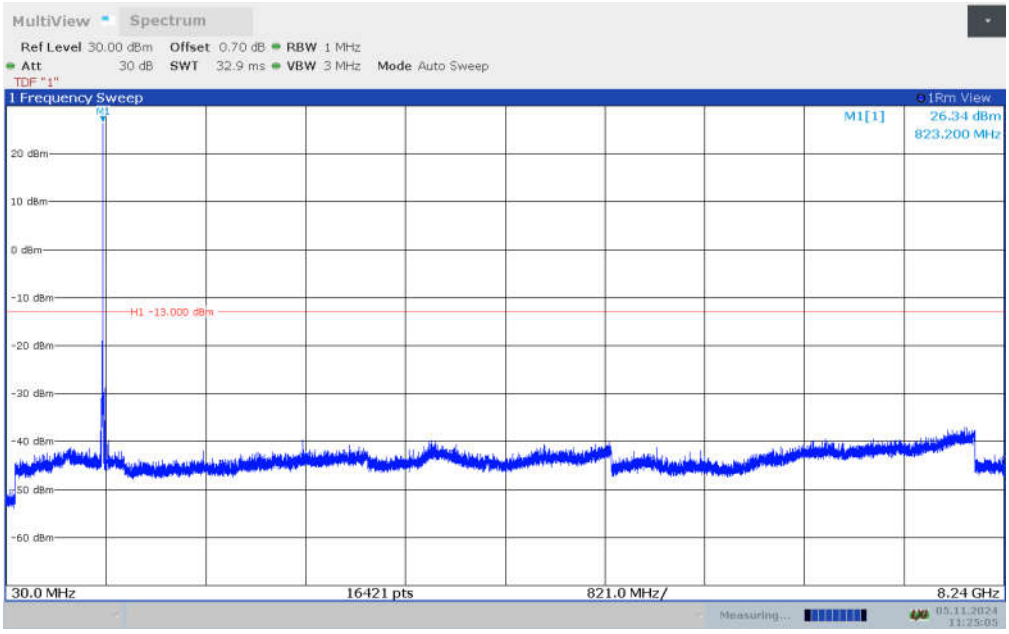
LTE band 26(814MHz-824MHz): 30MHz – 8.24GHz

Spurious emission limit –13dBm.

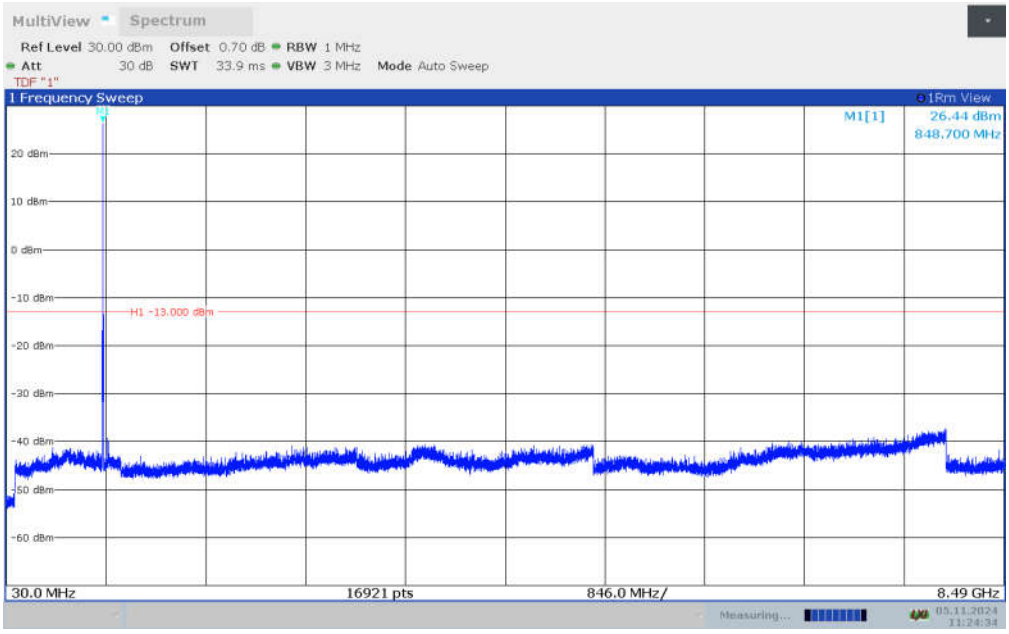
NOTE: peak above the limit line is the carrier frequency.



LTE band 26(824MHz-849MHz): 30MHz – 8.49GHz

Spurious emission limit –13dBm.

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



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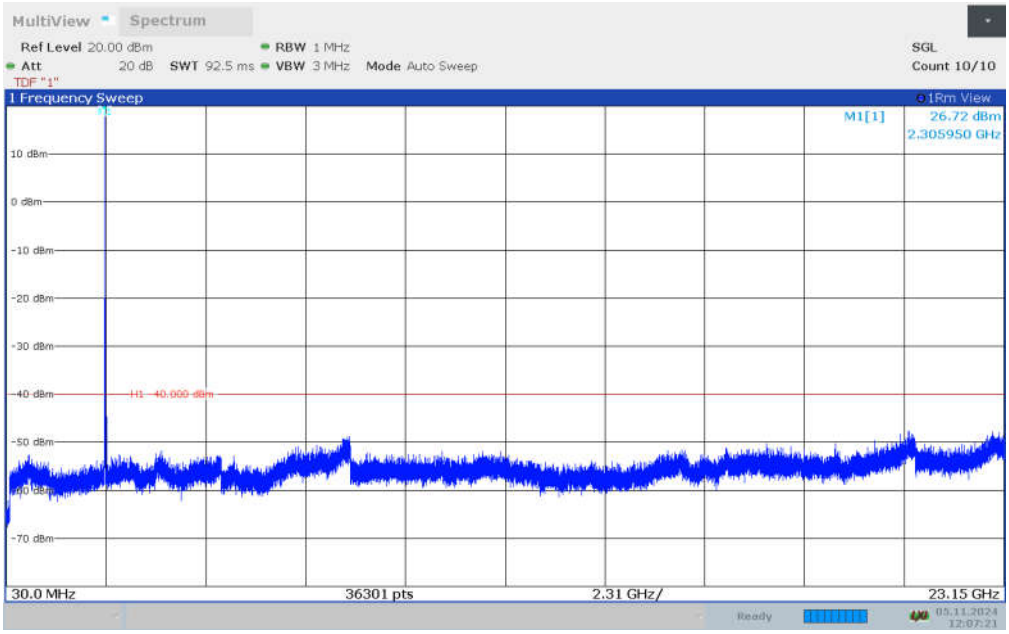
LTE band 30: 30MHz – 23.15GHz

Spurious emission limit –40dBm.

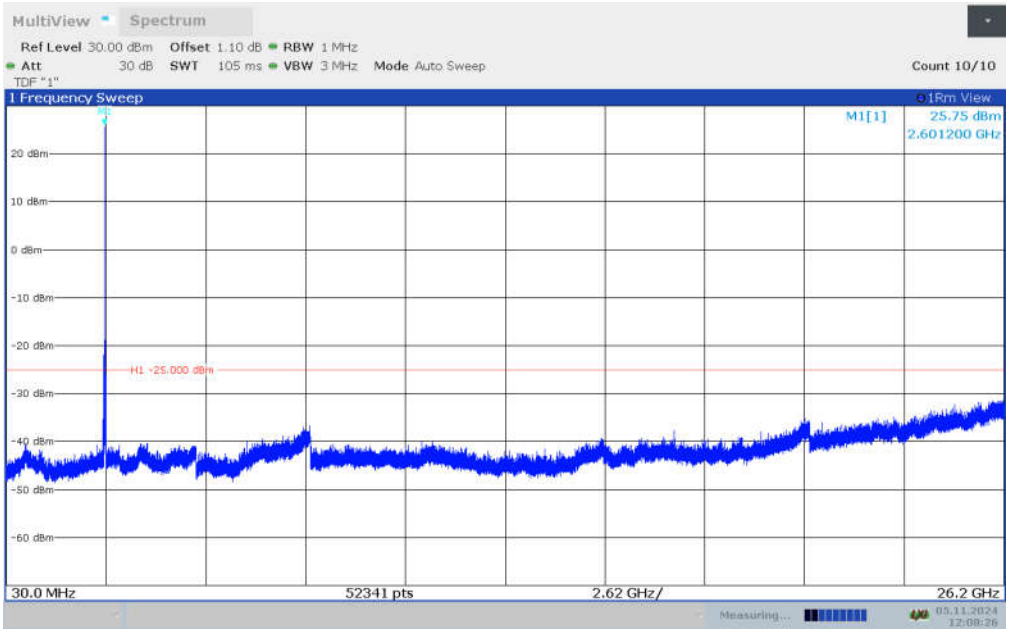
NOTE: peak above the limit line is the carrier frequency.



LTE band 38: 30MHz – 26.2GHz

Spurious emission limit –25dBm.

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



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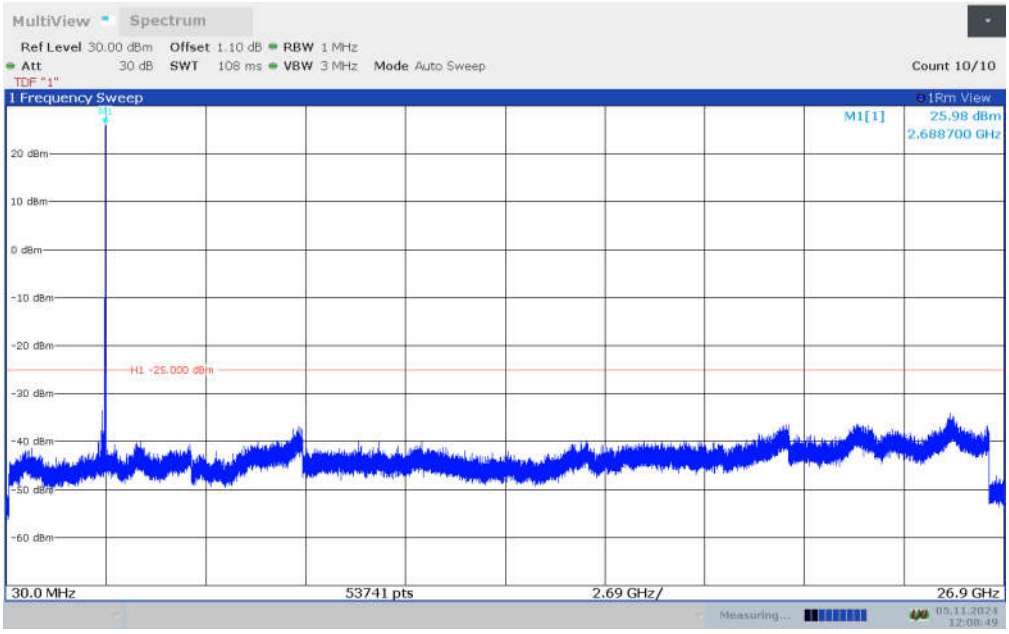
LTE band 41: 30MHz – 26.9GHz

Spurious emission limit –25dBm.

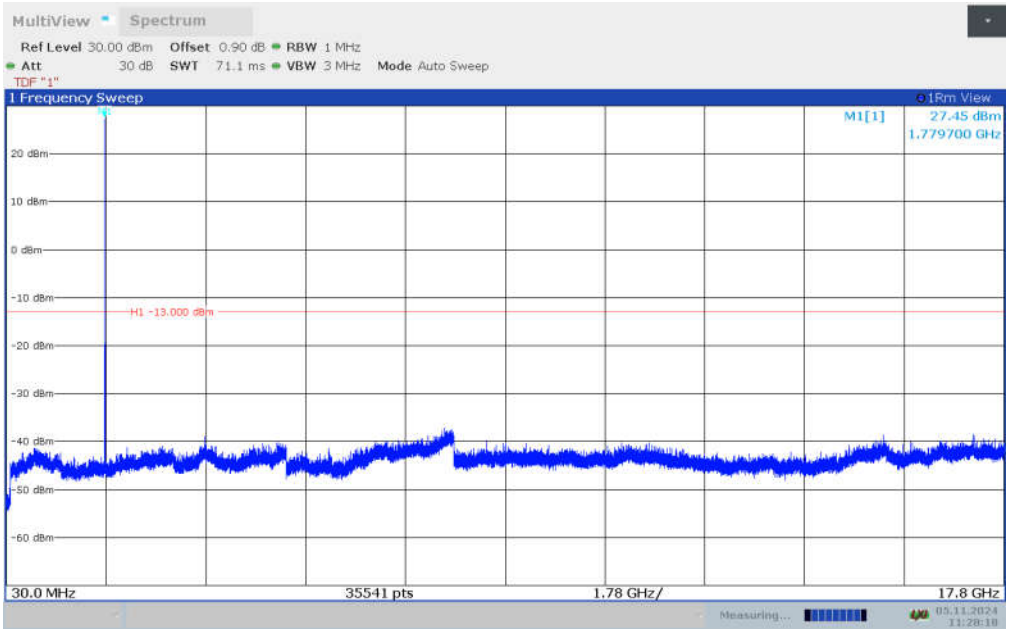
NOTE: peak above the limit line is the carrier frequency.



LTE Band 66: 30MHz – 17.8GHz

Spurious emission limit –13dBm.

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



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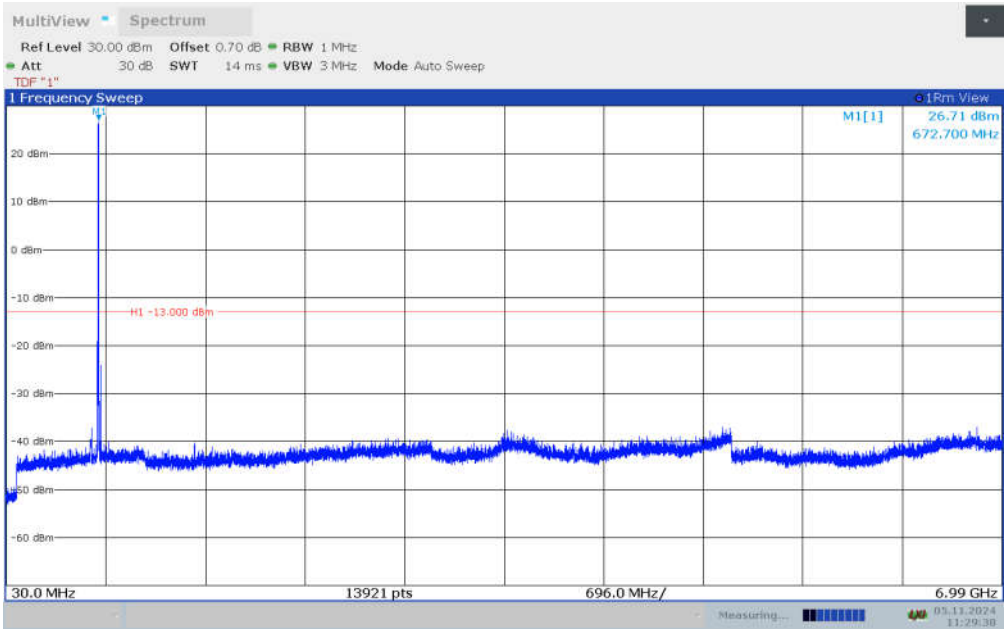
LTE Band 71: 30MHz – 6.99GHz

Spurious emission limit –13dBm.

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



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A.8 PEAK-TO-AVERAGE POWER RATIO

Reference

FCC: CFR Part 24.232, 27.50(d), KDB971168 D01(5.7).

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

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) Set the measurement interval to 1 ms

e)Record the maximum PAPR level associated with a probability of 0.1%

A.8.1 Measurement limit

not exceed 13 dB

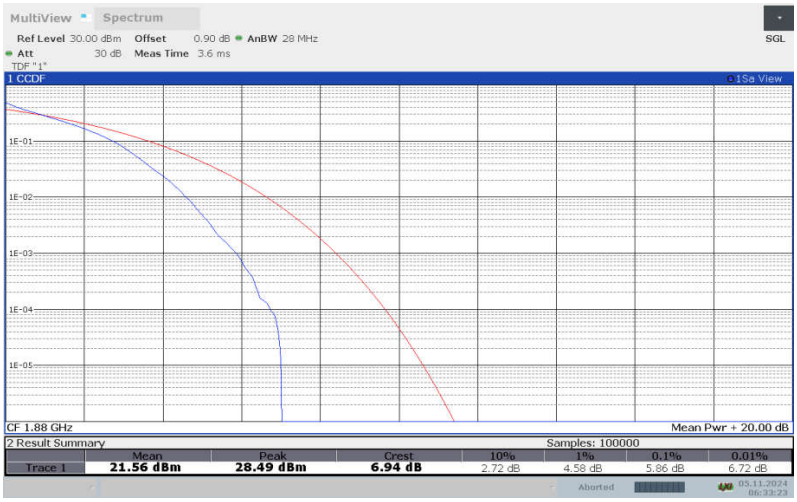
A.8.2 Measurement results

Only worst case result is given below

LTE band 2, 1.4MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1880	100%,0	5.86	6.52	6.84

LTE band 2 , 1.4MHz Bandwidth,QPSK



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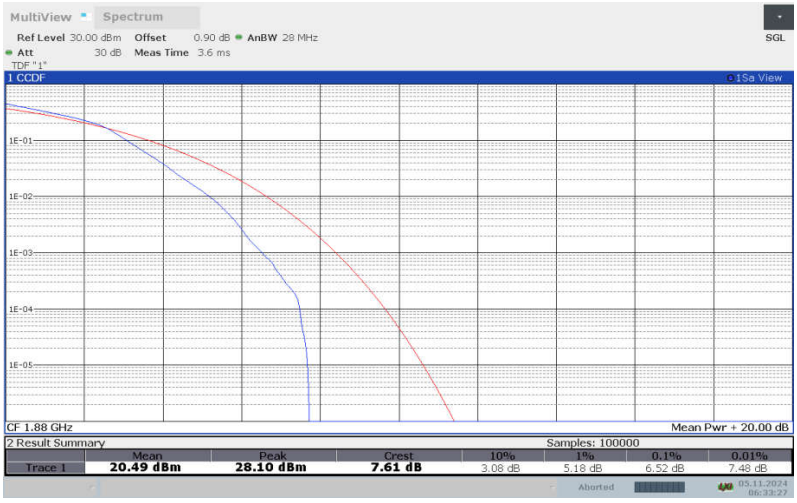
LTE band 2 , 1.4MHz Bandwidth,16QAM



LTE band 2 , 1.4MHz Bandwidth,64QAM

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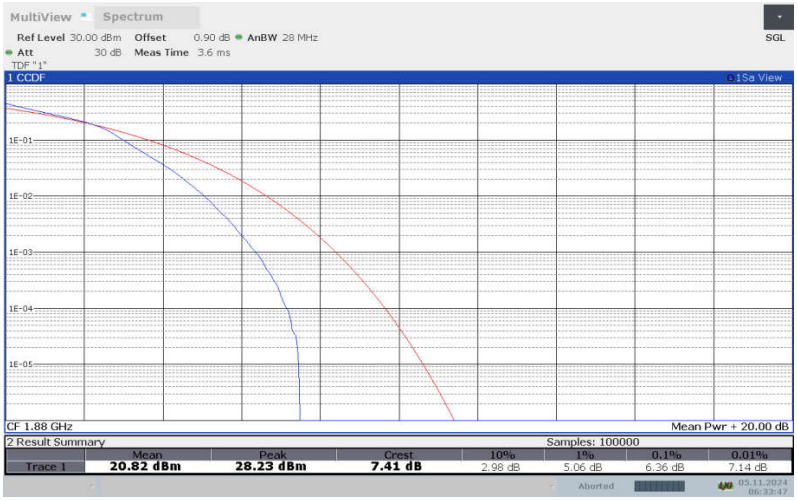
LTE Band 2, 3MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1880	100%,0	5.82	6.36	6.72

LTE band 2 , 3MHz Bandwidth,QPSK

LTE band 2 , 3MHz Bandwidth,16QAM



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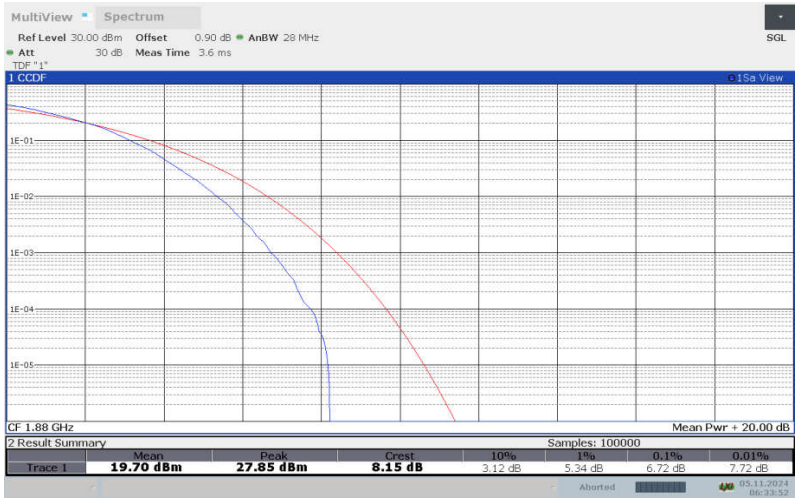
LTE band 2 , 3MHz Bandwidth,64QAM



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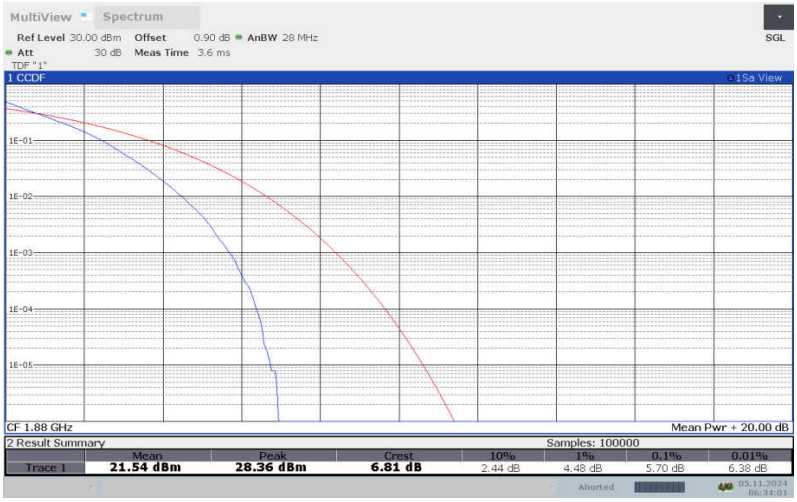
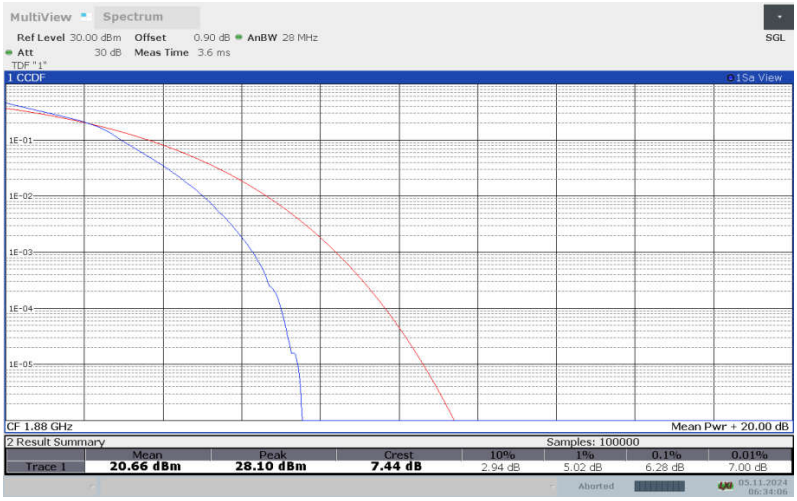
LTE Band 2, 5MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1880	100%,0	5.70	6.28	6.52

LTE band 2 , 5MHz Bandwidth,QPSK



LTE band 2 , 5MHz Bandwidth,16QAM



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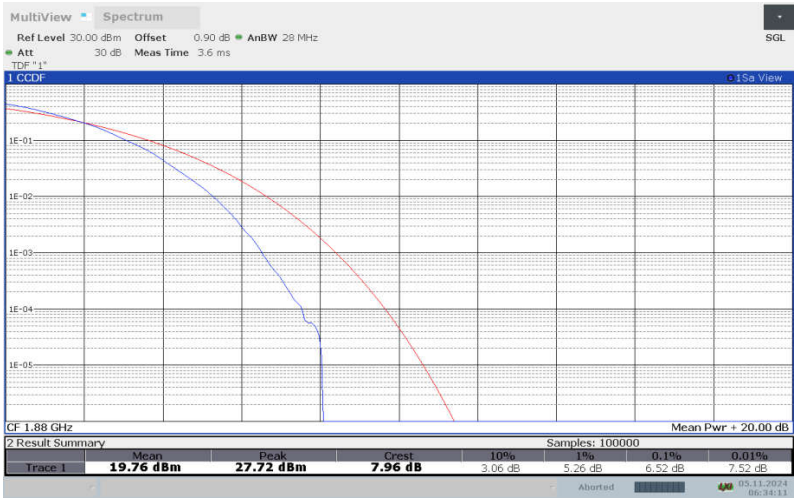
LTE band 2 , 5MHz Bandwidth,64QAM



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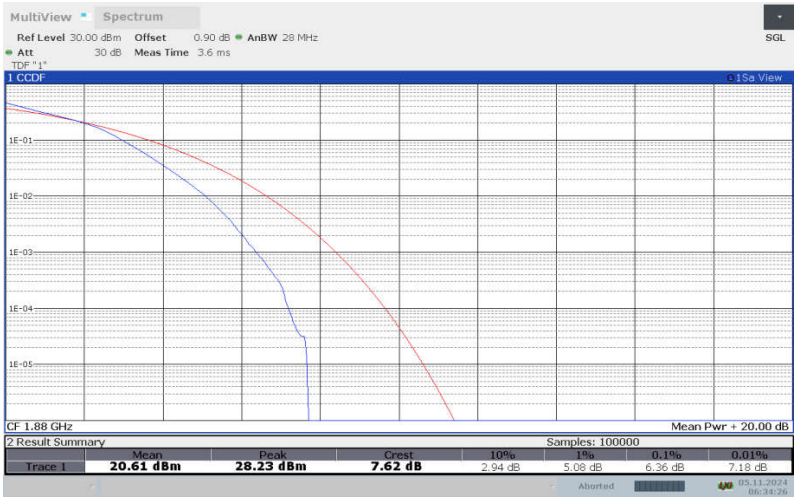
LTE Band 2, 10MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1880	100%,0	5.54	6.36	6.58

LTE band 2 , 10MHz Bandwidth,QPSK

LTE band 2 , 10MHz Bandwidth,16QAM



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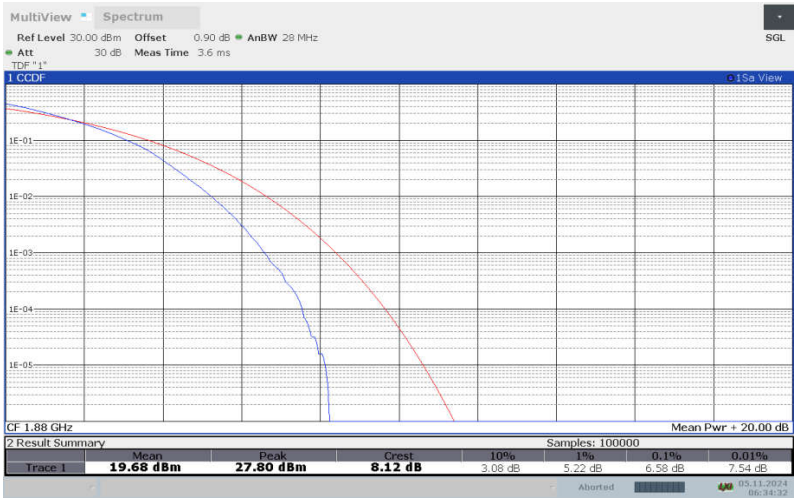
LTE band 2 , 10MHz Bandwidth,64QAM



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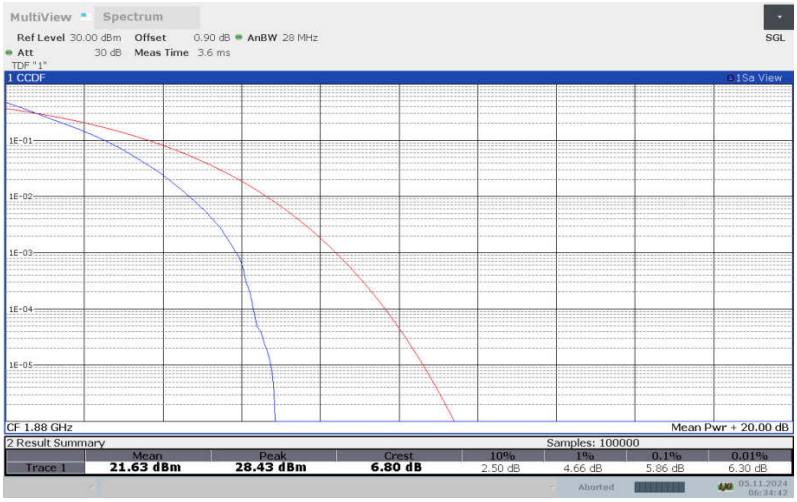
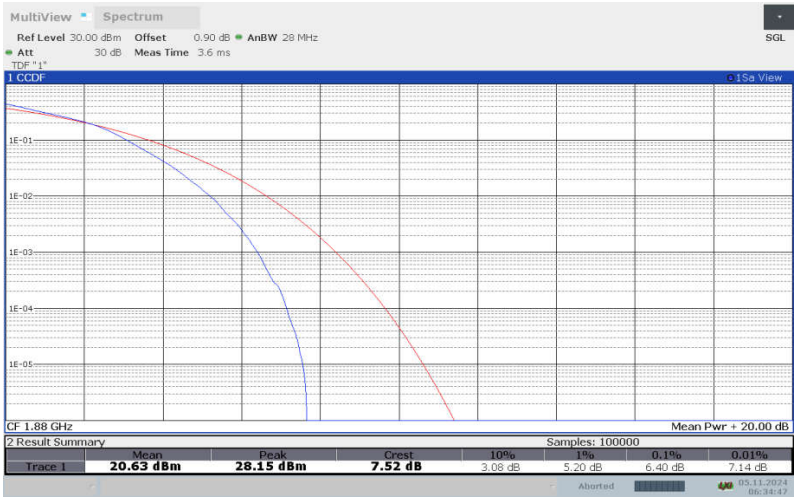
LTE Band 2, 15MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1880	100%,0	5.86	6.40	6.52

LTE band 2 , 15MHz Bandwidth,QPSK



LTE band 2 , 15MHz Bandwidth,16QAM



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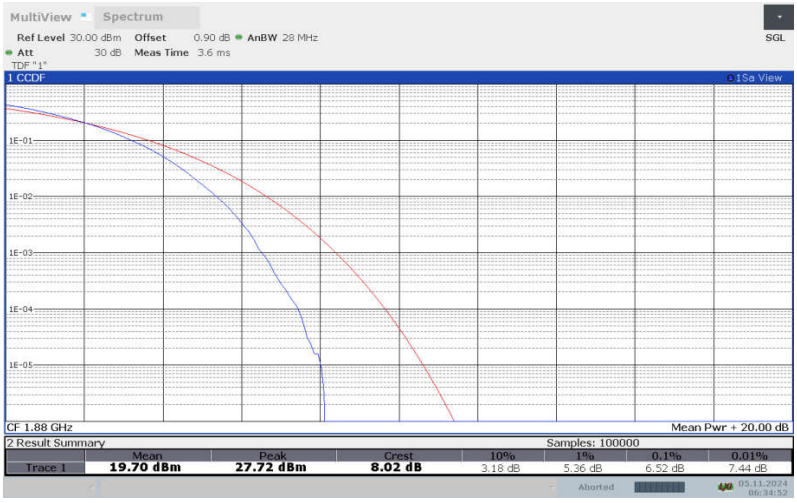
LTE band 2 , 15MHz Bandwidth,64QAM



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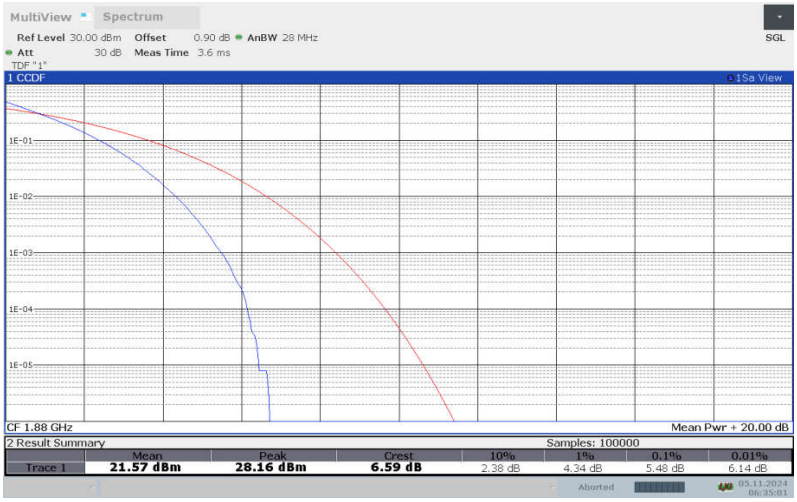
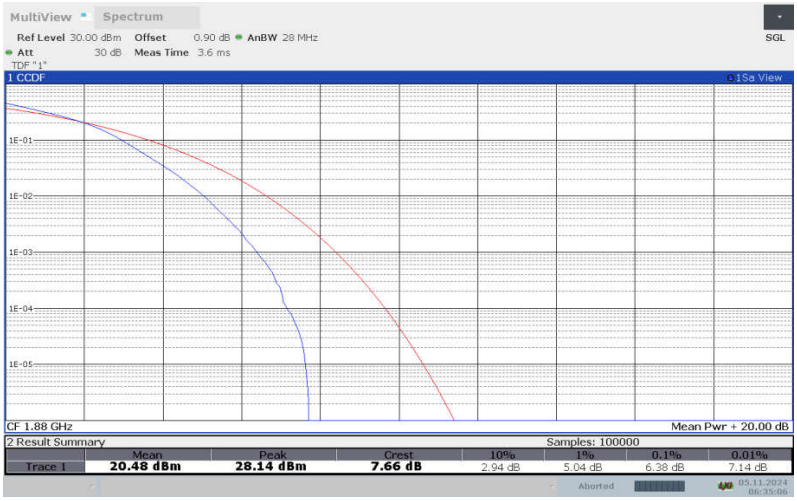
LTE Band 2, 20MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1880	100%,0	5.48	6.38	6.62

LTE band 2 , 20MHz Bandwidth,QPSK



LTE band 2 , 20MHz Bandwidth,16QAM



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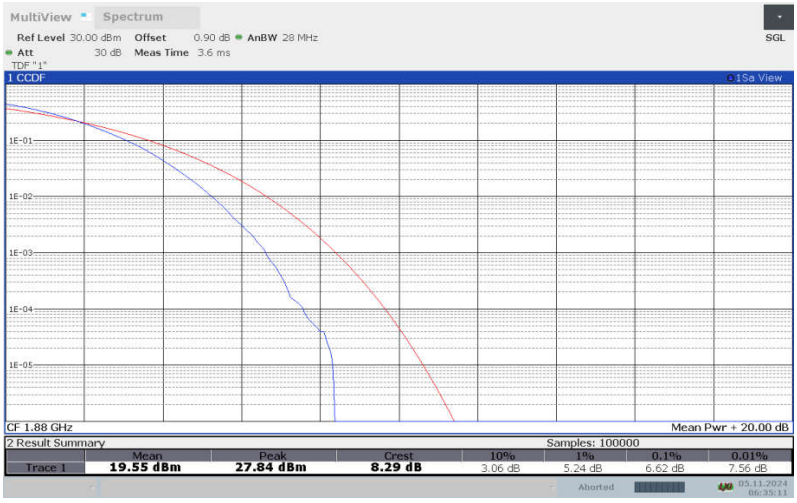
LTE band 2 , 20MHz Bandwidth,64QAM



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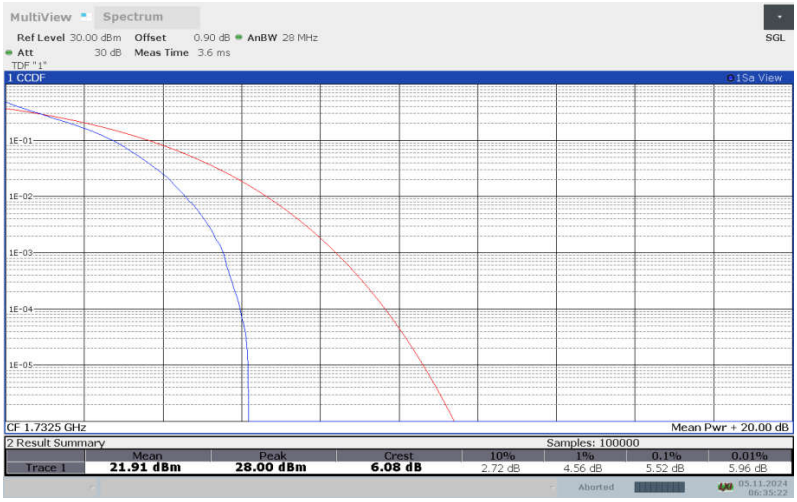
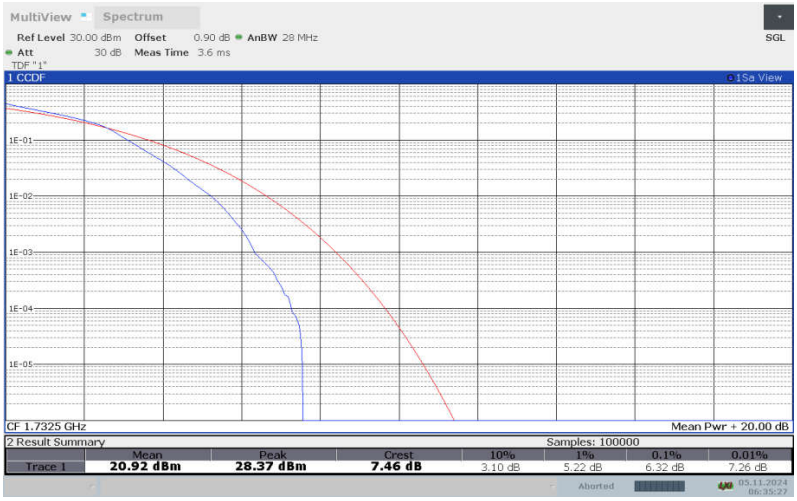
LTE Band 4, 1.4MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1732.5	100%,0	5.52	6.32	6.68

LTE band 4 , 1.4MHz Bandwidth,QPSK



LTE band 4 , 1.4MHz Bandwidth,16QAM



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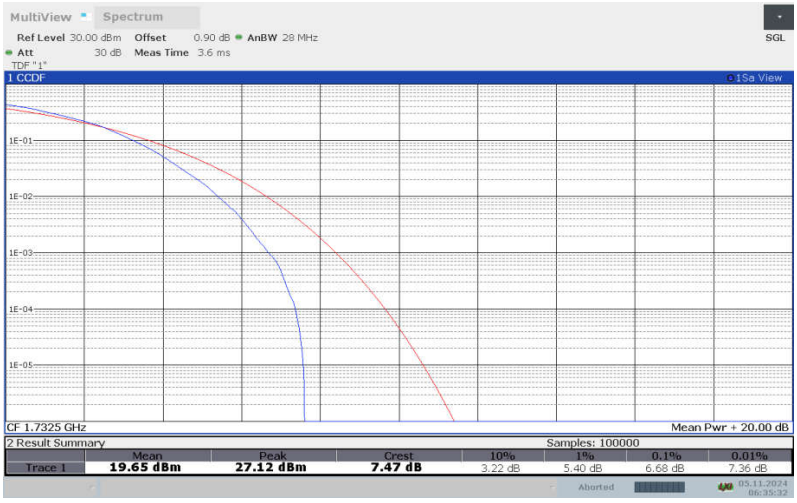
LTE band 4 , 1.4MHz Bandwidth,64QAM



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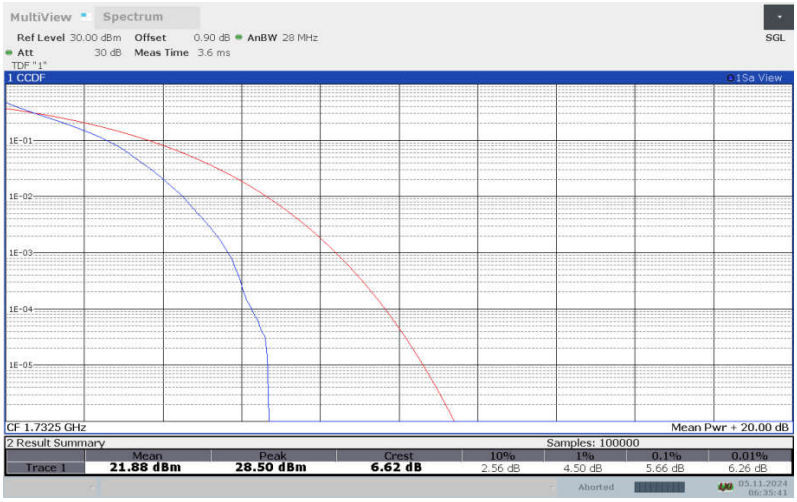
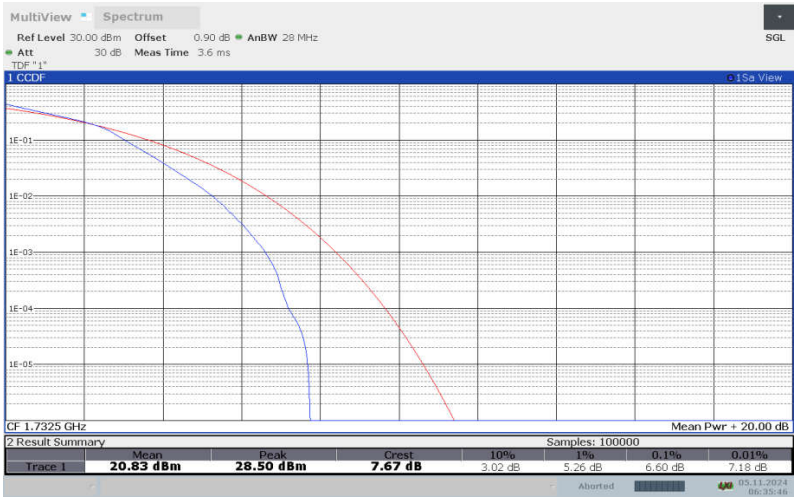
LTE Band 4, 3MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1732.5	100%,0	5.66	6.60	6.86

LTE band 4 , 3MHz Bandwidth,QPSK



LTE band 4 , 3MHz Bandwidth,16QAM



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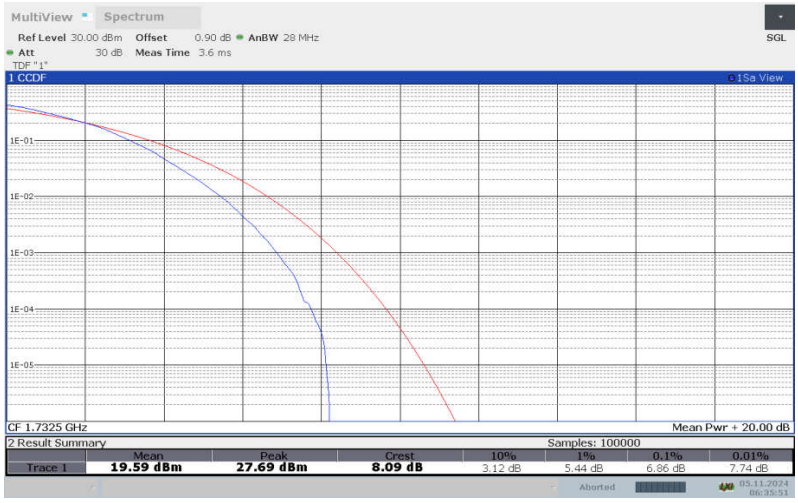
LTE band 4 , 3MHz Bandwidth,64QAM



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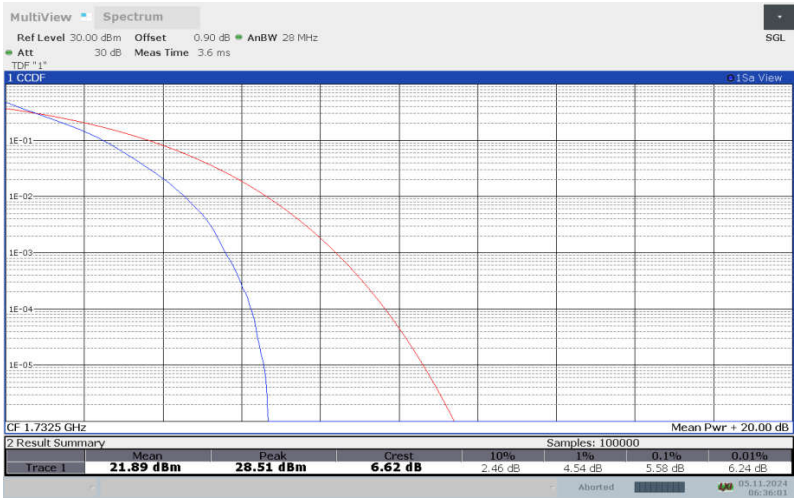
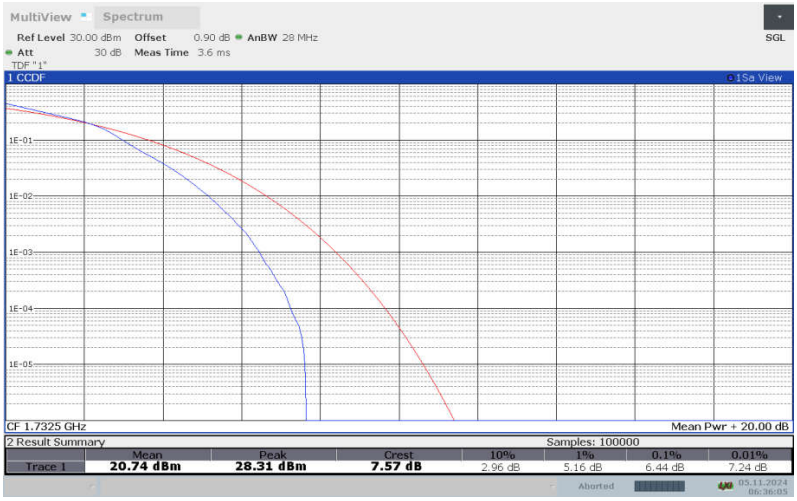
LTE Band 4, 5MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1732.5	100%,0	5.58	6.44	6.72

LTE band 4 , 5MHz Bandwidth,QPSK



LTE band 4 , 5MHz Bandwidth,16QAM



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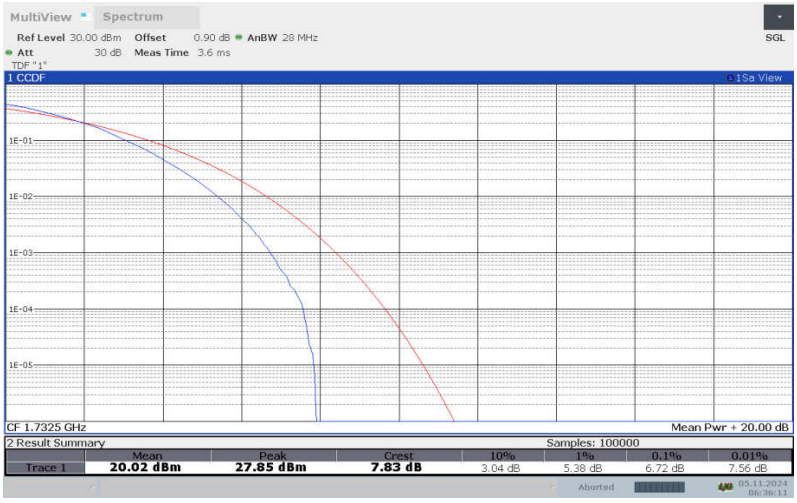
LTE band 4 , 5MHz Bandwidth,64QAM



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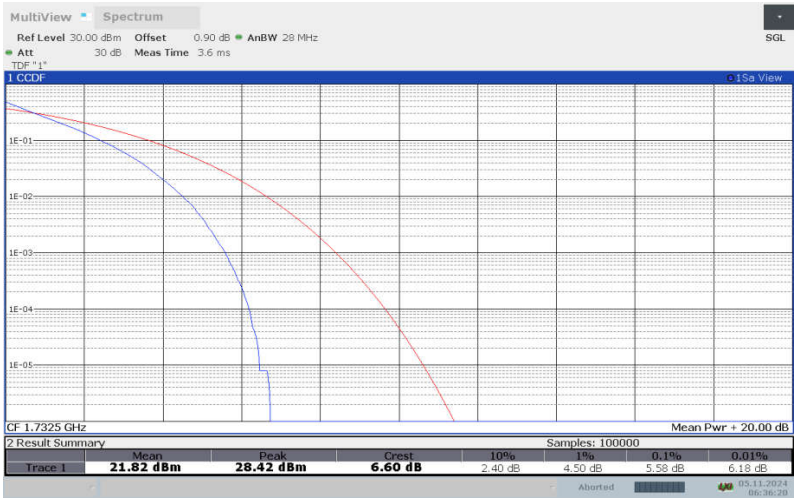
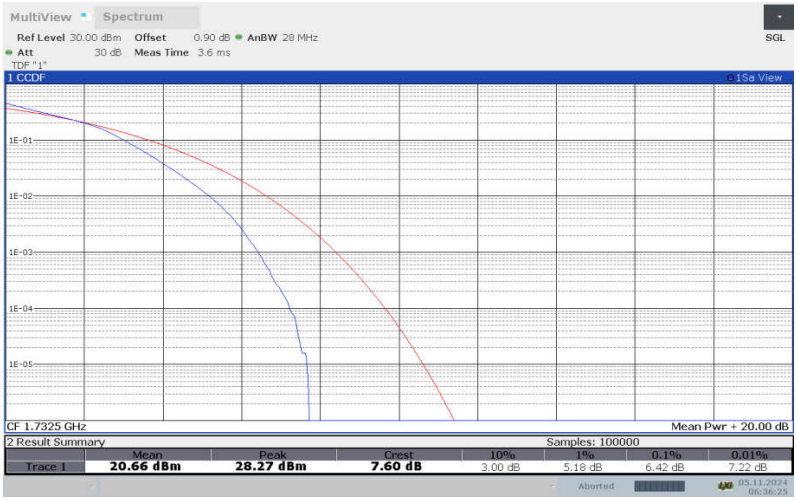
LTE Band 4, 10MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1732.5	100%,0	5.58	6.42	6.64

LTE band 4 , 10MHz Bandwidth,QPSK



LTE band 4 , 10MHz Bandwidth,16QAM



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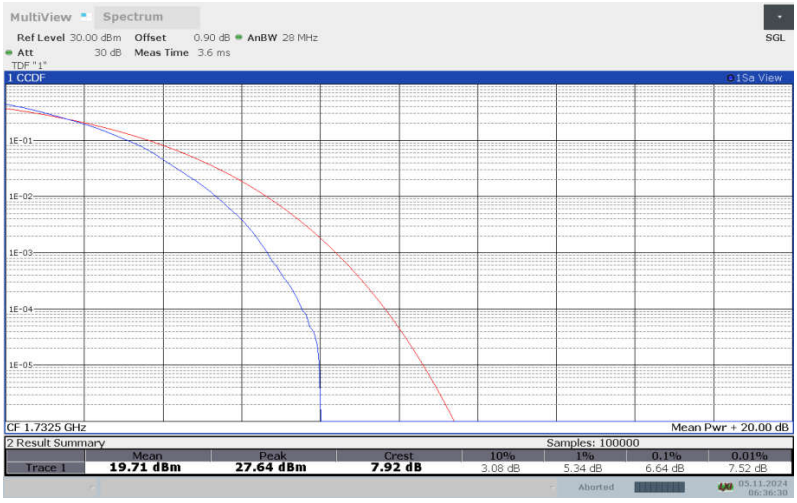
LTE band 4 , 10MHz Bandwidth,64QAM



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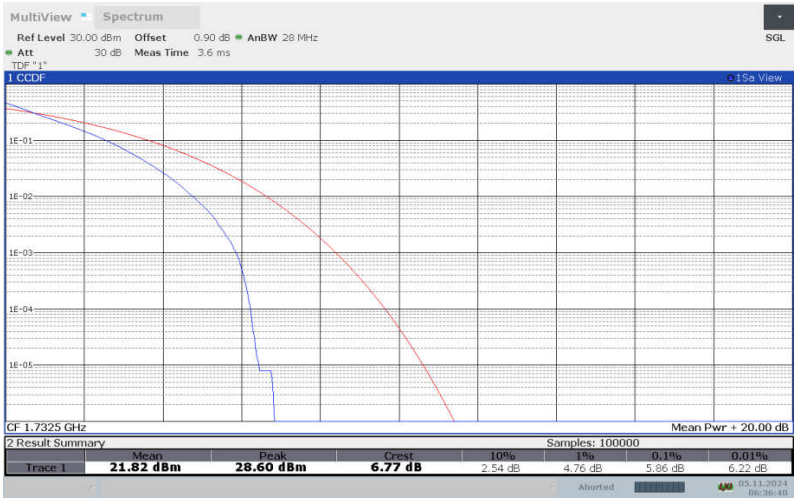
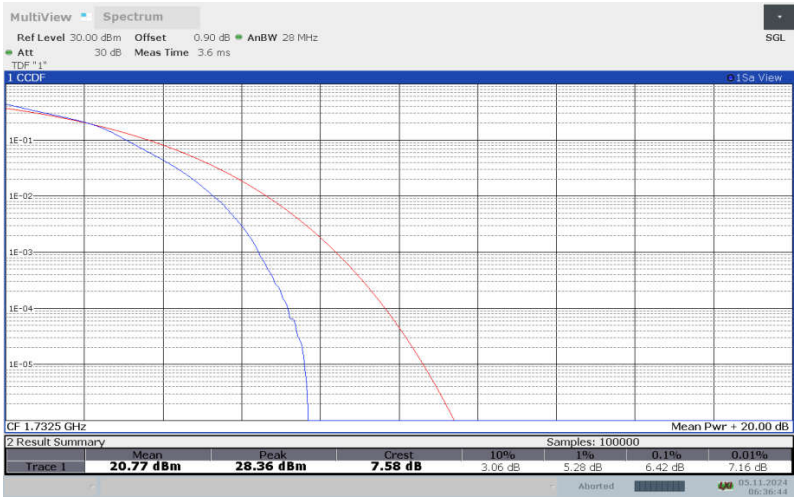
LTE Band 4, 15MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1732.5	100%,0	5.86	6.42	6.68

LTE band 4 , 15MHz Bandwidth,QPSK



LTE band 4 , 15MHz Bandwidth,16QAM



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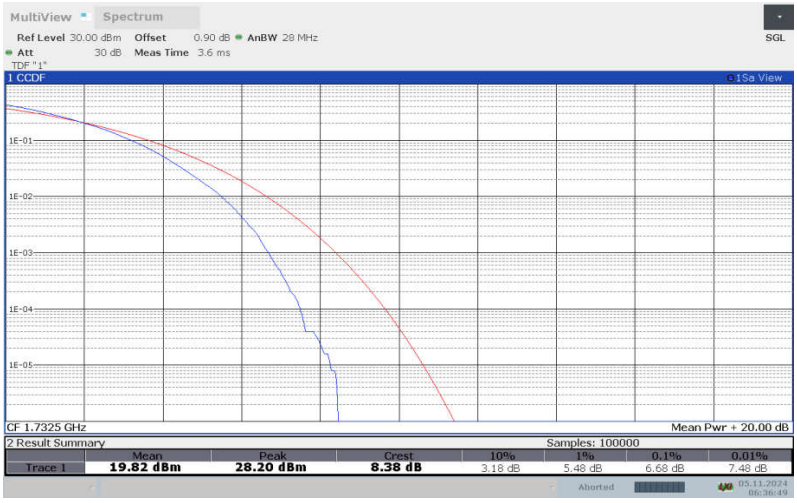
LTE band 4 , 15MHz Bandwidth,64QAM



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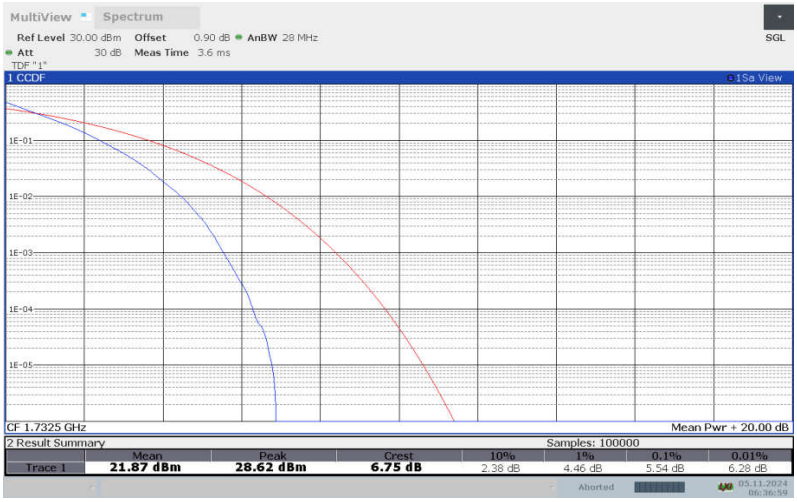
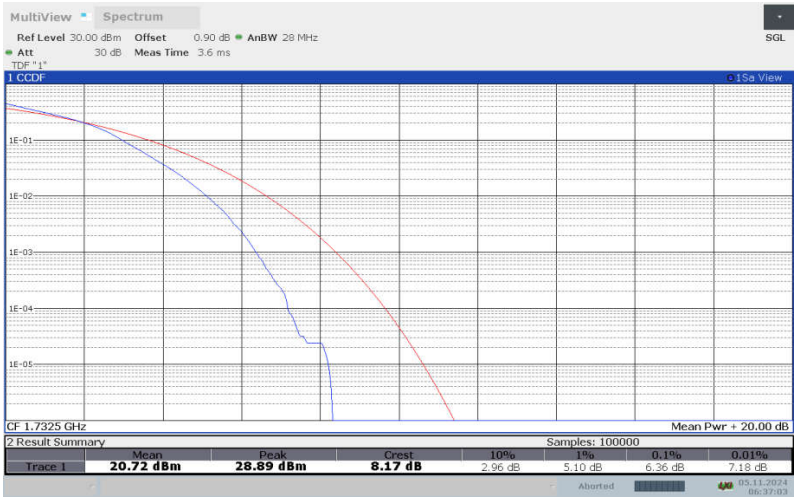
LTE Band 4, 20MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
1732.5	100%,0	5.54	6.36	6.74

LTE band 4 , 20MHz Bandwidth,QPSK



LTE band 4 , 20MHz Bandwidth,16QAM



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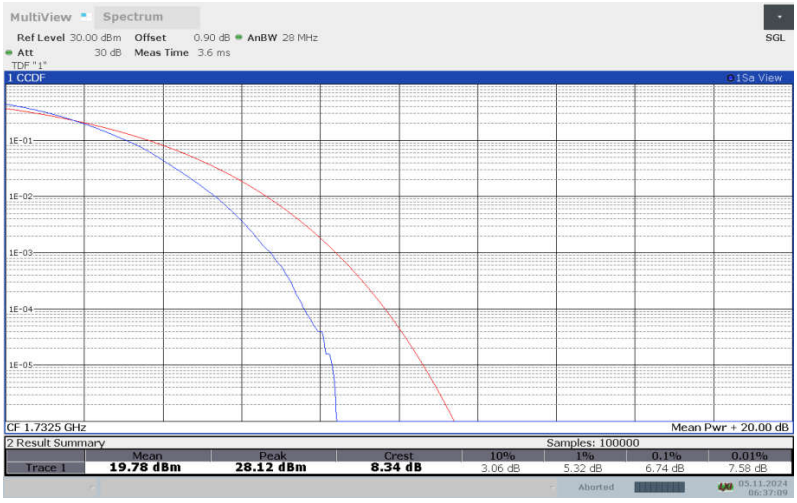
LTE band 4 , 20MHz Bandwidth,64QAM



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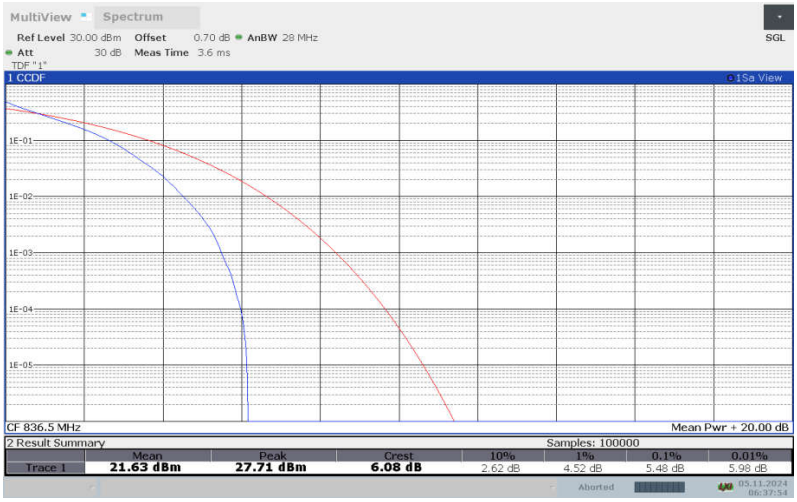
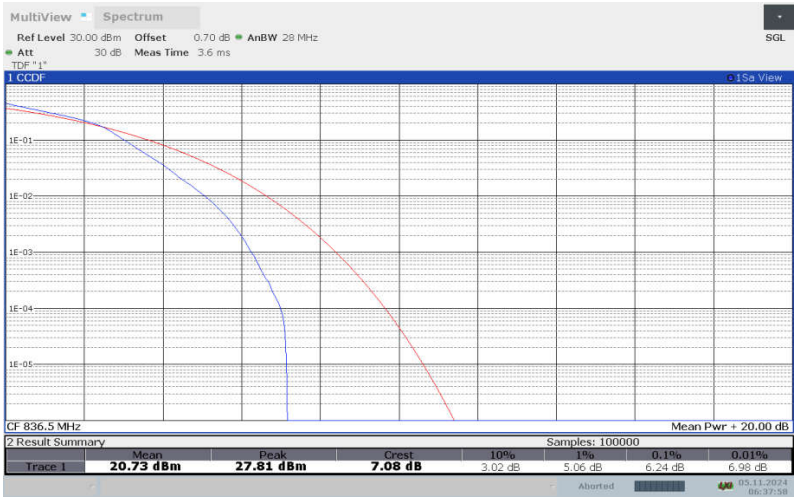
LTE Band 5, 1.4MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
836.5	100%,0	5.48	6.24	6.86

LTE band 5 , 1.4MHz Bandwidth,QPSK



LTE band 5 , 1.4MHz Bandwidth,16QAM



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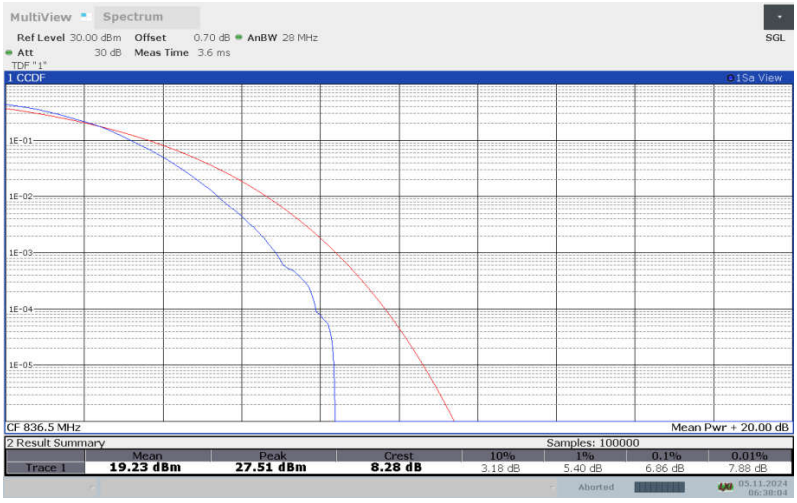
LTE band 5 , 1.4MHz Bandwidth,64QAM



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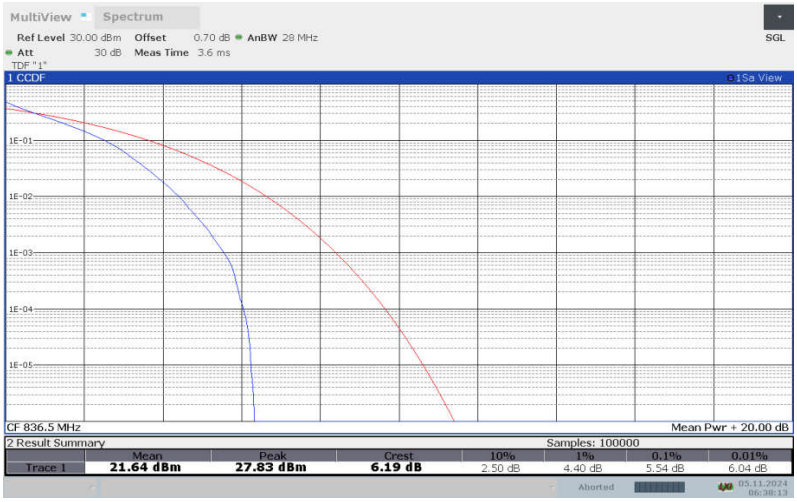
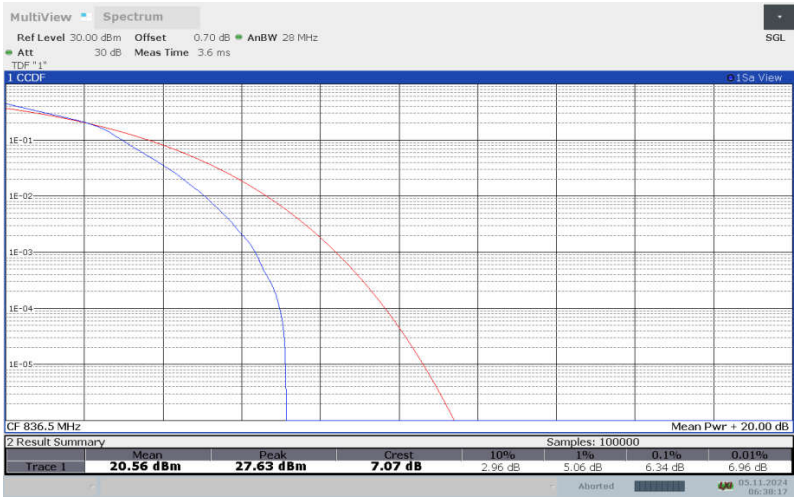
LTE Band 5, 3MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
836.5	100%,0	5.54	6.34	6.70

LTE band 5 , 3MHz Bandwidth,QPSK



LTE band 5 , 3MHz Bandwidth,16QAM



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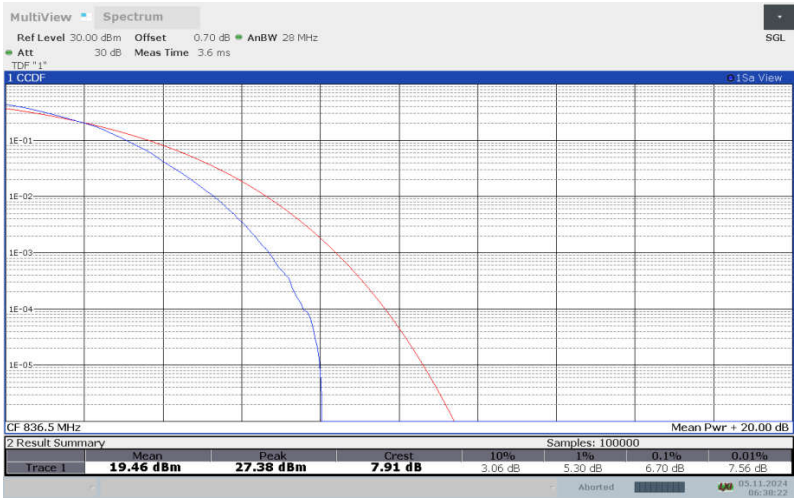
LTE band 5 , 3MHz Bandwidth,64QAM



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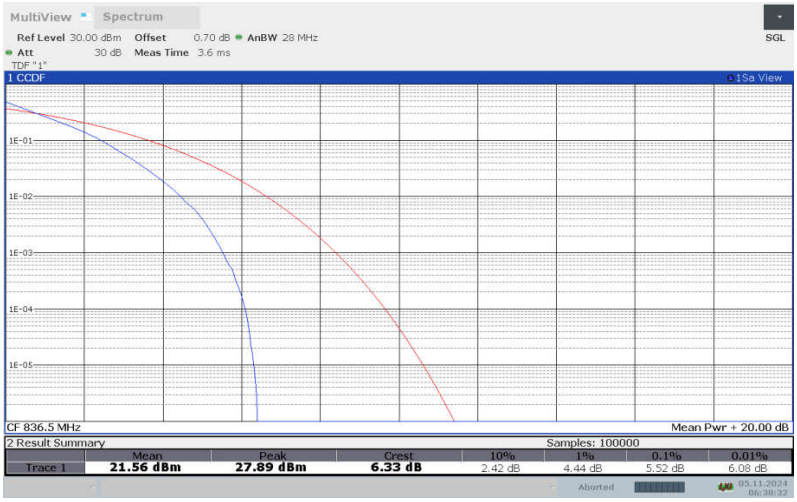
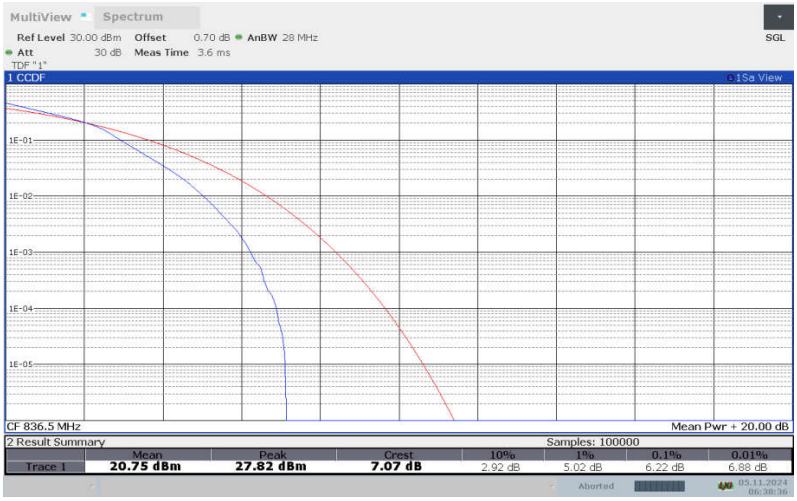
LTE Band 5, 5MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
836.5	100%,0	5.52	6.22	6.60

LTE band 5 , 5MHz Bandwidth,QPSK



LTE band 5 , 5MHz Bandwidth,16QAM



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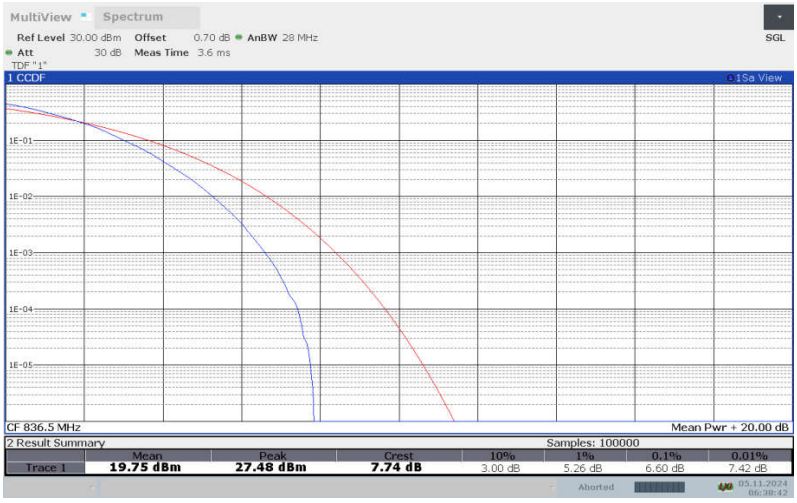
LTE band 5 , 5MHz Bandwidth,64QAM



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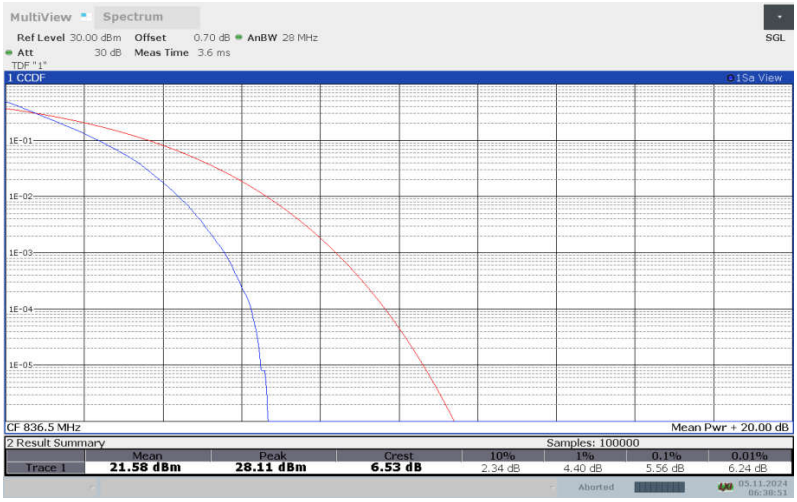
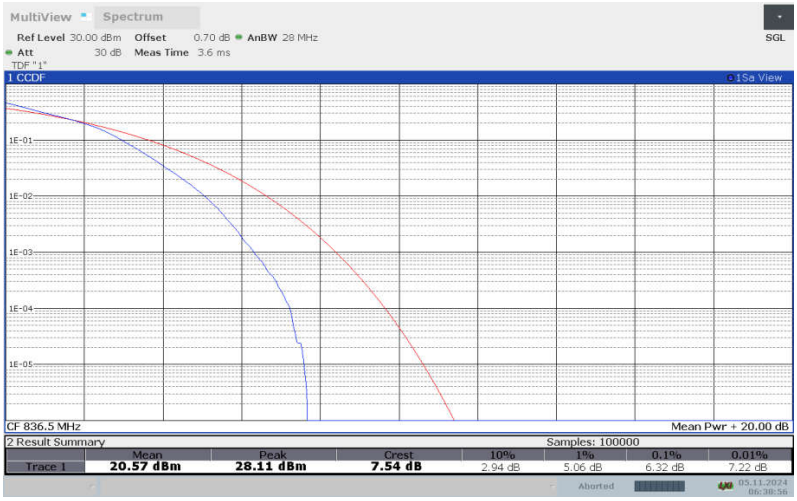
LTE Band 5, 10MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
836.5	100%,0	5.56	6.32	6.58

LTE band 5 , 10MHz Bandwidth,QPSK



LTE band 5 , 10MHz Bandwidth,16QAM



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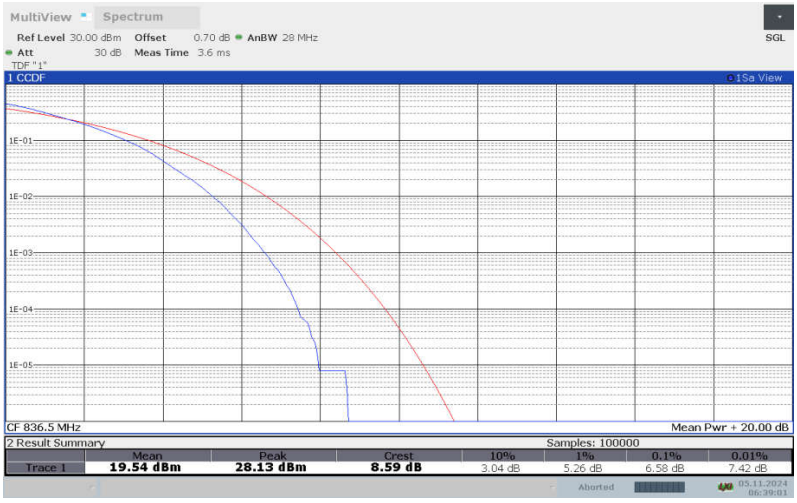
LTE band 5 , 10MHz Bandwidth,64QAM



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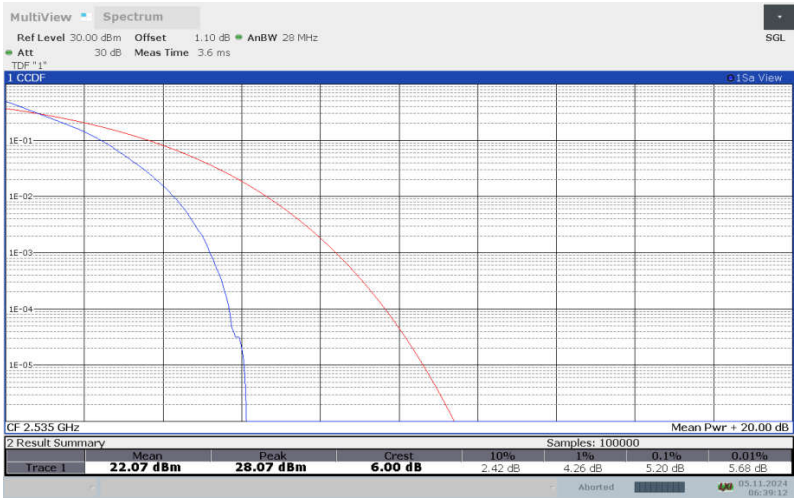
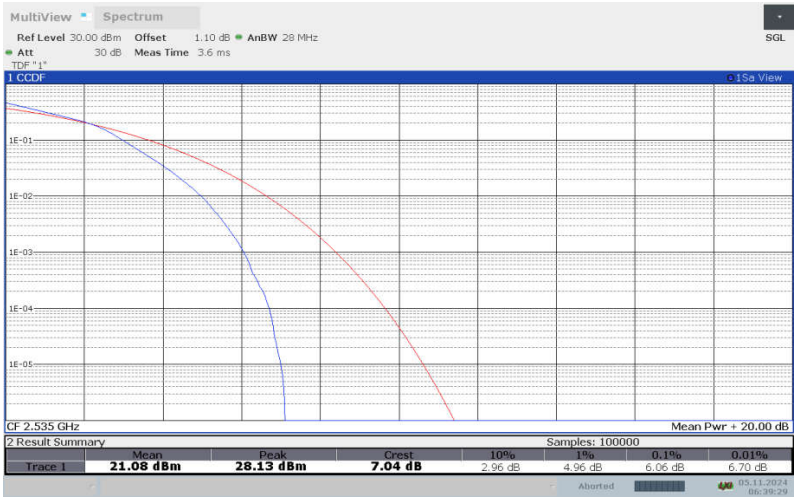
LTE Band 7, 5MHz

Frequency (MHz)	RB	PAPR (dB)		
		QPSK	16QAM	64QAM
2535	100%,0	5.20	6.06	6.36

LTE band 7 , 5MHz Bandwidth,QPSK



LTE band 7 , 5MHz Bandwidth,16QAM



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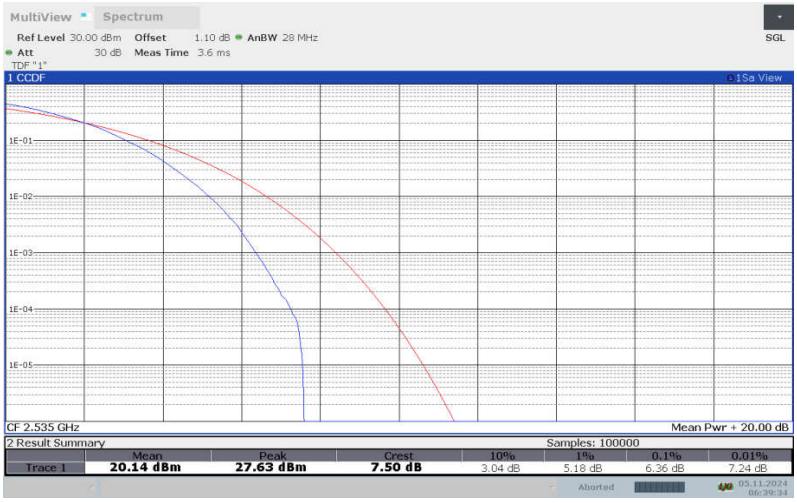
LTE band 7 , 5MHz Bandwidth,64QAM



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